

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053927.D
 Acq On : 25 Feb 2019 13:57
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:17 AM

Quant Time: Feb 28 04:21:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	709134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1113985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	483967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1163805	140.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.00%	
35) Dibromofluoromethane	7.59	113	1042030	144.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.30%	
50) Toluene-d8	10.09	98	4007744	149.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.90%	
62) 4-Bromofluorobenzene	12.40	95	1388178	155.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	920939	141.111	ug/l	99
3) Chloromethane	2.06	50	1319630	145.774	ug/l	99
4) Vinyl Chloride	2.18	62	1312823	144.740	ug/l	100
5) Bromomethane	2.55	94	814118	135.528	ug/l	100
6) Chloroethane	2.70	64	773713	137.160	ug/l	99
7) Trichlorofluoromethane	3.02	101	1615930	139.456	ug/l	99
8) Diethyl Ether	3.41	74	642483	147.994	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1009861	137.990	ug/l	95
10) Methyl Iodide	3.95	142	1566438	162.895	ug/l	99
11) Tert butyl alcohol	4.78	59	387017	734.418	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1000451	142.917	ug/l	95
13) Acrolein	3.60	56	360336	660.447	ug/l	99
14) Allyl chloride	4.32	41	1874727	152.692	ug/l	97
15) Acrylonitrile	4.98	53	2073648	746.616	ug/l	99
16) Acetone	3.81	43	1565166	642.083	ug/l	97
17) Carbon Disulfide	4.05	76	3232917	143.158	ug/l	99
18) Methyl Acetate	4.32	43	833493	143.396	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2868724	152.764	ug/l	98
20) Methylene Chloride	4.55	84	1148676	139.618	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	1092033	144.133	ug/l	93
22) Diisopropyl ether	5.95	45	3734930	157.682	ug/l	97
23) Vinyl Acetate	5.89	43	13699411	803.975	ug/l	96
24) 1,1-Dichloroethane	5.85	63	2083858	143.462	ug/l	99
25) 2-Butanone	6.83	43	2419989	741.429	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1528773	148.140	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1237074	146.814	ug/l	95
28) Bromochloromethane	7.19	49	947777	142.550	ug/l	84
29) Tetrahydrofuran	7.21	42	1610514	740.953	ug/l	93
30) Chloroform	7.37	83	1993620	141.545	ug/l	99
31) Cyclohexane	7.65	56	1988326	128.551	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1703833	146.714	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1598937	154.343	ug/l	97
37) Ethyl Acetate	6.93	43	1070694	144.744	ug/l	98
38) Carbon Tetrachloride	7.77	117	1508242	139.984	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1948218	156.026	ug/l	96
40) Benzene	8.04	78	4756459	149.455	ug/l	100
41) Methacrylonitrile	7.19	41	813213m	170.730	ug/l	
42) 1,2-Dichloroethane	8.12	62	1443840	146.538	ug/l	97
43) Isopropyl Acetate	8.16	43	1911530	153.050	ug/l #	90
44) Trichloroethene	8.83	130	1241382	147.131	ug/l	97
45) 1,2-Dichloropropane	9.12	63	1286435	149.824	ug/l	100
46) Dibromomethane	9.21	93	732277	146.901	ug/l	94
47) Bromodichloromethane	9.40	83	1578871	150.295	ug/l	99
48) Methyl methacrylate	9.20	41	966052	168.160	ug/l	93
49) 1,4-Dioxane	9.20	88	233259	2997.810	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	5172941	806.007	ug/l	97
52) Toluene	10.16	92	2877979	153.576	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1719695	168.243	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1944405	161.363	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	1034721	147.847	ug/l	98
56) Ethyl methacrylate	10.43	69	1420172	173.440	ug/l	91
57) 1,3-Dichloropropane	10.71	76	1793731	151.690	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	3380680	935.011	ug/l	96
59) 2-Hexanone	10.75	43	3450153	826.554	ug/l	95
60) Dibromochloromethane	10.90	129	1203885	154.782	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1045559	154.870	ug/l	99
64) Tetrachloroethene	10.63	164	1168566	135.888	ug/l	97
65) Chlorobenzene	11.43	112	3160335	147.453	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1156167	149.676	ug/l	100
67) Ethyl Benzene	11.51	91	5499708	153.065	ug/l	99
68) m/p-Xylenes	11.62	106	4156993	306.539	ug/l	96
69) o-Xylene	11.95	106	2031786	152.482	ug/l	98
70) Styrene	11.97	104	3338780	162.907	ug/l	99
71) Bromoform	12.13	173	845064	157.256	ug/l	99
73) Isopropylbenzene	12.25	105	5263463	139.712	ug/l	99
74) N-amyl acetate	12.07	43	1601257	162.167	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	1280032	135.871	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1073361m	138.254	ug/l	
77) Bromobenzene	12.53	156	1362455	142.442	ug/l	91
78) n-propylbenzene	12.59	91	6243427	145.722	ug/l	98
79) 2-Chlorotoluene	12.68	91	3645463	141.639	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	4484654	145.407	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	392009	159.588	ug/l	98
82) 4-Chlorotoluene	12.77	91	3740949	147.065	ug/l	97
83) tert-Butylbenzene	12.99	119	3905188	143.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	4538585	147.400	ug/l	99
85) sec-Butylbenzene	13.17	105	5291602	142.030	ug/l	99
86) p-Isopropyltoluene	13.29	119	4657477	147.874	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2431020	146.920	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2376978	148.070	ug/l	99
89) n-Butylbenzene	13.62	91	4217552	158.890	ug/l	99
90) Hexachloroethane	13.88	117	873146	143.060	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	2280519	142.379	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	188730	141.760	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1386136	182.307	ug/l	98
94) Hexachlorobutadiene	15.01	225	763950	132.037	ug/l	99
95) Naphthalene	15.13	128	3047742	193.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1316294	172.414	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

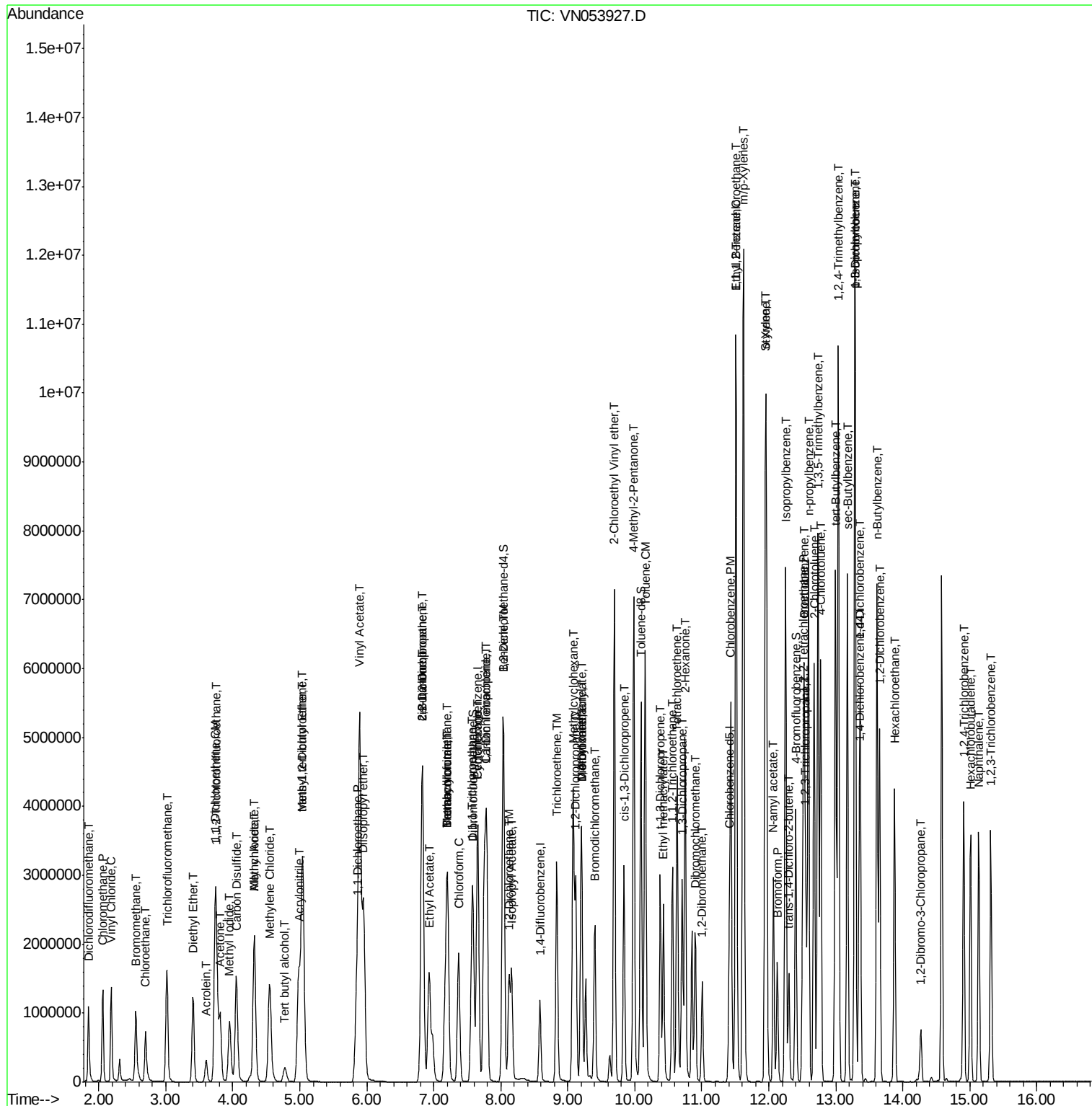
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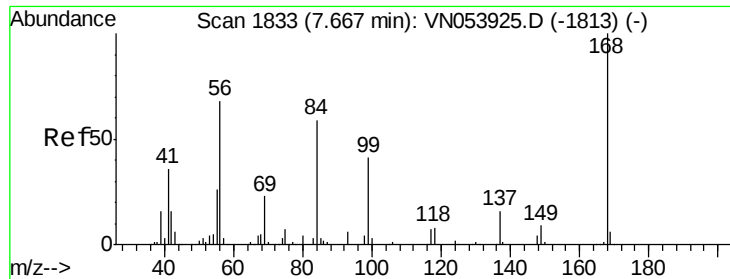
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 709134

Ion Ratio Lower Upper

168 100

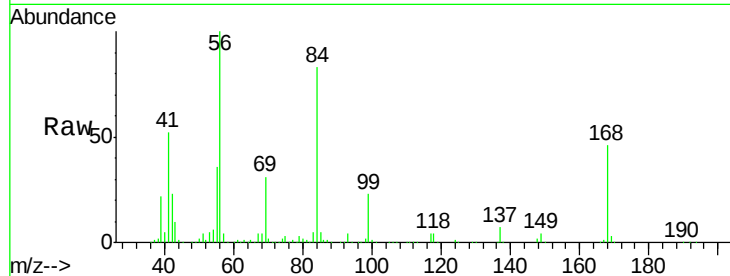
99 50.6 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

400000

300000

200000

100000

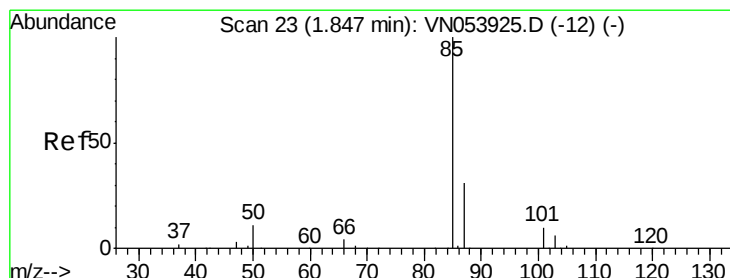
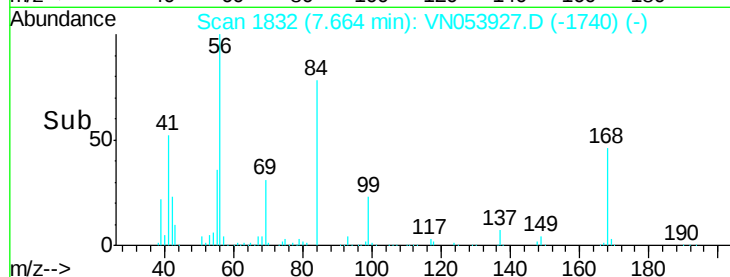
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 141.111 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053927.D

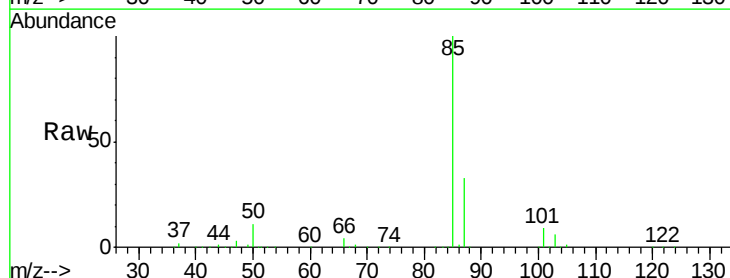
Acq: 25 Feb 2019 13:57

Tgt Ion: 85 Resp: 920939

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

400000

200000

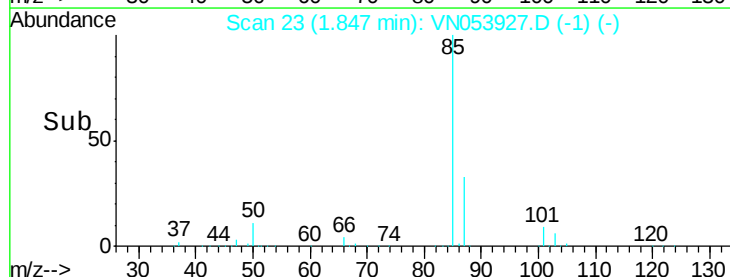
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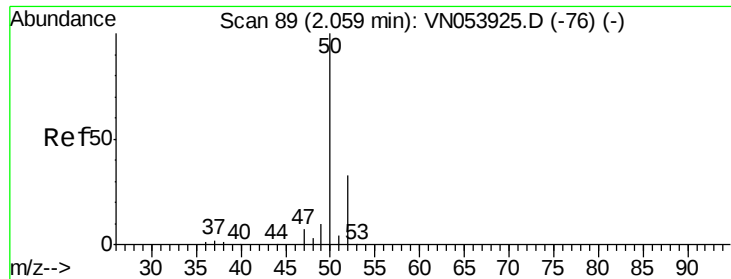
1.85

1.90

2.00

Time-->





#3

Chloromethane

Concen: 145.774 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1319630

Ion Ratio Lower Upper

50 100

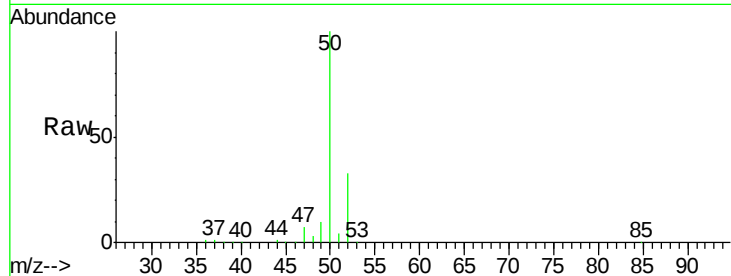
52 32.9 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

800000

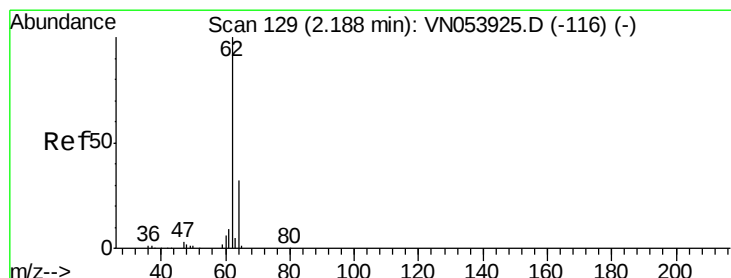
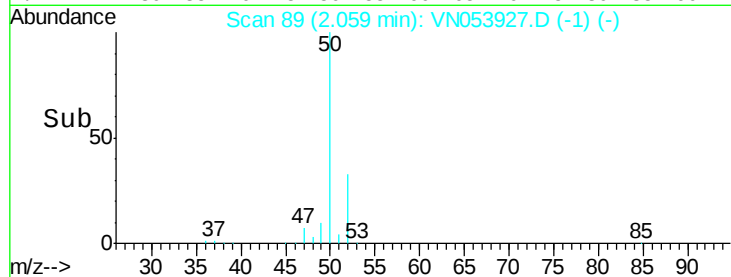
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 144.740 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053927.D

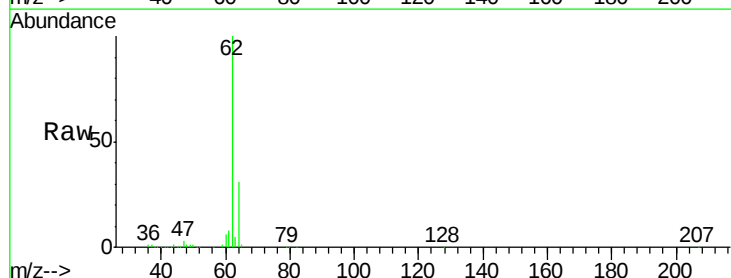
Acq: 25 Feb 2019 13:57

Tgt Ion: 62 Resp: 1312823

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

1000000

800000

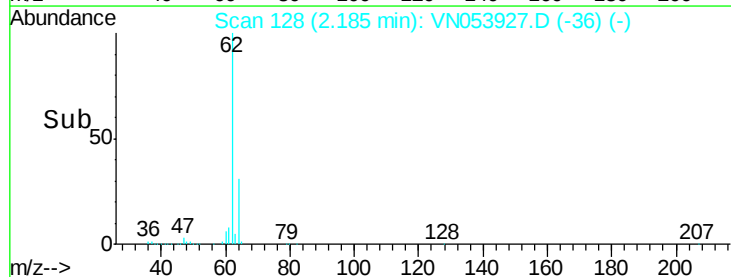
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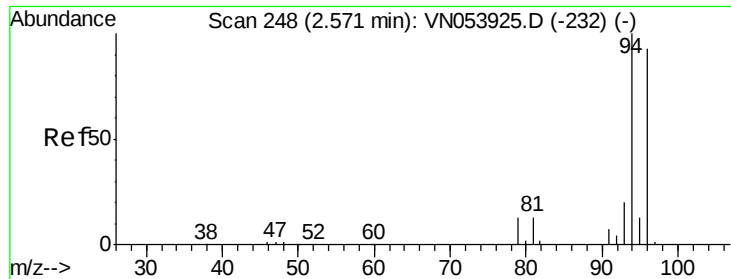
400000

200000

0

Time-->





#5

Bromomethane

Concen: 135.528 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 814118

Ion Ratio Lower Upper

94 100

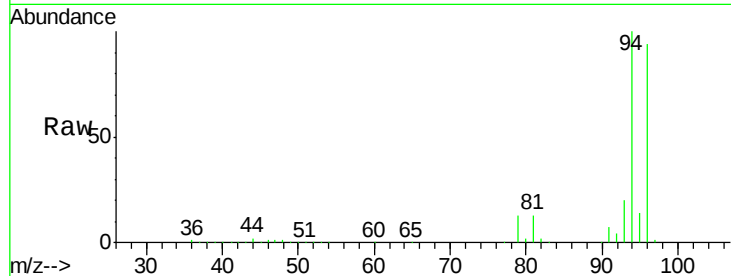
96 93.7 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

400000

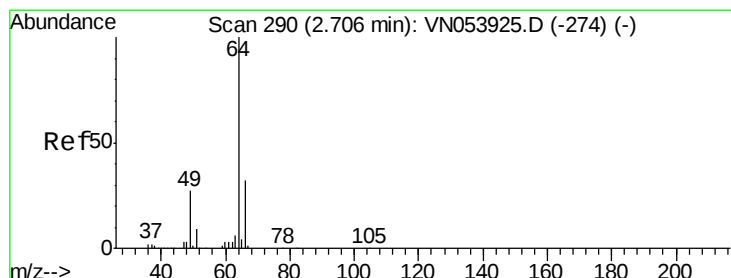
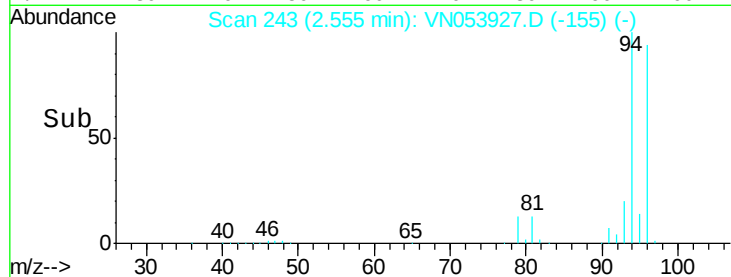
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 137.160 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053927.D

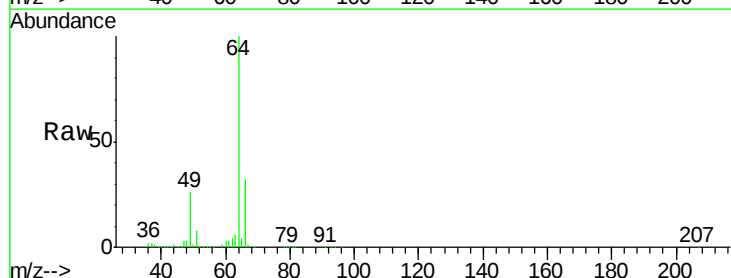
Acq: 25 Feb 2019 13:57

Tgt Ion: 64 Resp: 773713

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

400000

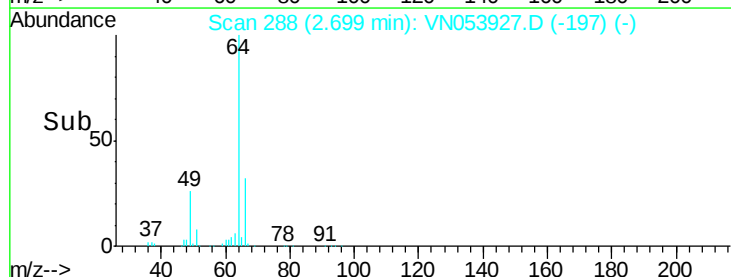
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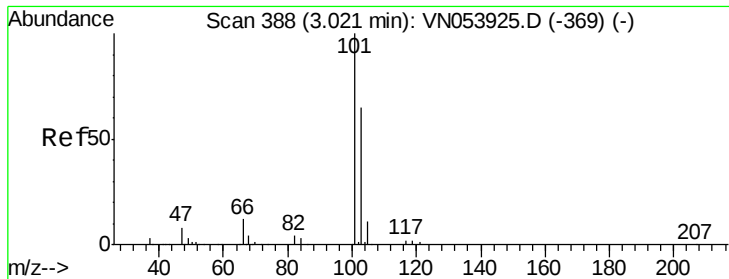
200000

100000

0

Time-->





#7

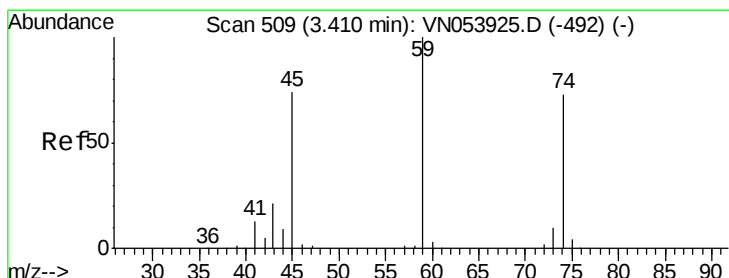
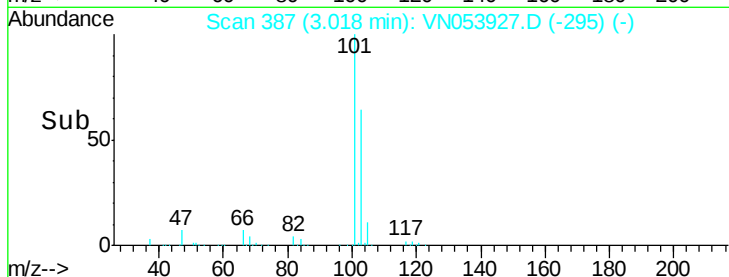
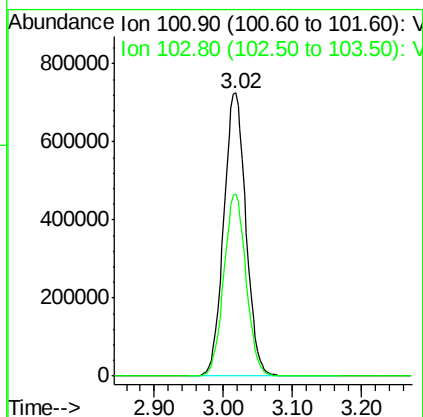
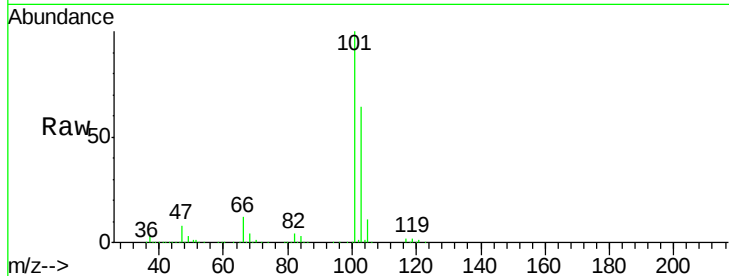
Trichlorofluoromethane
Concen: 139.456 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 1615930
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9

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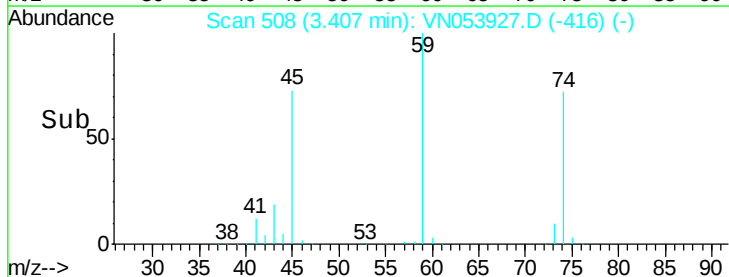
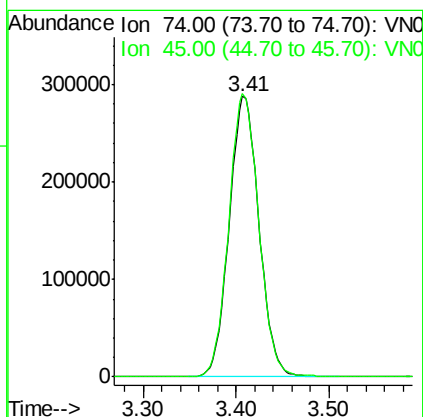
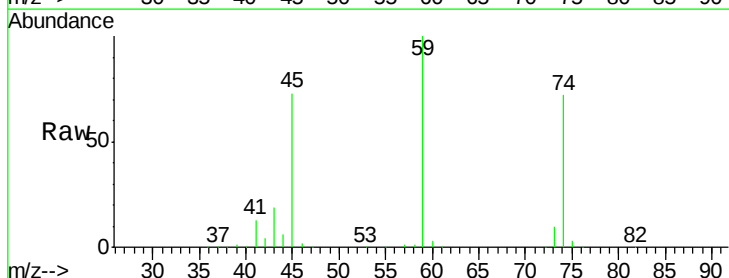
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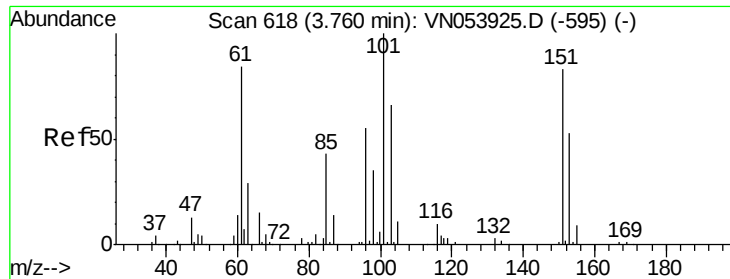


#8

Diethyl Ether
Concen: 147.994 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 74 Resp: 642483
Ion Ratio Lower Upper
74 100
45 101.2 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.990 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1009861

Ion Ratio Lower Upper

101 100

85 42.3 32.5 48.7

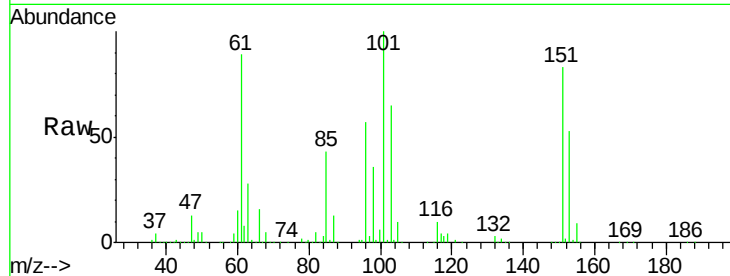
151 82.5 70.2 105.2

Manual Integrations

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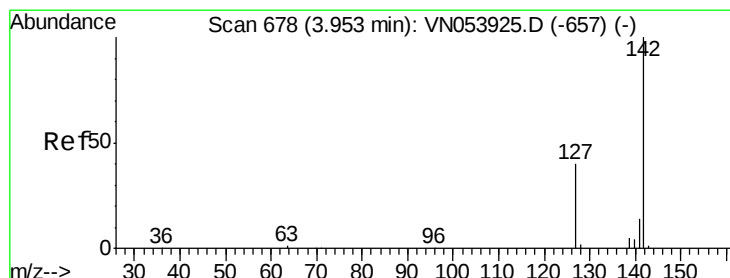
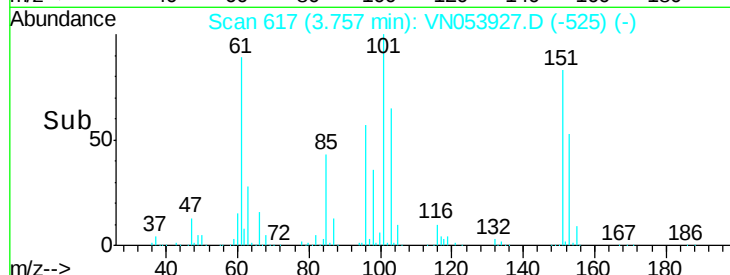
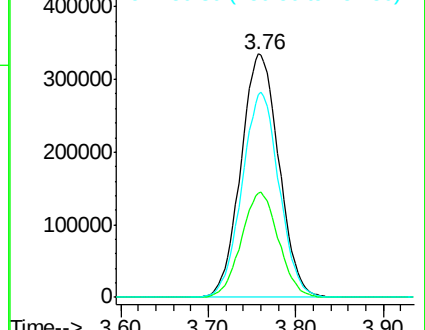
2/28/2019 10:48:17 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 162.895 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

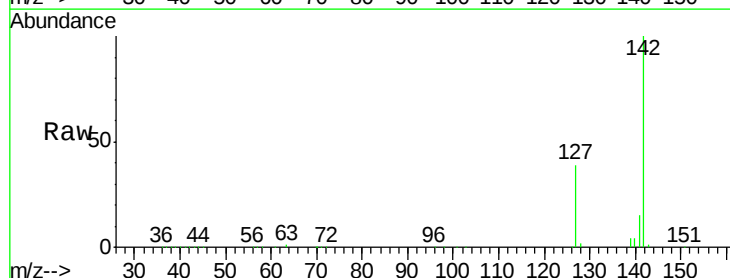
Tgt Ion:142 Resp: 1566438

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.4

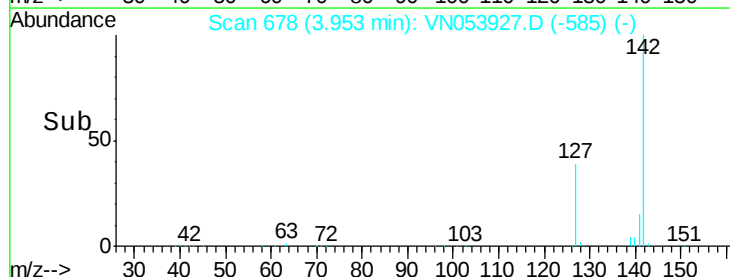
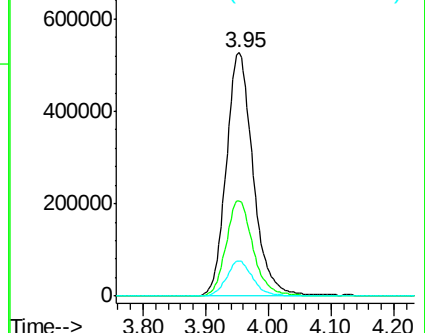
141 14.1 11.3 16.9

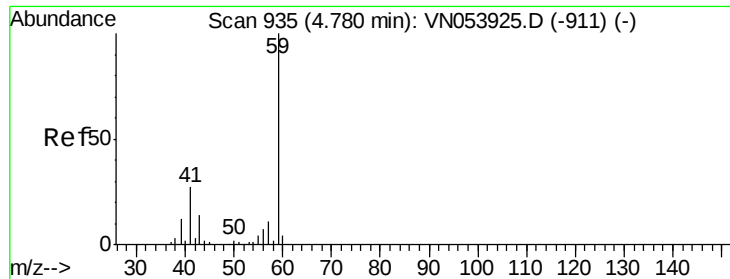


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

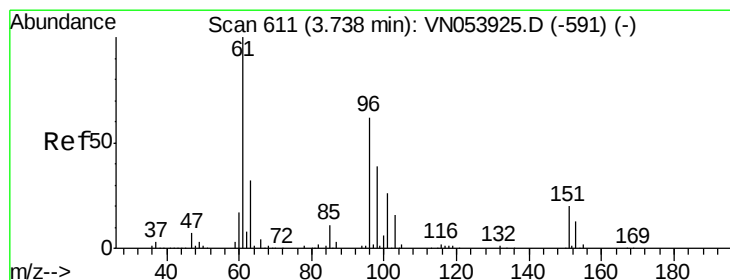
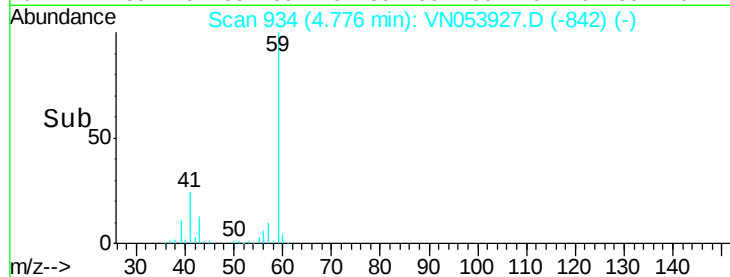
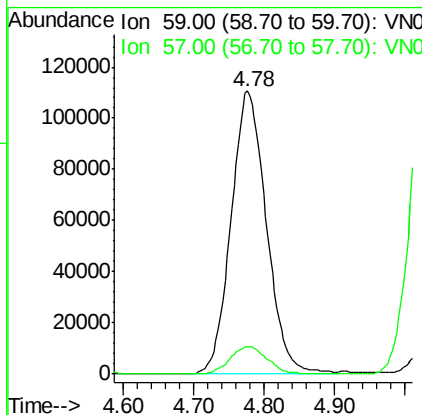
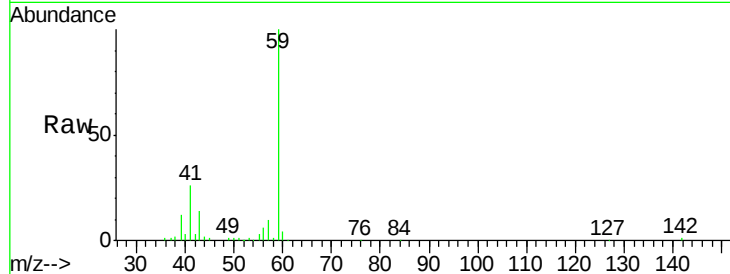
Tert butyl alcohol
Concen: 734.418 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	387017
Ion Ratio	100	Lower	Upper
57	10.3	8.1	12.1

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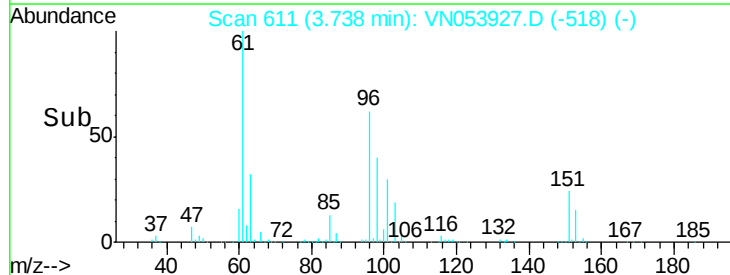
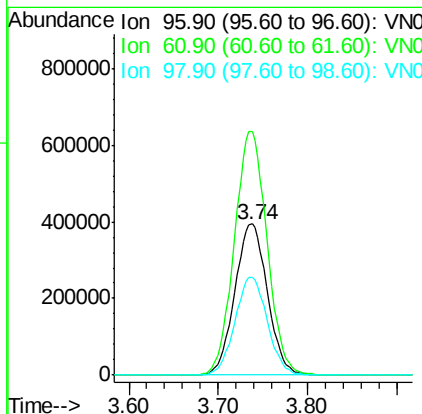
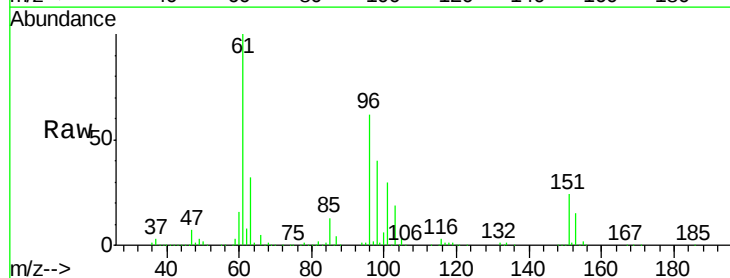
MMDadoda
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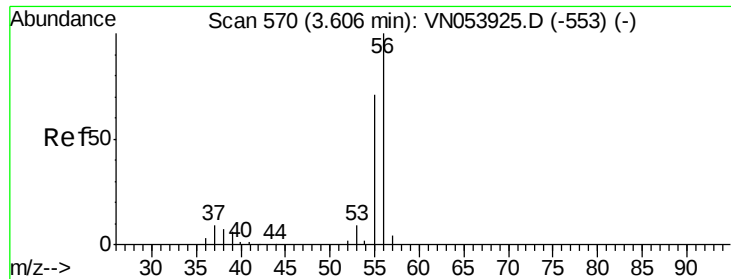


#12

1,1-Dichloroethene
Concen: 142.917 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion	96	Resp	1000451
Ion Ratio	100	Lower	Upper
61	160.9	121.0	181.4
98	64.9	52.2	78.2





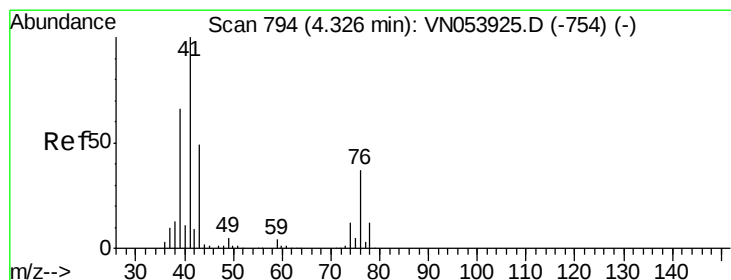
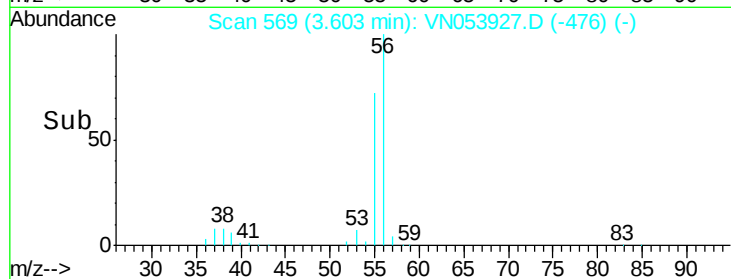
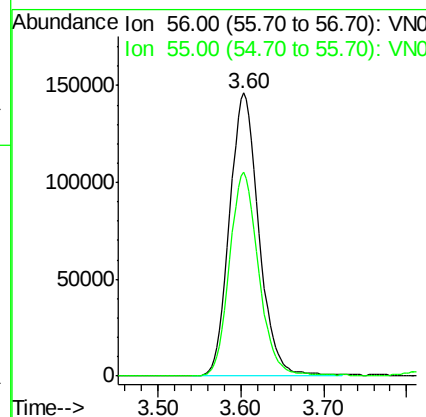
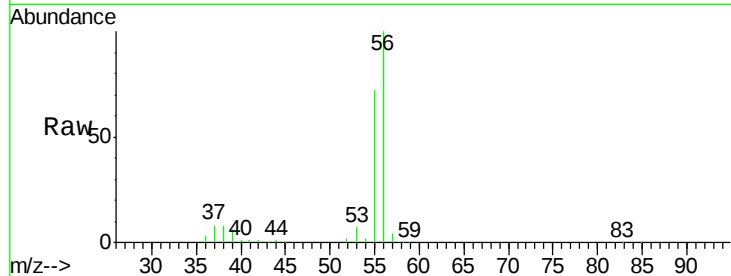
#13
Acrolein
Concen: 660.447 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.3	84.5

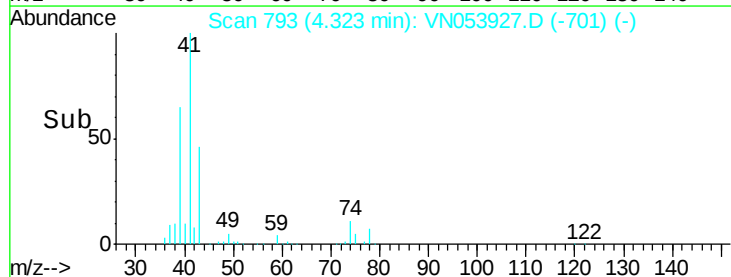
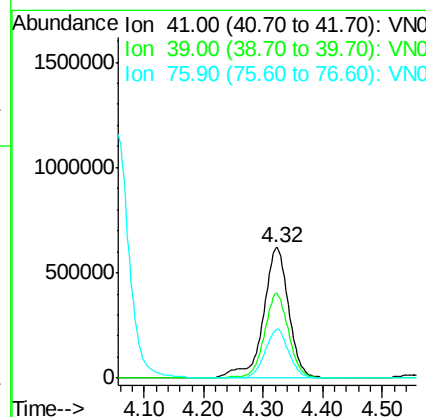
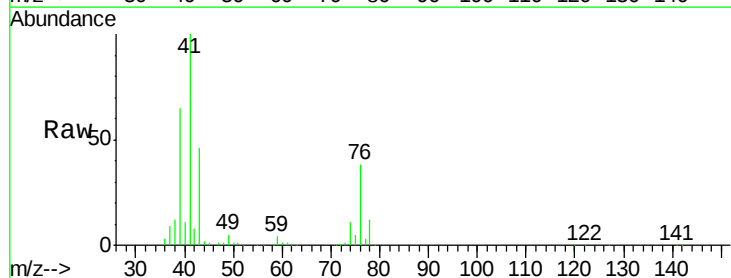
Manual Integrations
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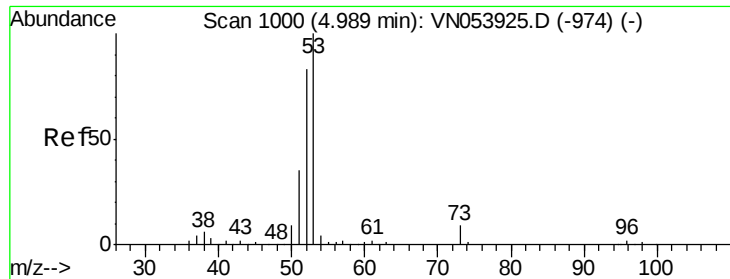
MMDadoda
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#14
Allyl chloride
Concen: 152.692 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.6	48.8	73.2
76	34.4	30.9	46.3





#15

Acrylonitrile

Concen: 746.616 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2073648

Ion Ratio Lower Upper

53 100

52 82.7 65.1 97.7

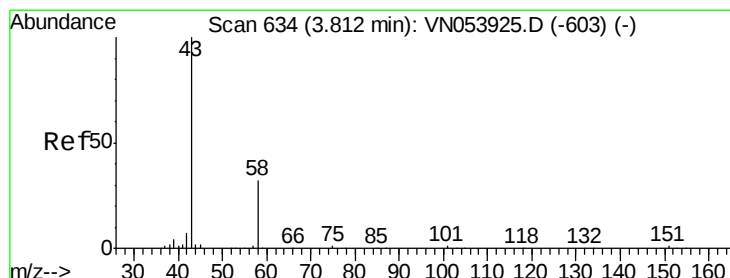
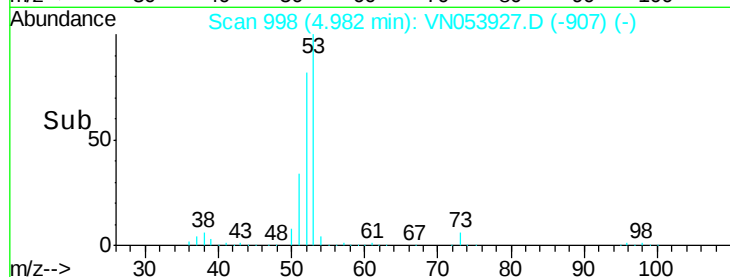
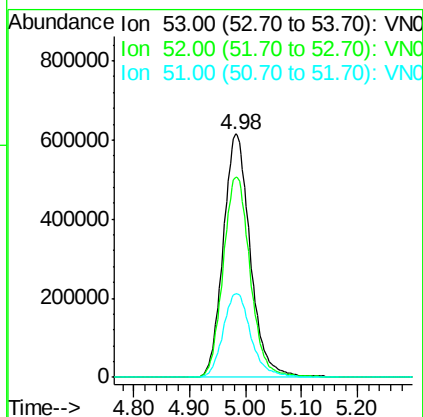
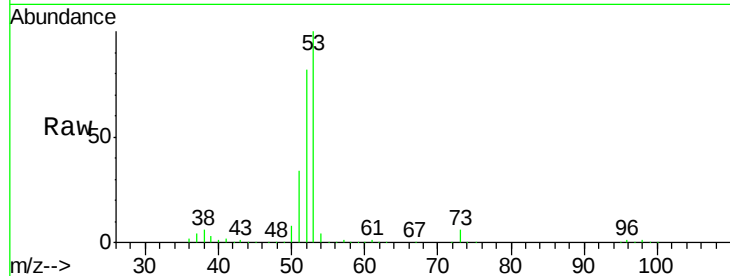
51 35.7 28.2 42.4

Manual Integrations

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#16

Acetone

Concen: 642.083 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053927.D

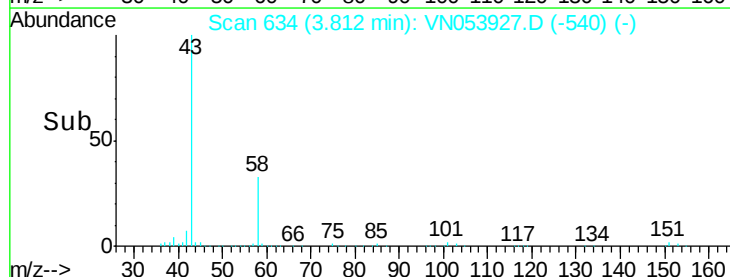
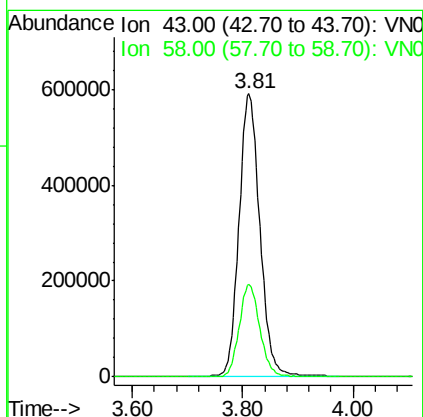
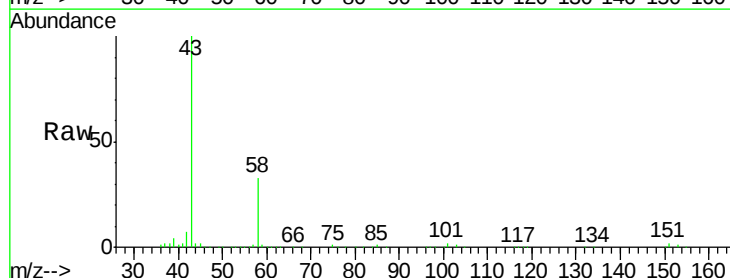
Acq: 25 Feb 2019 13:57

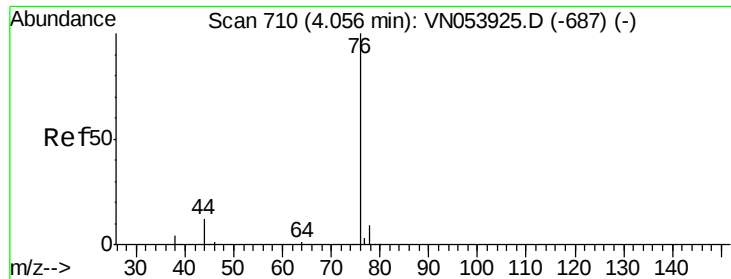
Tgt Ion: 43 Resp: 1565166

Ion Ratio Lower Upper

43 100

58 32.8 27.6 41.4





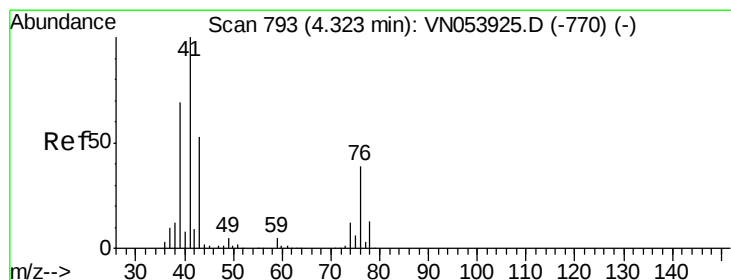
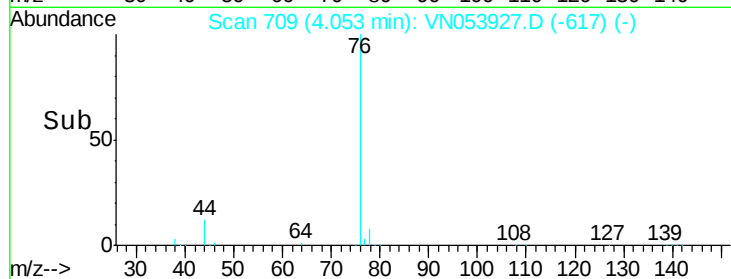
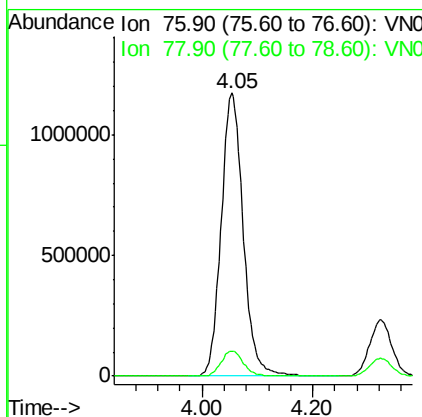
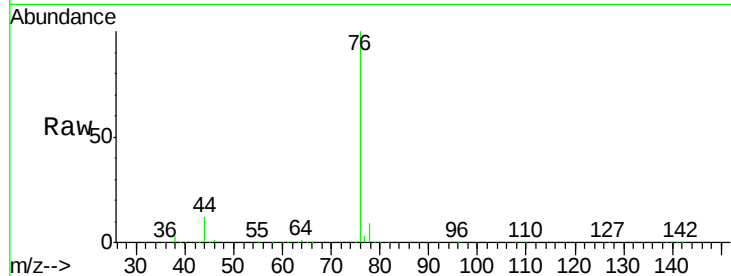
#17
Carbon Disulfide
Concen: 143.158 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 76 Resp: 3232917
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

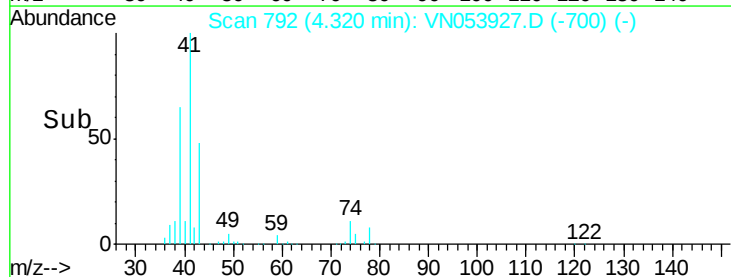
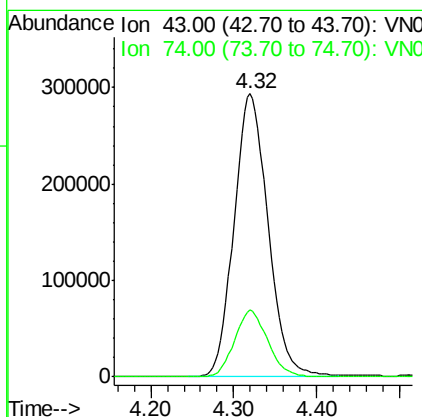
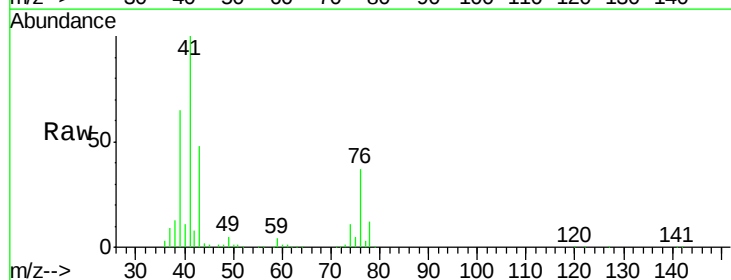
Manual Integrations
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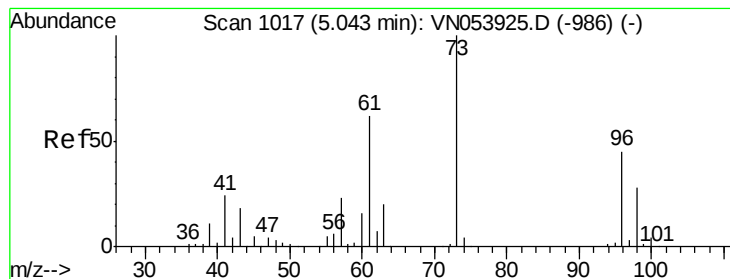
MMDadoda
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#18
Methyl Acetate
Concen: 143.396 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 43 Resp: 833493
Ion Ratio Lower Upper
43 100
74 23.0 20.5 30.7





#19

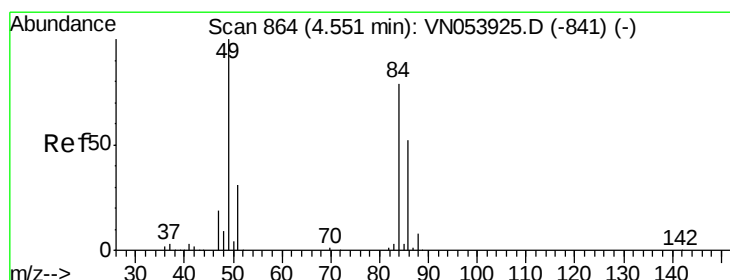
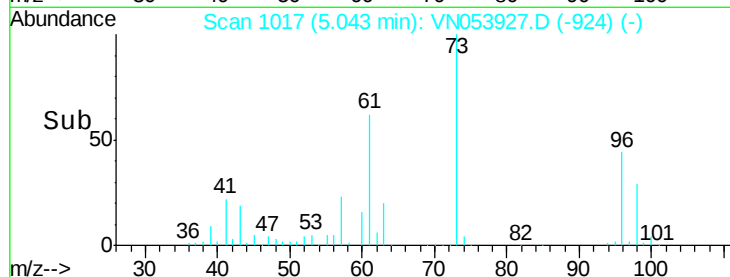
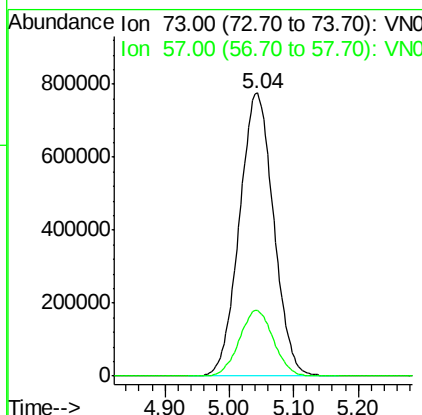
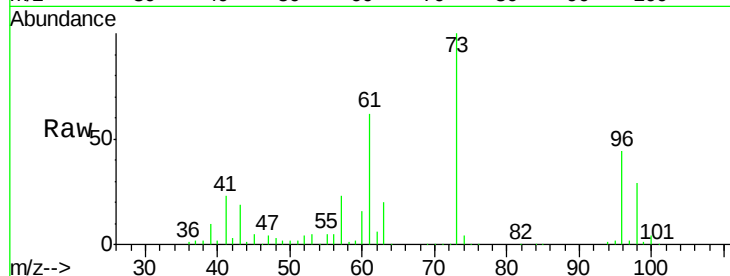
Methyl tert-butyl Ether
 Concen: 152.764 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 73 Resp: 2868724
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.0 27.0

Manual Integrations
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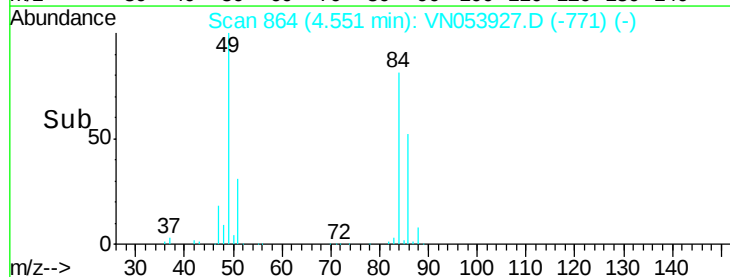
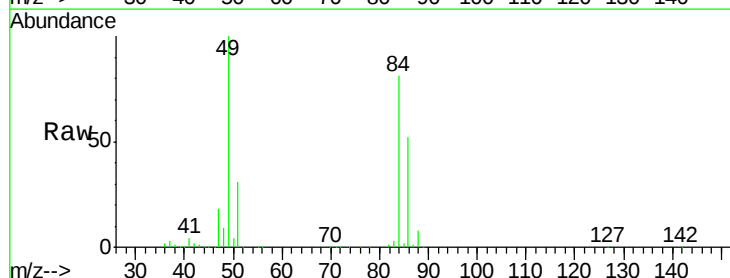
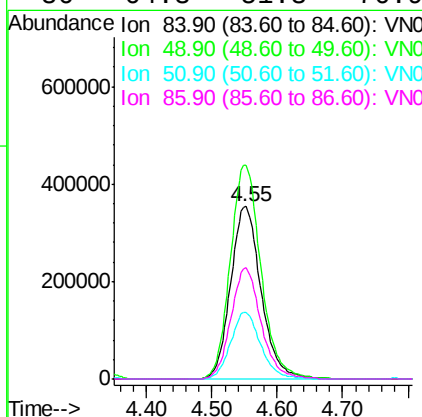
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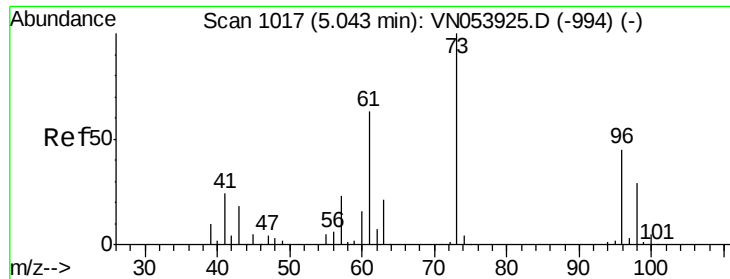


#20

Methylene Chloride
 Concen: 139.618 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion: 84 Resp: 1148676
 Ion Ratio Lower Upper
 84 100
 49 123.7 89.7 134.5
 51 38.8 27.8 41.8
 86 64.3 51.3 76.9





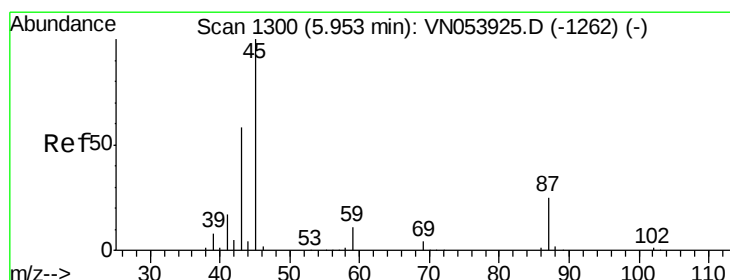
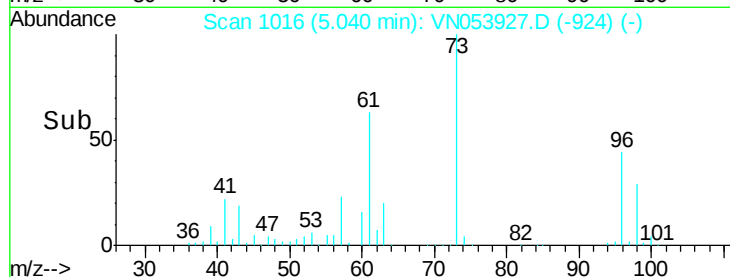
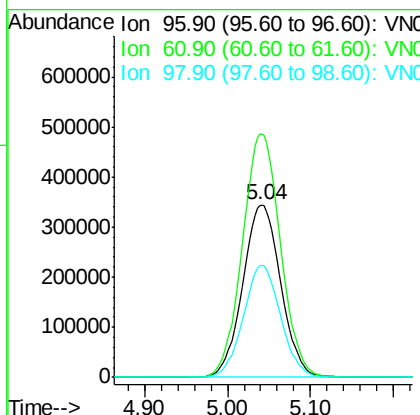
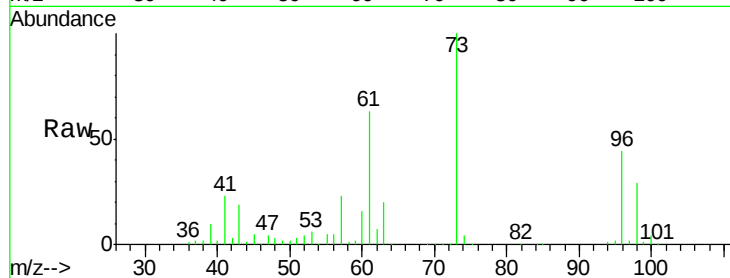
#21
trans-1,2-Dichloroethene
Concen: 144.133 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1092033
Ion Ratio Lower Upper
96 100
61 141.2 104.5 156.7
98 64.7 50.6 76.0

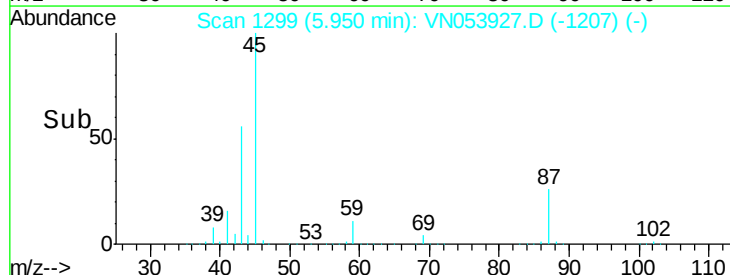
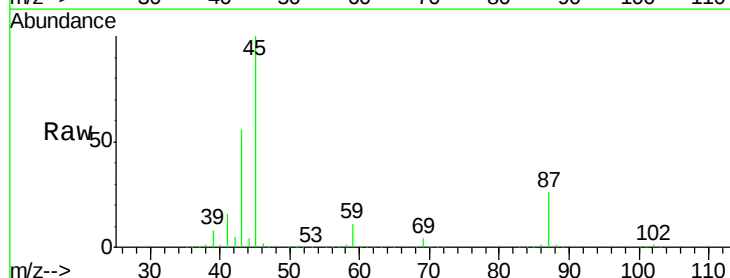
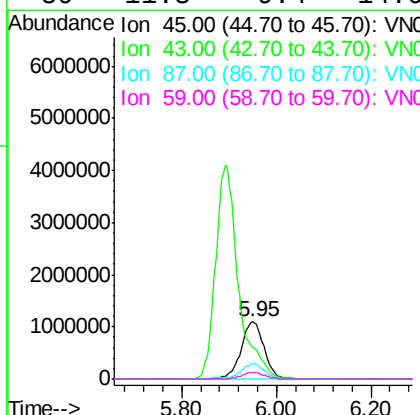
Manual Integrations
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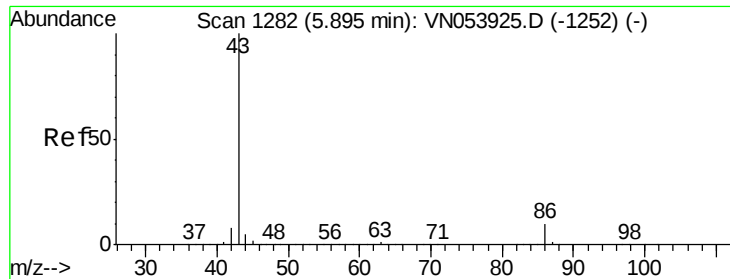
MMDadoda
2/28/2019 10:48:17 AM



#22
Diisopropyl ether
Concen: 157.682 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 45 Resp: 3734930
Ion Ratio Lower Upper
45 100
43 56.1 46.2 69.4
87 26.2 23.4 35.0
59 11.3 9.4 14.0





#23

Vinyl Acetate

Concen: 803.975 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:13699411

Ion Ratio Lower Upper

43 100

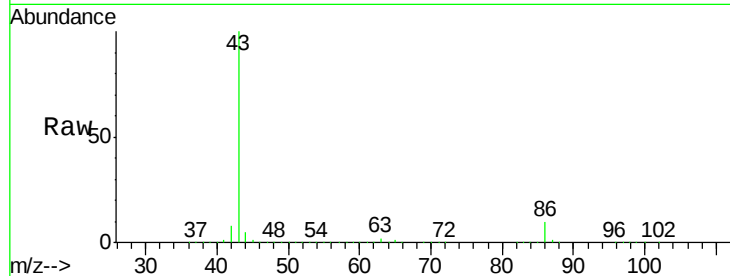
86 9.8 9.1 13.7

Manual Integrations

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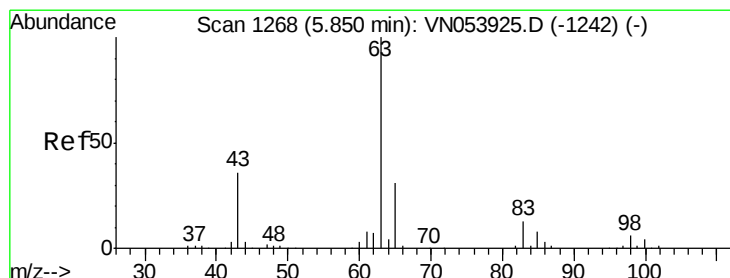
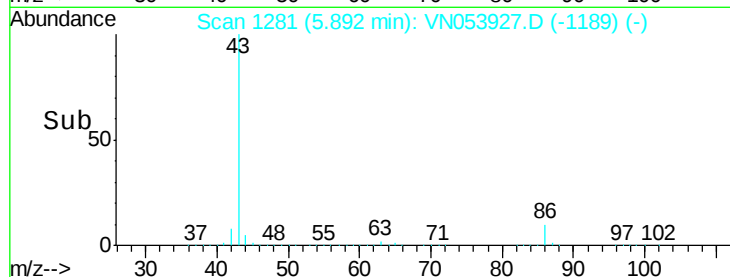
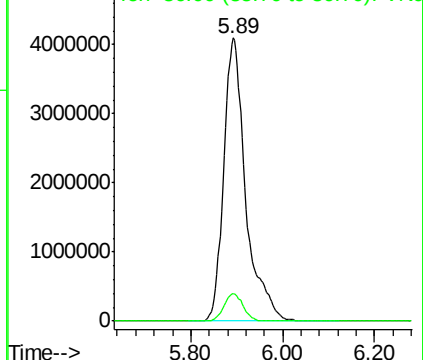
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 143.462 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

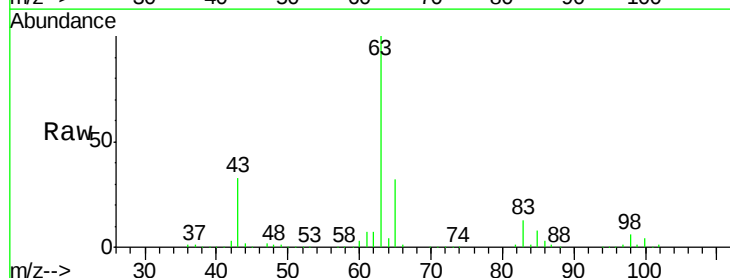
Tgt Ion: 63 Resp: 2083858

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

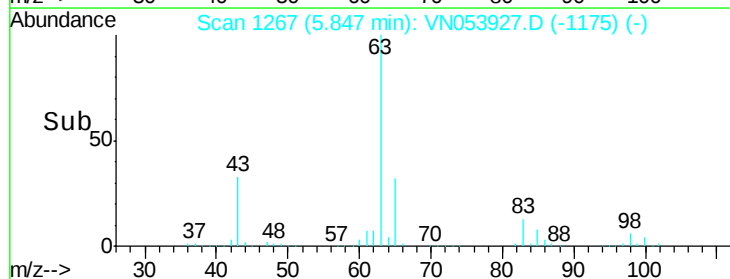
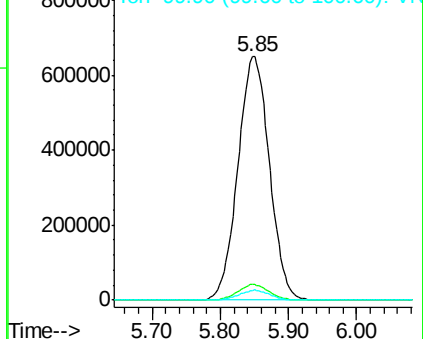
100 4.1 2.2 6.6

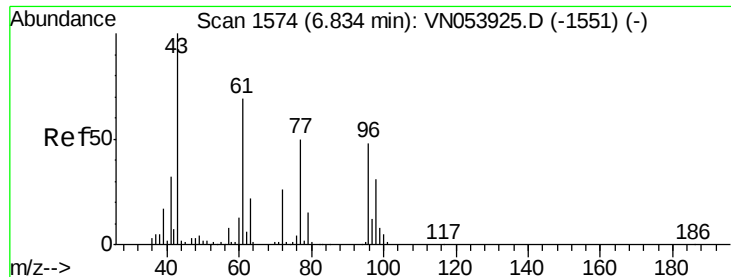


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





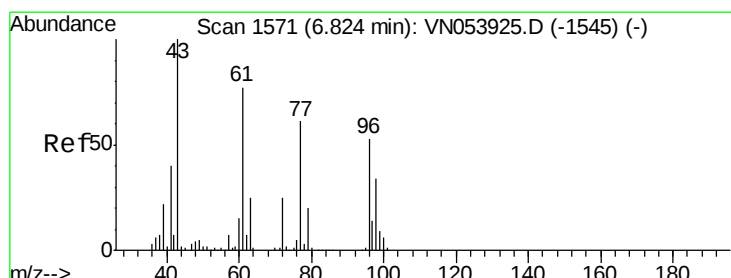
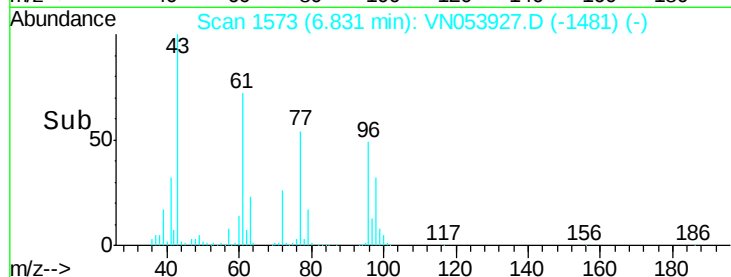
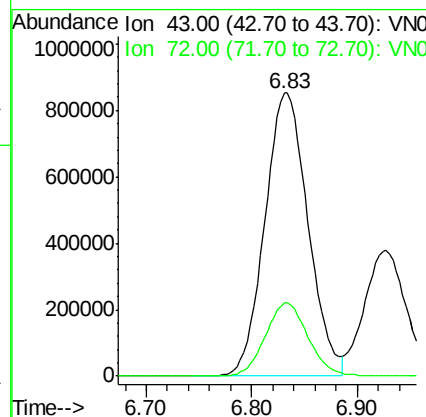
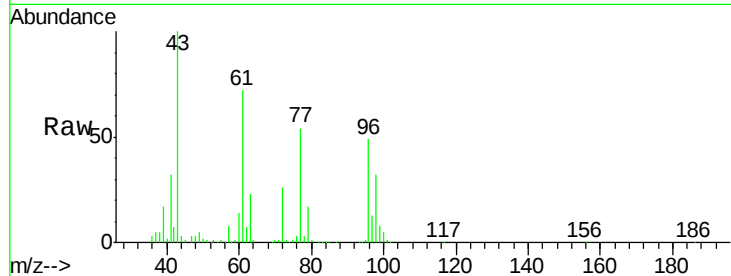
#25
2-Butanone
Concen: 741.429 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2419989
Ion Ratio Lower Upper
43 100
72 25.8 22.1 33.1

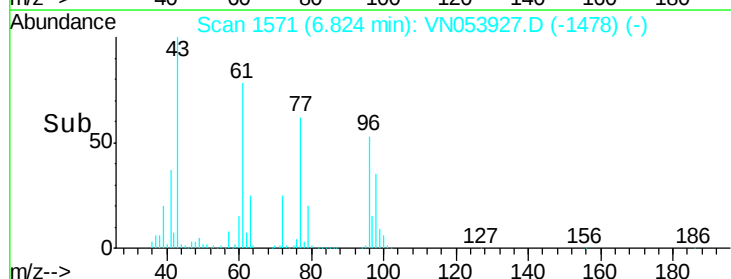
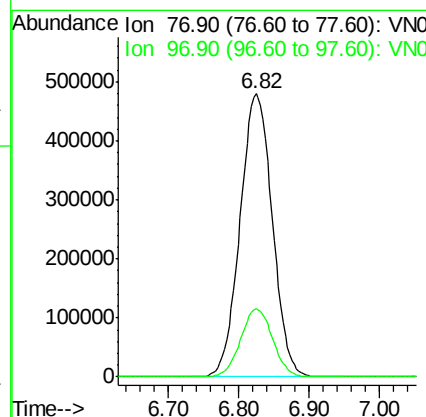
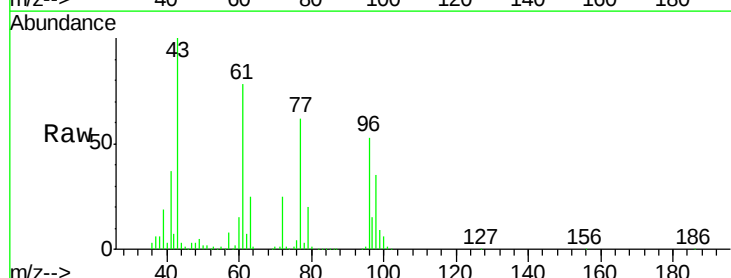
Manual Integrations
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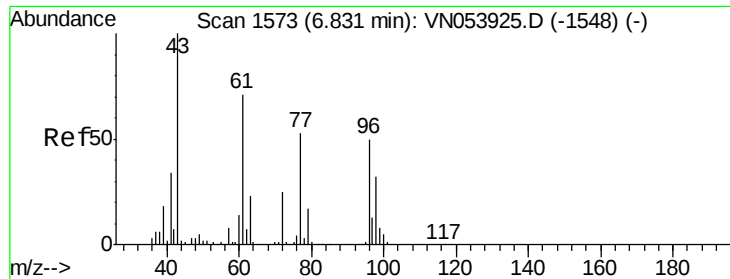
MMDadoda
2/28/2019 10:48:17 AM



#26
2,2-Dichloropropane
Concen: 148.140 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 77 Resp: 1528773
Ion Ratio Lower Upper
77 100
97 23.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 146.814 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1237074

Ion Ratio Lower Upper

96 100

61 147.3 0.0 275.6

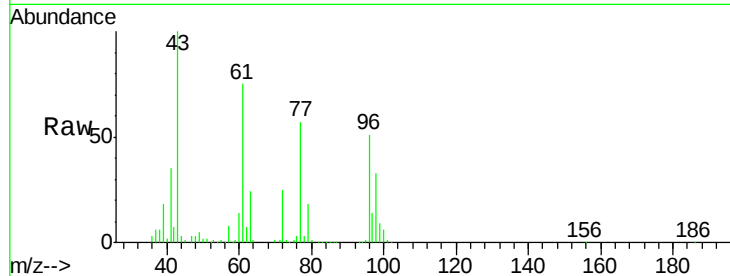
98 65.0 0.0 130.0

Manual Integrations

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MMDadoda

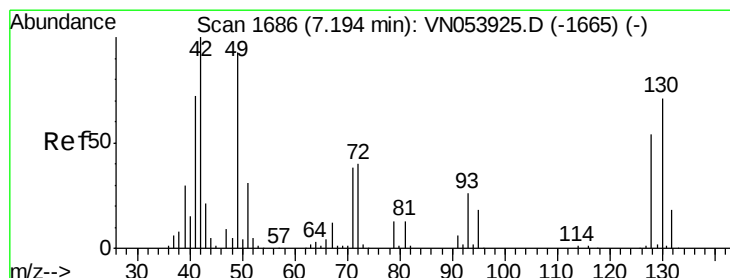
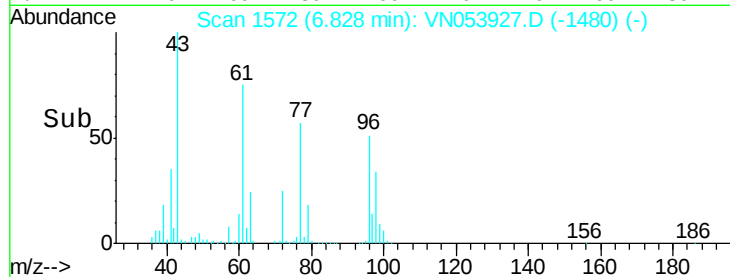
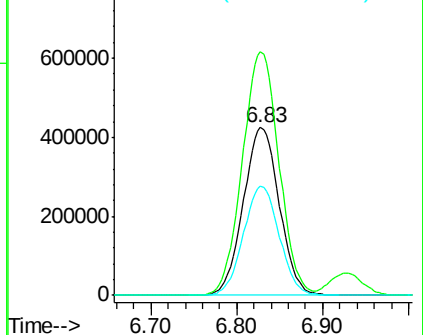
2/28/2019 10:48:17 AM



Abundance Ion 95.90 (95.60 to 96.60): VN053927.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053927.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053927.D (-1480) (-)



#28

Bromochloromethane

Concen: 142.550 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

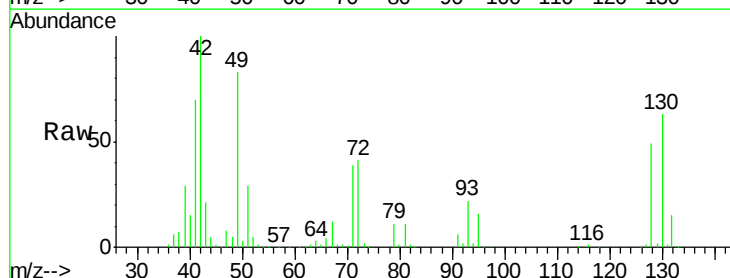
Tgt Ion: 49 Resp: 947777

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

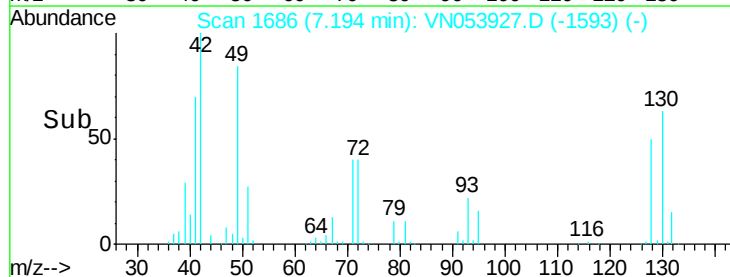
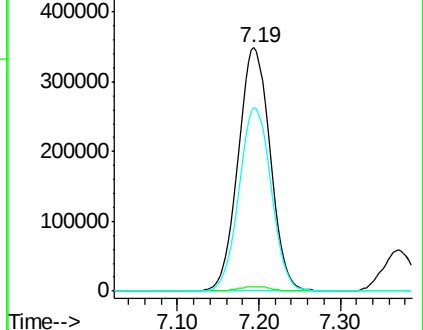
130 75.7 72.9 109.3

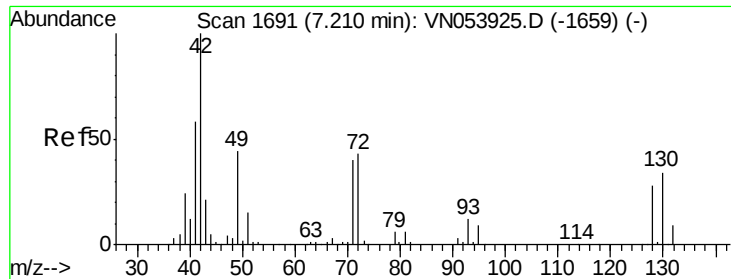


Abundance Ion 48.90 (48.60 to 49.60): VN053927.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053927.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053927.D (-1593) (-)





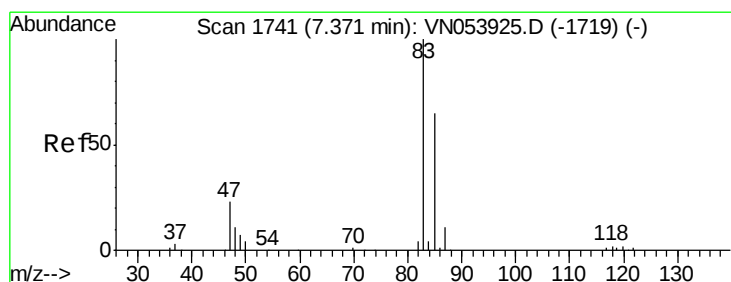
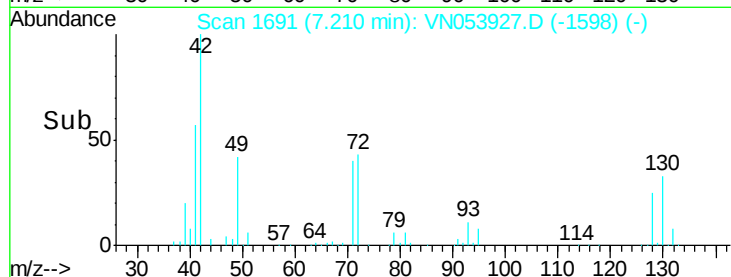
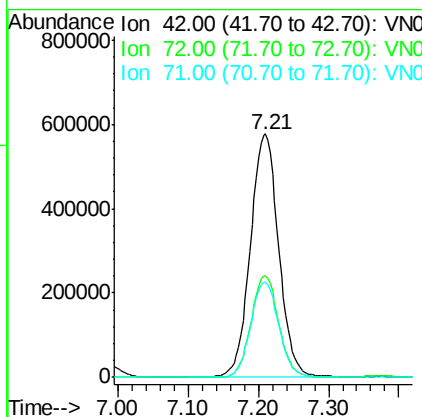
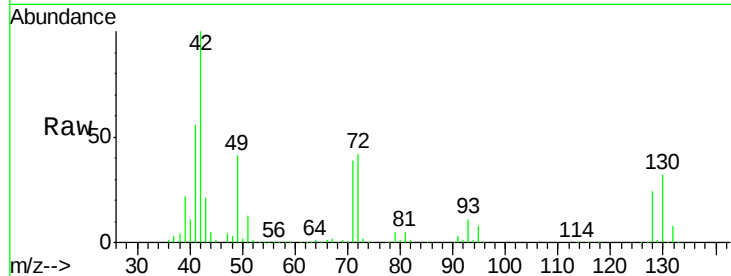
#29
Tetrahydrofuran
Concen: 740.953 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1610514
Ion Ratio Lower Upper
42 100
72 40.8 36.9 55.3
71 38.9 34.6 52.0

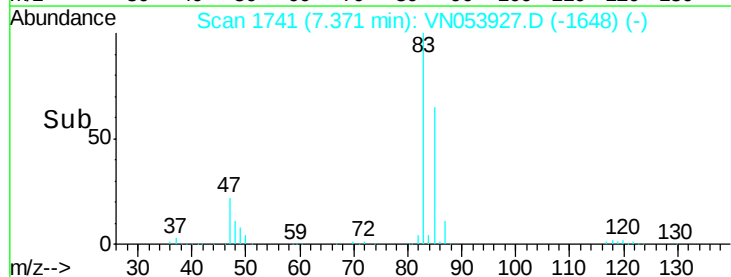
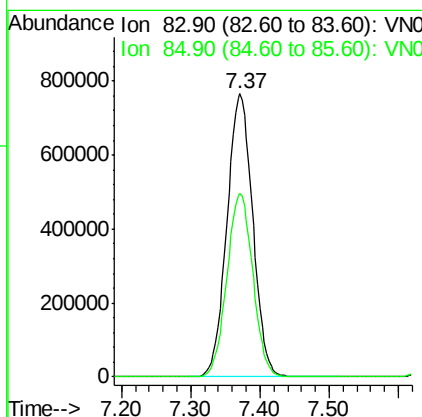
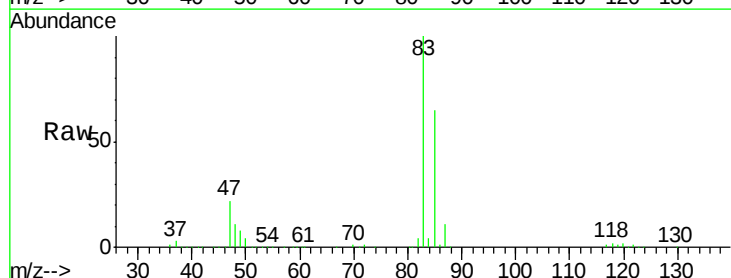
Manual Integrations
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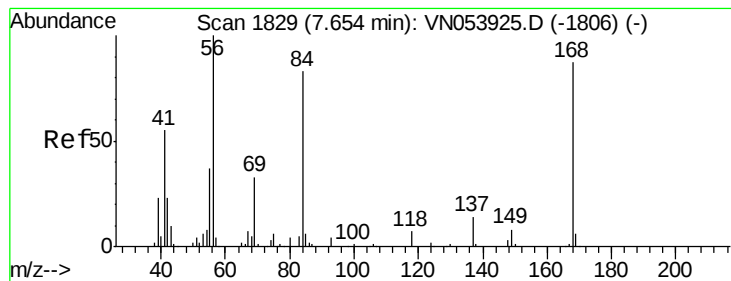
MMDadoda
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#30
Chloroform
Concen: 141.545 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 83 Resp: 1993620
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8





#31

Cyclohexane

Concen: 128.551 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1988326

Ion Ratio Lower Upper

56 100

69 29.9 26.0 39.0

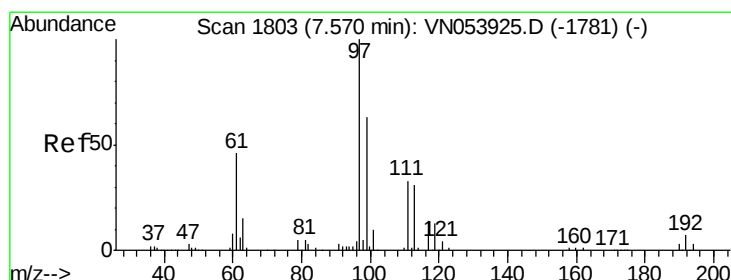
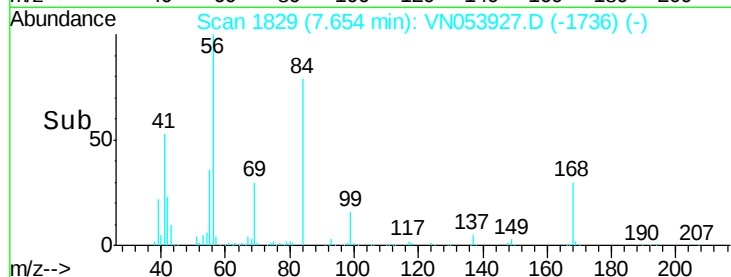
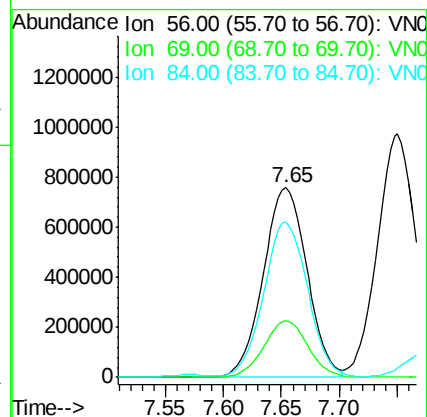
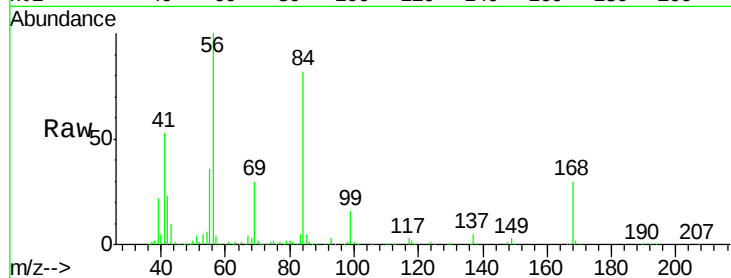
84 80.4 69.1 103.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 146.714 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

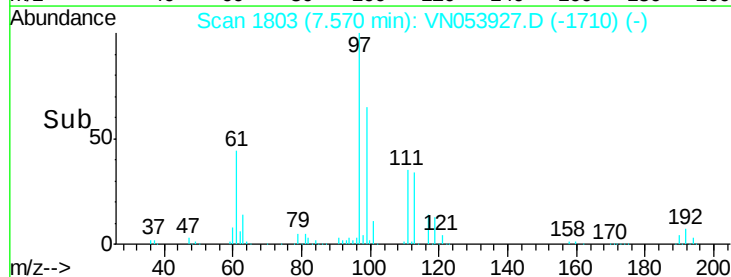
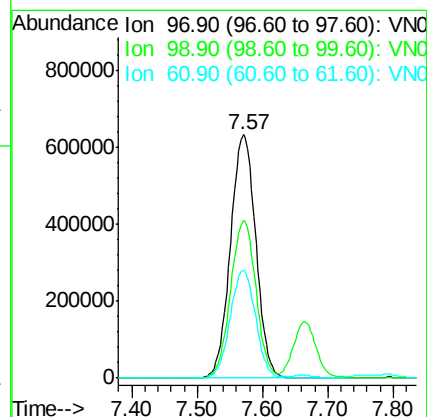
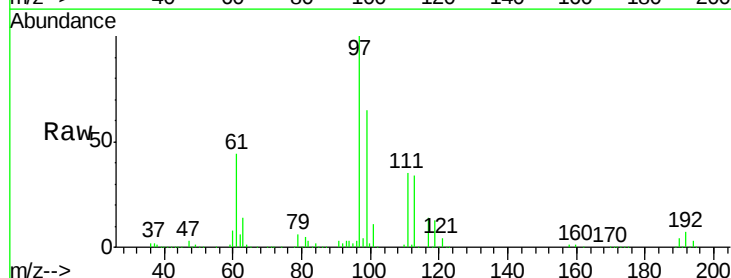
Tgt Ion: 97 Resp: 1703833

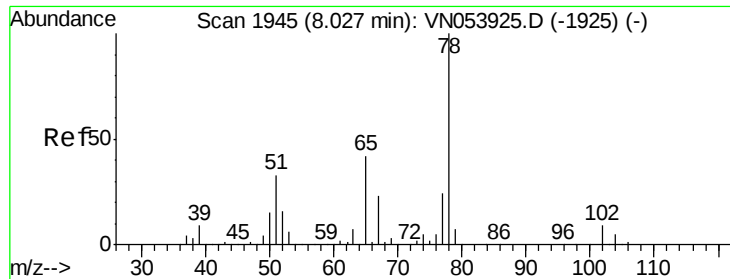
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 44.3 33.2 49.8





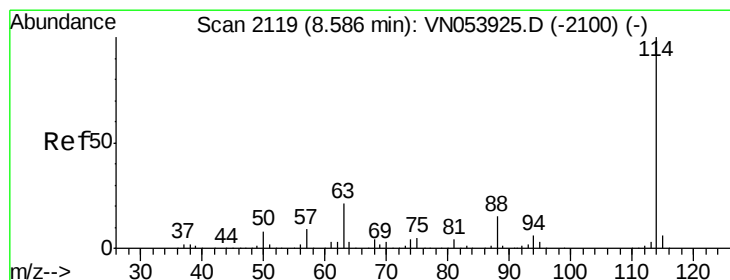
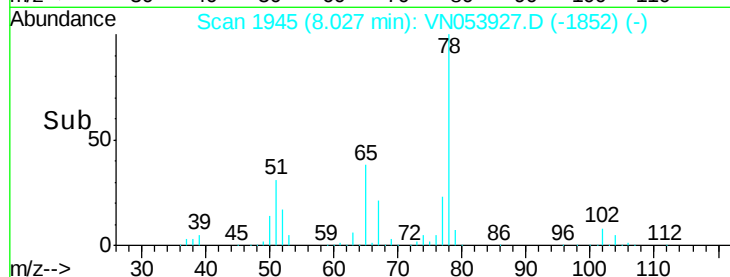
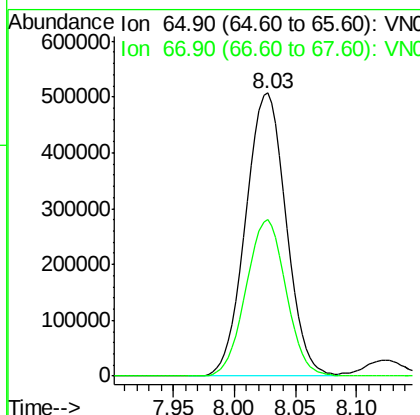
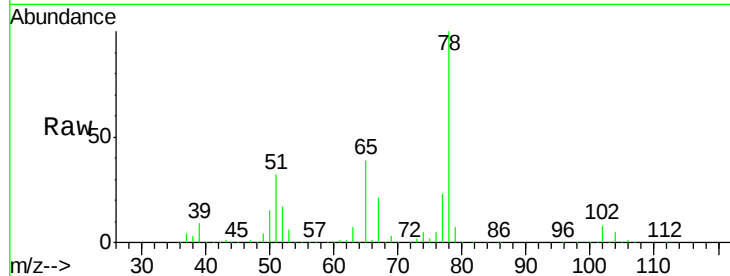
#33
 1,2-Dichloroethane-d4
 Concen: 140.004 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1163805
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.8

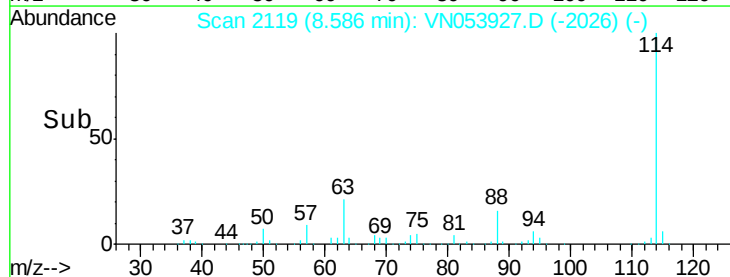
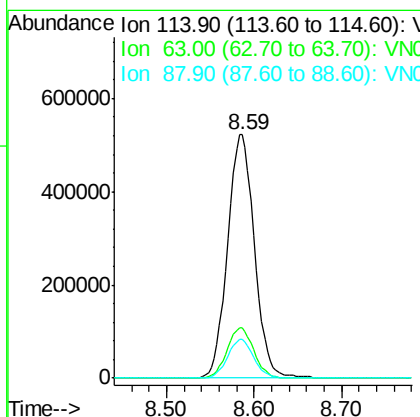
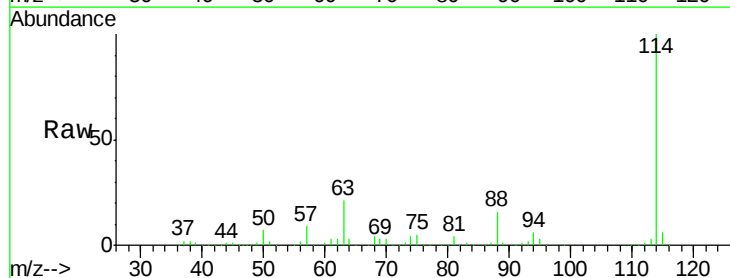
Manual Integrations
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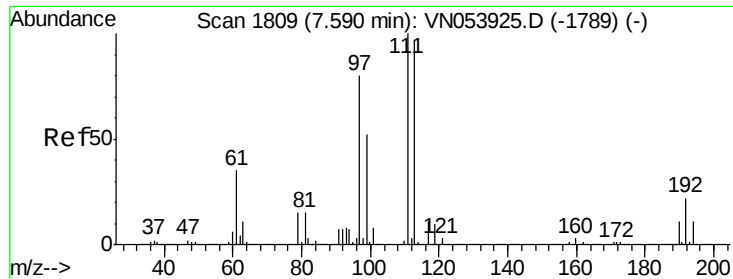
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 2/28/2019 10:48:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion: 114 Resp: 1113985
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.4
 88 15.8 0.0 30.4





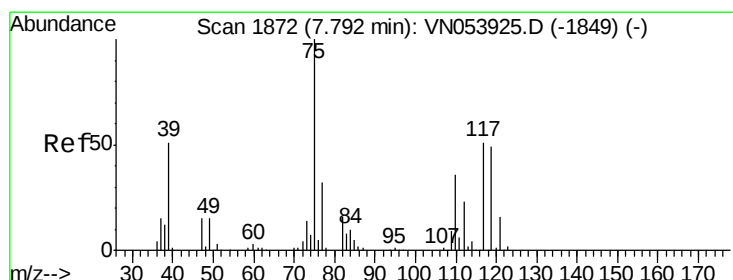
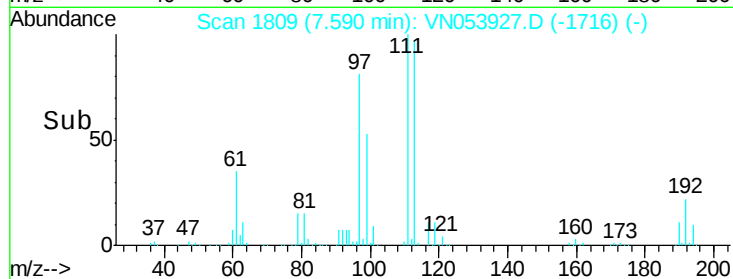
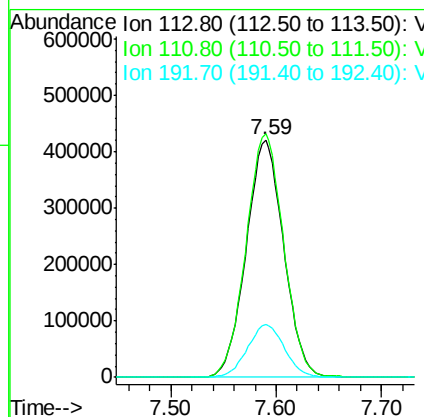
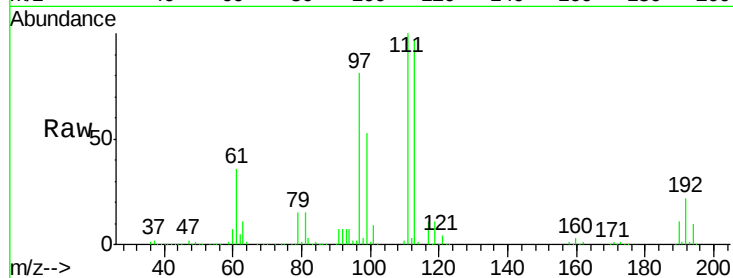
#35
 Dibromofluoromethane
 Concen: 144.653 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	22.1	18.8	28.2

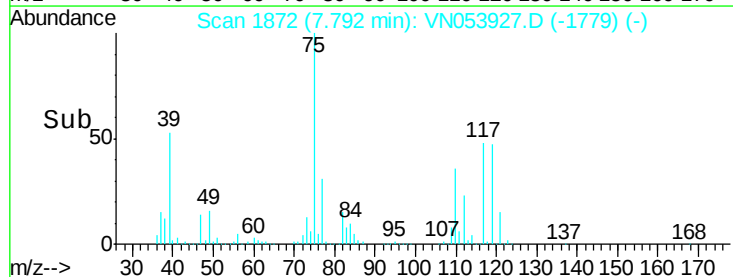
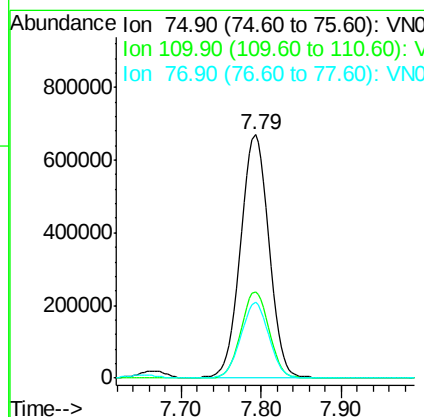
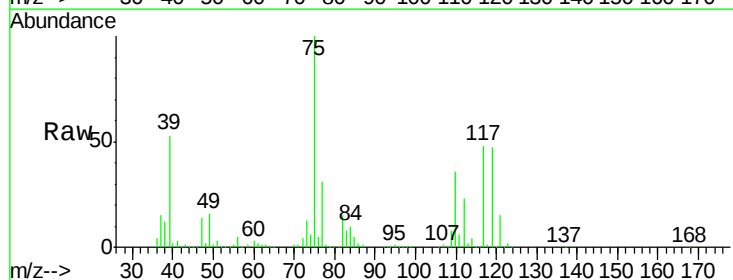
Manual Integrations
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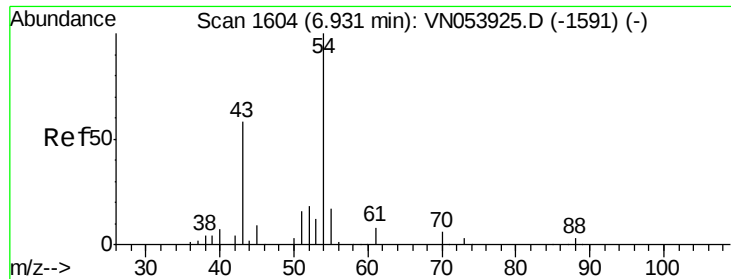
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#36
 1,1-Dichloropropene
 Concen: 154.343 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	19.0	57.0
77	30.9	25.4	38.0





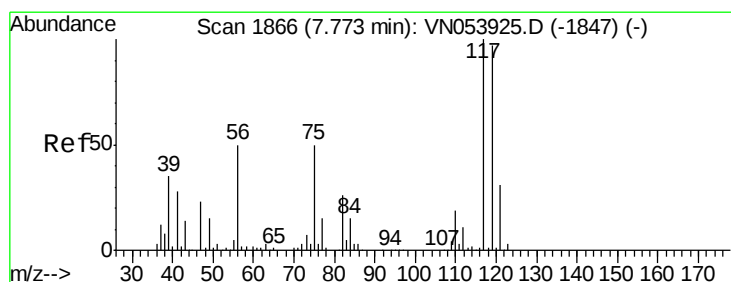
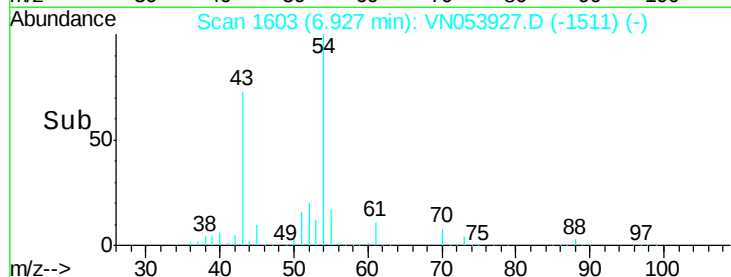
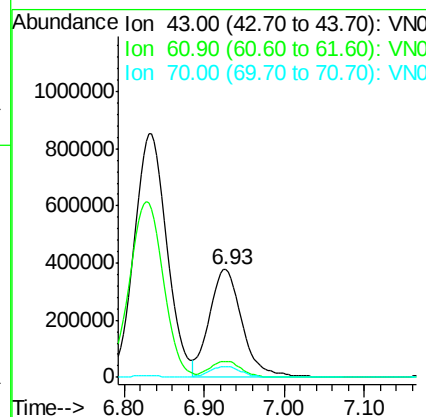
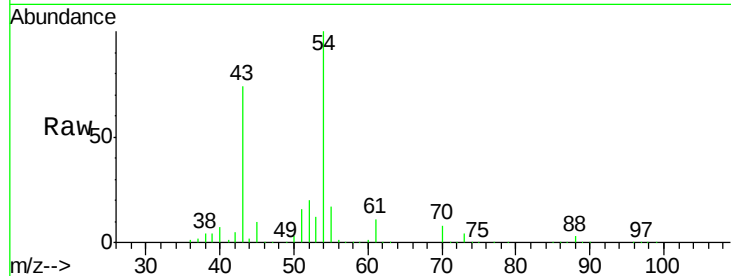
#37
Ethyl Acetate
Concen: 144.744 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1070694
Ion Ratio Lower Upper
43 100
61 14.3 12.0 18.0
70 9.8 8.7 13.1

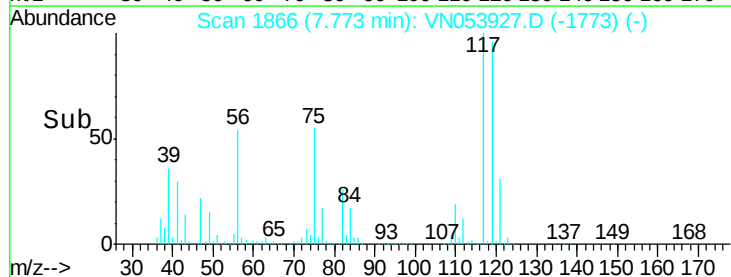
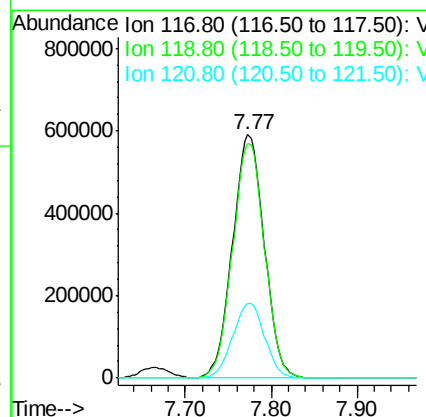
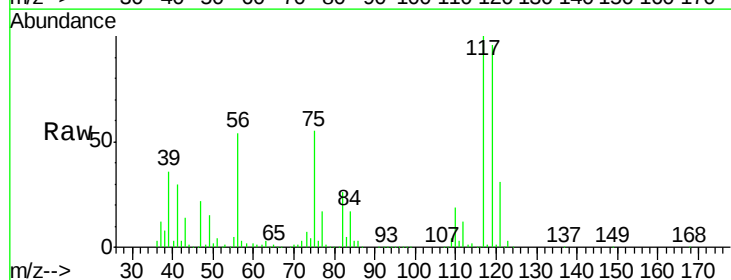
Manual Integrations
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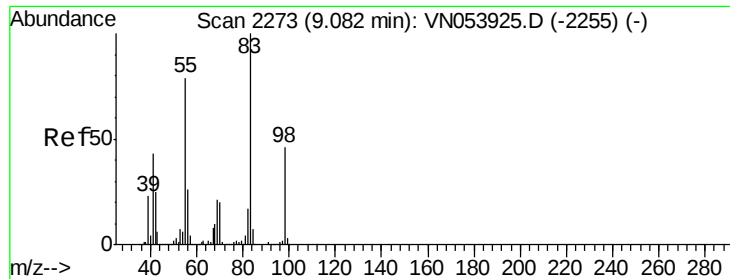
MMDadoda
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#38
Carbon Tetrachloride
Concen: 139.984 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 117 Resp: 1508242
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 30.5 24.6 36.8





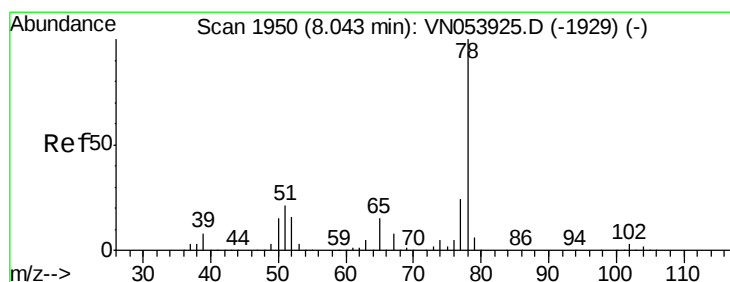
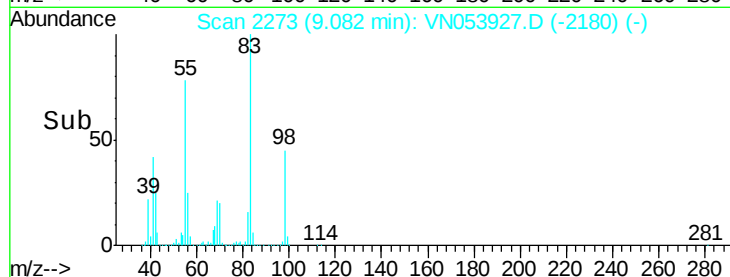
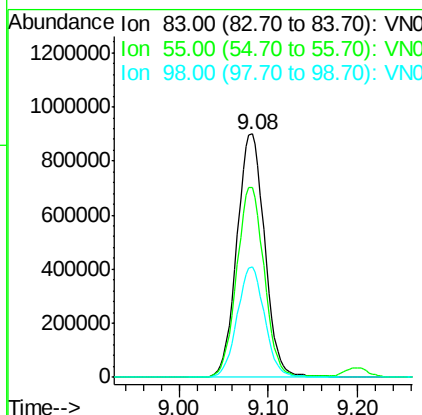
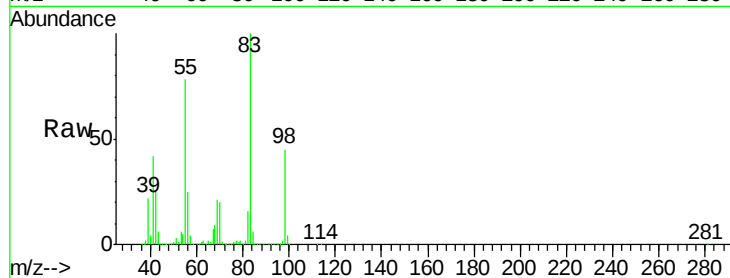
#39
Methylvlcyclohexane
Concen: 156.026 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	58.2	87.4
98	45.5	37.2	55.8

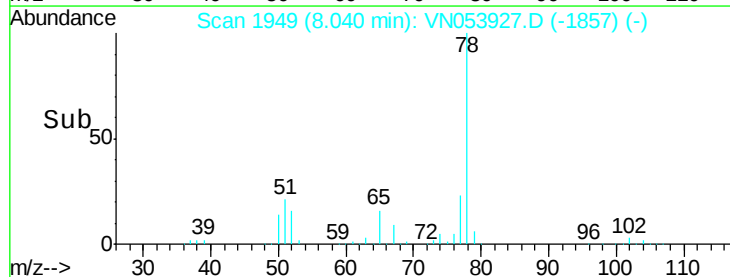
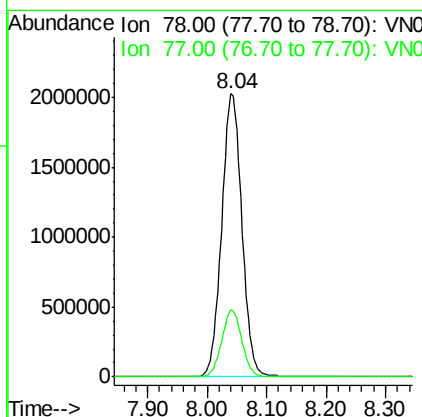
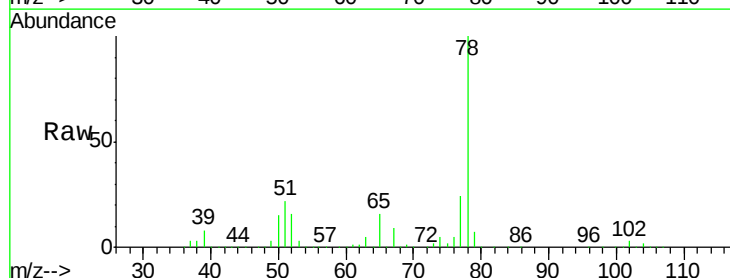
Manual Integrations
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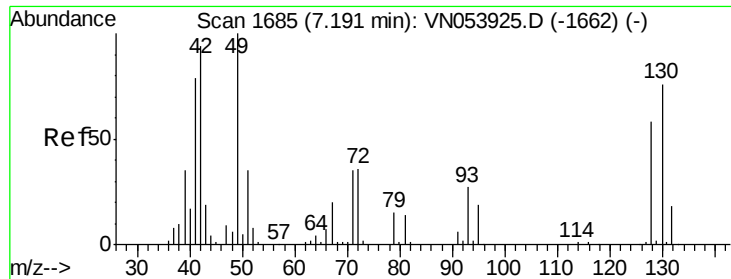
MMDadoda
2/28/2019 10:48:17 AM



#40
Benzene
Concen: 149.455 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 170.730 ug/l m

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 813213
Ion Ratio Lower Upper

41 100

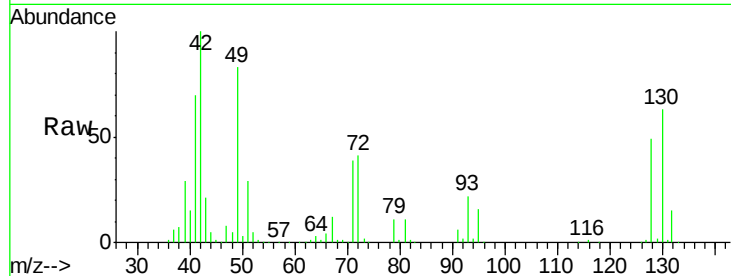
39 43.7 0.0 0.0#

67 57.6 0.0 0.0#

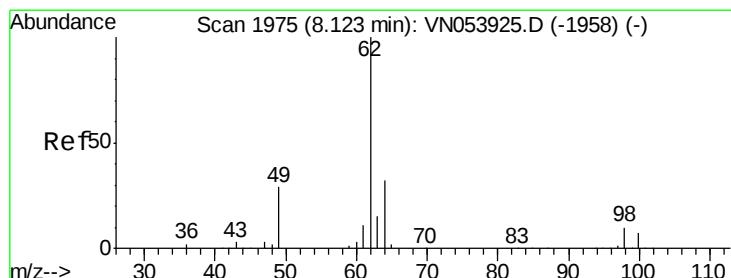
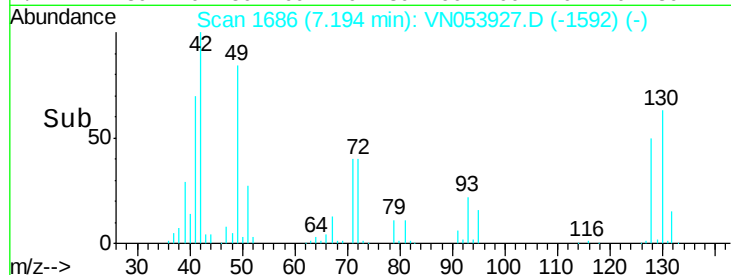
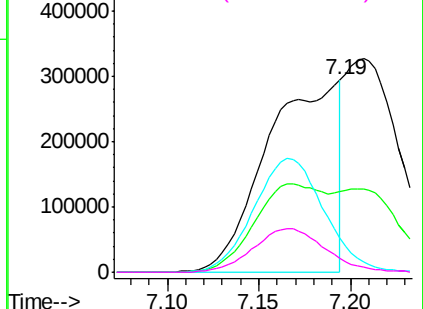
52 22.4 0.0 0.0#

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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 146.538 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

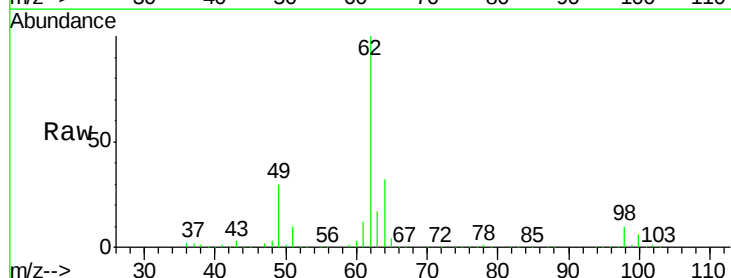
Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

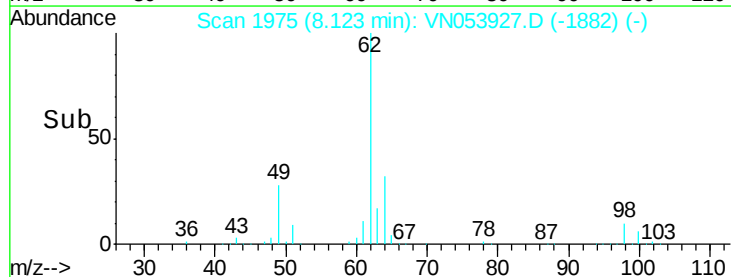
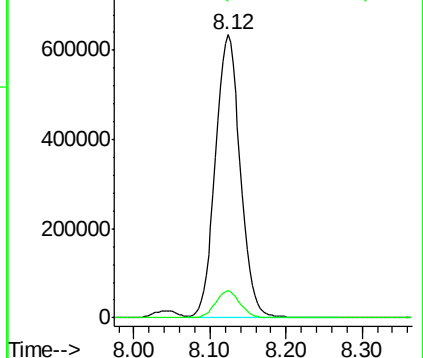
Tgt Ion: 62 Resp: 1443840
Ion Ratio Lower Upper

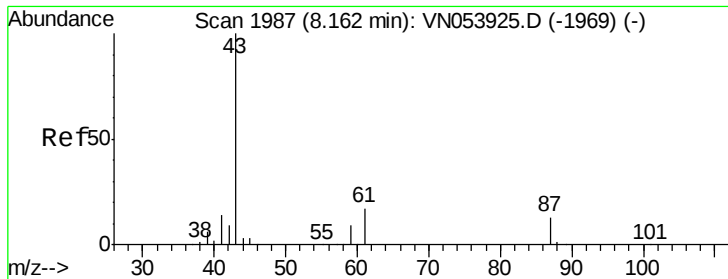
62 100

98 9.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

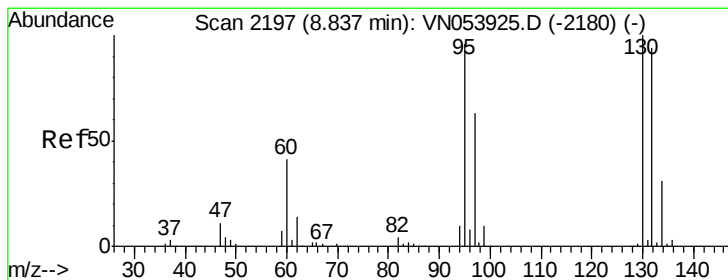
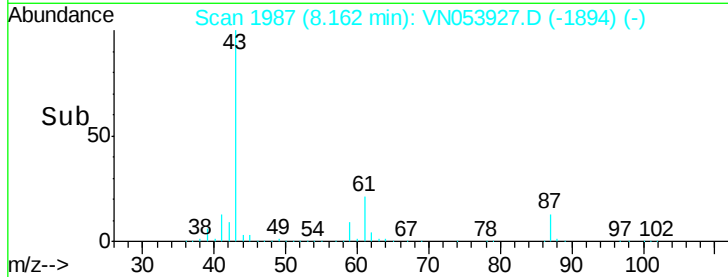
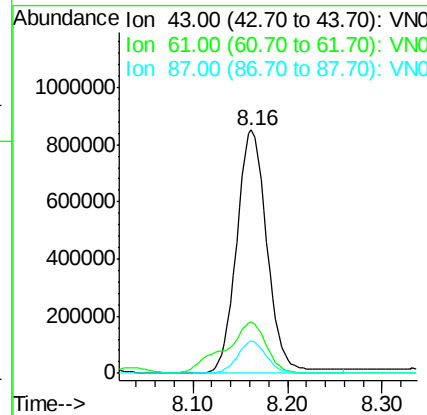
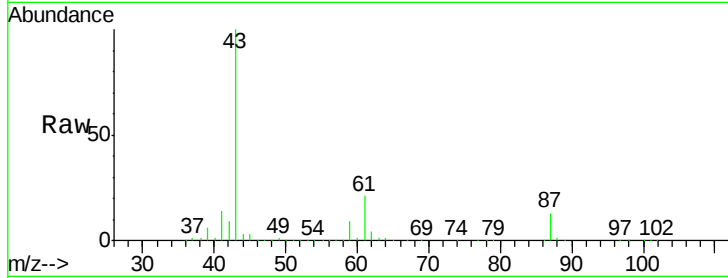
Isopropyl Acetate
 Concen: 153.050 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1911530
 Ion Ratio Lower Upper
 43 100
 61 28.1 17.4 26.0#
 87 12.7 11.5 17.3

Manual Integrations
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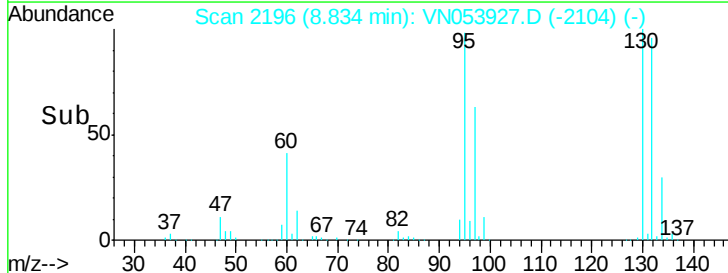
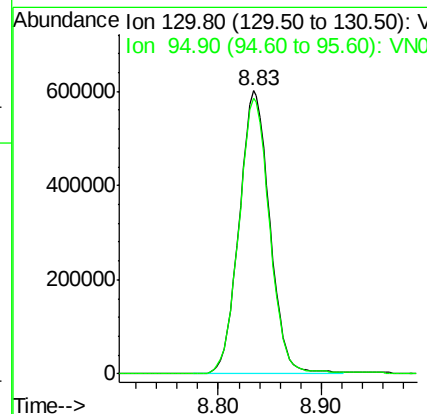
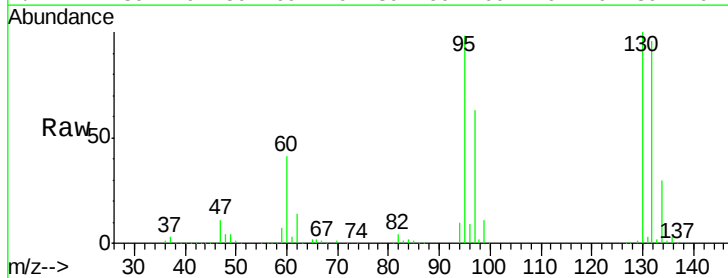
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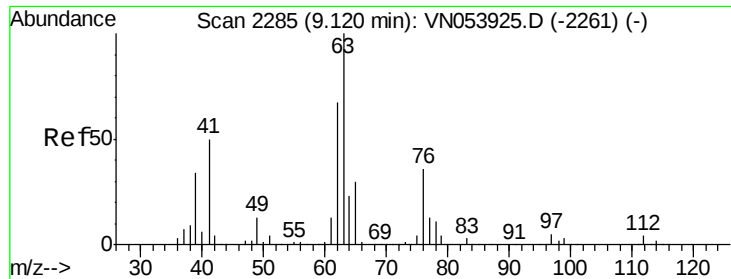


#44

Trichloroethene
 Concen: 147.131 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion:130 Resp: 1241382
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 190.0





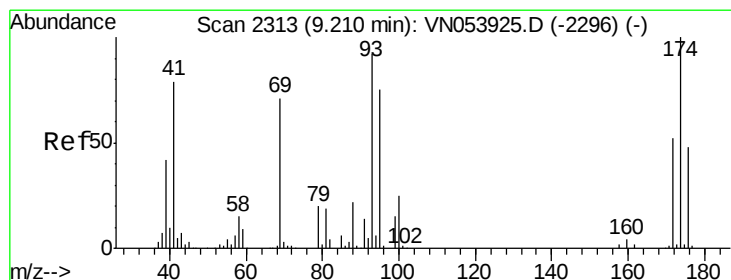
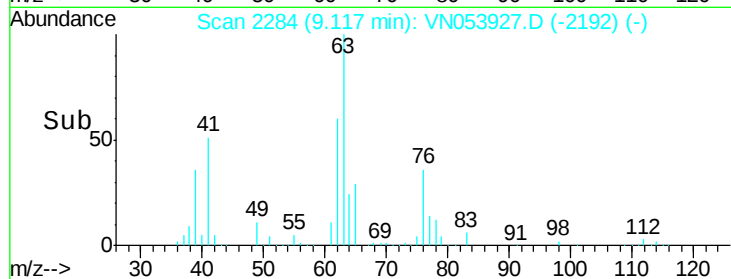
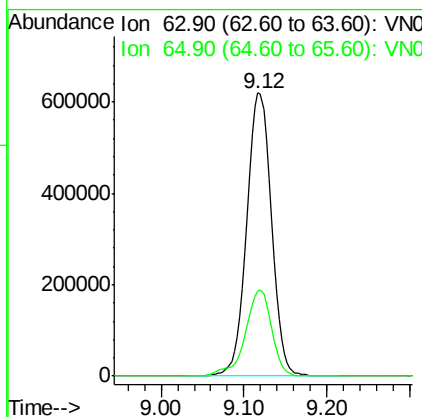
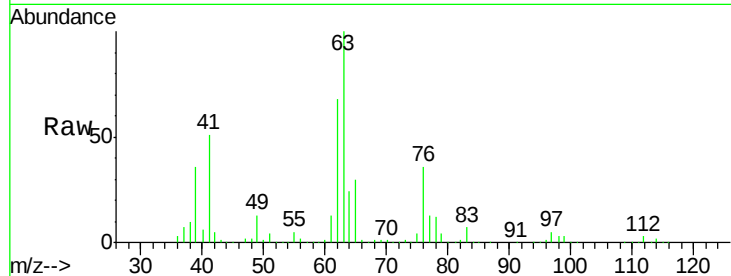
#45
 1,2-Dichloropropane
 Concen: 149.824 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1286435
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

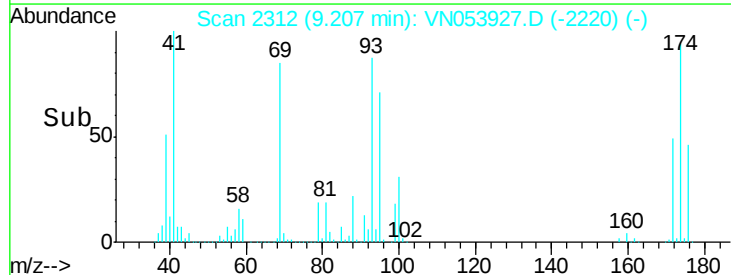
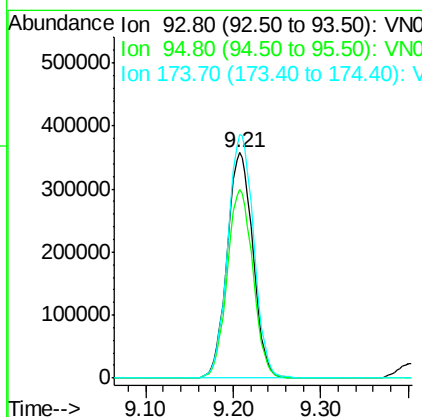
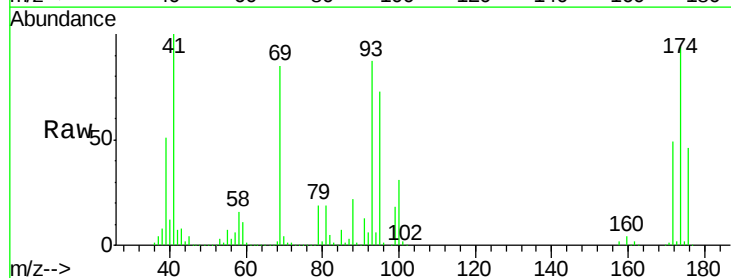
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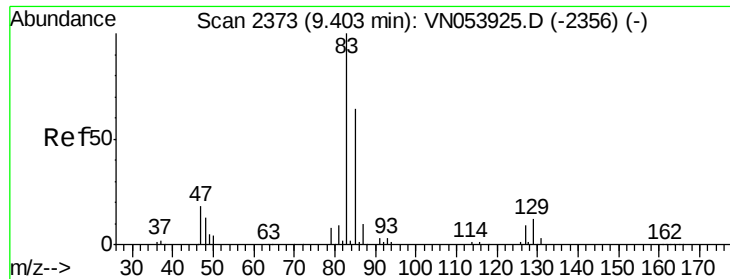
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#46
 Dibromomethane
 Concen: 146.901 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion: 93 Resp: 732277
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 108.6 96.2 144.4





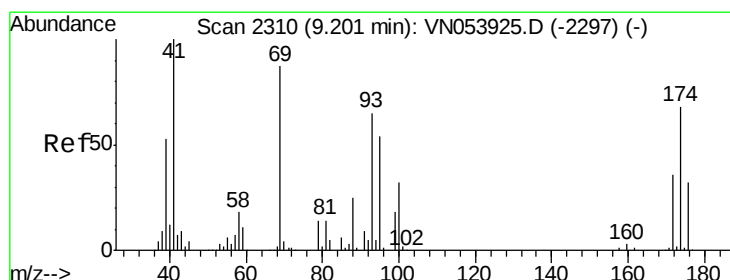
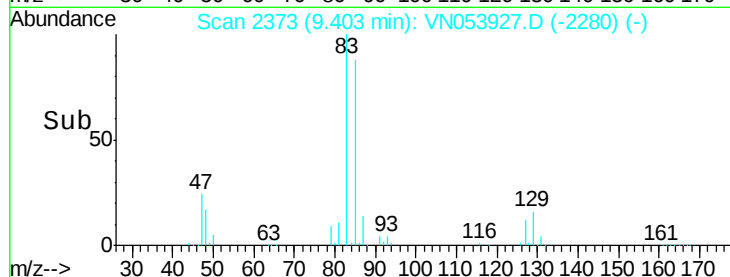
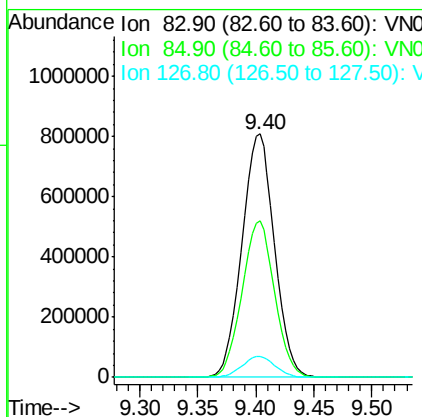
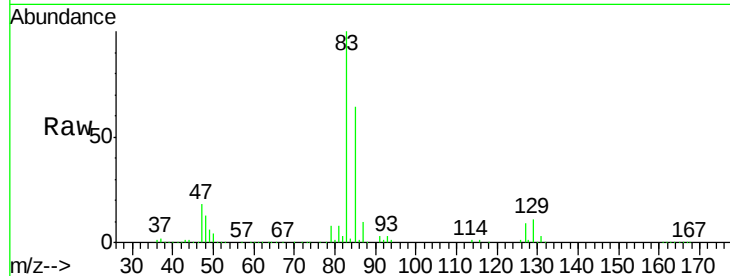
#47
Bromodichloromethane
Concen: 150.295 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1578871
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6
127 8.6 7.4 11.0

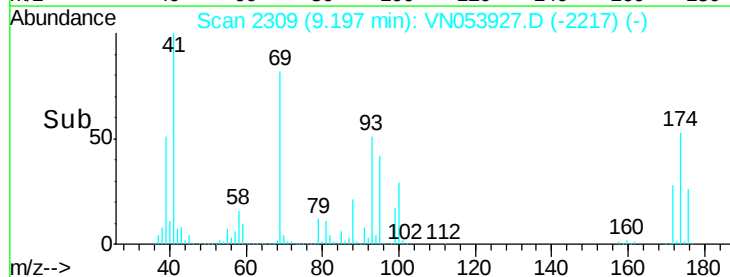
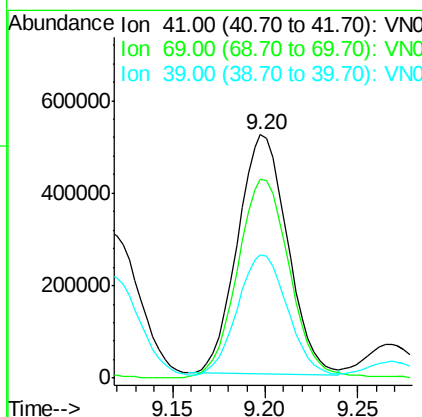
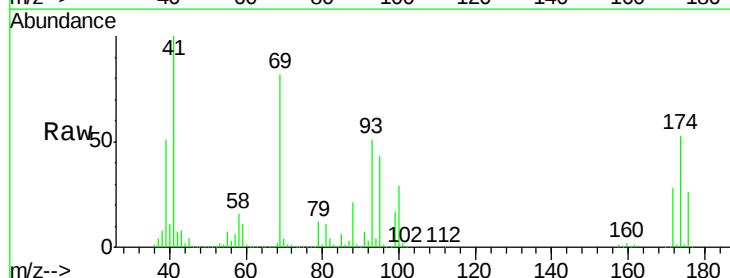
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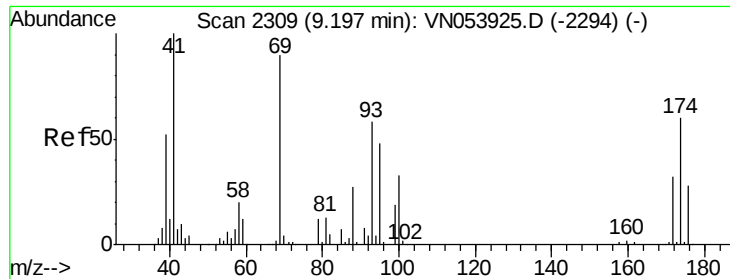
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#48
Methyl methacrylate
Concen: 168.160 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 41 Resp: 966052
Ion Ratio Lower Upper
41 100
69 86.8 74.8 112.2
39 53.3 39.0 58.6





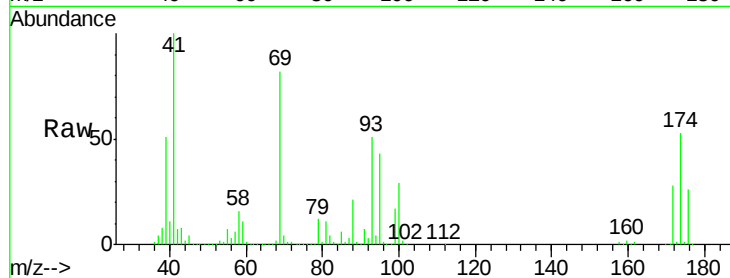
#49
1,4-Dioxane
Concen: 2997.810 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	21.2	31.8#
58	71.6	54.2	81.2

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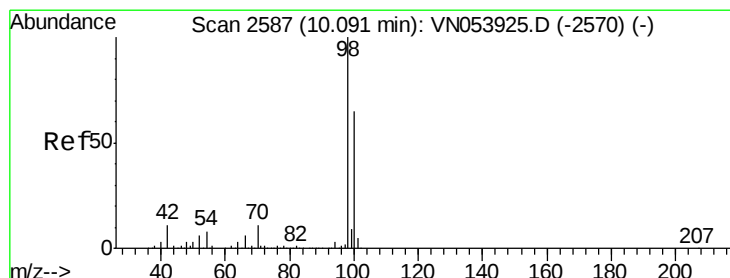
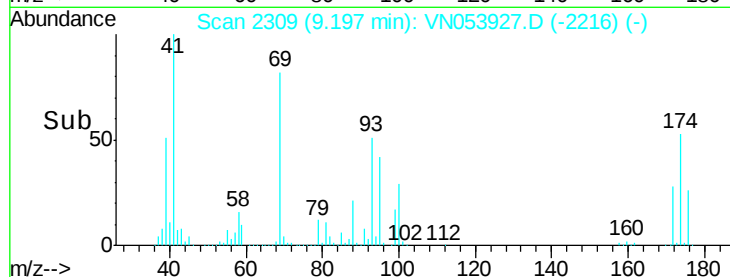
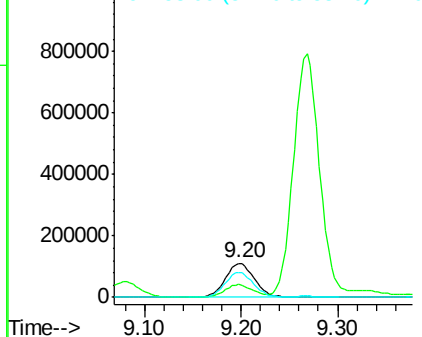


Abundance

Ion 88.00 (87.70 to 88.70): VN053927.D (-2216) (-)

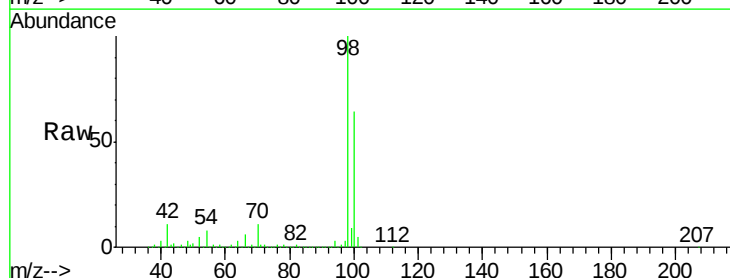
Ion 43.00 (42.70 to 43.70): VN053927.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053927.D (-2216) (-)



#50
Toluene-d8
Concen: 149.453 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

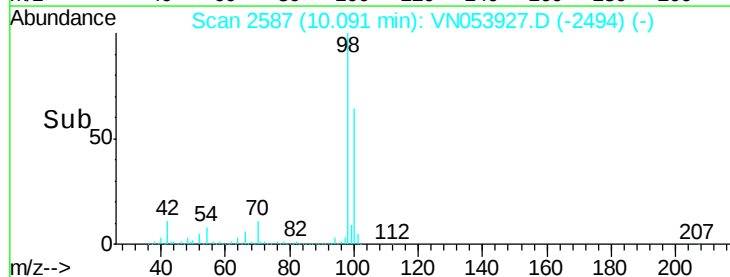
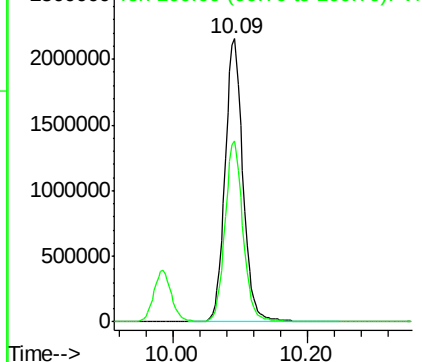
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

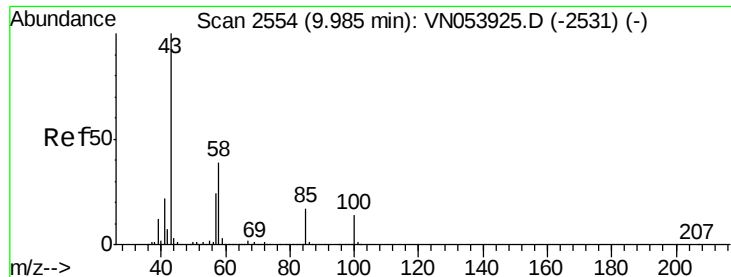


Abundance

Ion 98.00 (97.70 to 98.70): VN053927.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053927.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 806.007 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5172941

Ion Ratio Lower Upper

43 100

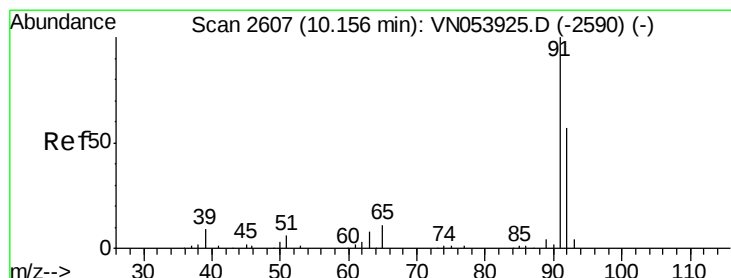
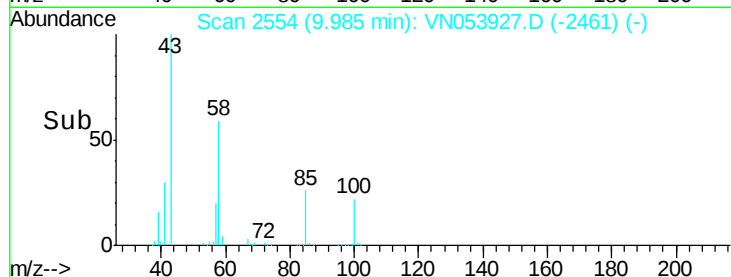
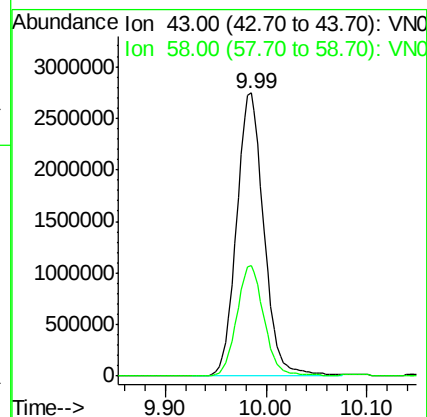
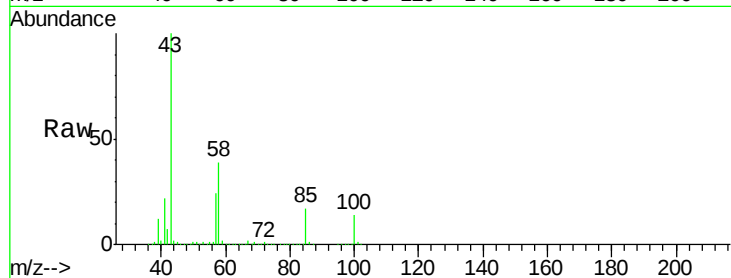
58 39.0 32.7 49.1

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#52

Toluene

Concen: 153.576 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053927.D

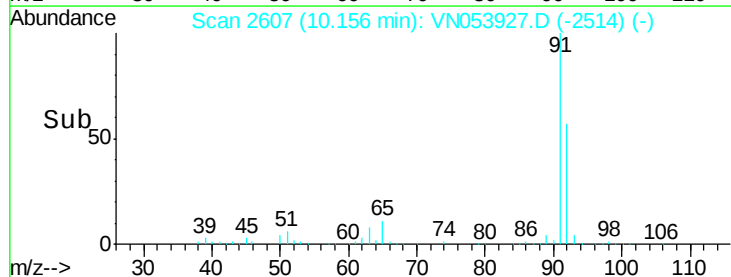
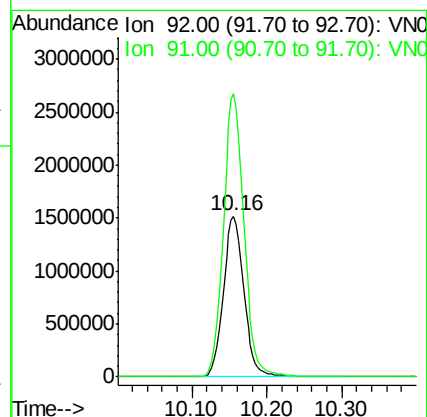
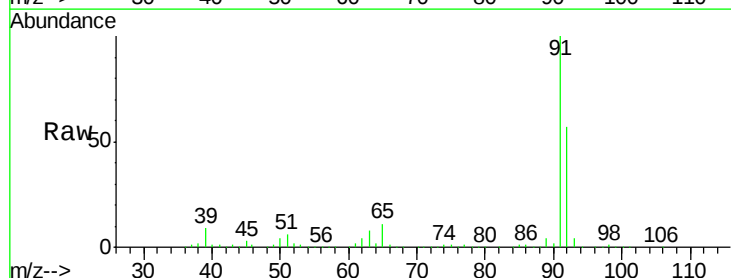
Acq: 25 Feb 2019 13:57

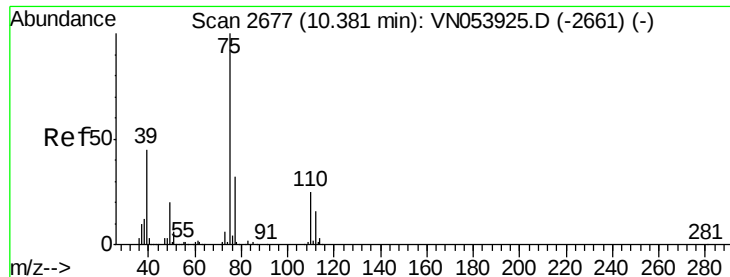
Tgt Ion: 92 Resp: 2877979

Ion Ratio Lower Upper

92 100

91 175.7 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 168.243 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1719695

Ion Ratio Lower Upper

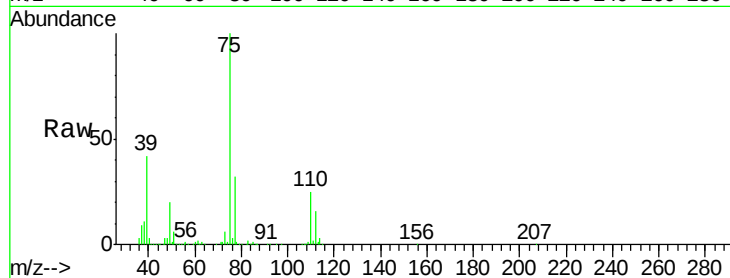
75 100

77 31.6 25.0 37.6

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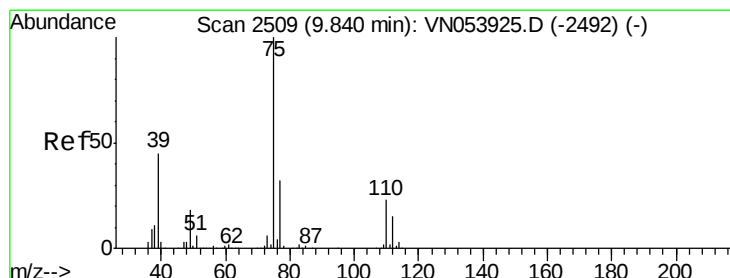
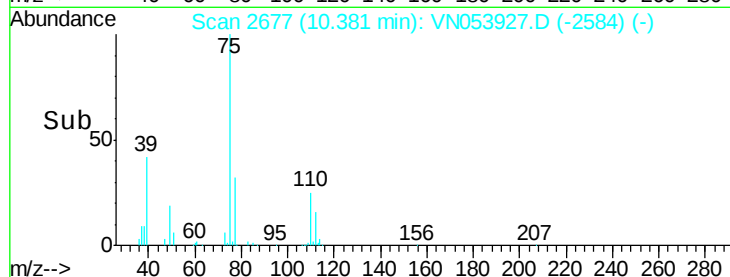
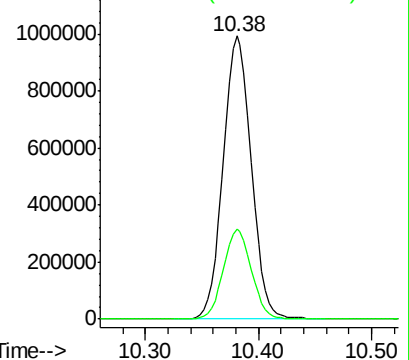
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 161.363 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

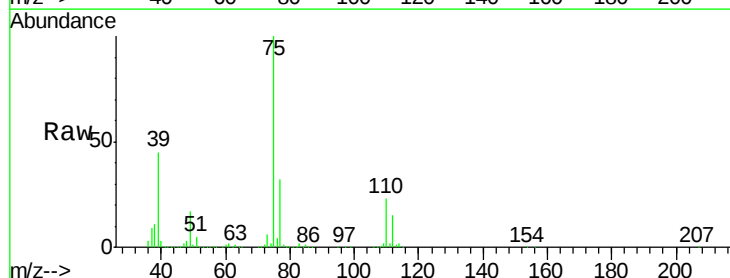
Tgt Ion: 75 Resp: 1944405

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

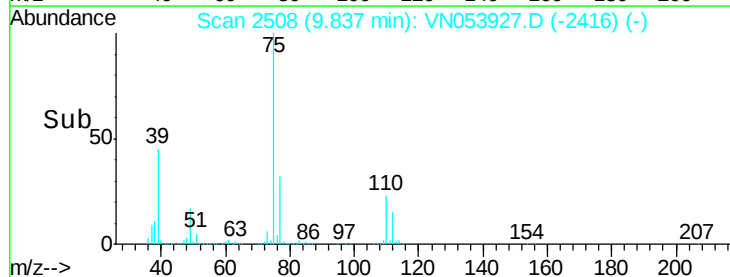
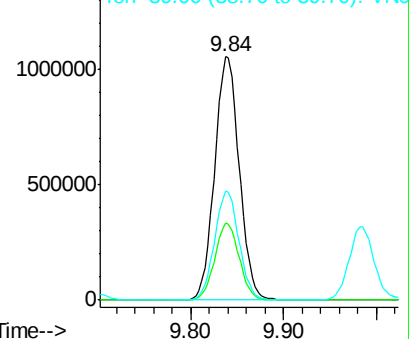
39 44.7 31.4 47.0

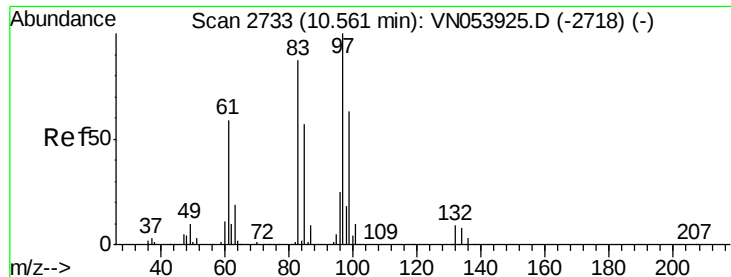


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





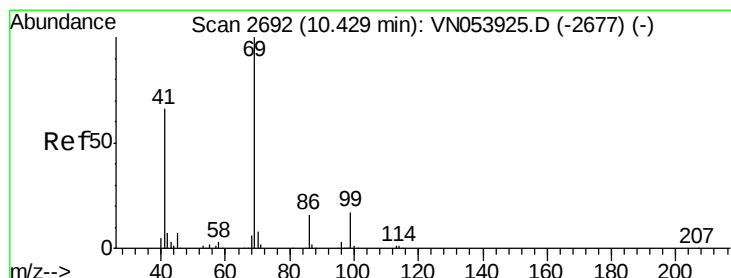
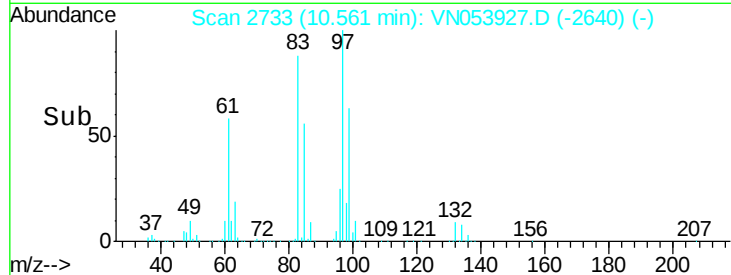
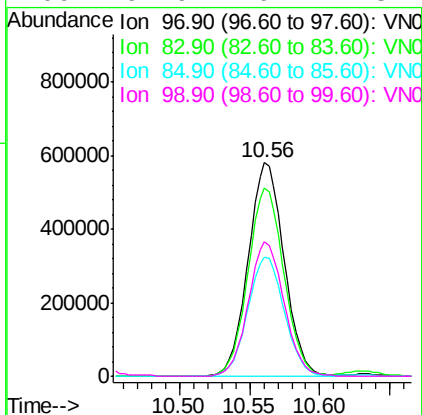
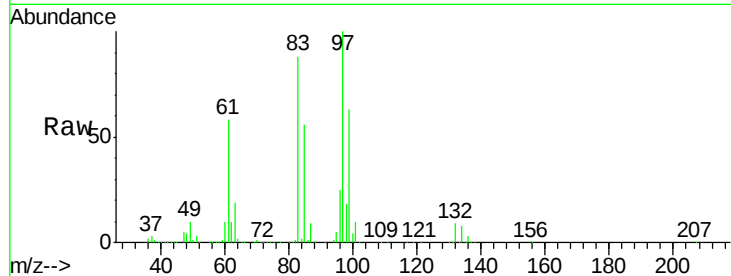
#55
 1,1,2-Trichloroethane
 Concen: 147.847 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.1	69.5	104.3	
85	55.9	45.9	68.9	
99	62.6	49.1	73.7	

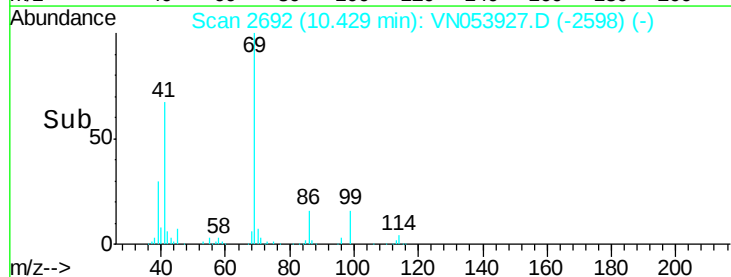
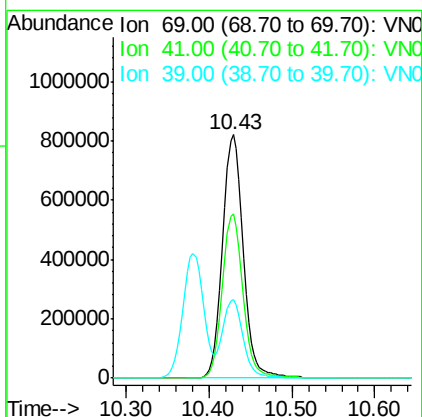
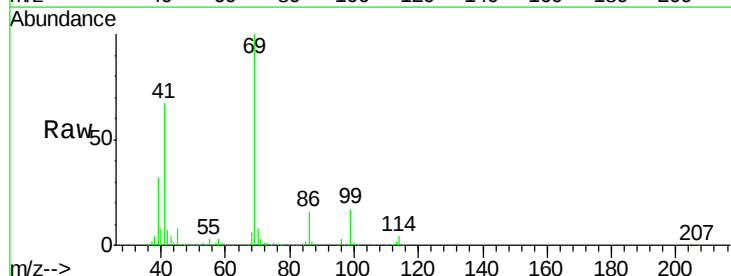
Manual Integrations
 APPROVED

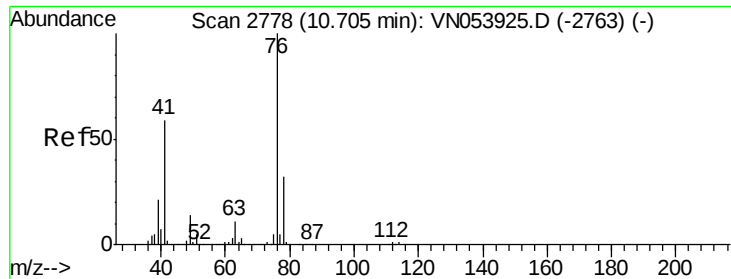
MMDadoda
 2/28/2019 10:48:17 AM



#56
 Ethyl methacrylate
 Concen: 173.440 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.4	47.5	71.3	
39	31.8	23.4	35.0	





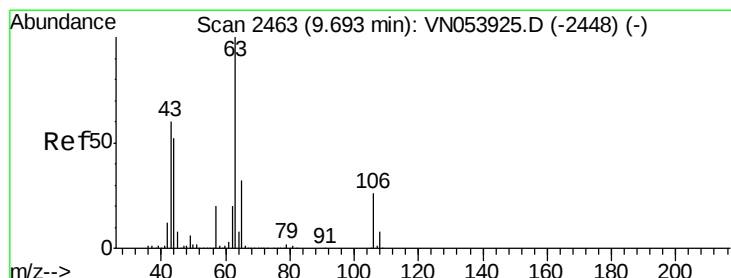
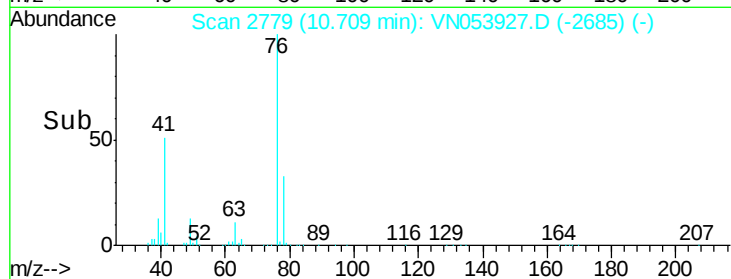
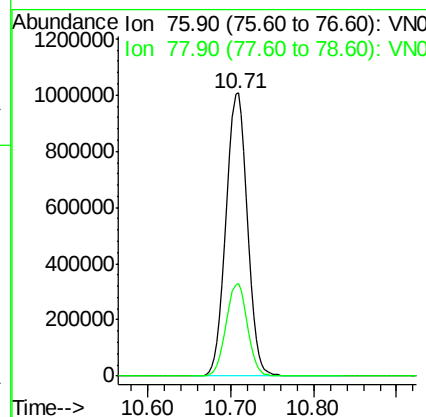
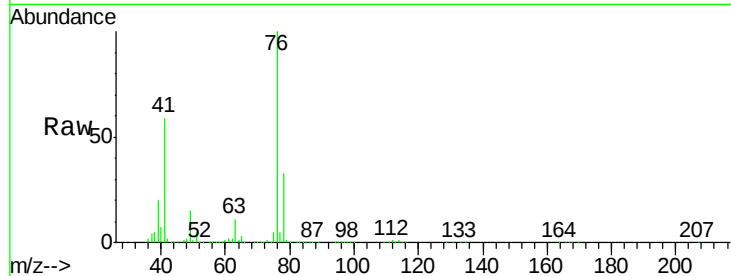
#57
 1,3-Dichloropropane
 Concen: 151.690 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1793731
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

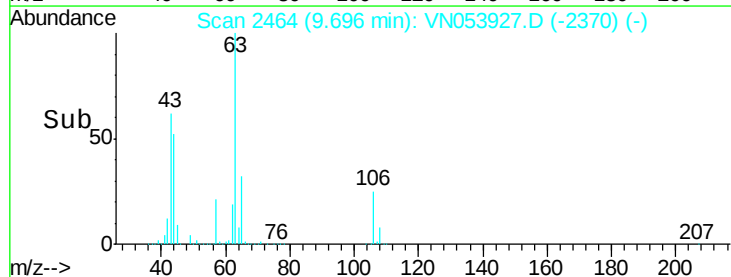
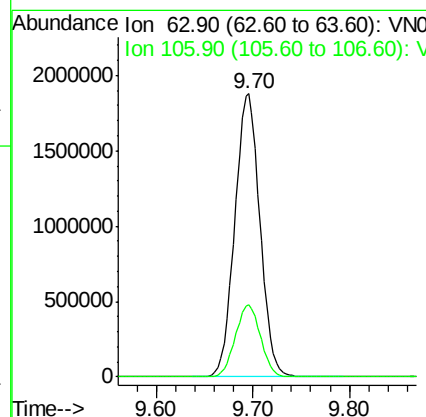
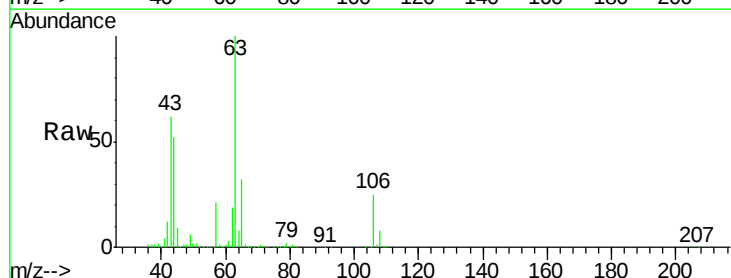
Manual Integrations
 APPROVED

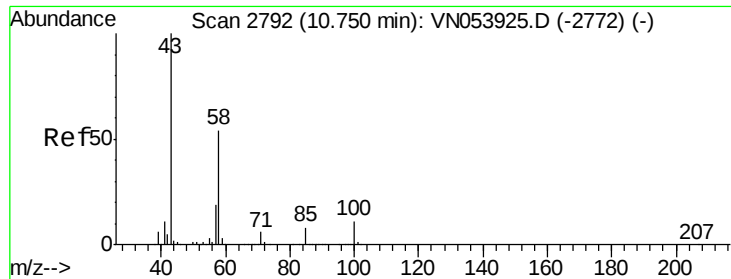
MMDadoda
 2/28/2019 10:48:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 935.011 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion: 63 Resp: 3380680
 Ion Ratio Lower Upper
 63 100
 106 25.6 22.2 33.2





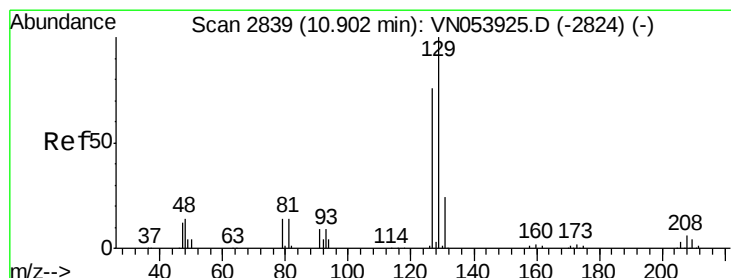
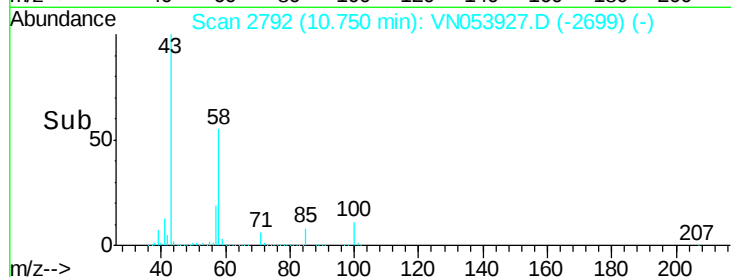
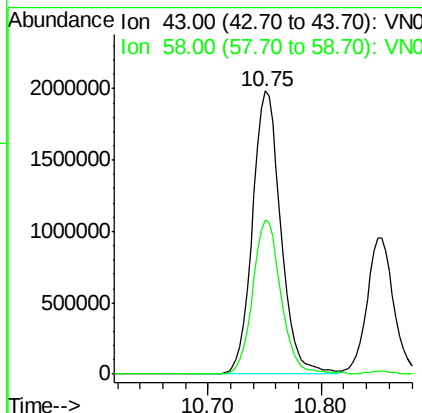
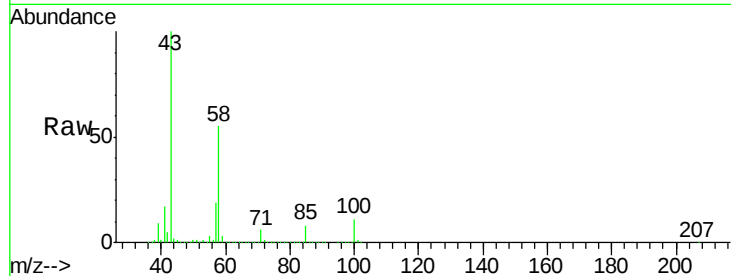
#59
2-Hexanone
Concen: 826.554 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3450153
Ion Ratio Lower Upper
43 100
58 54.7 29.1 87.4

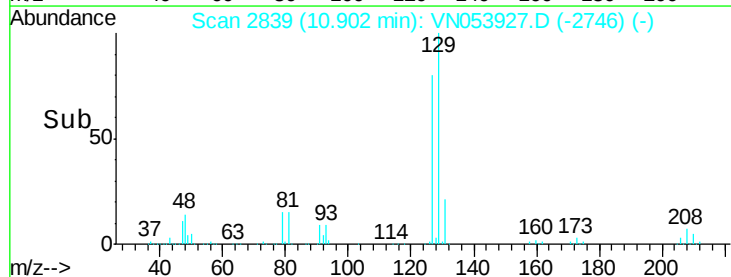
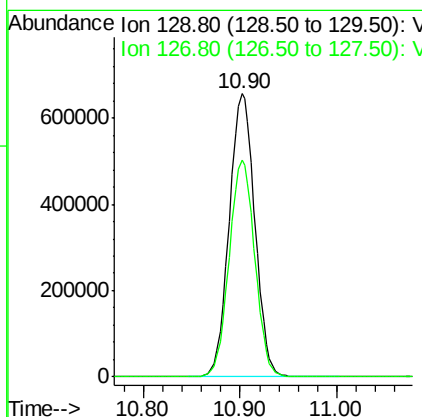
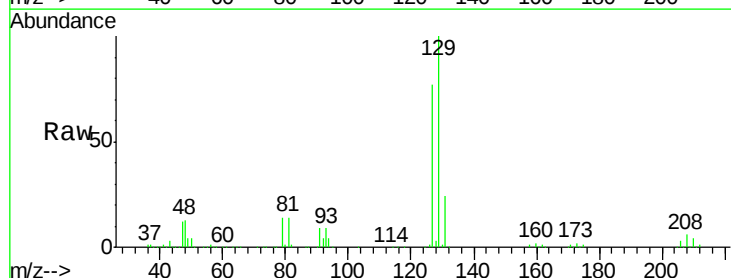
Manual Integrations
APPROVED

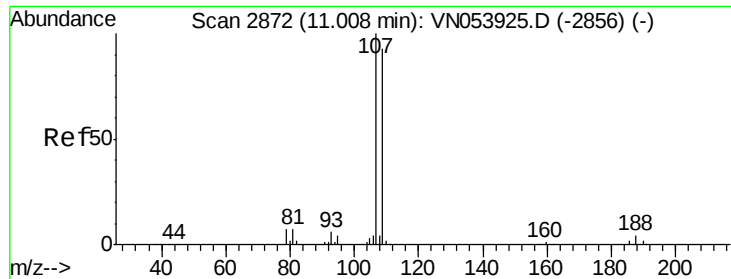
MMDadoda
2/28/2019 10:48:17 AM



#60
Dibromochloromethane
Concen: 154.782 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 129 Resp: 1203885
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 154.870 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1045559

Ion Ratio Lower Upper

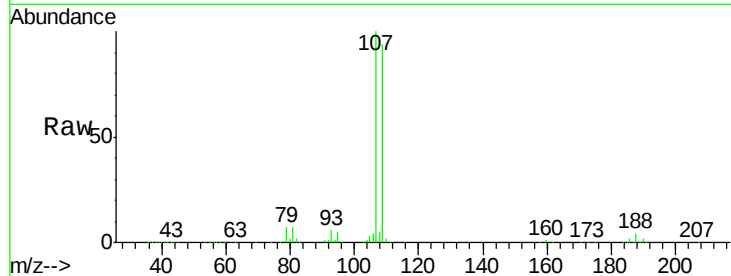
107 100

109 94.0 76.3 114.5

Manual Integrations
APPROVED

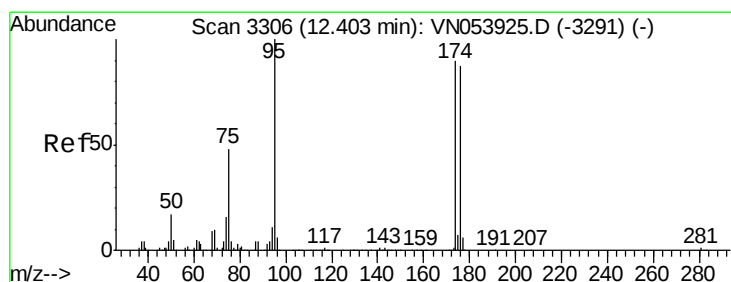
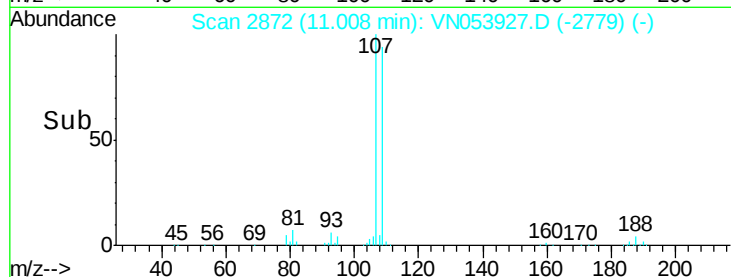
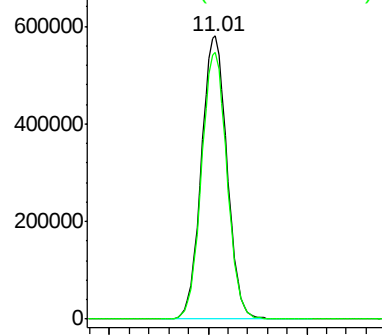
MMDadoda

2/28/2019 10:48:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 155.376 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

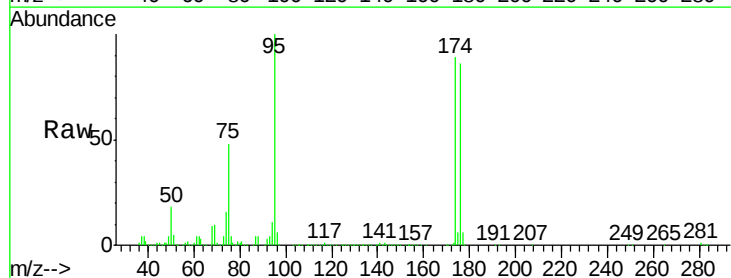
Tgt Ion: 95 Resp: 1388178

Ion Ratio Lower Upper

95 100

174 89.2 0.0 188.8

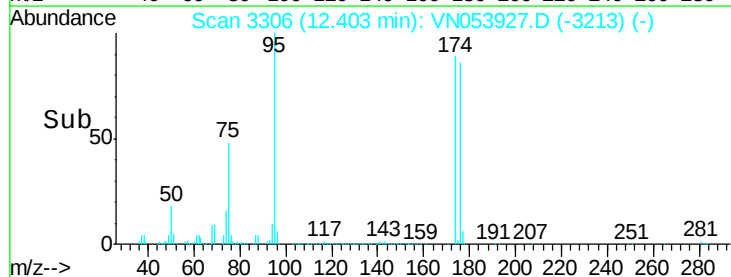
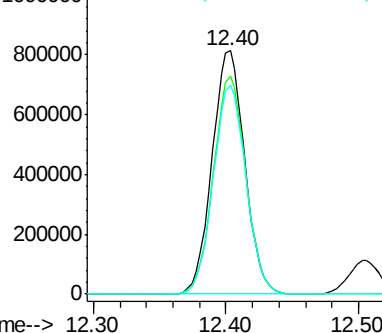
176 86.0 0.0 182.6

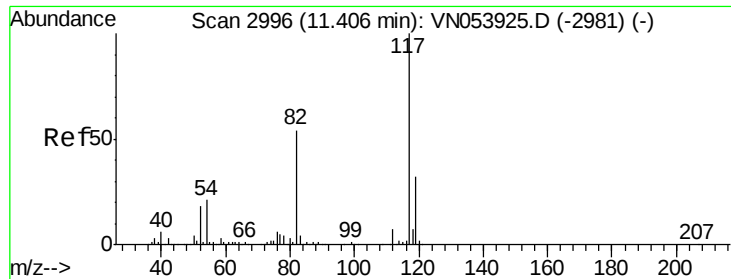


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1015549

Ion Ratio Lower Upper

117 100

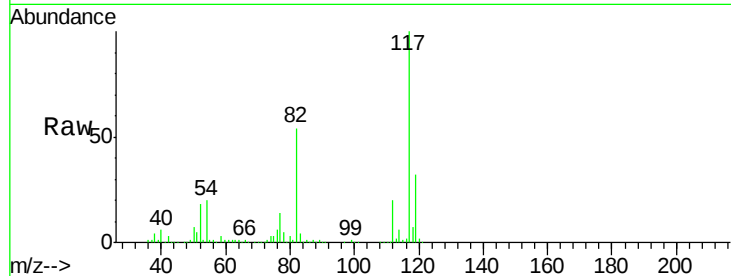
82 54.1 41.4 62.2

119 32.1 25.3 37.9

Manual Integrations
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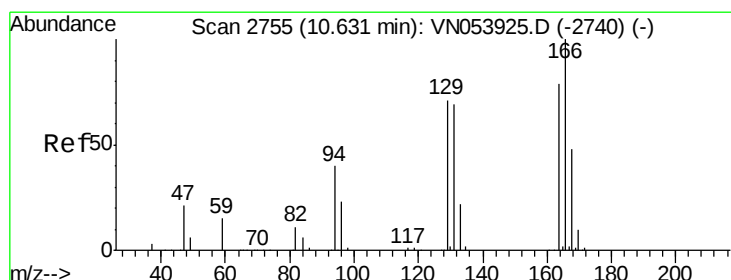
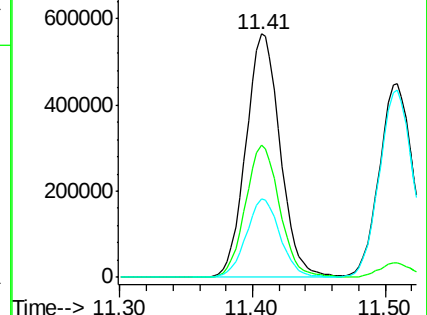
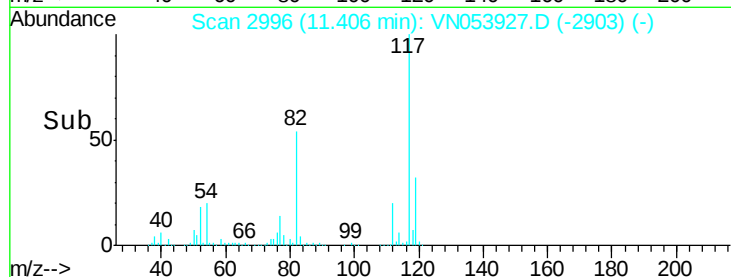
2/28/2019 10:48:17 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 135.888 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Tgt Ion:164 Resp: 1168566

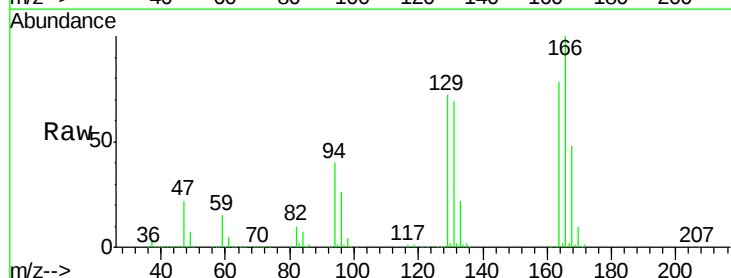
Ion Ratio Lower Upper

164 100

166 127.8 102.6 153.8

129 91.7 69.4 104.0

131 88.0 68.1 102.1

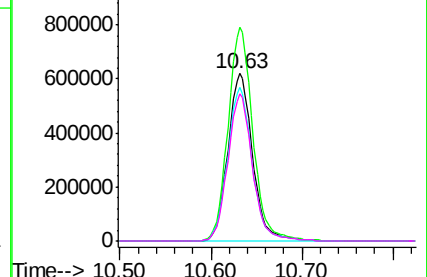
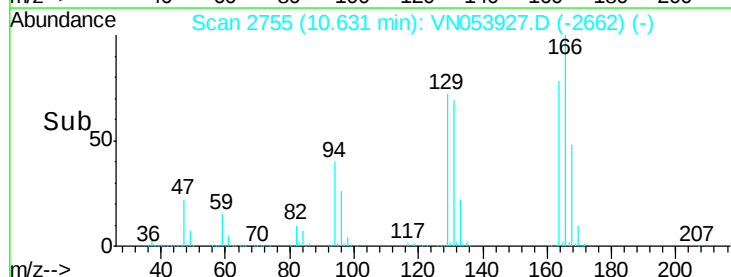


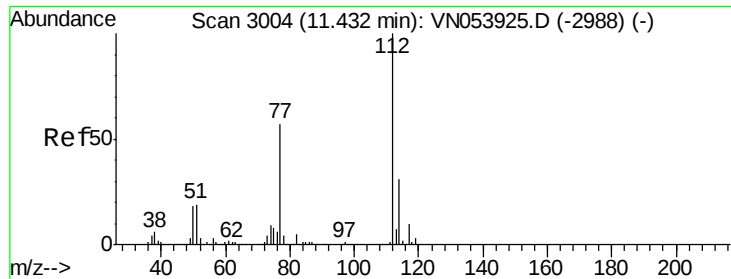
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





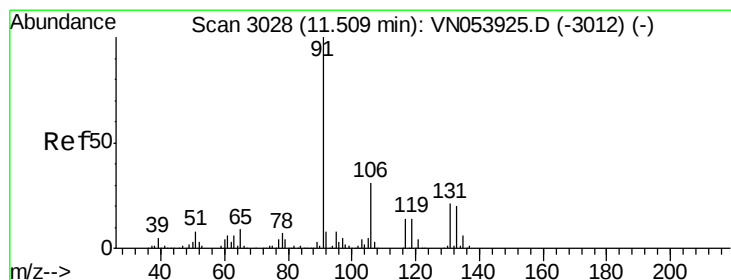
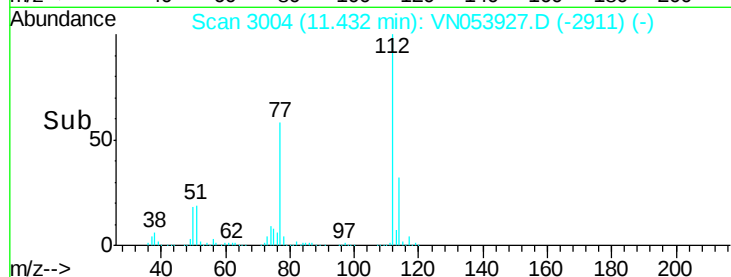
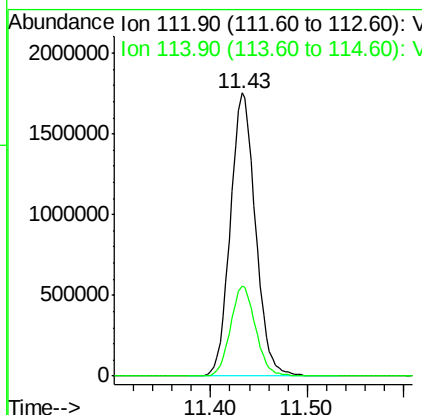
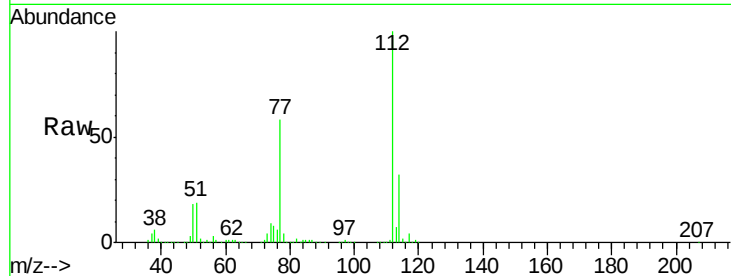
#65
Chlorobenzene
Concen: 147.453 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3160335
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

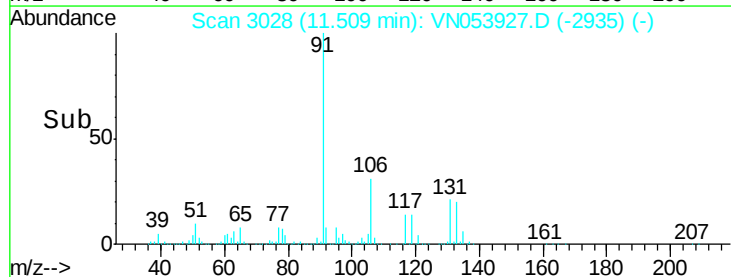
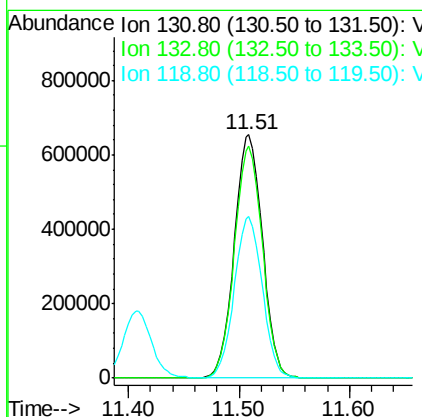
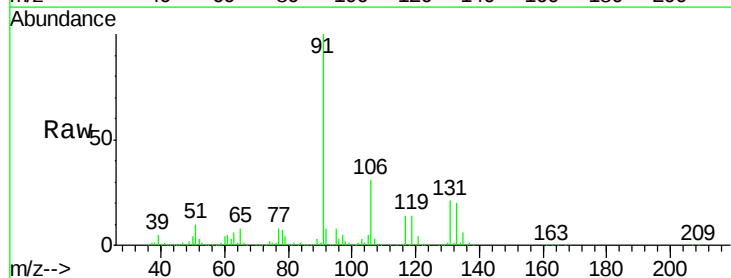
Manual Integrations
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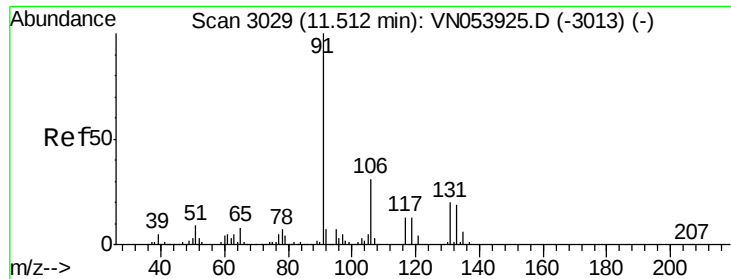
MMDadoda
2/28/2019 10:48:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 149.676 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion:131 Resp: 1156167
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 66.2 33.1 99.3





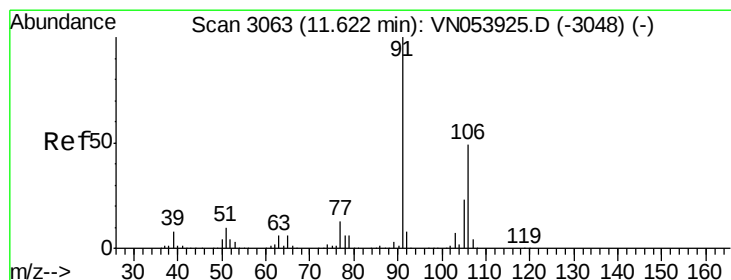
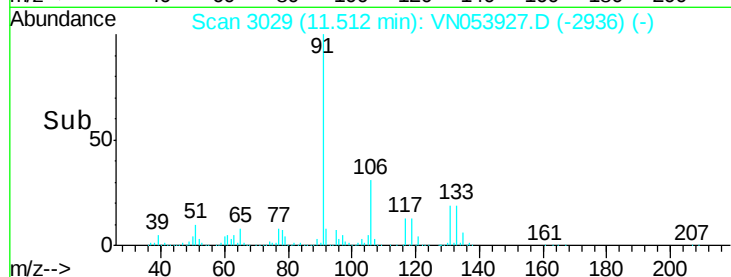
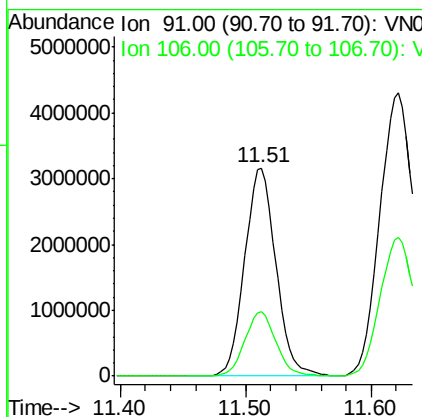
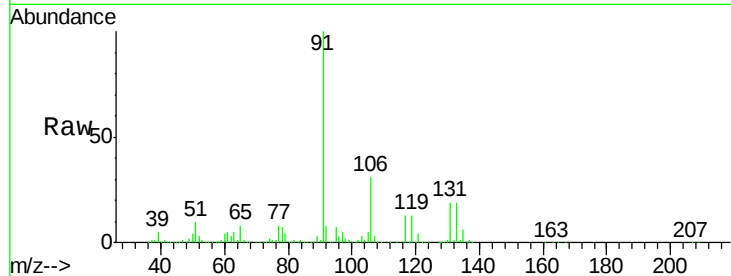
#67
Ethyl Benzene
Concen: 153.065 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5499708
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

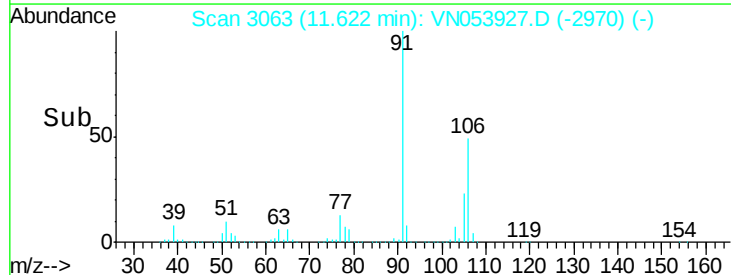
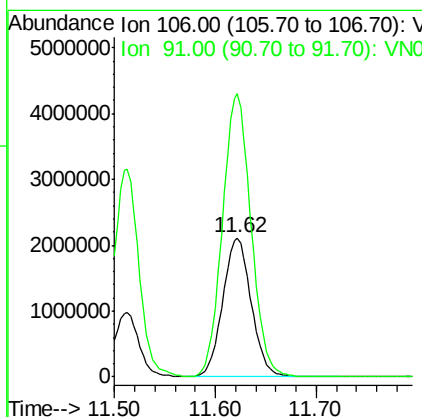
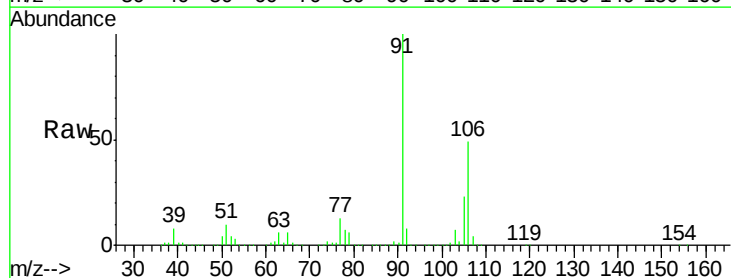
Manual Integrations
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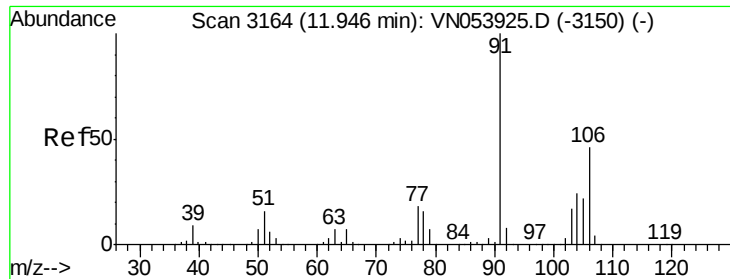
MMDadoda
2/28/2019 10:48:17 AM



#68
m/p-Xylenes
Concen: 306.539 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 106 Resp: 4156993
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3





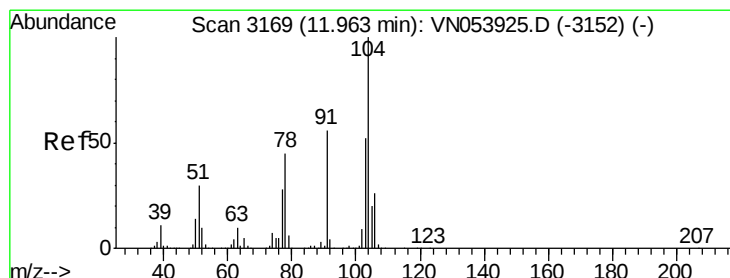
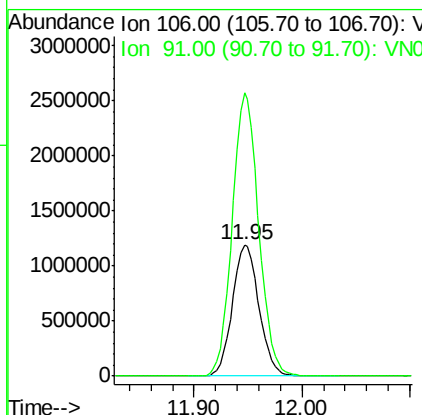
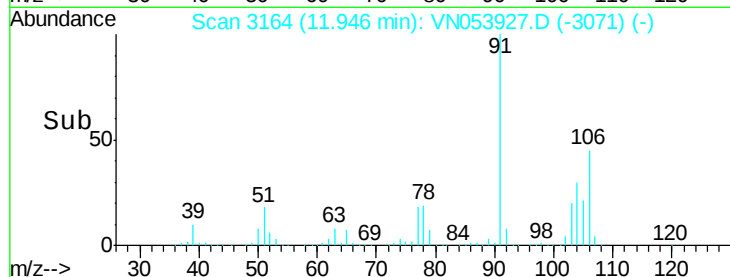
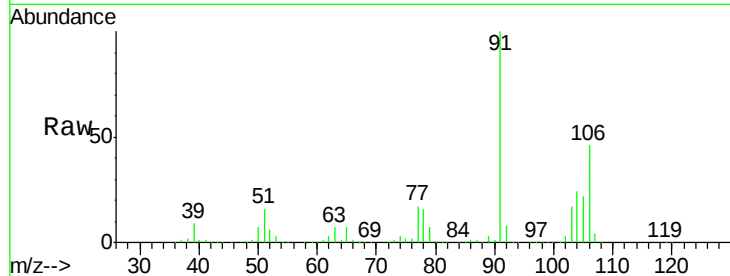
#69
o-Xylene
Concen: 152.482 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 2031786
Ion Ratio Lower Upper
106 100
91 214.6 106.0 318.0

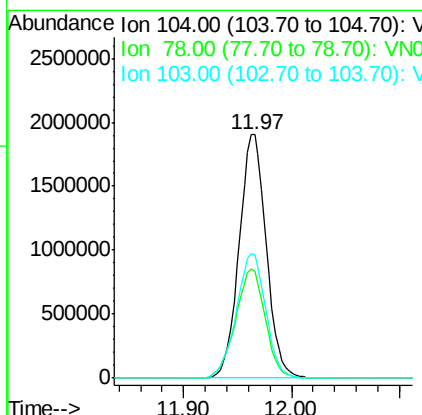
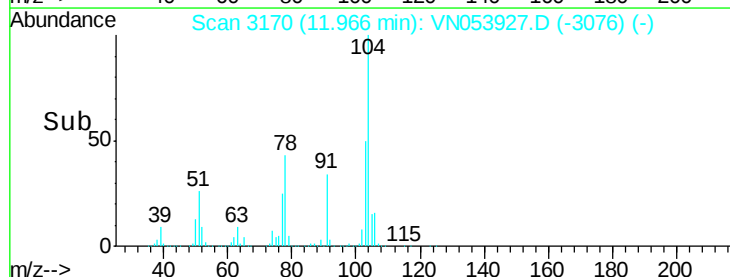
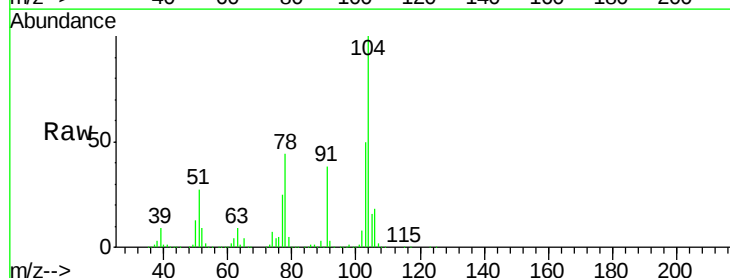
Manual Integrations
APPROVED

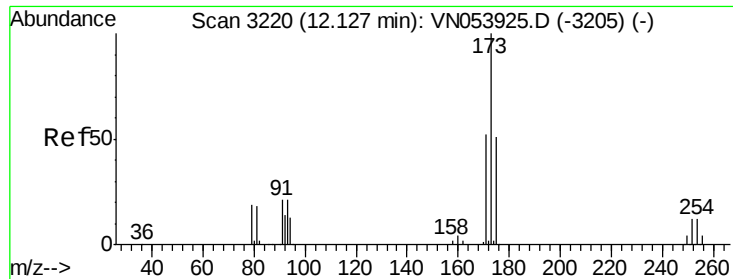
MMDadoda
2/28/2019 10:48:17 AM



#70
Styrene
Concen: 162.907 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion:104 Resp: 3338780
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.5 44.6 67.0





#71

Bromoform

Concen: 157.256 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 845064

Ion Ratio Lower Upper

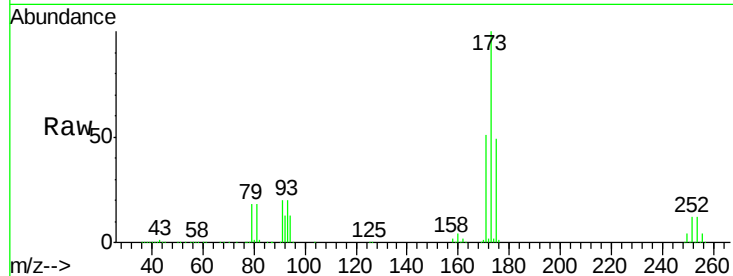
173 100

175 49.0 24.3 72.8

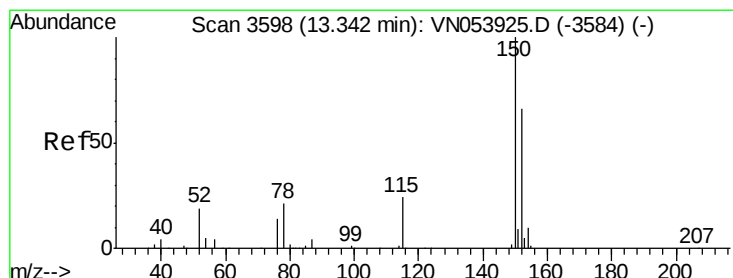
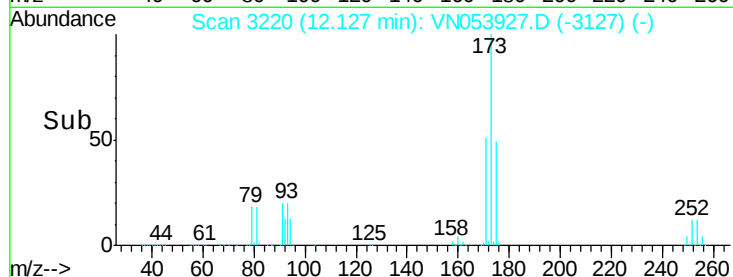
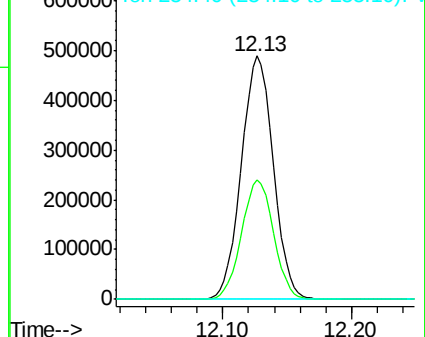
254 0.2 0.2 0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

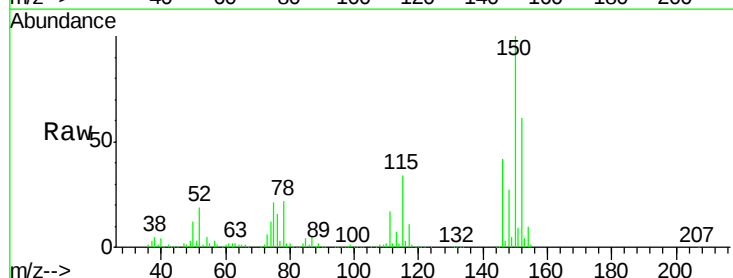
Tgt Ion:152 Resp: 483967

Ion Ratio Lower Upper

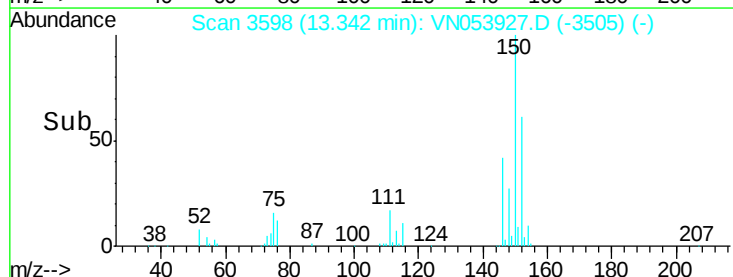
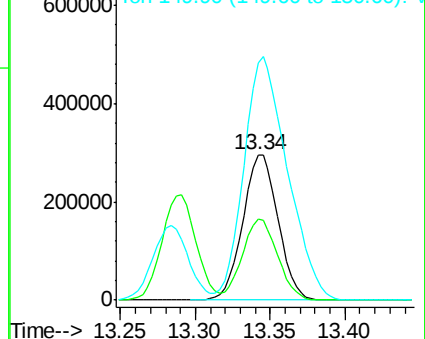
152 100

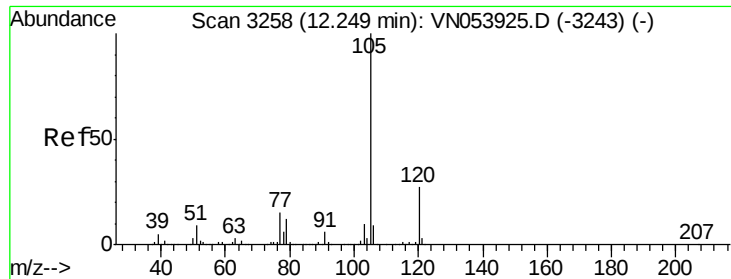
115 55.6 27.2 81.6

150 207.2 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





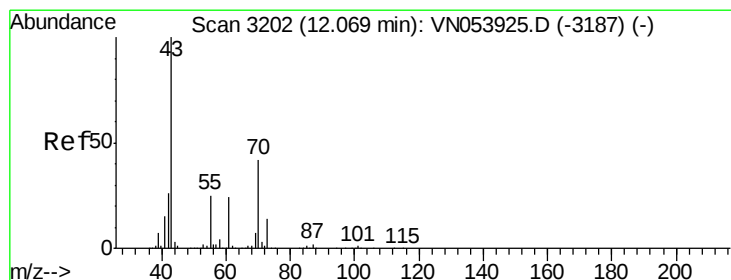
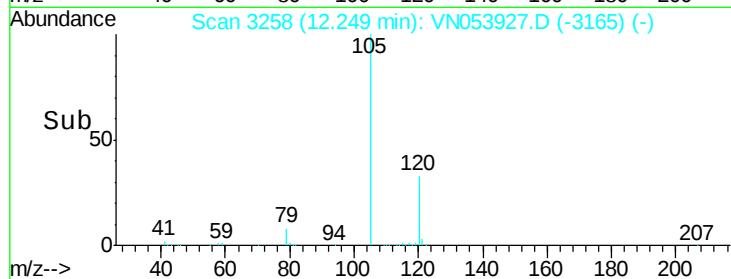
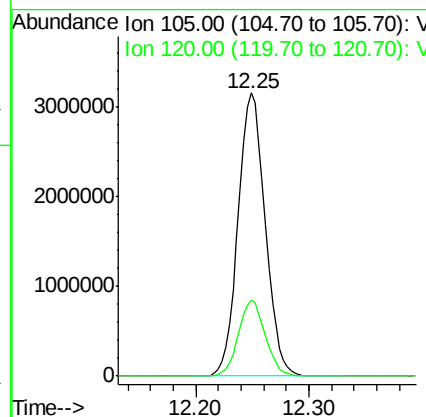
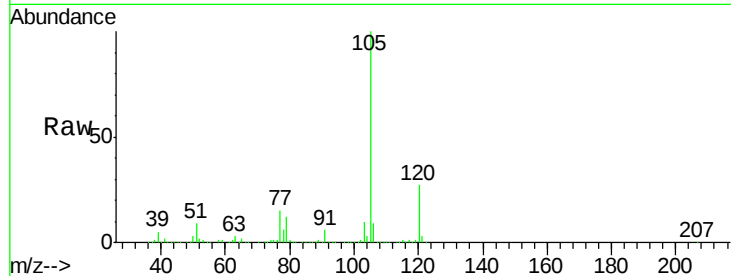
#73
Isopropylbenzene
Concen: 139.712 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 5263463
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

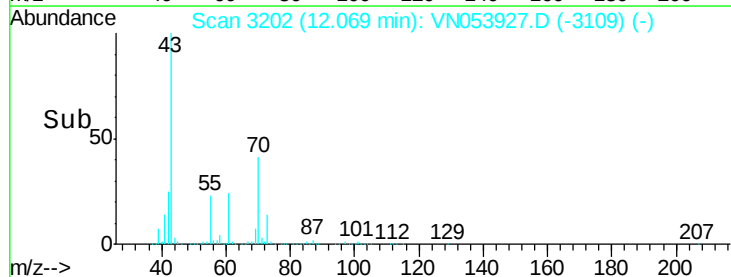
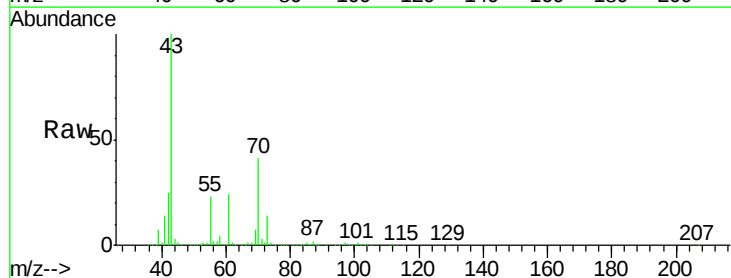
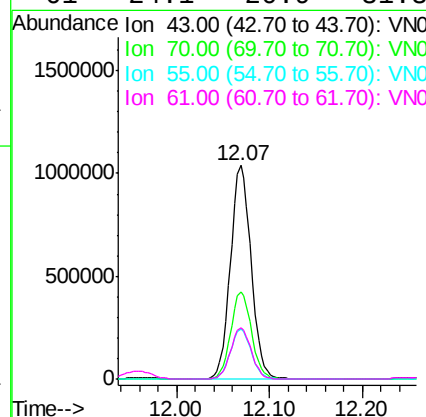
Manual Integrations
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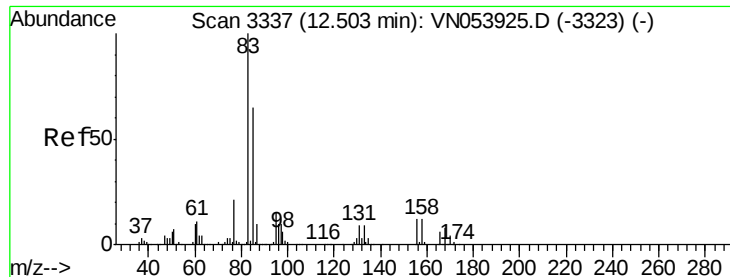
MMDadoda
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#74
N-ethyl acetate
Concen: 162.167 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 43 Resp: 1601257
Ion Ratio Lower Upper
43 100
70 41.1 37.4 56.2
55 23.8 21.4 32.0
61 24.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 135.871 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1280032

Ion Ratio Lower Upper

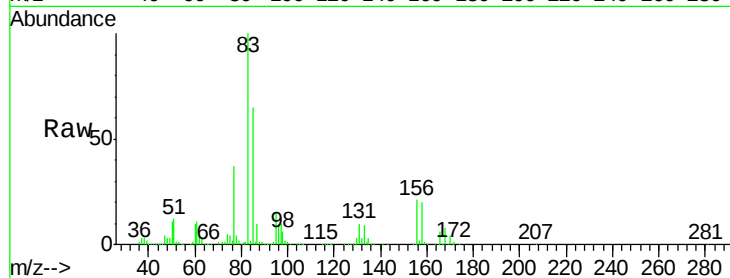
83 100

131 10.2 5.3 16.1

85 64.2 31.9 95.9

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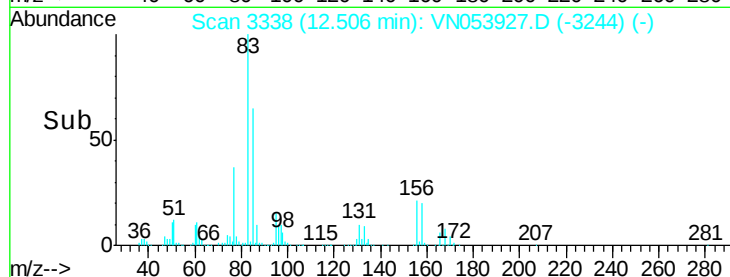


Abundance Ion 82.90 (82.60 to 83.60): VN053927.D (-3337) (-)

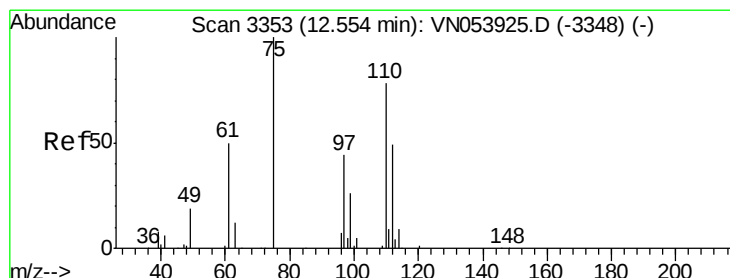
Ion 130.80 (130.50 to 131.50): VN053927.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053927.D (-3337) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 138.254 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053927.D

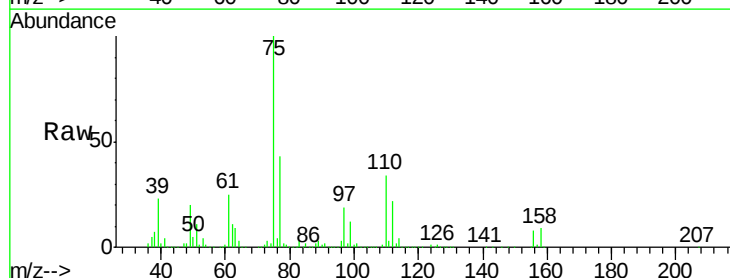
Acq: 25 Feb 2019 13:57

Tgt Ion: 75 Resp: 1073361

Ion Ratio Lower Upper

75 100

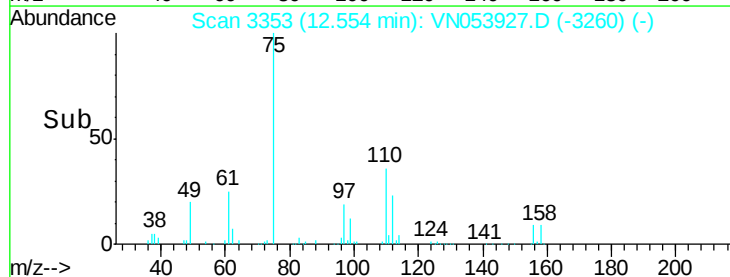
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053927.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053927.D (-3353) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

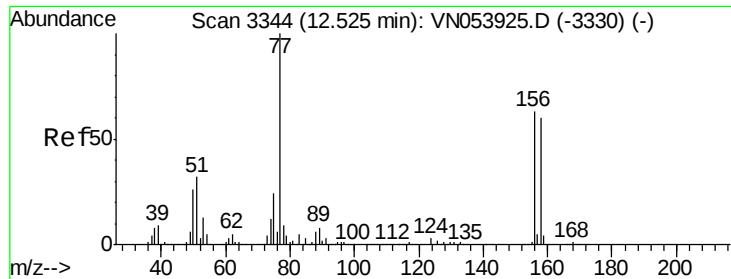
Time-->

Time-->

Time-->

Time-->

Time-->



#77

Bromobenzene

Concen: 142.442 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1362455

Ion Ratio Lower Upper

156 100

77 186.5 84.0 252.2

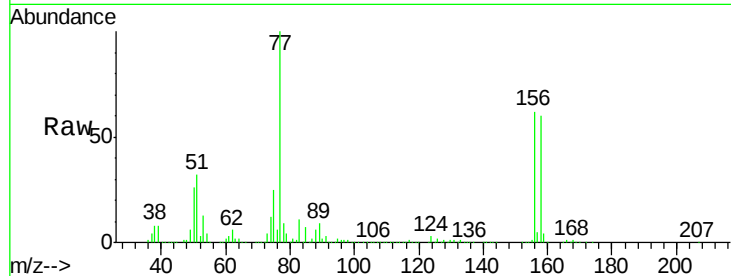
158 97.2 48.5 145.6

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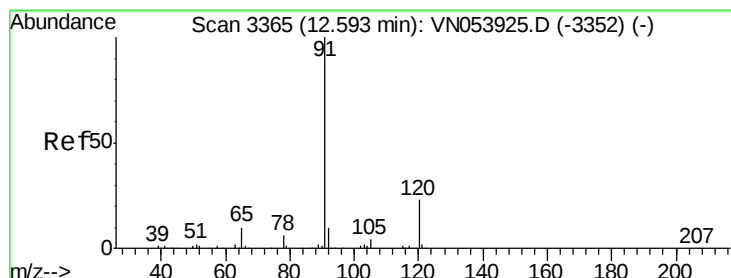
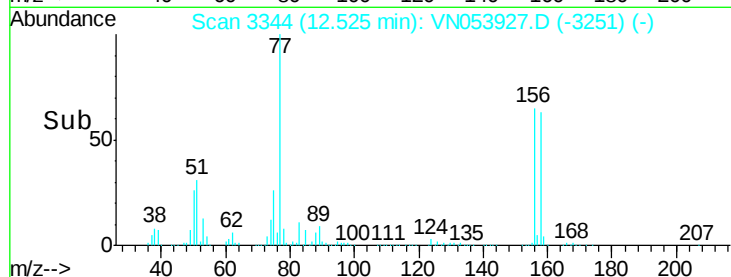
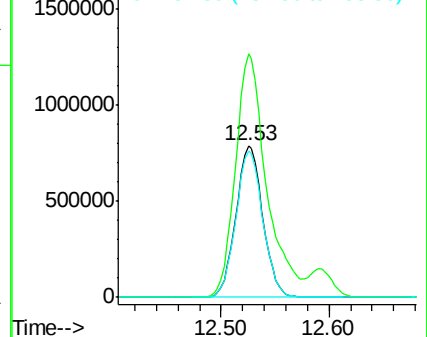
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.722 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053927.D

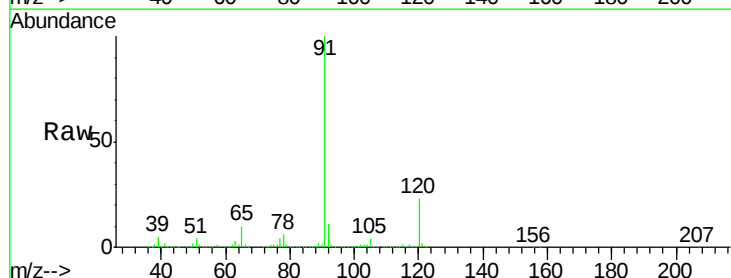
Acq: 25 Feb 2019 13:57

Tgt Ion: 91 Resp: 6243427

Ion Ratio Lower Upper

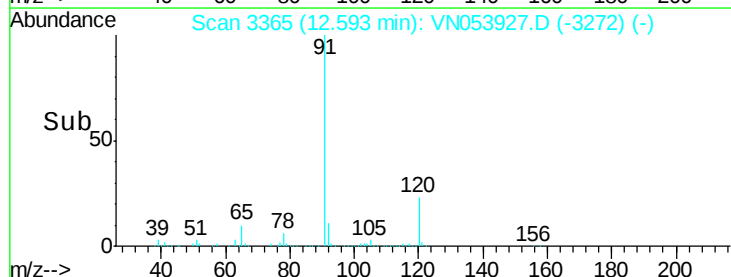
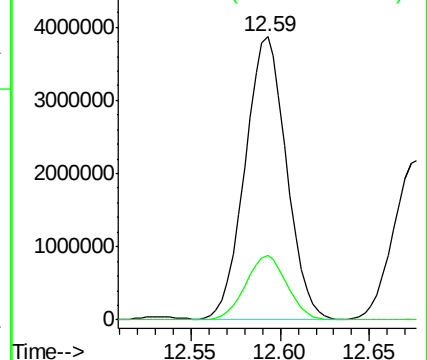
91 100

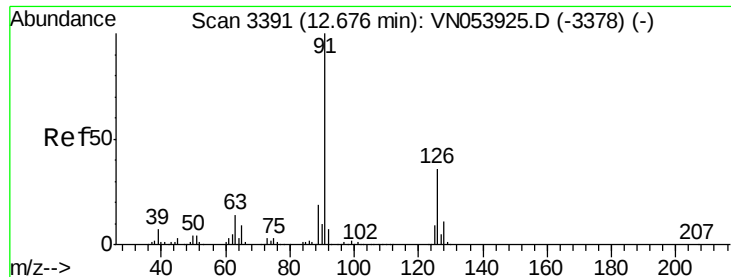
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.639 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3645463

Ion Ratio Lower Upper

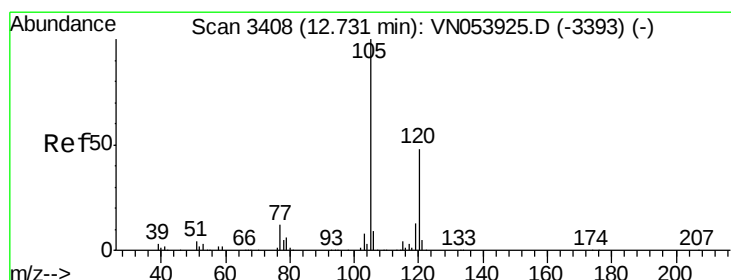
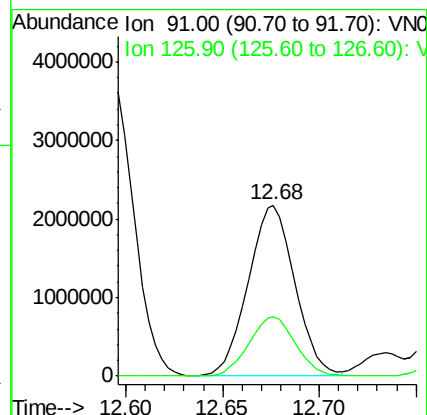
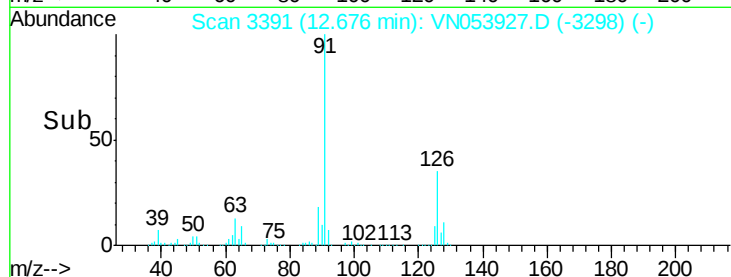
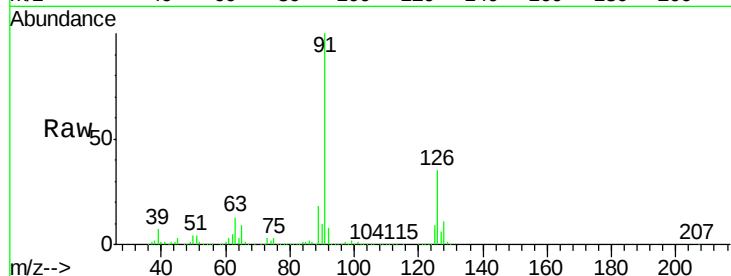
91 100

126 34.9 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 145.407 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053927.D

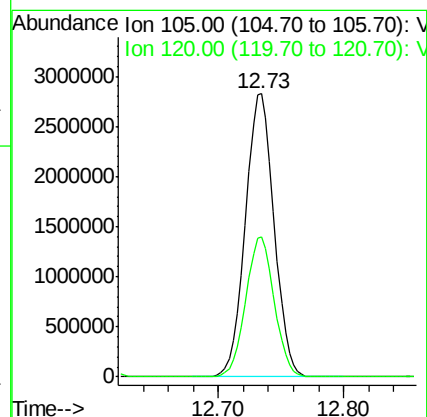
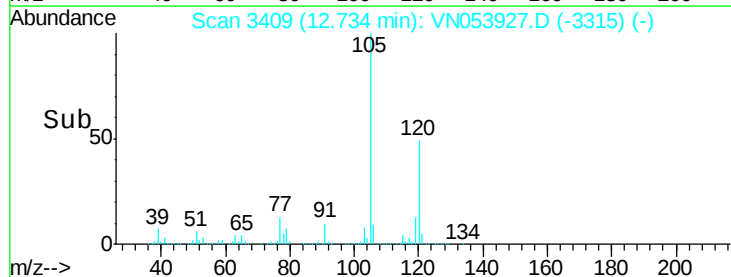
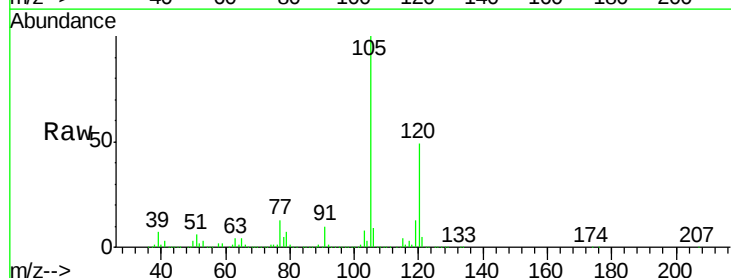
Acq: 25 Feb 2019 13:57

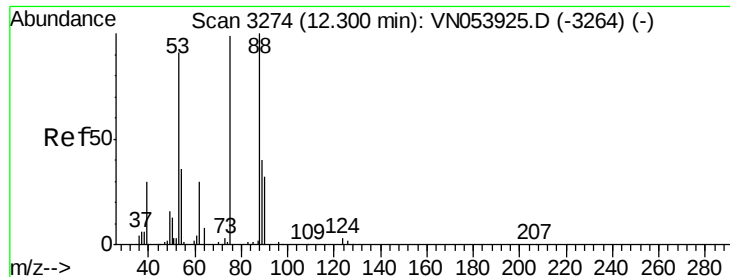
Tgt Ion: 105 Resp: 4484654

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 159.588 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 392009

Ion Ratio Lower Upper

75 100

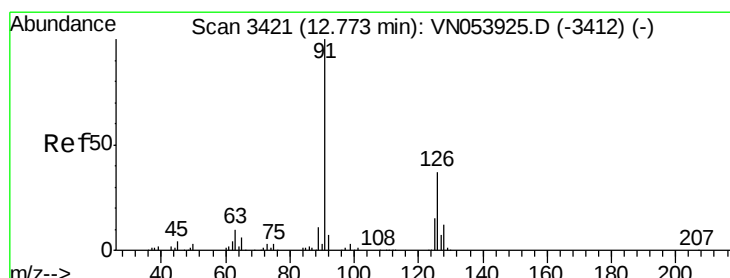
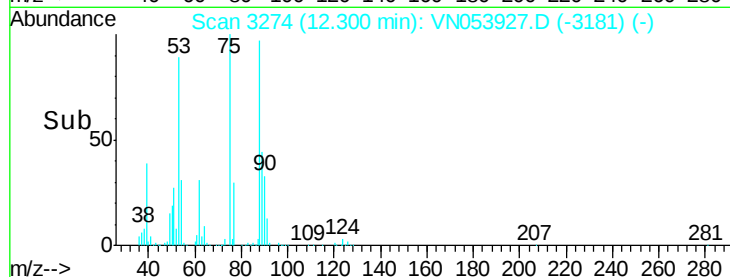
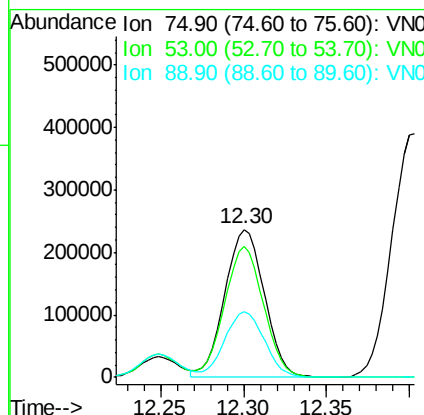
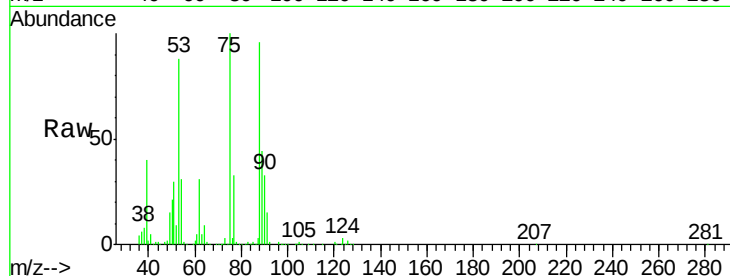
53 88.2 68.6 102.8

89 44.6 35.3 52.9

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#82

4-Chlorotoluene

Concen: 147.065 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053927.D

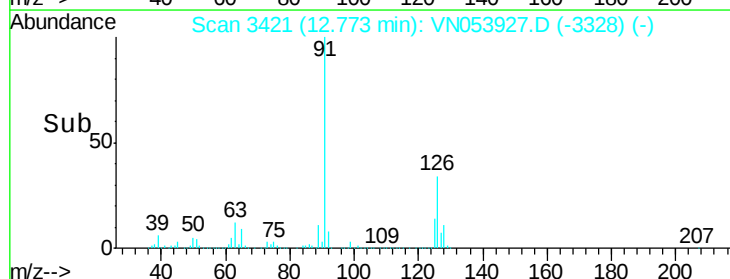
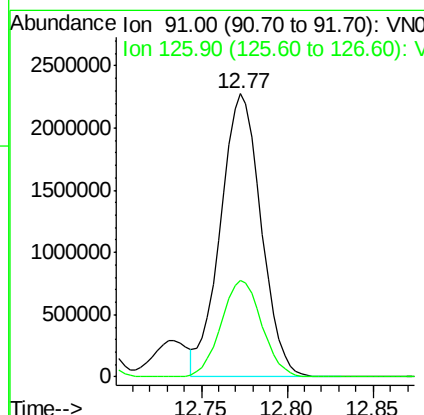
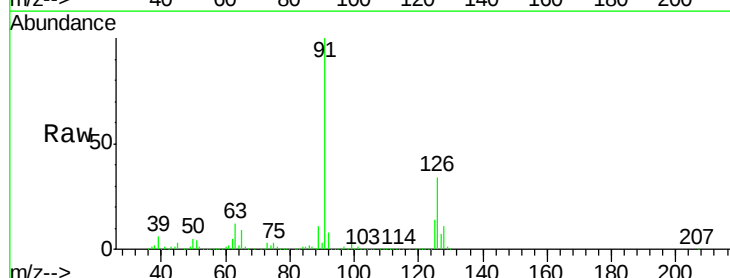
Acq: 25 Feb 2019 13:57

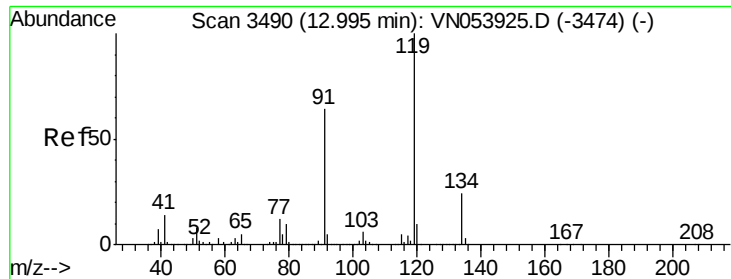
Tgt Ion: 91 Resp: 3740949

Ion Ratio Lower Upper

91 100

126 34.1 18.0 54.0





#83

tert-Butylbenzene

Concen: 143.163 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 3905188

Ion Ratio Lower Upper

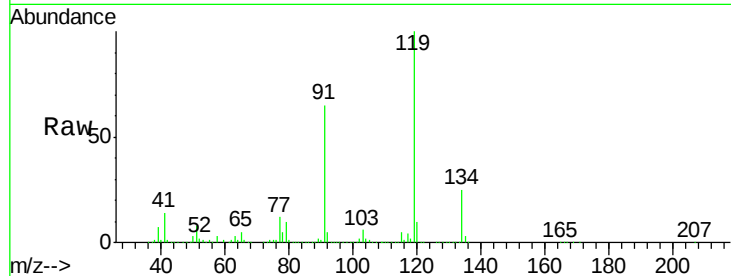
119 100

91 63.5 30.6 91.8

134 26.0 13.0 39.0

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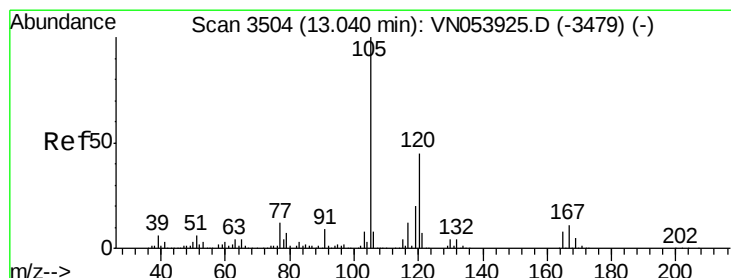
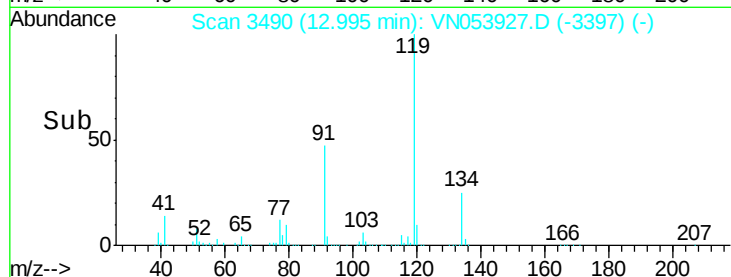
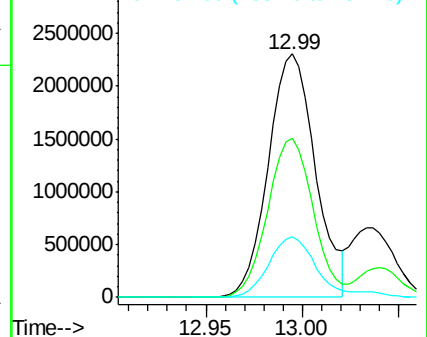
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 147.400 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053927.D

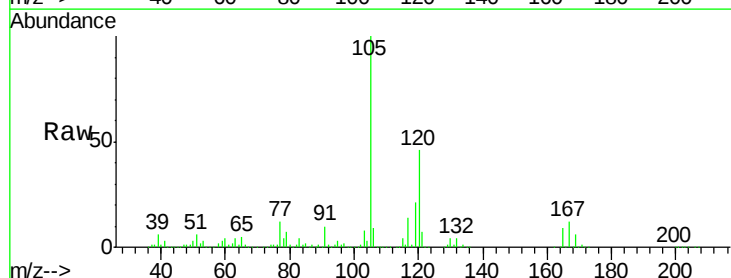
Acq: 25 Feb 2019 13:57

Tgt Ion:105 Resp: 4538585

Ion Ratio Lower Upper

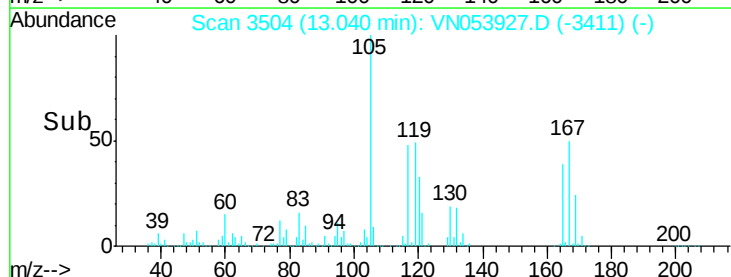
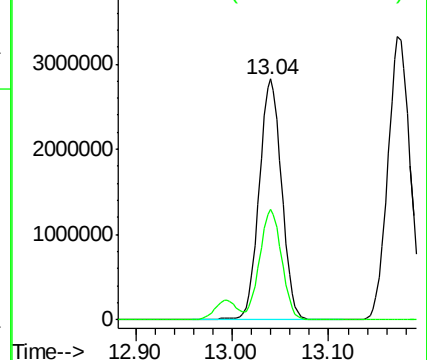
105 100

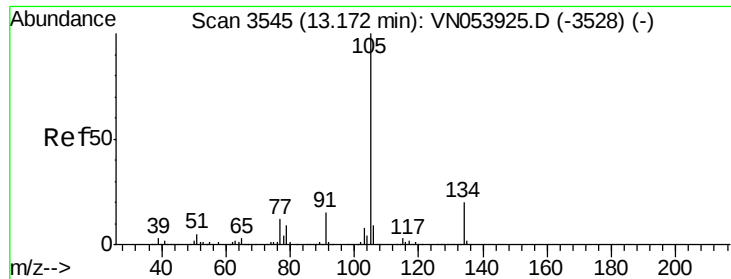
120 45.6 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 142.030 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5291602

Ion Ratio Lower Upper

105 100

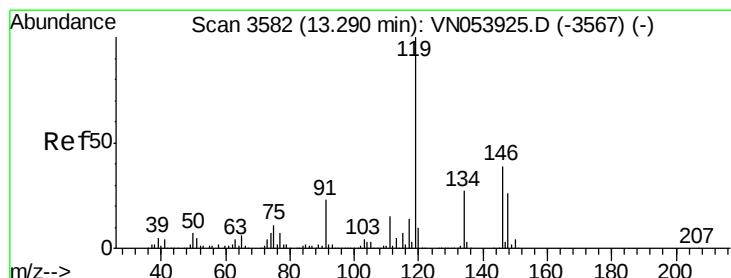
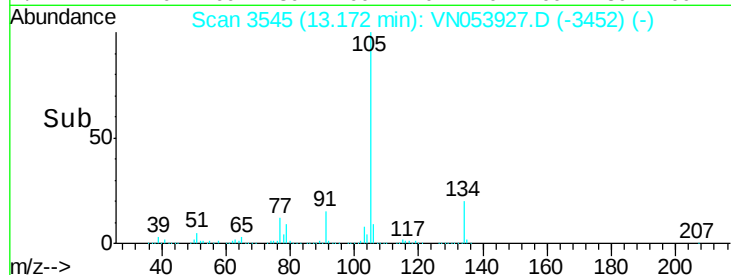
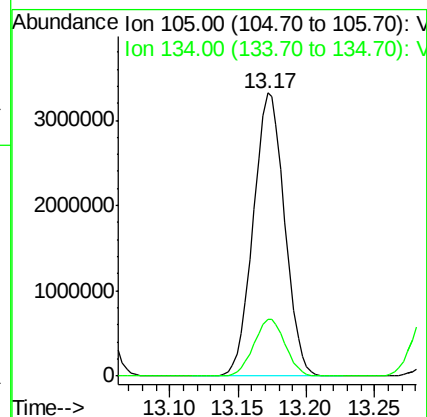
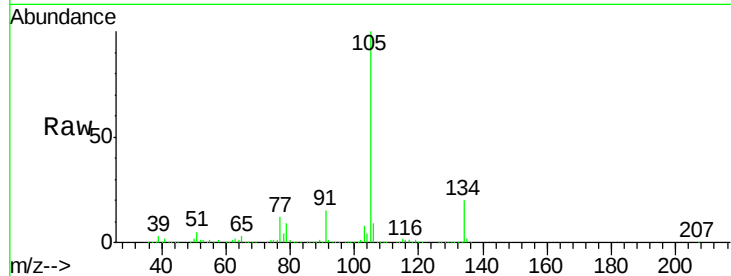
134 20.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 147.874 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

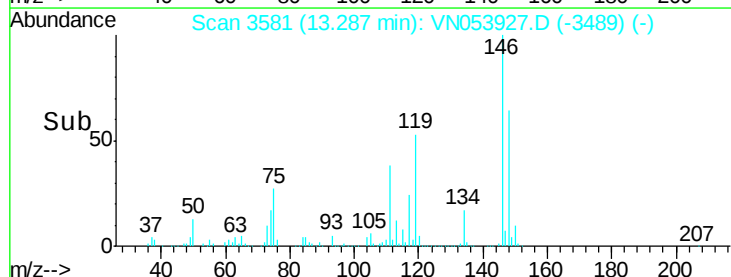
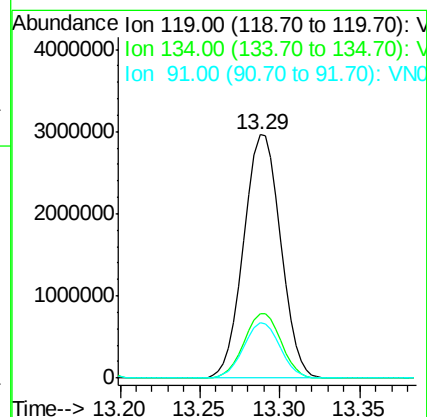
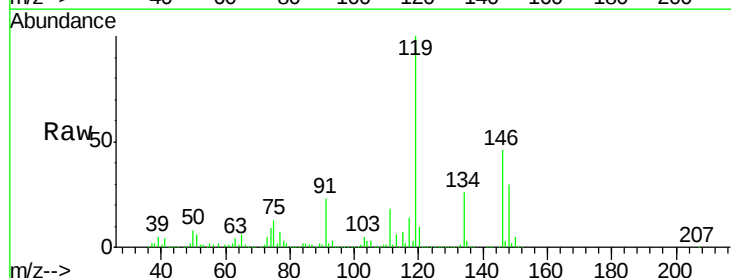
Tgt Ion:119 Resp: 4657477

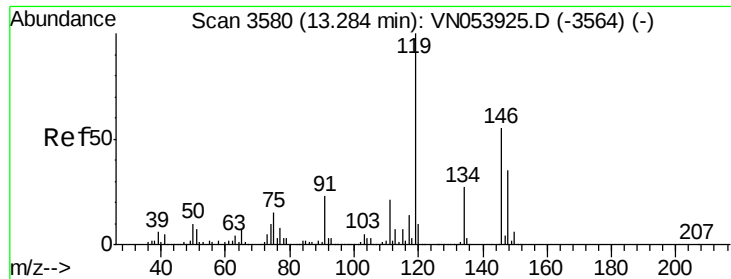
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.4 10.9 32.6





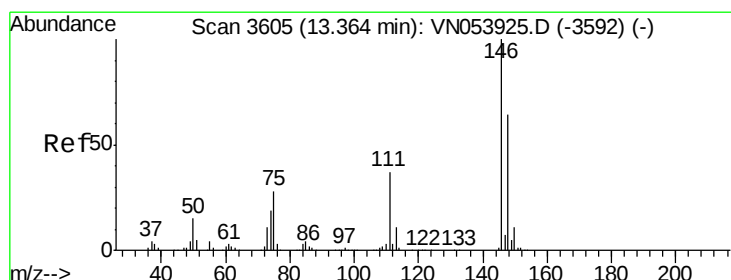
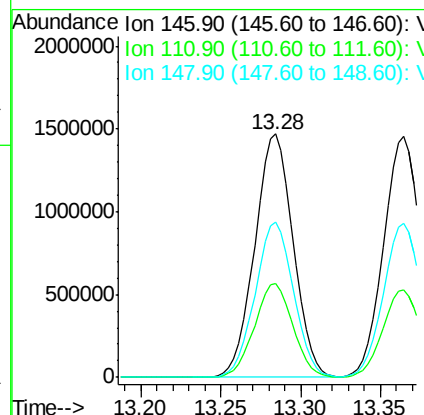
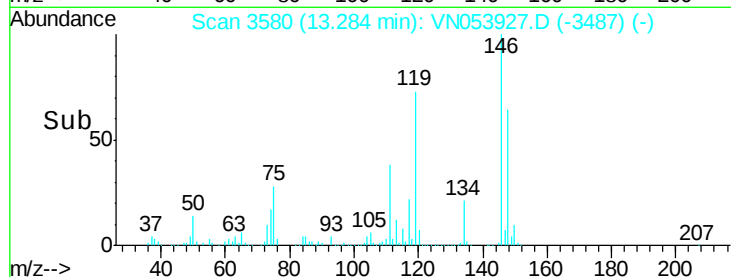
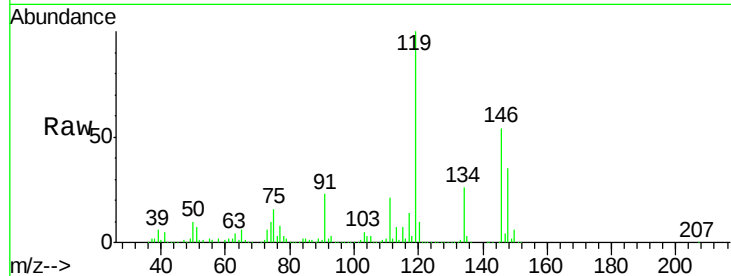
#87
 1,3-Dichlorobenzene
 Concen: 146.920 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2431020
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.7 56.1
 148 63.8 32.0 96.2

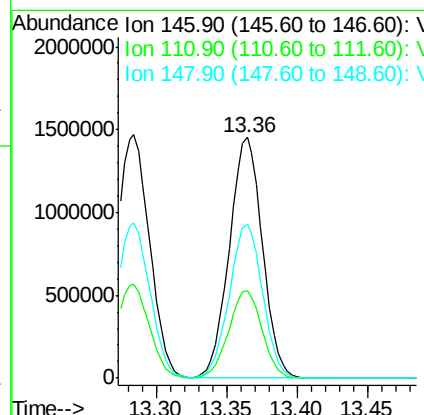
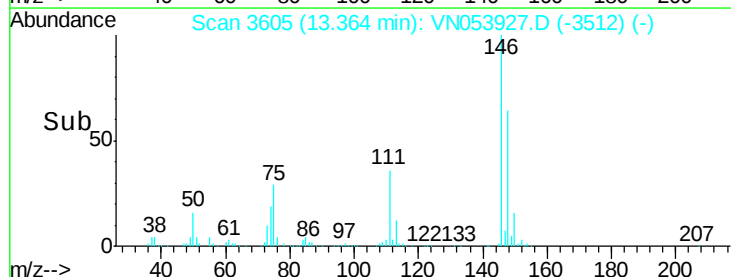
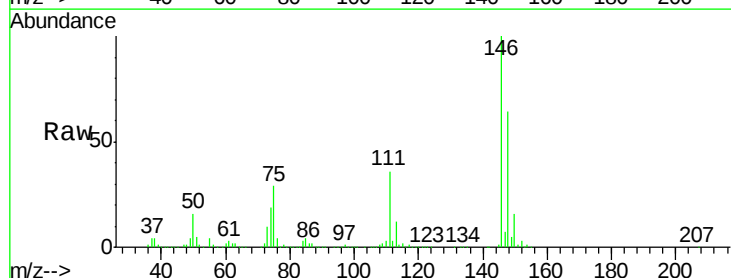
Manual Integrations
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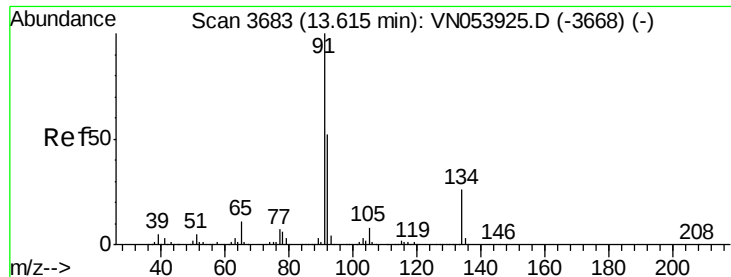
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#88
 1,4-Dichlorobenzene
 Concen: 148.070 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion:146 Resp: 2376978
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.0 54.0
 148 64.4 32.1 96.5





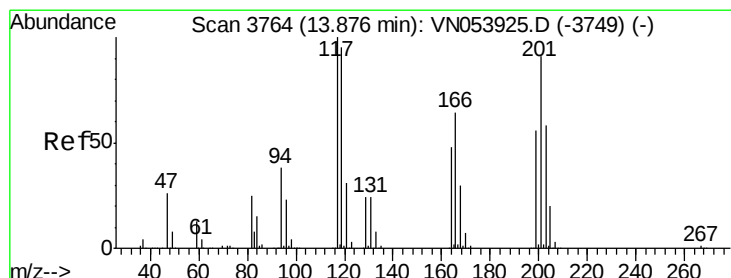
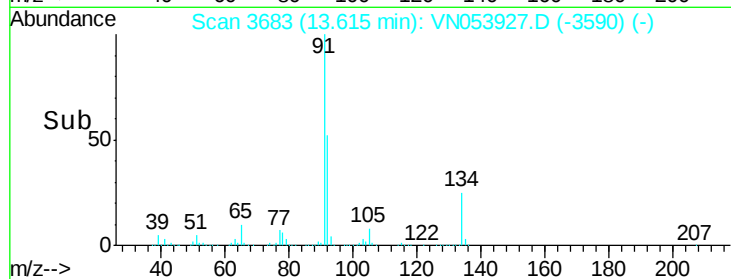
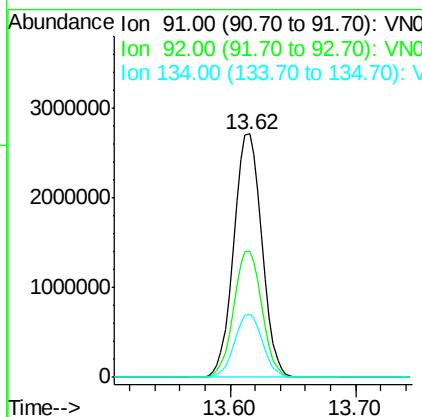
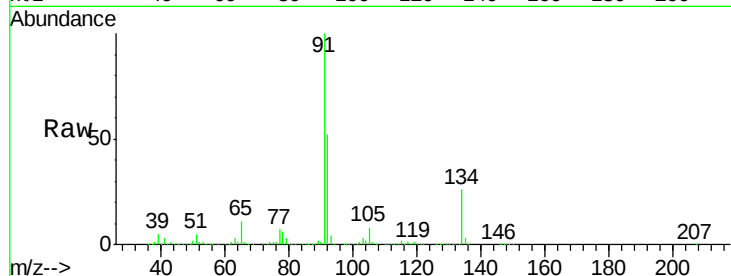
#89
n-Butylbenzene
Concen: 158.890 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 4217552
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 25.9 13.6 40.8

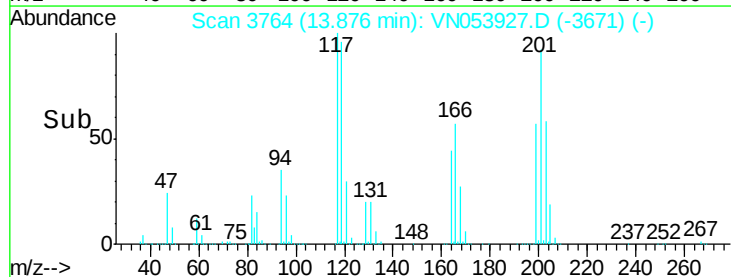
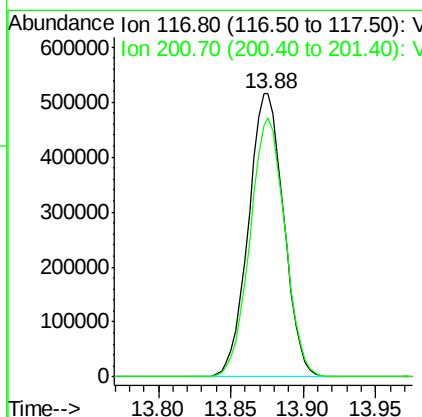
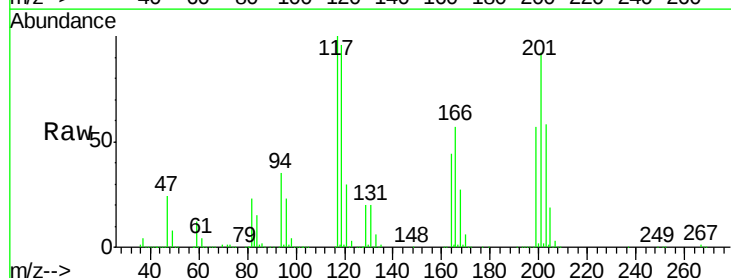
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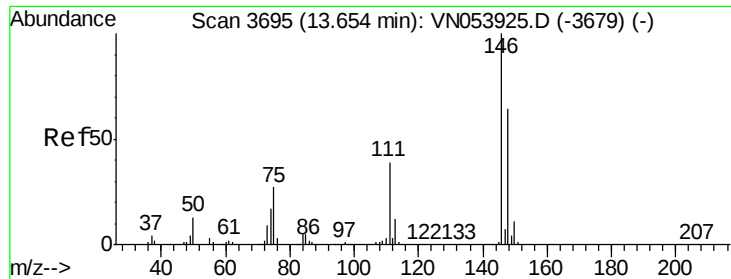
MMDadoda
2/28/2019 10:48:17 AM



#90
Hexachloroethane
Concen: 143.060 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion: 117 Resp: 873146
Ion Ratio Lower Upper
117 100
201 90.5 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 142.379 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 2280519

Ion Ratio Lower Upper

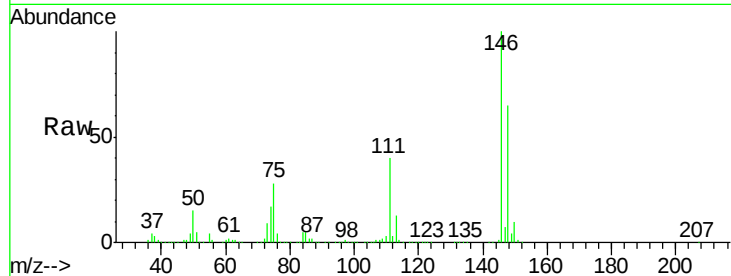
146 100

111 39.7 19.1 57.5

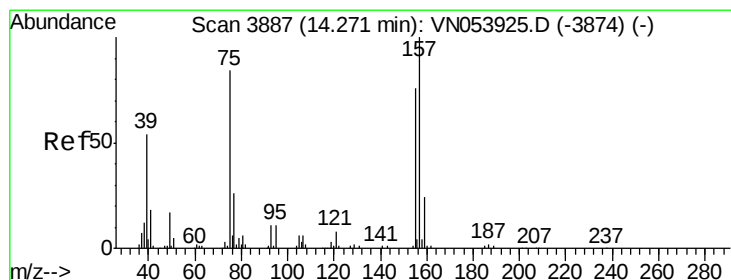
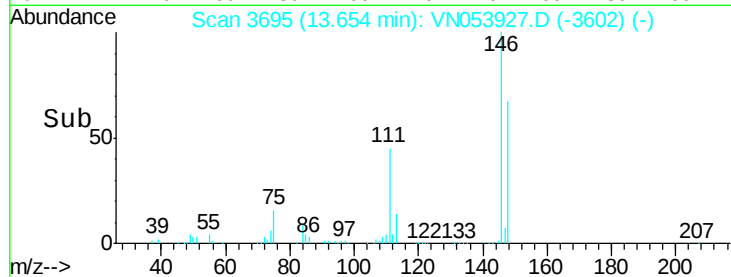
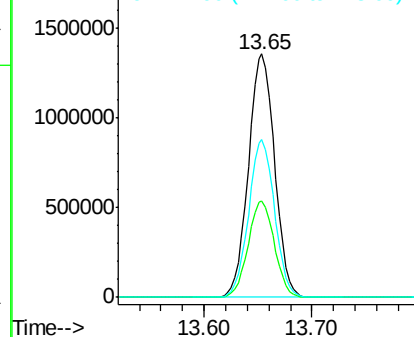
148 64.4 32.1 96.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 141.760 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053927.D

Acq: 25 Feb 2019 13:57

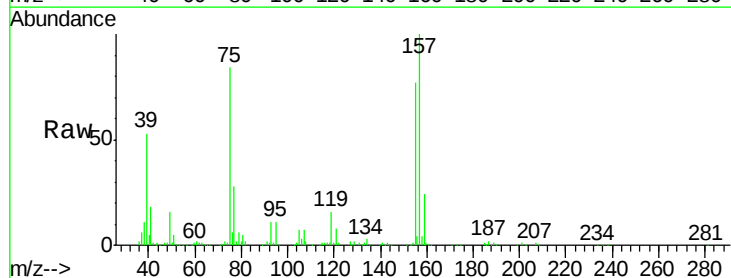
Tgt Ion: 75 Resp: 188730

Ion Ratio Lower Upper

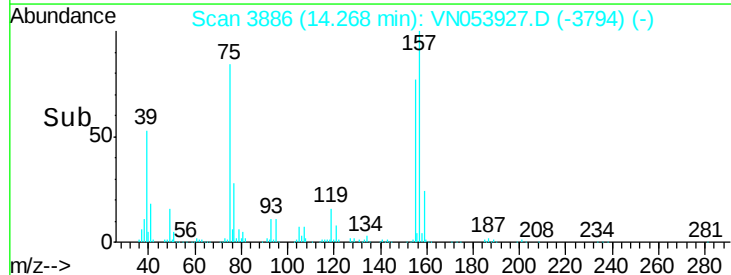
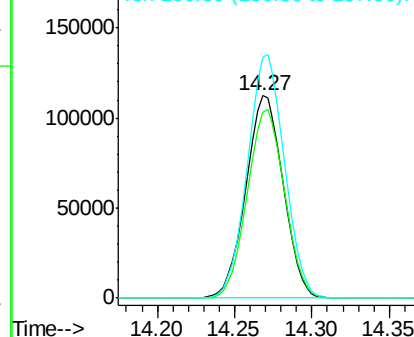
75 100

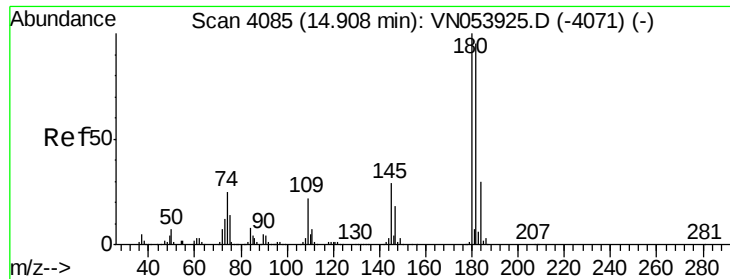
155 93.0 49.5 148.5

157 119.4 64.8 194.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





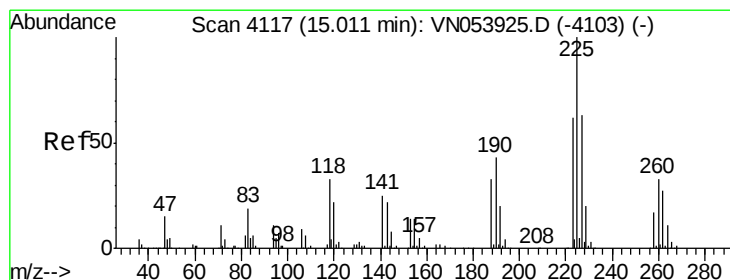
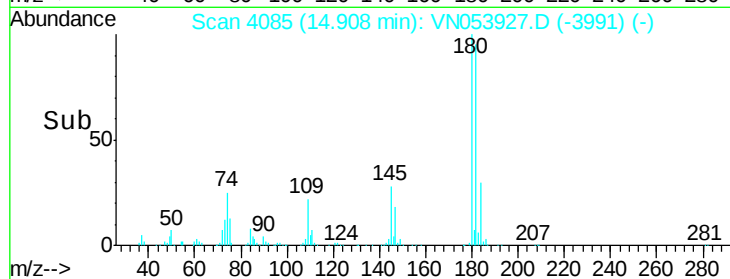
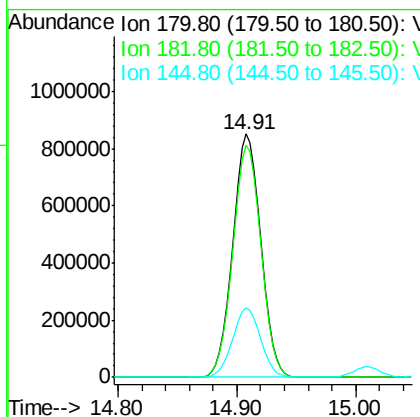
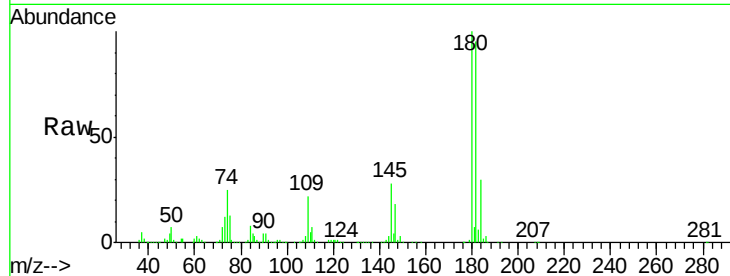
#93
 1,2,4-Trichlorobenzene
 Concen: 182.307 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.6	145.9
145	28.5	13.8	41.3

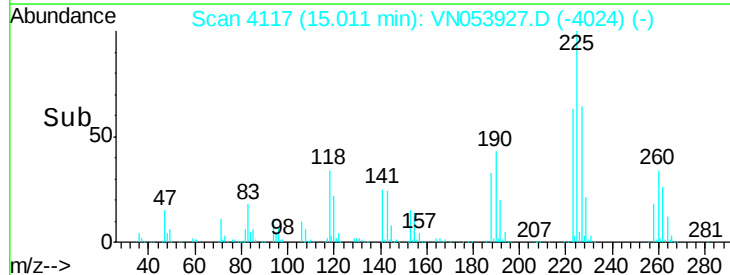
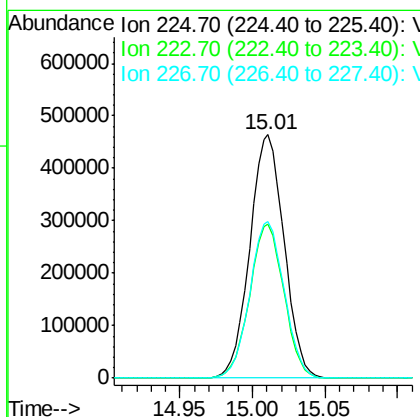
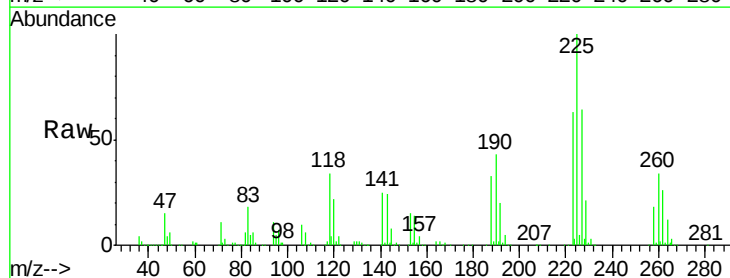
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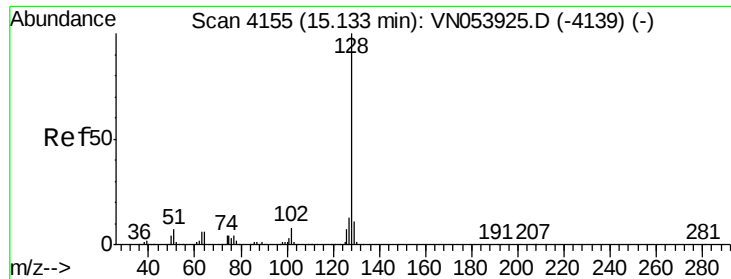
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 2/28/2019 10:48:17 AM



#94
 Hexachlorobutadiene
 Concen: 132.037 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053927.D
 Acq: 25 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.5
227	64.4	32.5	97.4





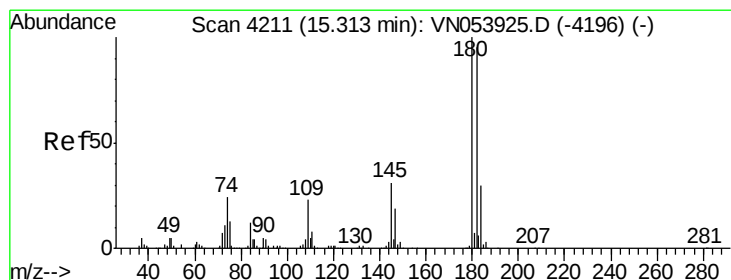
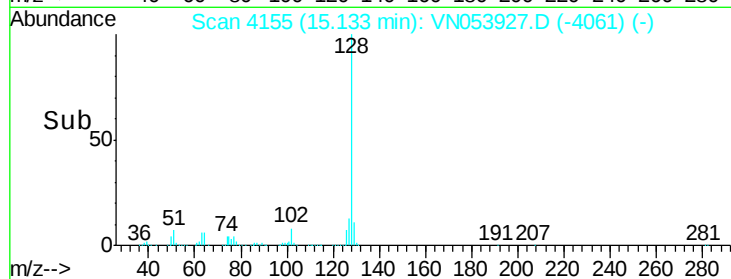
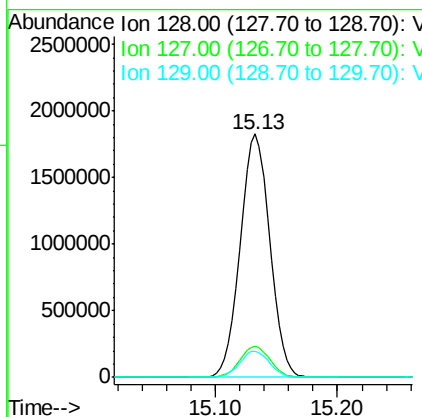
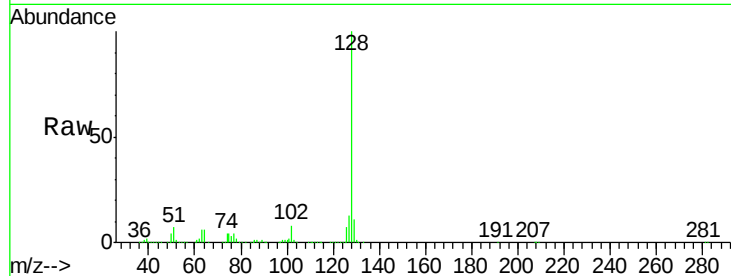
#95
Naphthalene
Concen: 193.551 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 172.414 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053927.D
Acq: 25 Feb 2019 13:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	29.9	14.4	43.0

