

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053948.D
 Acq On : 26 Feb 2019 12:10
 Operator : JC/SP
 Sample : VN0226WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:49:52 AM

Quant Time: Feb 27 02:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	666236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1028941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	397620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	360417	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.59	113	321382	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.09	98	1185697	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	389625	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	124460	20.298	ug/l	98
3) Chloromethane	2.06	50	163270	19.197	ug/l	100
4) Vinyl Chloride	2.18	62	160115	18.789	ug/l	99
5) Bromomethane	2.57	94	105591	18.710	ug/l	99
6) Chloroethane	2.71	64	97284	18.356	ug/l	99
7) Trichlorofluoromethane	3.02	101	206062	18.928	ug/l	99
8) Diethyl Ether	3.41	74	74442	18.252	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132064	19.208	ug/l	94
10) Methyl Iodide	3.95	142	166191	18.395	ug/l	99
11) Tert butyl alcohol	4.77	59	41191	83.199	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	124277	18.896	ug/l	93
13) Acrolein	3.60	56	37889	73.917	ug/l	99
14) Allyl chloride	4.32	41	206546	17.906	ug/l	93
15) Acrylonitrile	4.98	53	230936	88.502	ug/l	98
16) Acetone	3.81	43	212574	95.302	ug/l	97
17) Carbon Disulfide	4.05	76	385151	18.153	ug/l	100
18) Methyl Acetate	4.32	43	96941	17.752	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	325970	18.476	ug/l	96
20) Methylene Chloride	4.55	84	141109	18.256	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	133684	18.780	ug/l	93
22) Diisopropyl ether	5.95	45	432264	19.424	ug/l	95
23) Vinyl Acetate	5.89	43	1475449	92.165	ug/l	96
24) 1,1-Dichloroethane	5.85	63	258492	18.942	ug/l	99
25) 2-Butanone	6.83	43	276886	90.294	ug/l	93
26) 2,2-Dichloropropane	6.82	77	186670	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148510	18.760	ug/l	94
28) Bromochloromethane	7.19	49	131915	21.118	ug/l #	81
29) Tetrahydrofuran	7.21	42	176589	86.475	ug/l	93
30) Chloroform	7.37	83	250247	18.911	ug/l	97
31) Cyclohexane	7.65	56	247282	19.551	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	206057	18.886	ug/l	96
36) 1,1-Dichloropropene	7.79	75	188497	19.699	ug/l	98
37) Ethyl Acetate	6.93	43	120252	17.600	ug/l	98
38) Carbon Tetrachloride	7.77	117	183204	18.409	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220497	19.118	ug/l	93
40) Benzene	8.04	78	566519	19.272	ug/l	99
41) Methacrylonitrile	7.18	41	70972	16.132	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	177033	19.453	ug/l	97
43) Isopropyl Acetate	8.16	43	205725	17.833	ug/l	92
44) Trichloroethene	8.83	130	151038	19.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	154387	19.467	ug/l	98
46) Dibromomethane	9.21	93	87664	19.040	ug/l	93
47) Bromodichloromethane	9.40	83	184992	19.065	ug/l	100
48) Methyl methacrylate	9.20	41	96308	18.150	ug/l	91
49) 1,4-Dioxane	9.20	88	25212	350.802	ug/l #	87
51) 4-Methyl-2-Pentanone	9.98	43	550297	92.830	ug/l	95
52) Toluene	10.15	92	339952	19.640	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	179849	19.050	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	214846	19.303	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	124656	19.284	ug/l	98
56) Ethyl methacrylate	10.43	69	141183	17.960	ug/l	91
57) 1,3-Dichloropropane	10.71	76	210608	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	335639	94.039	ug/l	96
59) 2-Hexanone	10.75	43	350164	90.822	ug/l	94
60) Dibromochloromethane	10.90	129	133309	18.556	ug/l	100
61) 1,2-Dibromoethane	11.00	107	117481	18.840	ug/l	98
64) Tetrachloroethene	10.63	164	149884	19.836	ug/l	98
65) Chlorobenzene	11.43	112	355341	18.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	131883	19.431	ug/l	99
67) Ethyl Benzene	11.51	91	620653	19.659	ug/l	97
68) m/p-Xylenes	11.62	106	478030	40.118	ug/l	97
69) o-Xylene	11.95	106	225384	19.250	ug/l	96
70) Styrene	11.96	104	358994	19.935	ug/l	98
71) Bromoform	12.13	173	86686	18.359	ug/l #	100
73) Isopropylbenzene	12.25	105	607516	19.628	ug/l	98
74) N-amyl acetate	12.07	43	147247	18.151	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	141912	18.335	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114896m	18.013	ug/l	
77) Bromobenzene	12.53	156	150582	19.162	ug/l	92
78) n-propylbenzene	12.59	91	711530	20.214	ug/l	97
79) 2-Chlorotoluene	12.67	91	418819	19.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	511256	20.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35955	17.816	ug/l	94
82) 4-Chlorotoluene	12.77	91	419179	20.057	ug/l	96
83) tert-Butylbenzene	12.99	119	435966	19.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	518681	20.503	ug/l	98
85) sec-Butylbenzene	13.17	105	621083	20.290	ug/l	98
86) p-Isopropyltoluene	13.29	119	532692	20.586	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	262930	19.341	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	258898	19.630	ug/l	98
89) n-Butylbenzene	13.61	91	447035	20.499	ug/l	98
90) Hexachloroethane	13.87	117	92974	18.541	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	258816	19.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20036	18.318	ug/l	86

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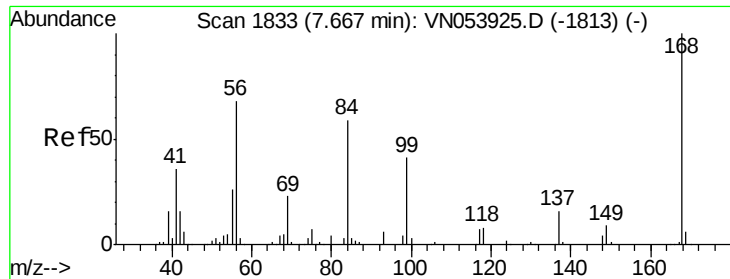
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119968	17.908	ug/l	97
94) Hexachlorobutadiene	15.01	225	95960	20.187	ug/l	97
95) Naphthalene	15.13	128	223287	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	118154	17.887	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 168 Resp: 666236

Ion Ratio Lower Upper

168 100

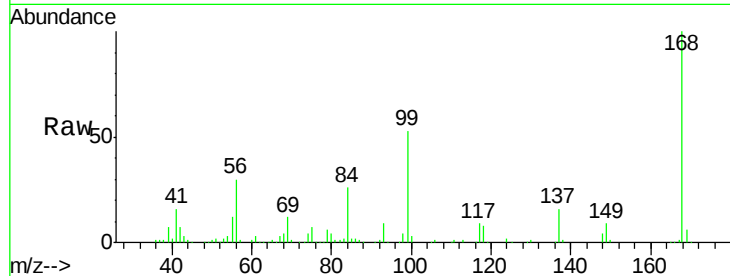
99 52.2 36.9 55.3

Manual Integrations

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2/28/2019 10:49:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

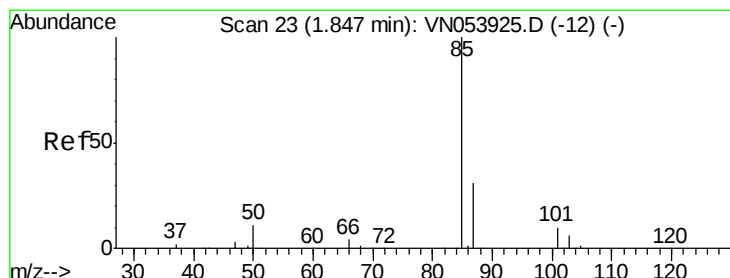
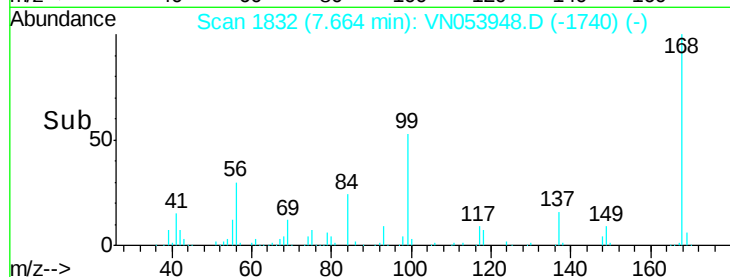
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.298 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053948.D

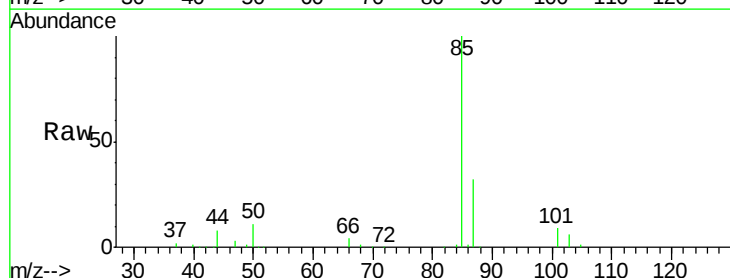
Acq: 26 Feb 2019 12:10

Tgt Ion: 85 Resp: 124460

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

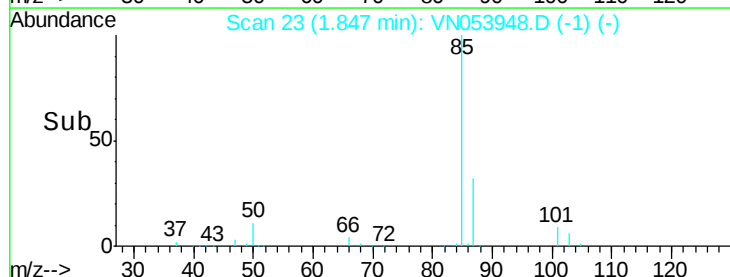
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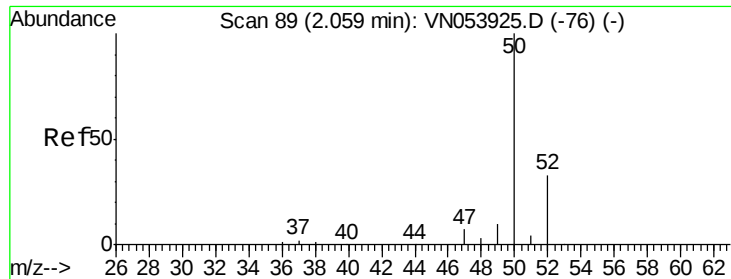
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.197 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 50 Resp: 163270

Ion Ratio Lower Upper

50 100

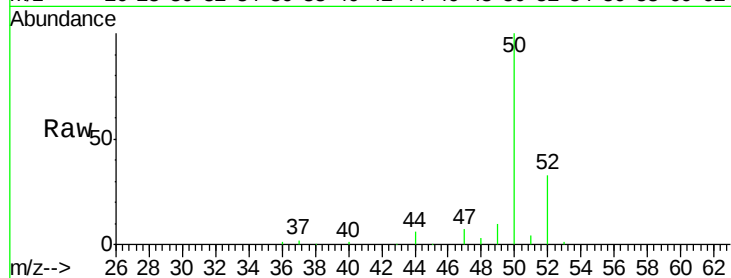
52 32.6 26.0 39.0

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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

120000

100000

80000

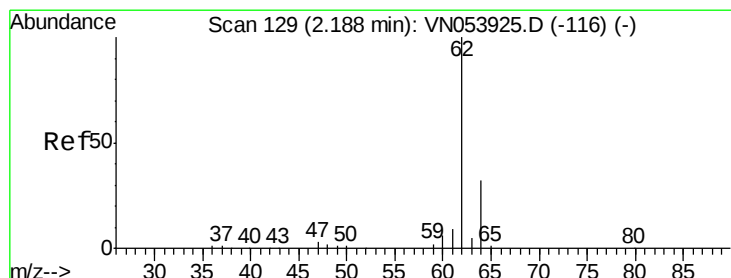
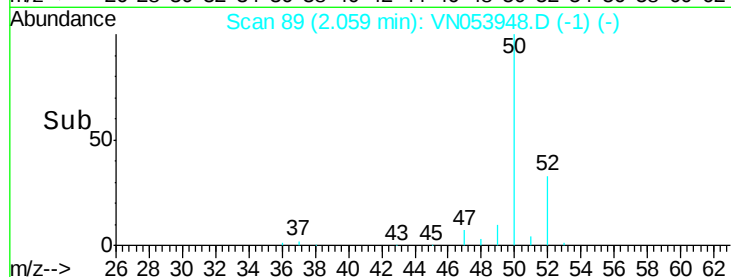
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.789 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053948.D

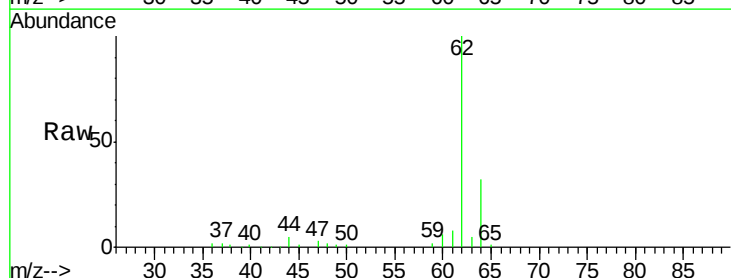
Acq: 26 Feb 2019 12:10

Tgt Ion: 62 Resp: 160115

Ion Ratio Lower Upper

62 100

64 31.9 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

120000

100000

80000

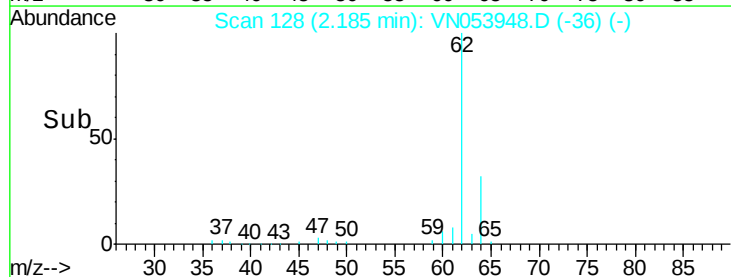
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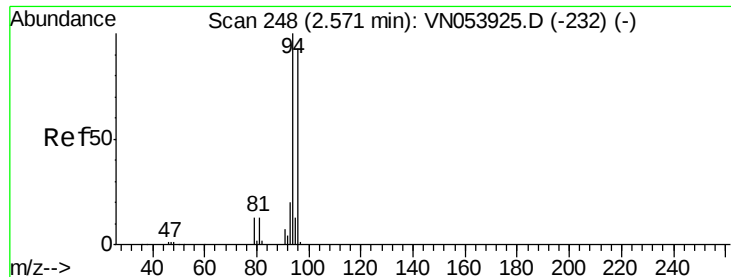
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.710 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 94 Resp: 105591

Ion Ratio Lower Upper

94 100

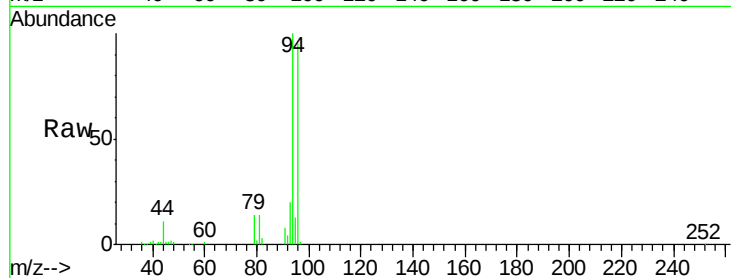
96 94.5 74.9 112.3

Manual Integrations

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2/28/2019 10:49:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

60000

50000

40000

30000

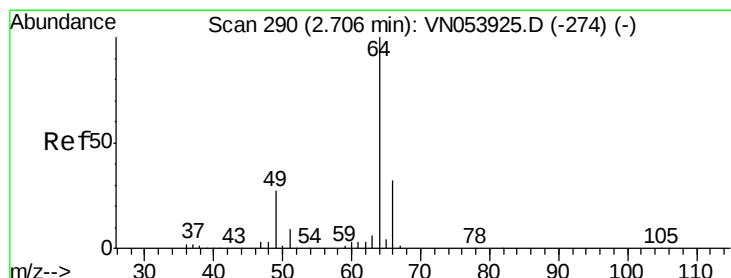
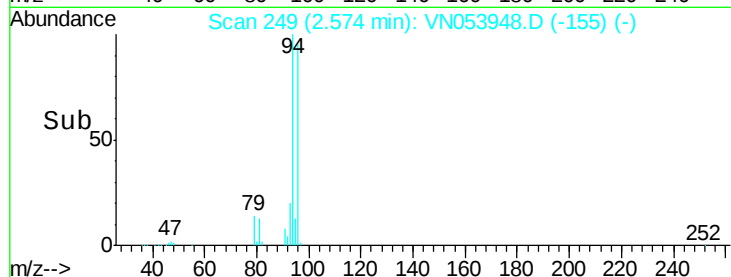
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 18.356 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053948.D

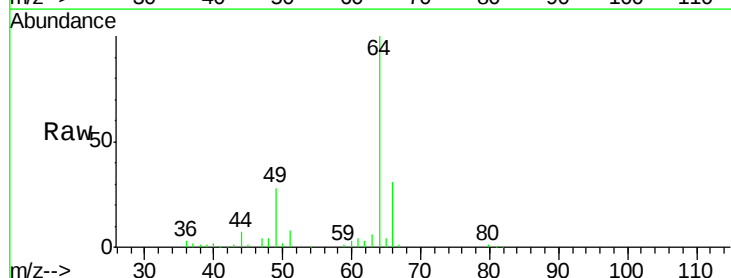
Acq: 26 Feb 2019 12:10

Tgt Ion: 64 Resp: 97284

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

30000

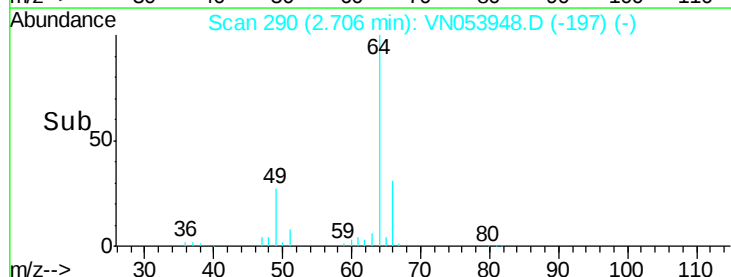
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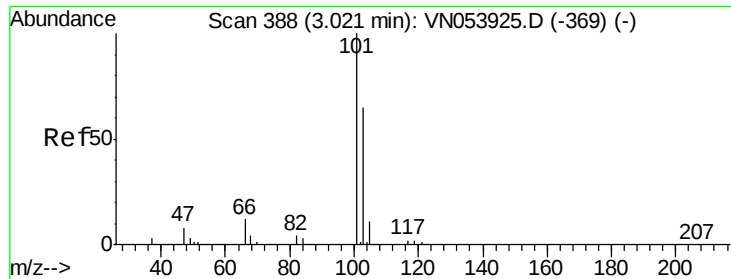
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0

2.60 2.70 2.80

Time-->





#7

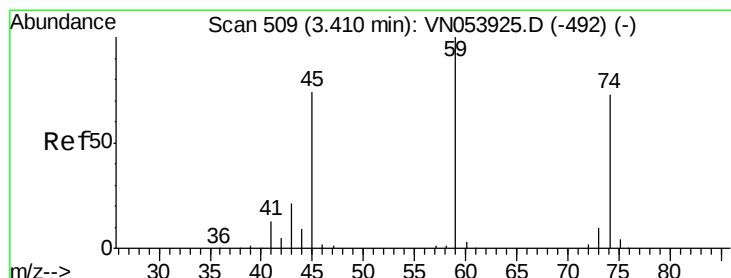
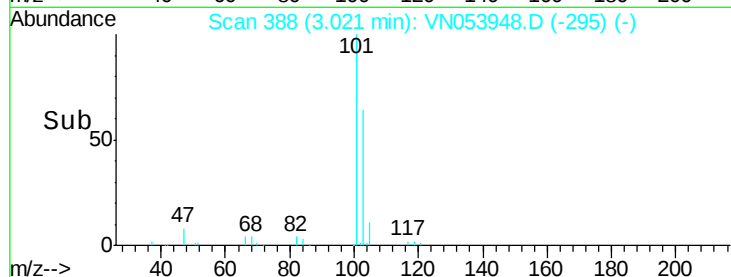
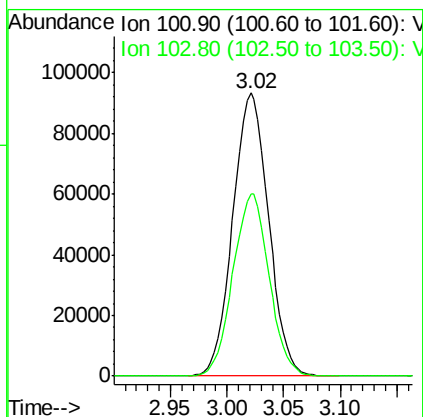
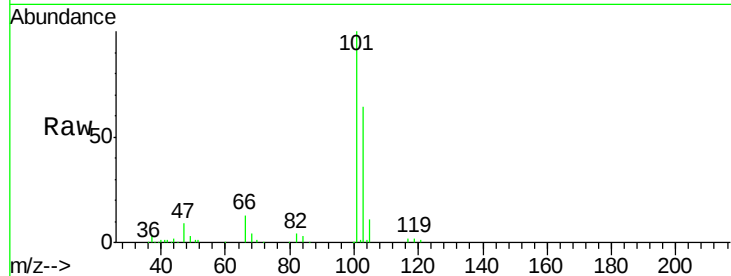
Trichlorofluoromethane
Concen: 18.928 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
APPROVED

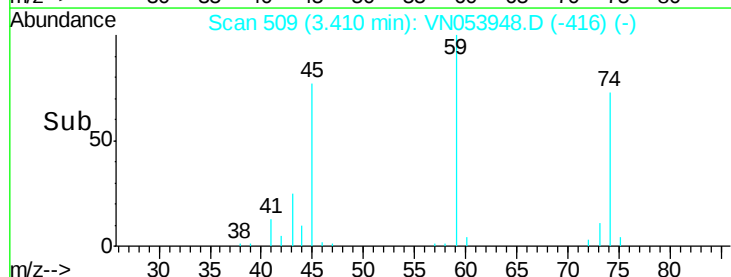
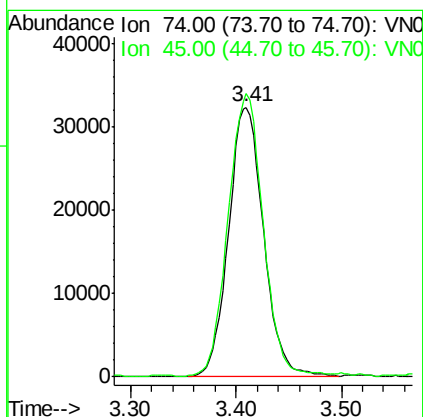
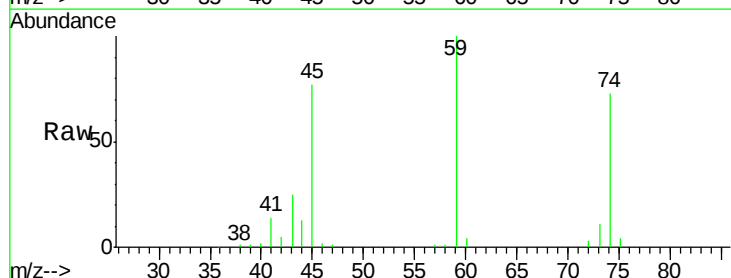
MMDadoda
2/28/2019 10:49:52 AM

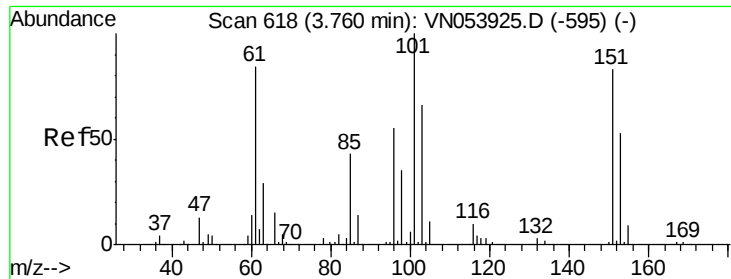


#8

Diethyl Ether
Concen: 18.252 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.208 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

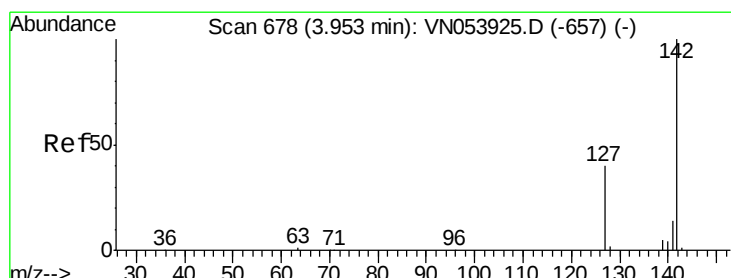
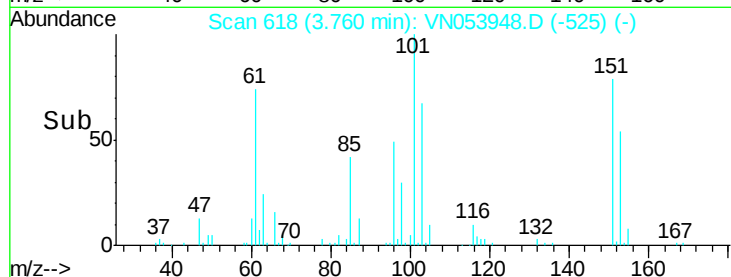
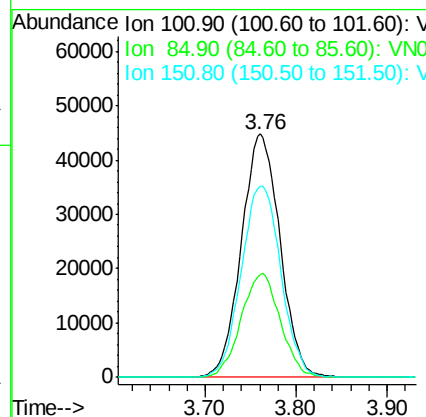
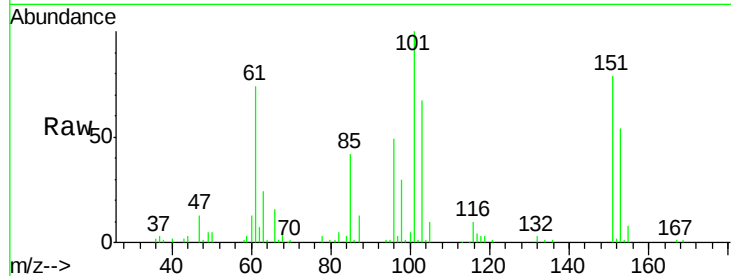
ClientSampleId :

VN0226WBS01

Tgt Ion:	101	Resp:	132064
Ion Ratio	Lower	Upper	
101	100		
85	43.2	32.5	48.7
151	80.7	70.2	105.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.395 ug/l

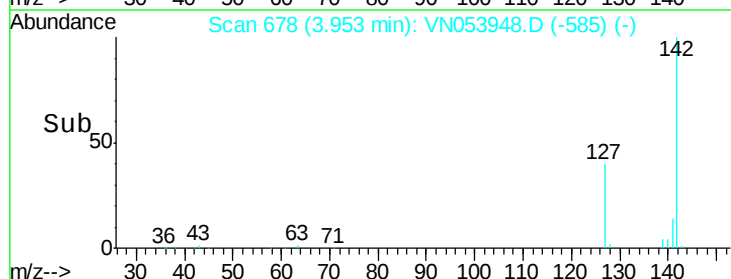
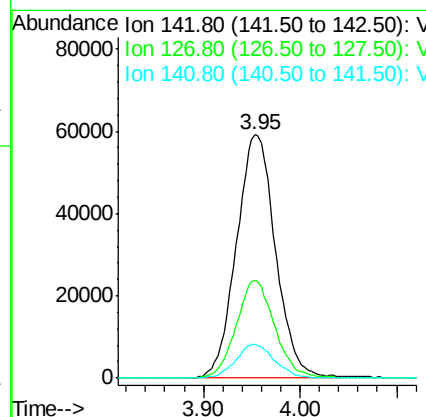
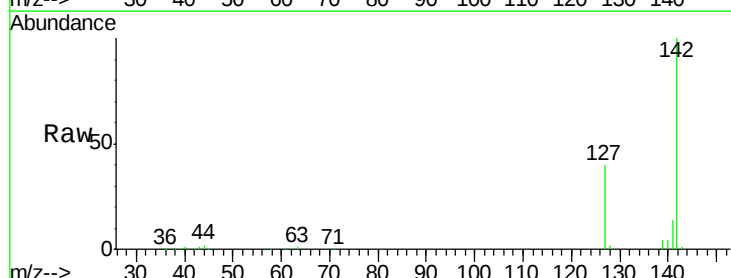
RT: 3.95 min Scan# 678

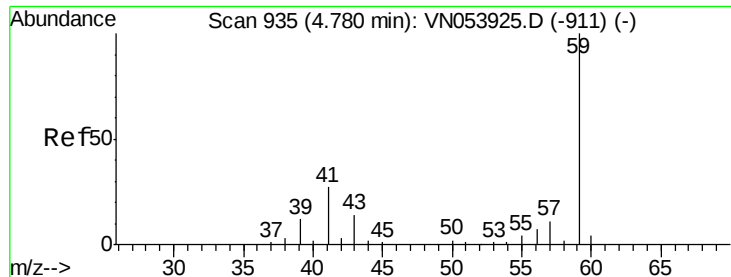
Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	142	Resp:	166191
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.0	46.4
141	13.9	11.3	16.9





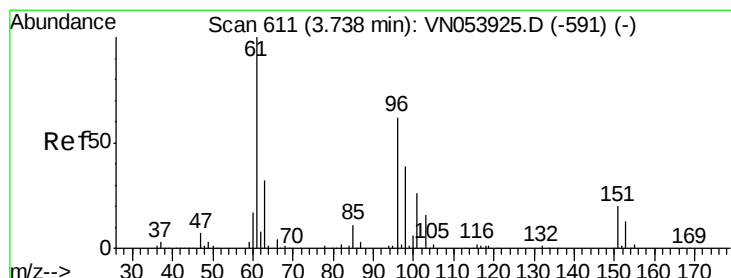
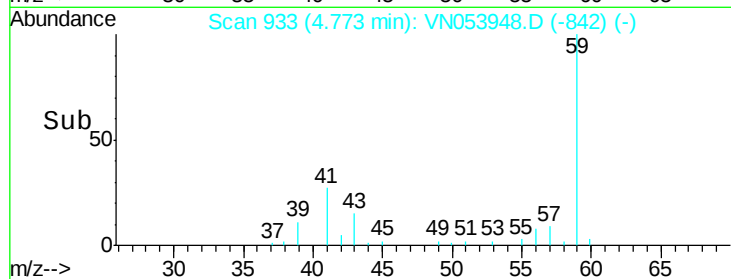
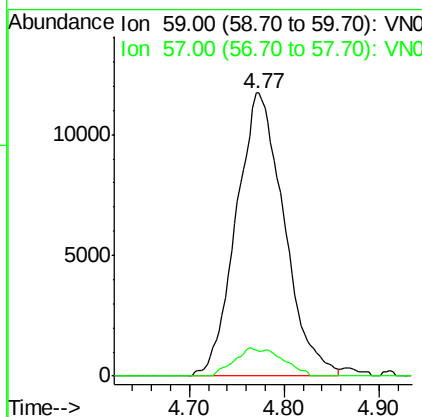
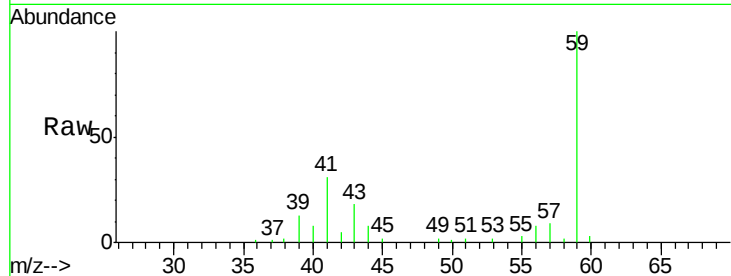
#11
Tert butyl alcohol
Concen: 83.199 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tgt Ion: 59 Resp: 41191
Ion Ratio Lower Upper
59 100
57 5.5 8.1 12.1#

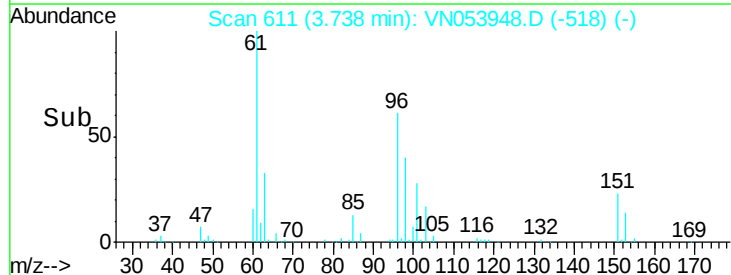
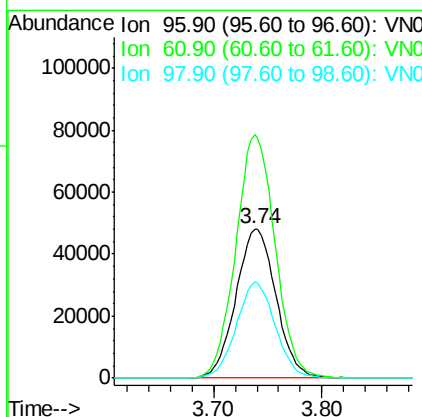
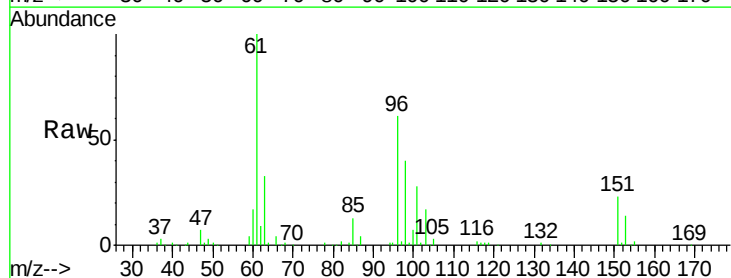
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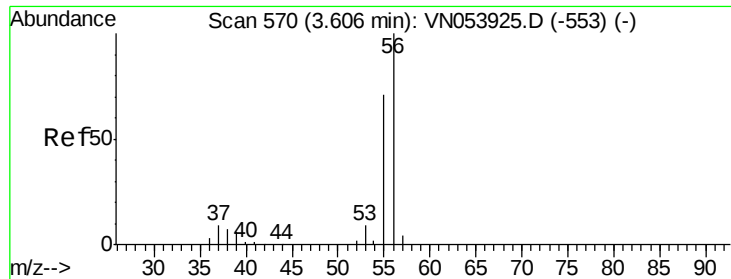
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#12
1,1-Dichloroethene
Concen: 18.896 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 96 Resp: 124277
Ion Ratio Lower Upper
96 100
61 163.1 121.0 181.4
98 64.6 52.2 78.2





#13

Acrolein

Concen: 73.917 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 56 Resp: 37889

Ion Ratio Lower Upper

56 100

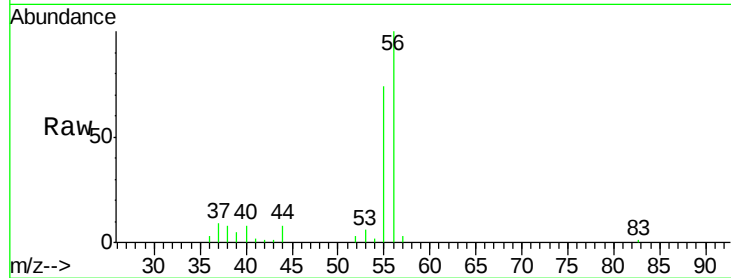
55 71.5 56.3 84.5

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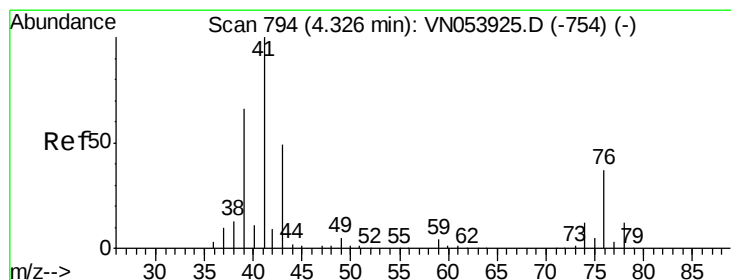
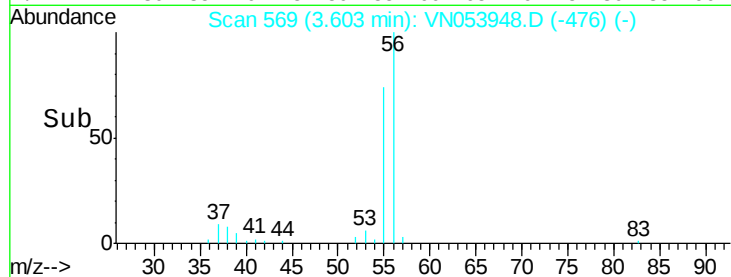
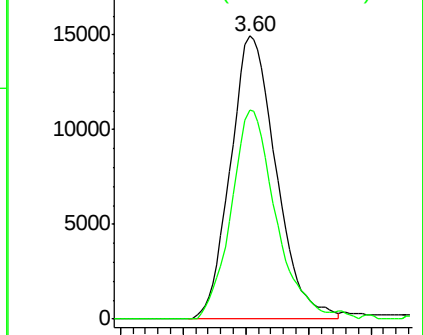
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.906 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

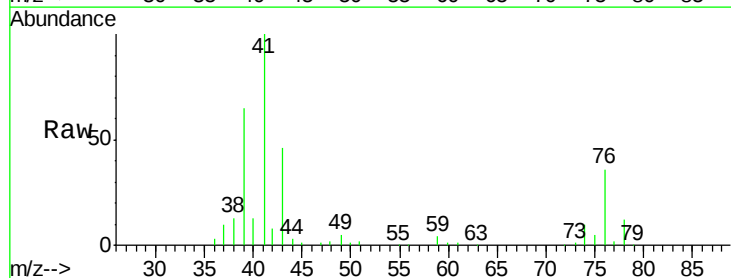
Tgt Ion: 41 Resp: 206546

Ion Ratio Lower Upper

41 100

39 67.4 48.8 73.2

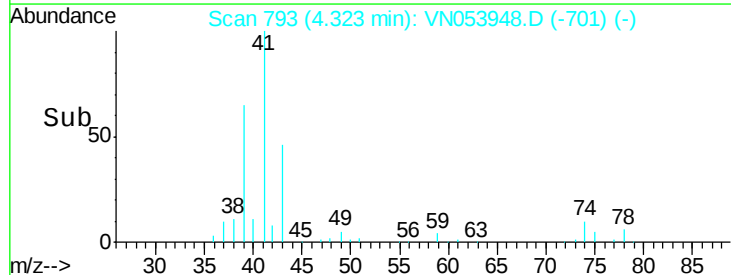
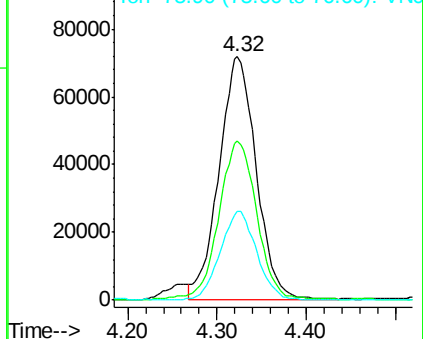
76 35.1 30.9 46.3

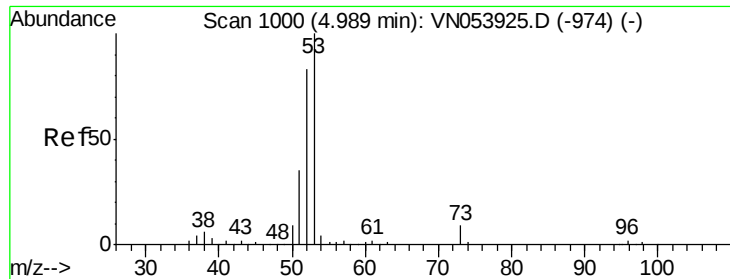


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





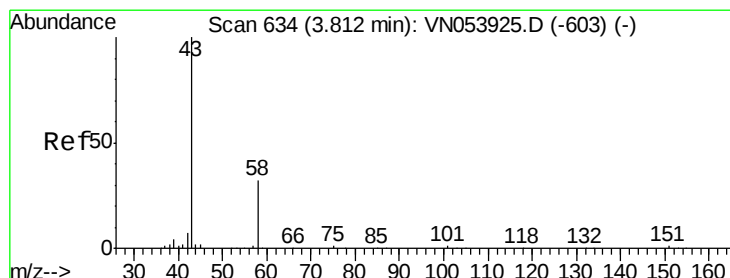
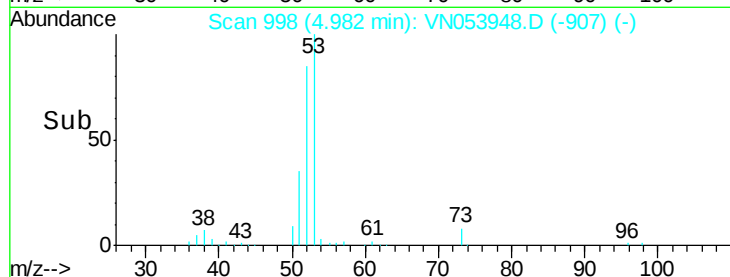
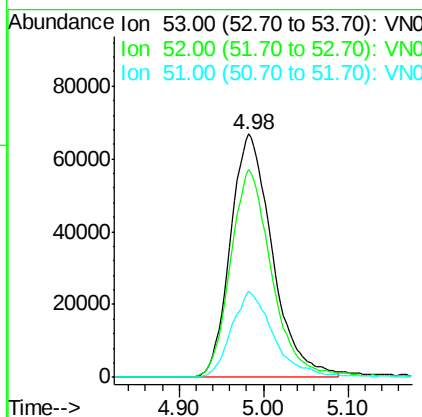
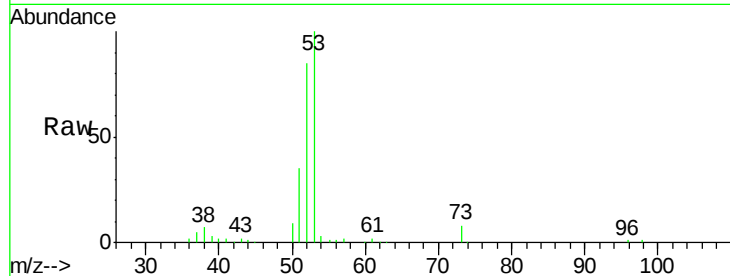
#15
 Acrylonitrile
 Concen: 88.502 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.1	97.7
51	35.7	28.2	42.4

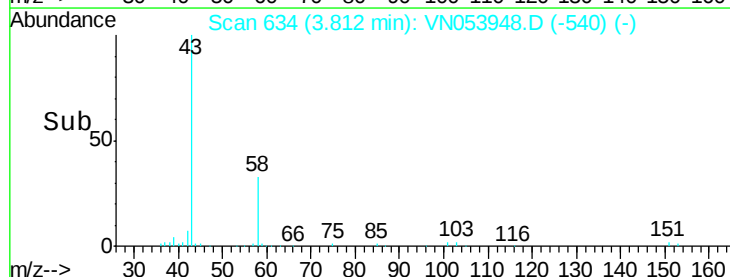
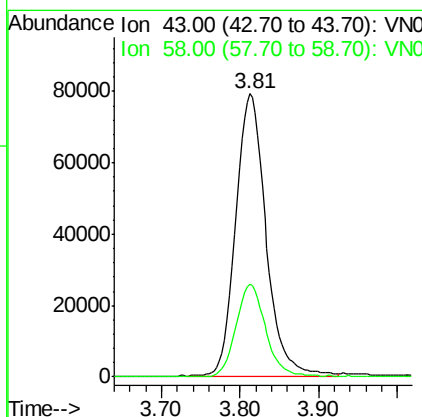
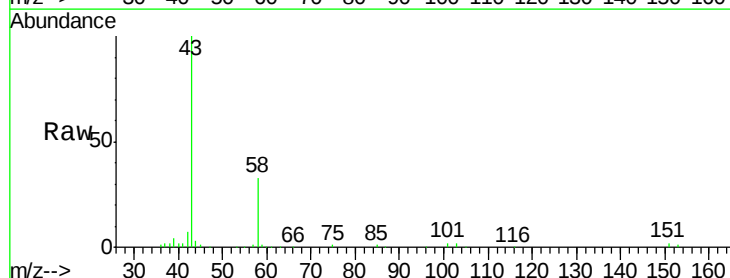
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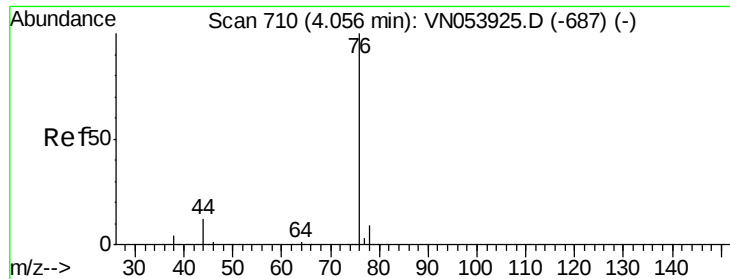
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#16
 Acetone
 Concen: 95.302 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.6	41.4





#17

Carbon Disulfide

Concen: 18.153 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 76 Resp: 385151

Ion Ratio Lower Upper

76 100

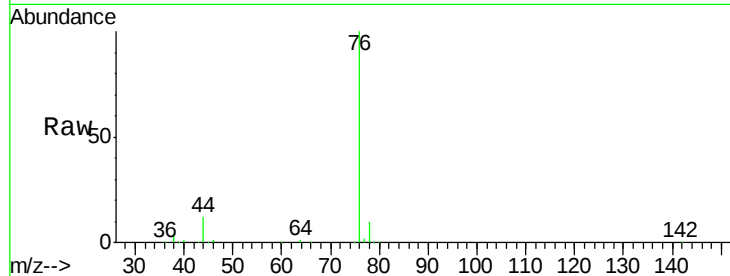
78 9.5 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

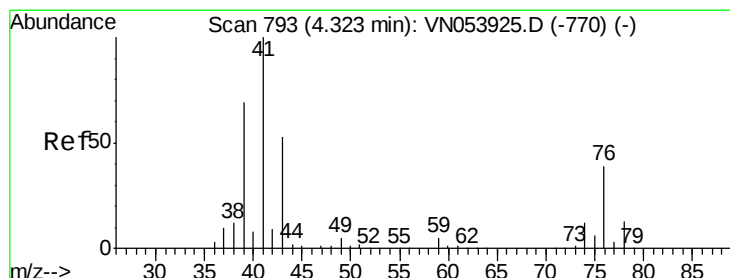
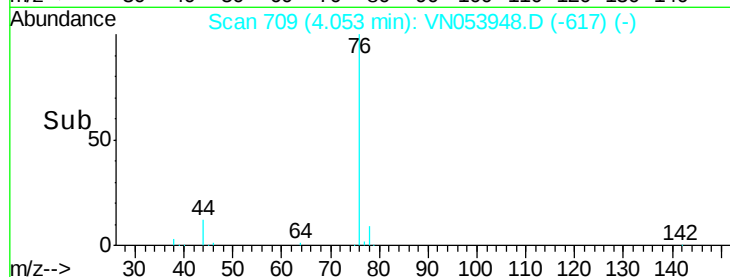
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 17.752 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053948.D

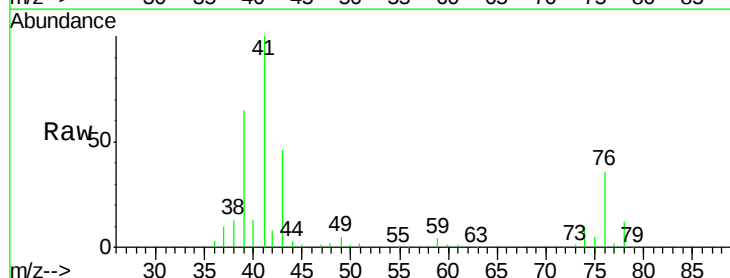
Acq: 26 Feb 2019 12:10

Tgt Ion: 43 Resp: 96941

Ion Ratio Lower Upper

43 100

74 23.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

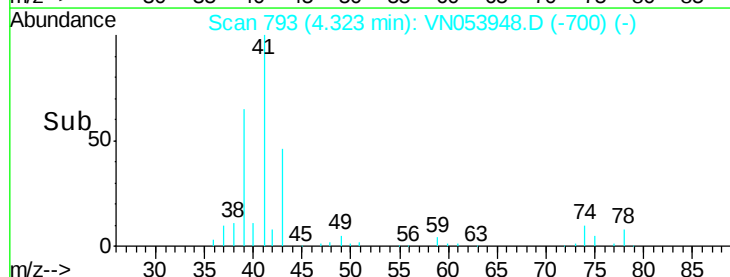
30000

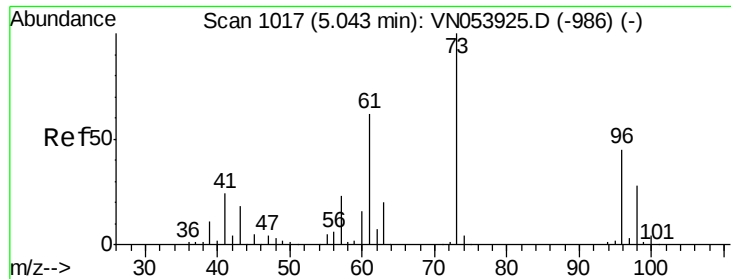
20000

10000

0

Time--> 4.20 4.30 4.40





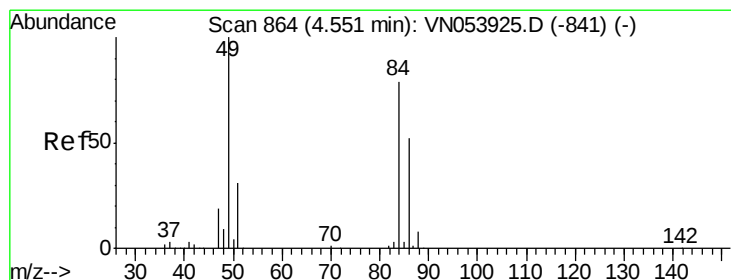
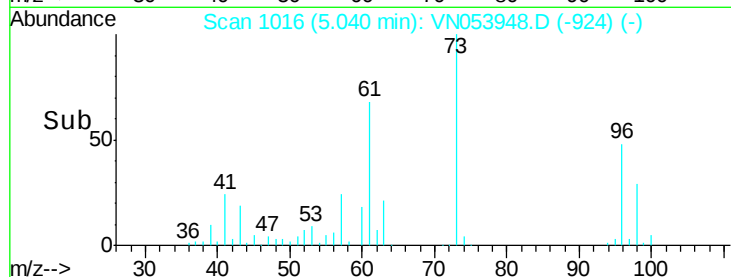
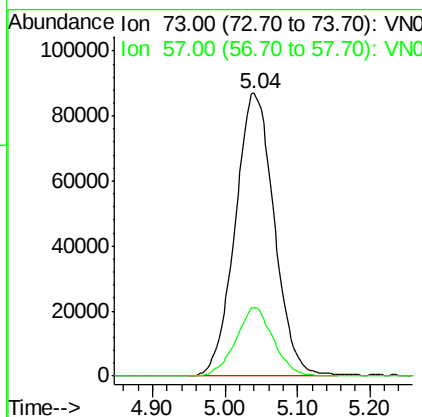
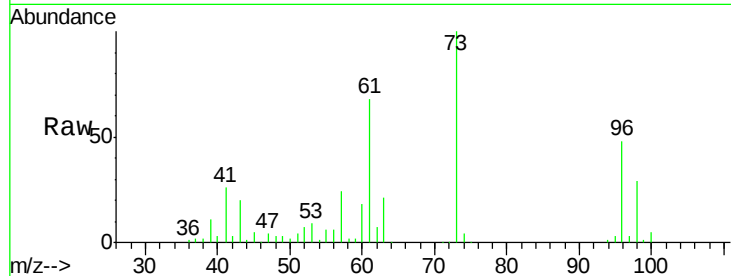
#19
Methyl tert-butyl Ether
Concen: 18.476 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tgt Ion: 73 Resp: 325970
Ion Ratio Lower Upper
73 100
57 24.3 18.0 27.0

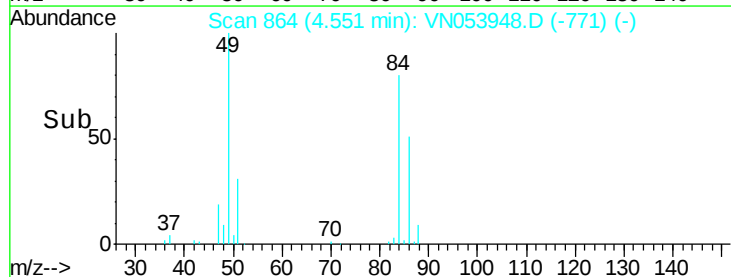
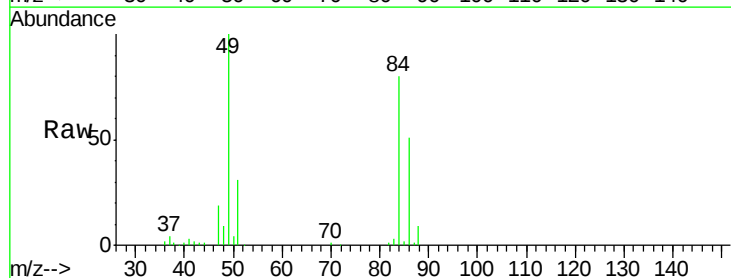
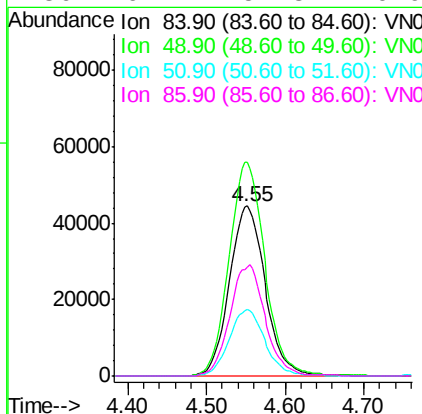
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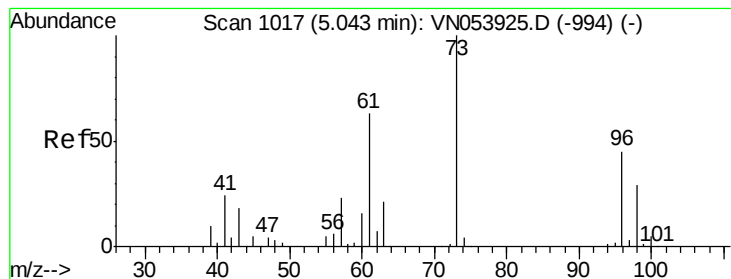
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#20
Methylene Chloride
Concen: 18.256 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 84 Resp: 141109
Ion Ratio Lower Upper
84 100
49 125.7 89.7 134.5
51 39.0 27.8 41.8
86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.780 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

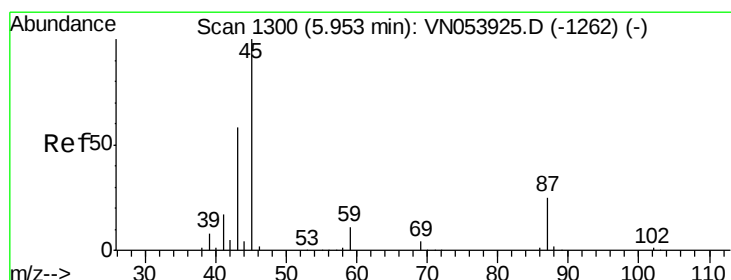
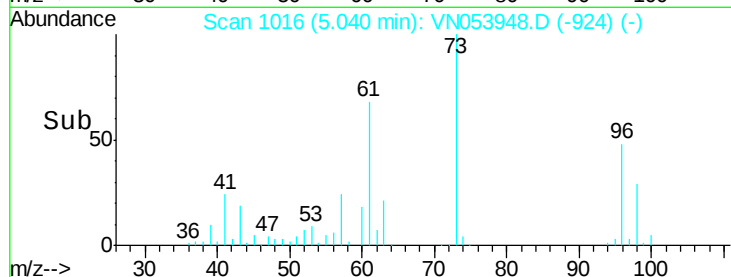
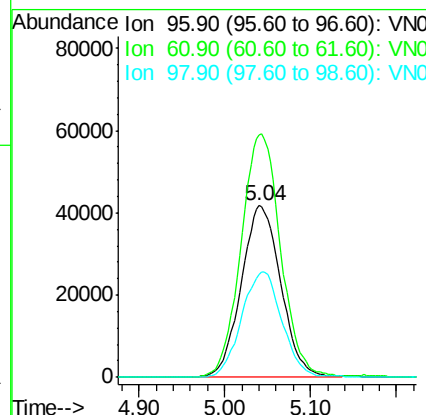
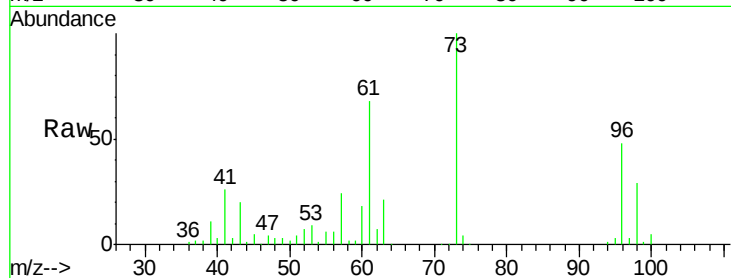
ClientSampleId :

VN0226WBS01

Tgt Ion:	96	Resp:	133684
Ion	Ratio	Lower	Upper
96	100		
61	141.2	104.5	156.7
98	60.2	50.6	76.0

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#22

Diisopropyl ether

Concen: 19.424 ug/l

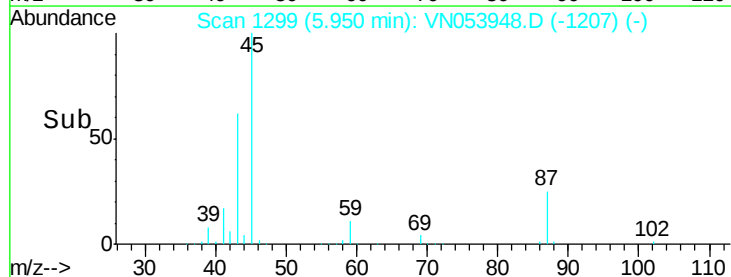
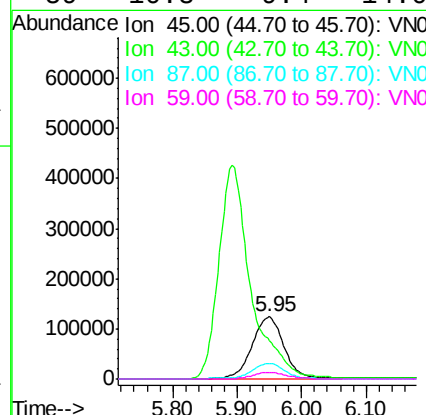
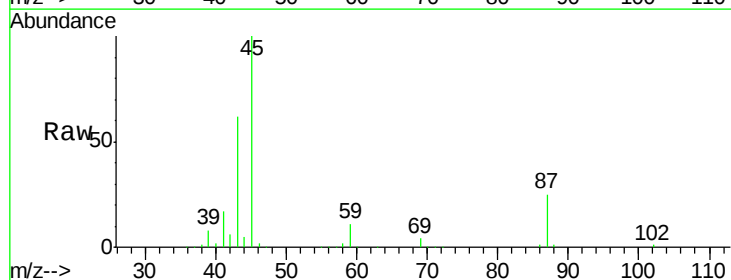
RT: 5.95 min Scan# 1299

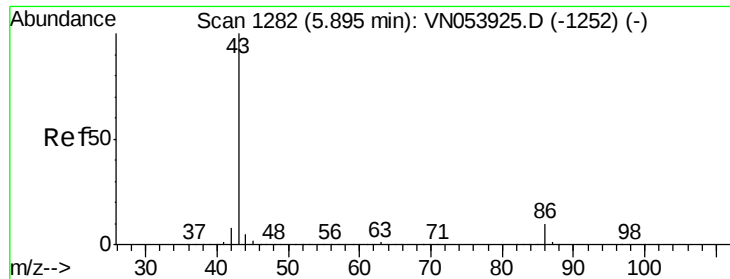
Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	45	Resp:	432264
Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.2	69.4
87	24.8	23.4	35.0
59	10.8	9.4	14.0





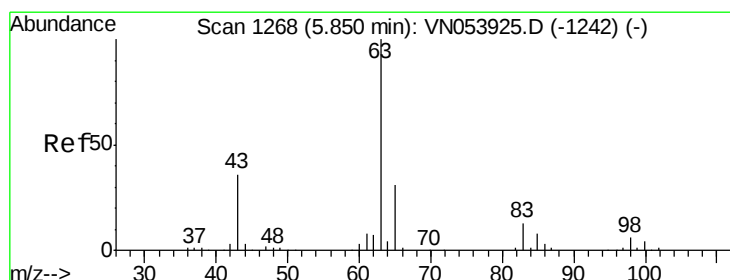
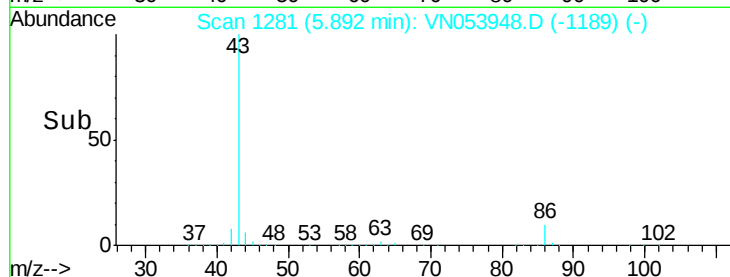
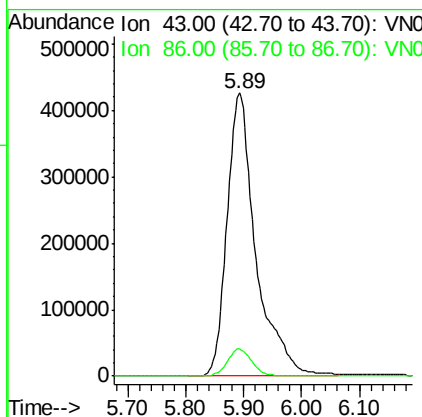
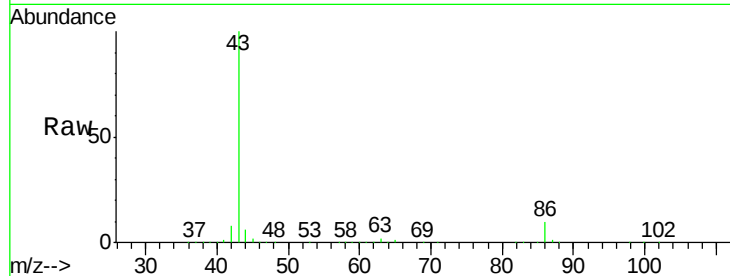
#23
 Vinyl Acetate
 Concen: 92.165 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion: 43 Resp: 1475449
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7

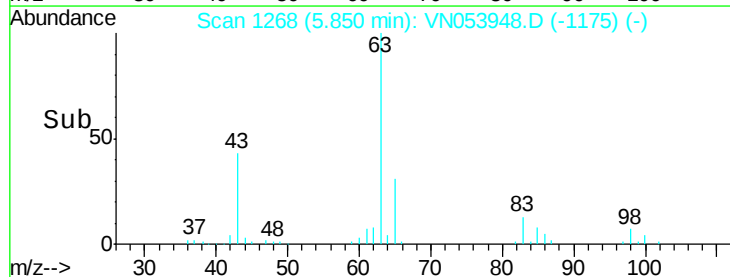
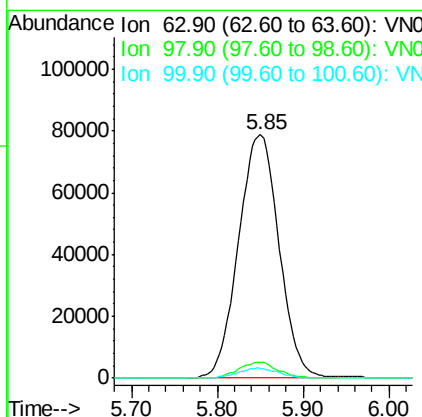
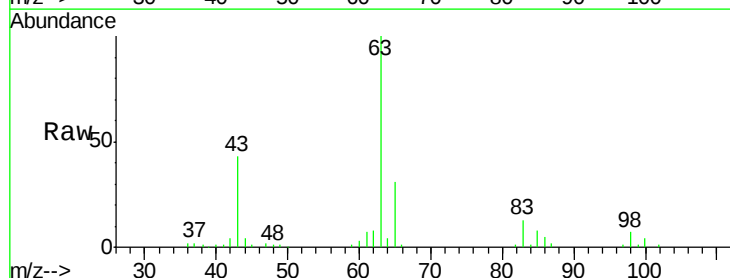
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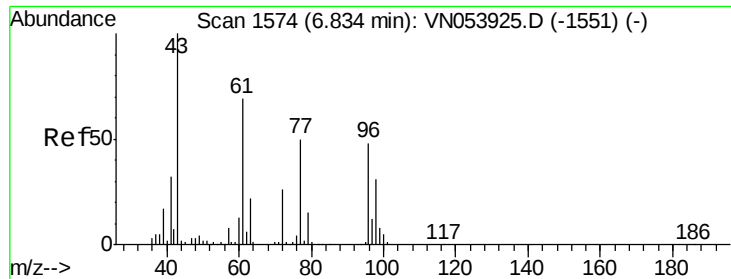
MMDadoda
 2/28/2019 10:49:52 AM



#24
 1,1-Dichloroethane
 Concen: 18.942 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 63 Resp: 258492
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.0 2.2 6.6





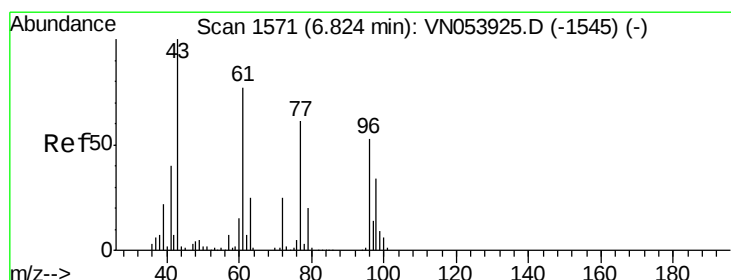
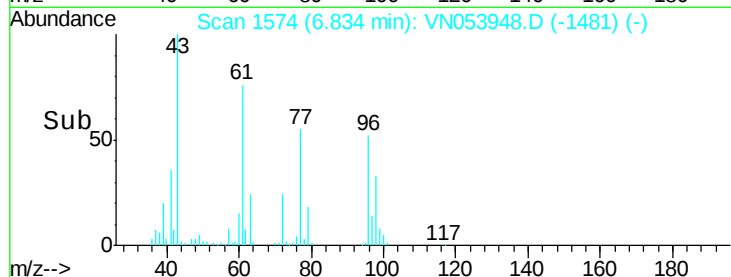
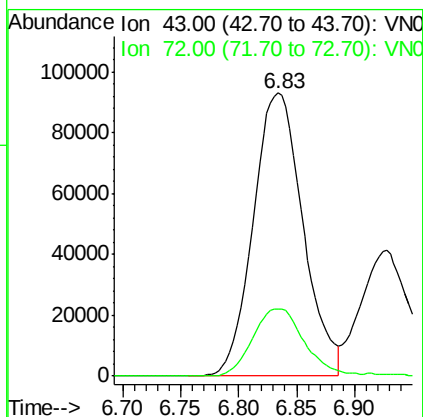
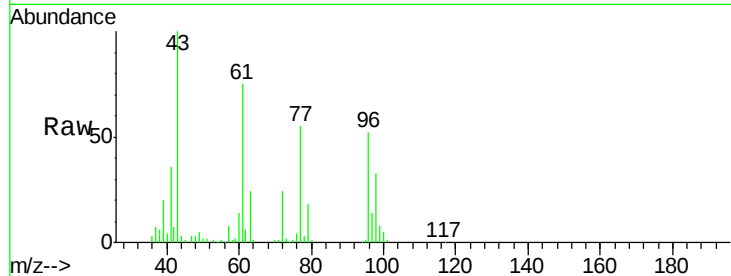
#25
2-Butanone
Concen: 90.294 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tgt Ion: 43 Resp: 276886
Ion Ratio Lower Upper
43 100
72 23.9 22.1 33.1

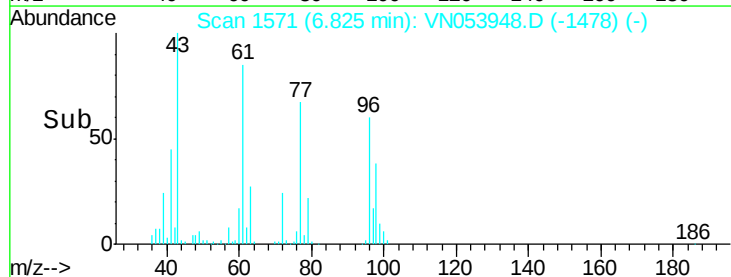
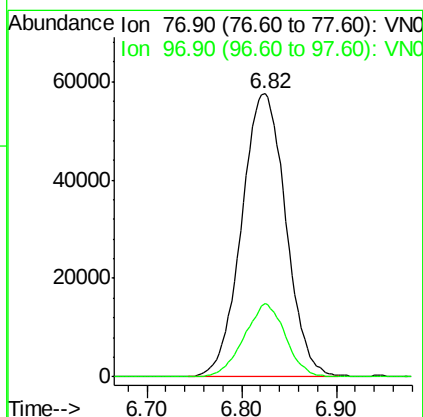
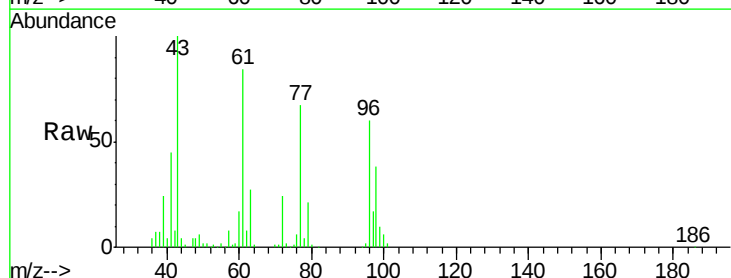
Manual Integrations
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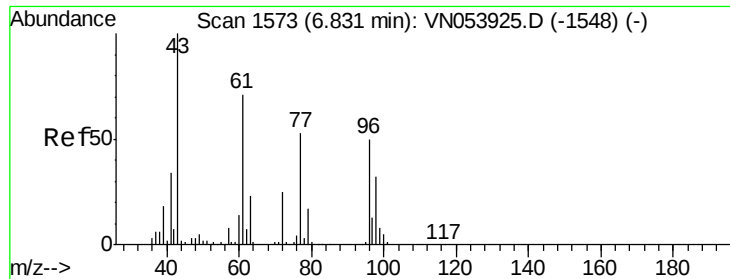
MMDadoda
2/28/2019 10:49:52 AM



#26
2,2-Dichloropropane
Concen: 19.253 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 77 Resp: 186670
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.760 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

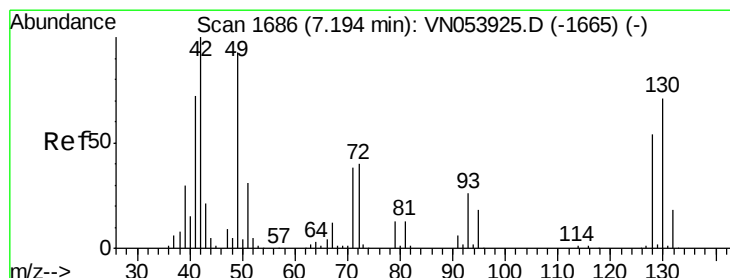
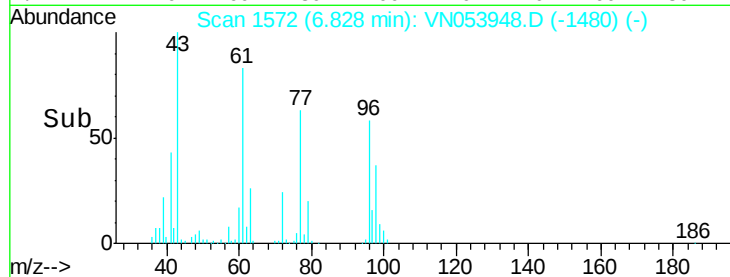
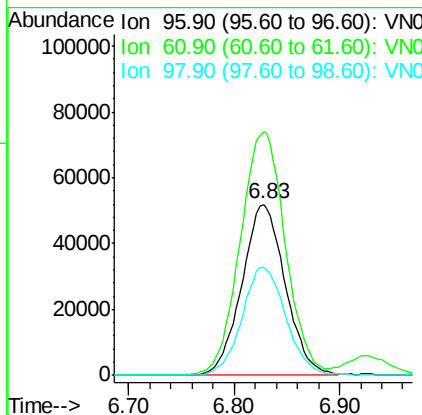
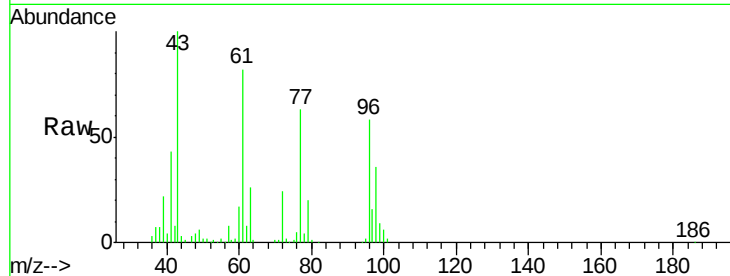
ClientSampled :

VN0226WBS01

Tgt Ion:	96	Resp:	148510
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	275.6
98	64.1	0.0	130.0

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#28

Bromochloromethane

Concen: 21.118 ug/l

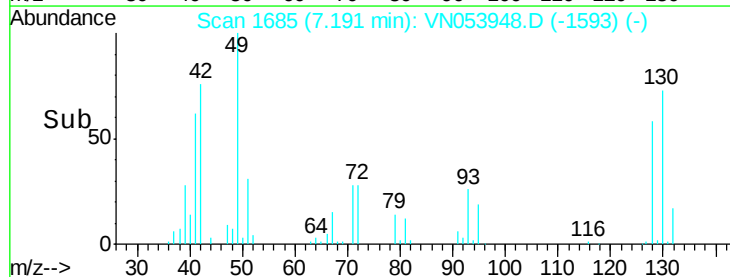
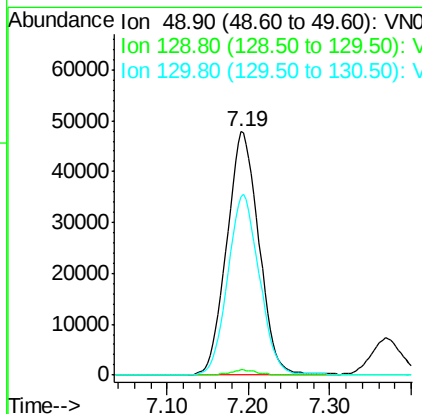
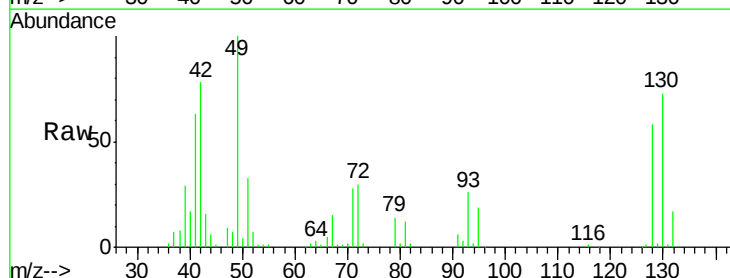
RT: 7.19 min Scan# 1685

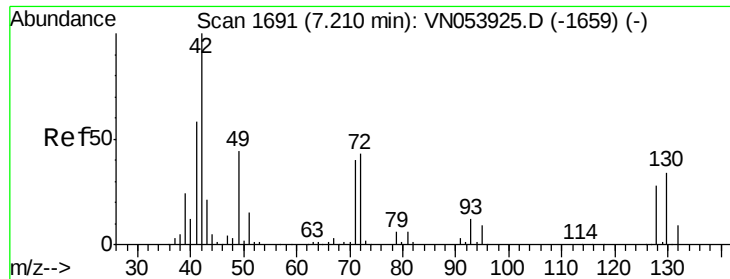
Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	49	Resp:	131915
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	72.6	72.9	109.3#





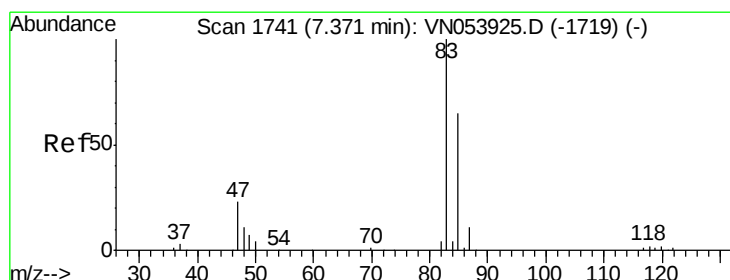
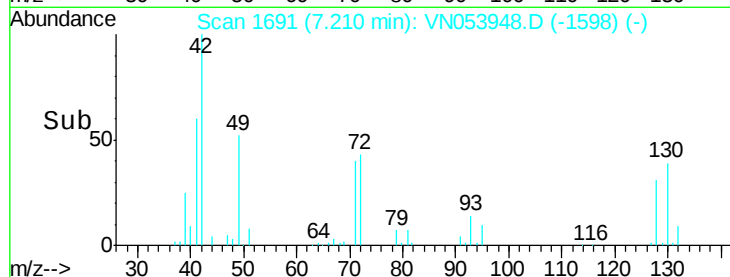
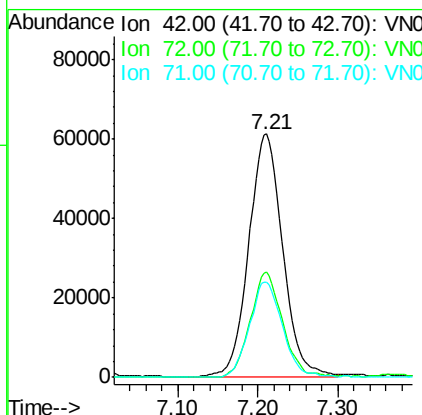
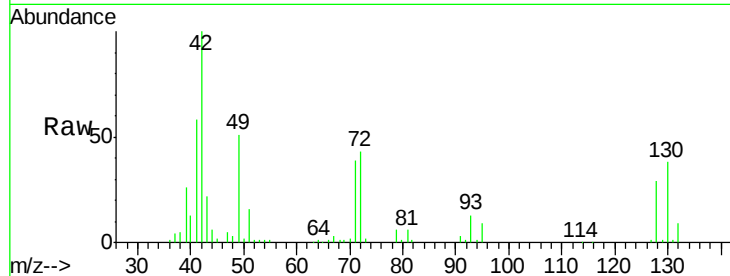
#29
Tetrahydrofuran
Concen: 86.475 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	36.9	55.3
71	38.4	34.6	52.0

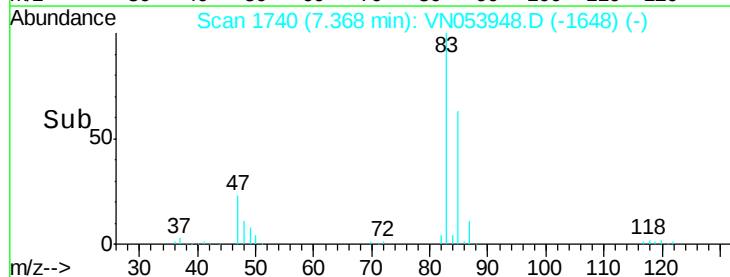
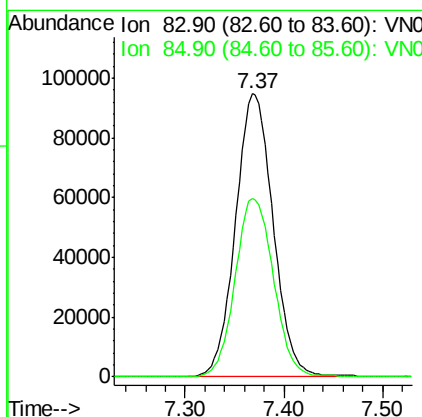
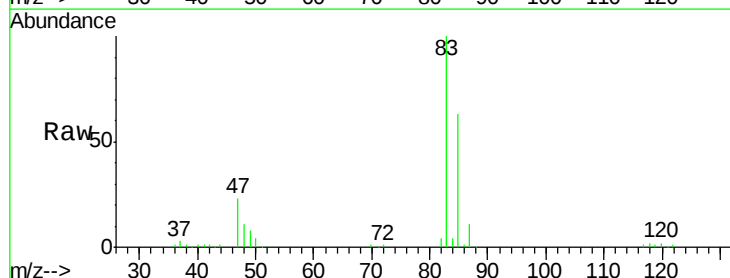
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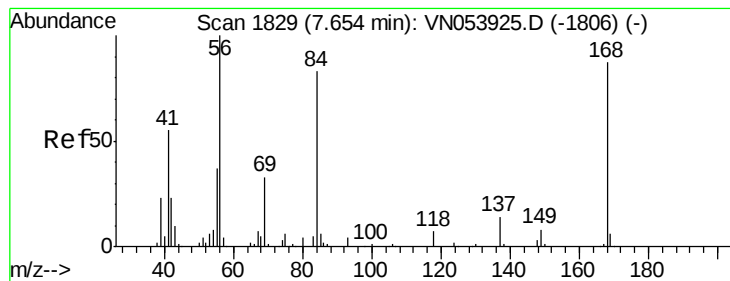
MMDadoda
2/28/2019 10:49:52 AM



#30
Chloroform
Concen: 18.911 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	78.8





#31

Cyclohexane

Concen: 19.551 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 56 Resp: 247282

Ion Ratio Lower Upper

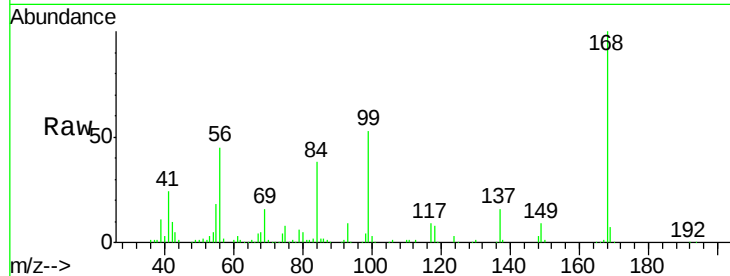
56 100

69 34.7 26.0 39.0

84 84.1 69.1 103.7

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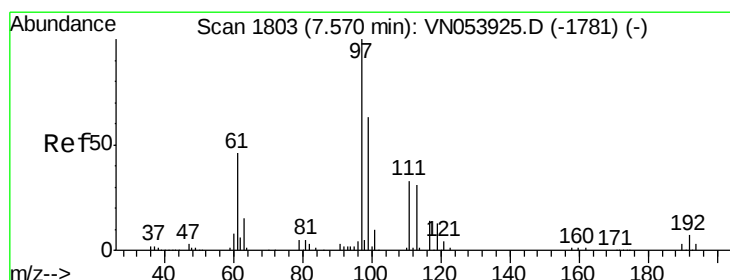
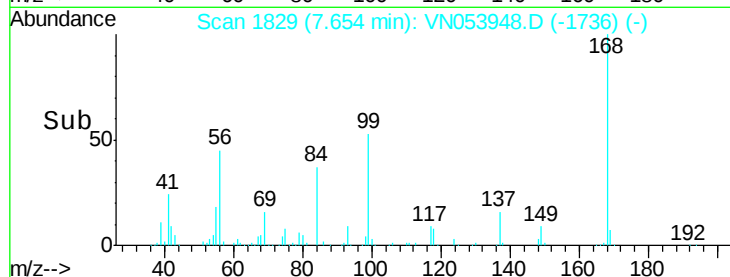
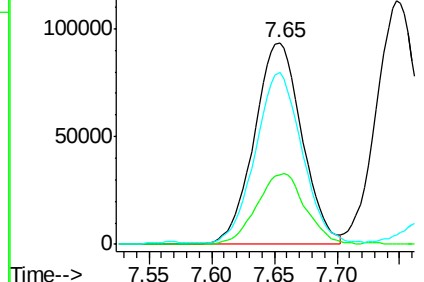
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.886 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

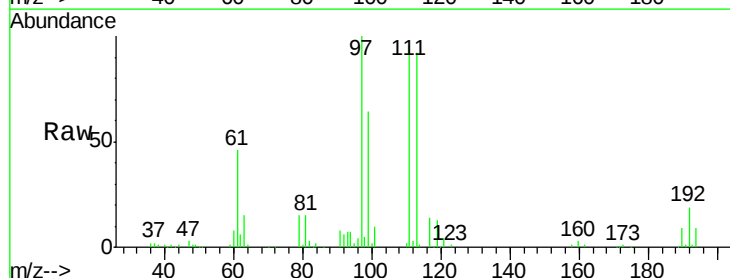
Tgt Ion: 97 Resp: 206057

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

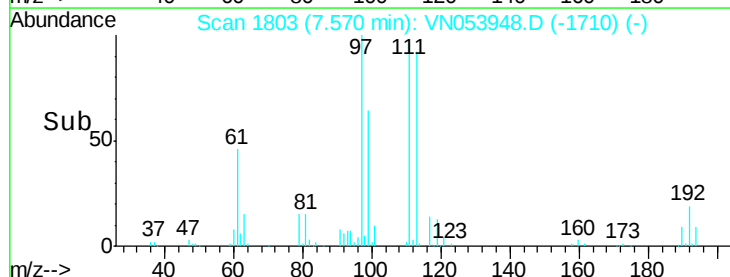
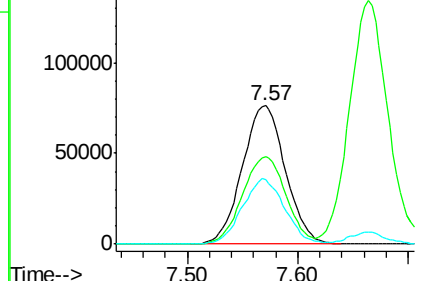
61 46.5 33.2 49.8

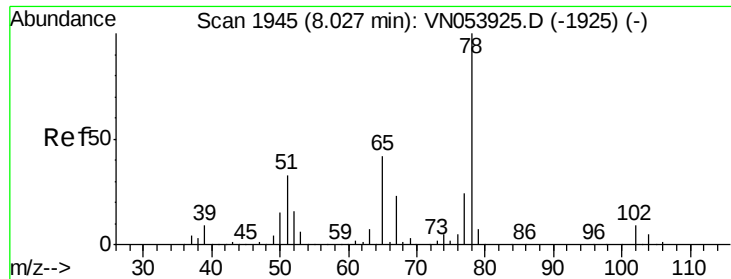


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.149 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 65 Resp: 360417

Ion Ratio Lower Upper

65 100

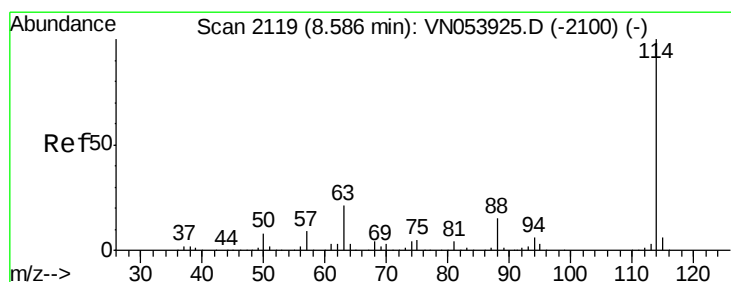
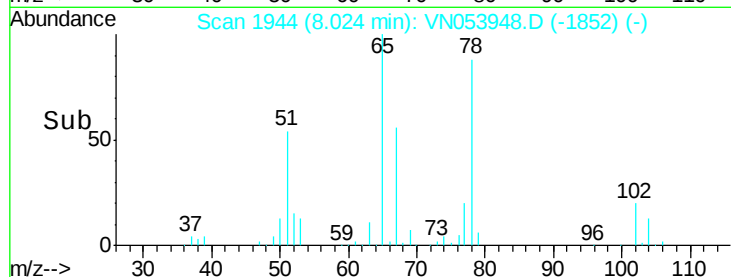
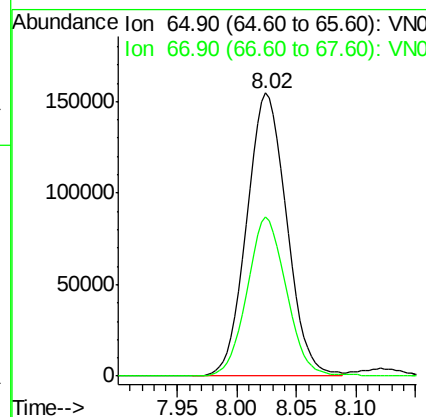
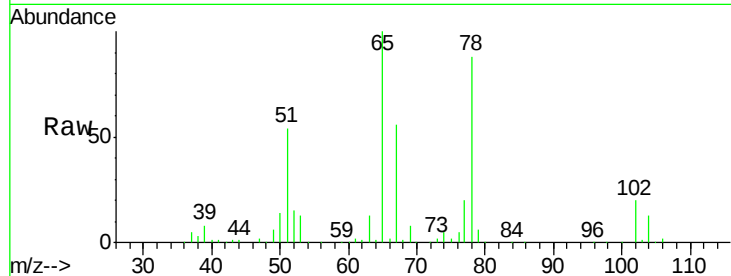
67 55.1 0.0 111.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

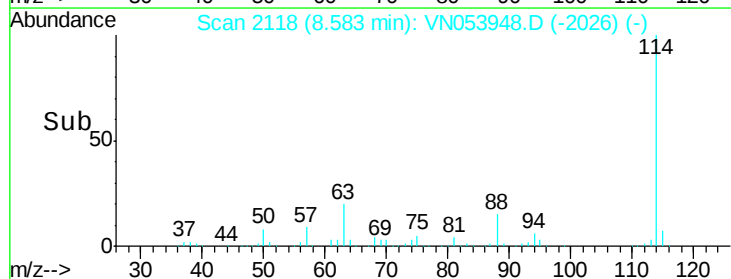
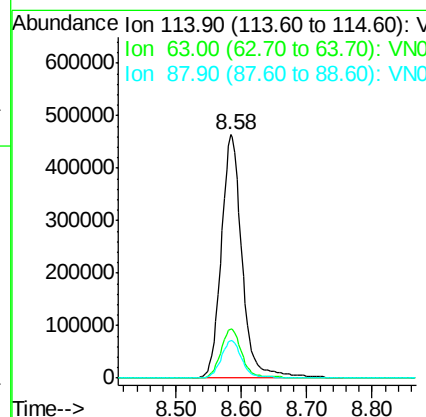
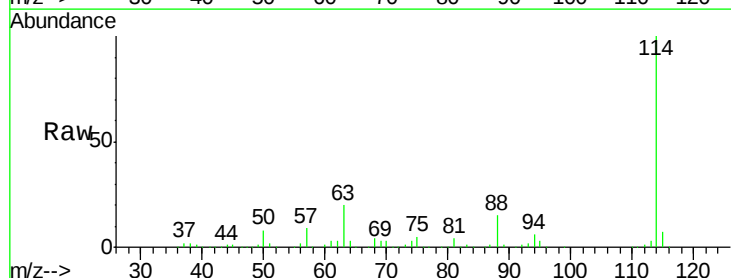
Tgt Ion: 114 Resp: 1028941

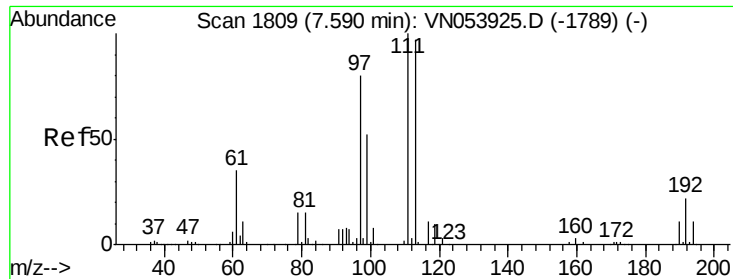
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.3 0.0 30.4





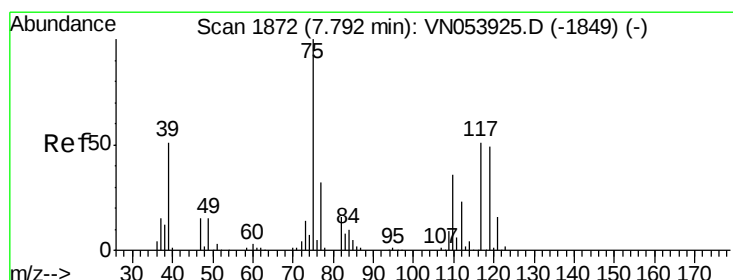
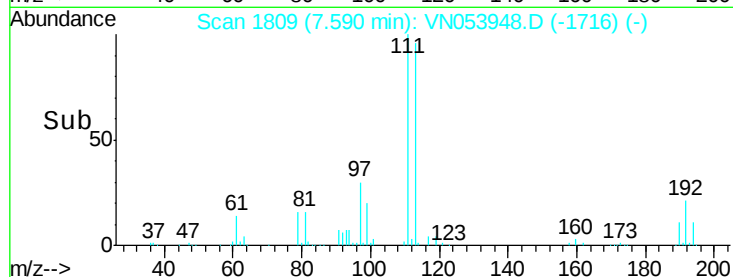
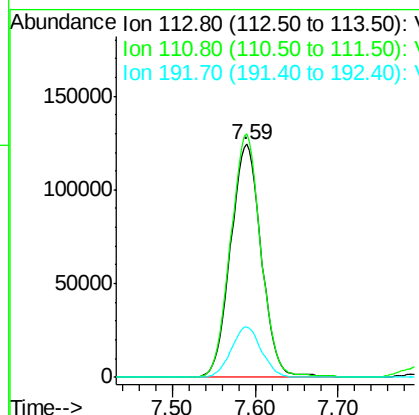
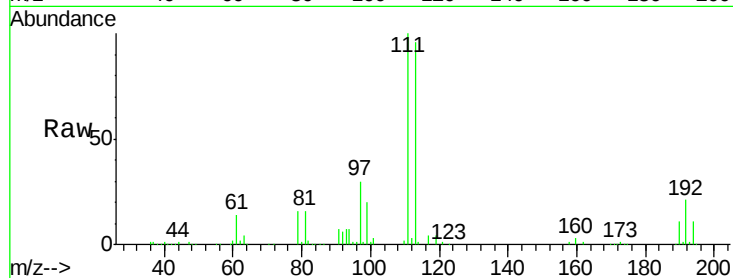
#35
 Dibromofluoromethane
 Concen: 48.301 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	321382		
111	103.3	81.1	121.7	
192	21.3	18.8	28.2	

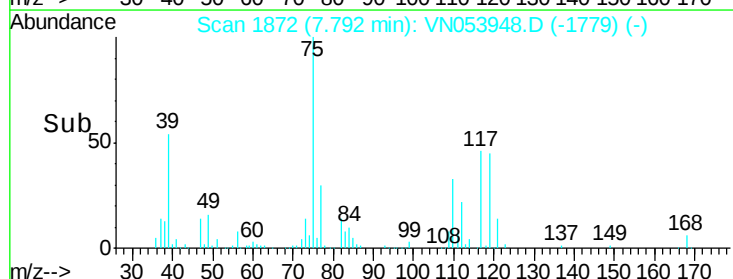
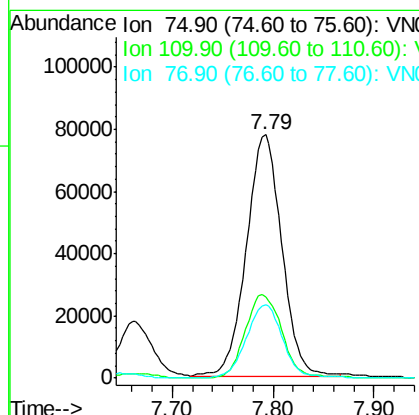
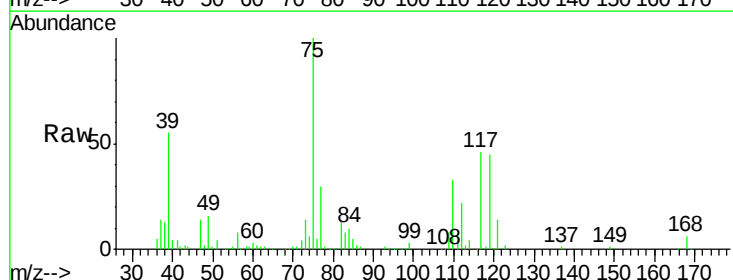
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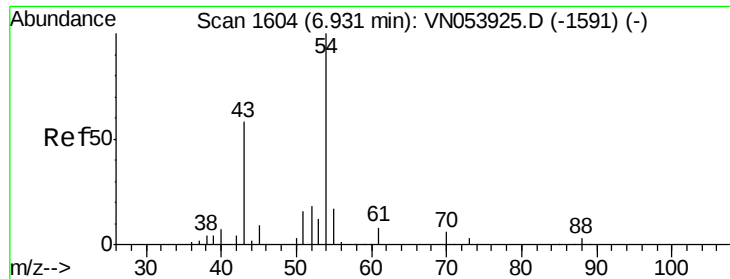
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#36
 1,1-Dichloropropene
 Concen: 19.699 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188497		
110	35.7	19.0	57.0	
77	31.5	25.4	38.0	





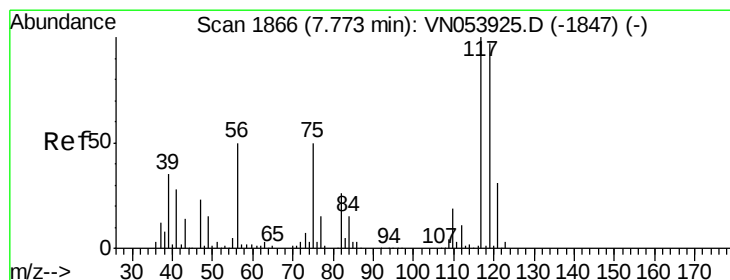
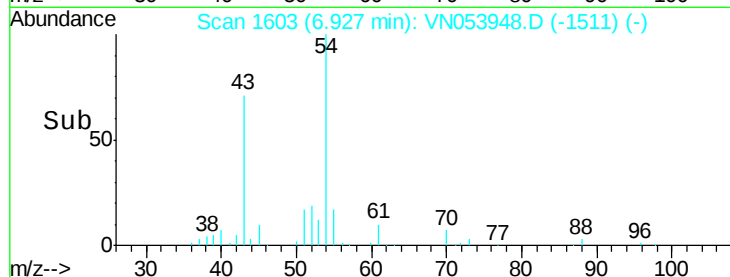
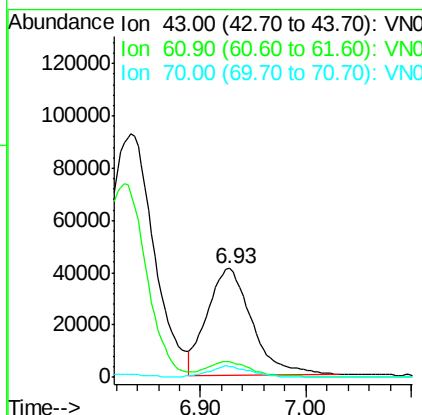
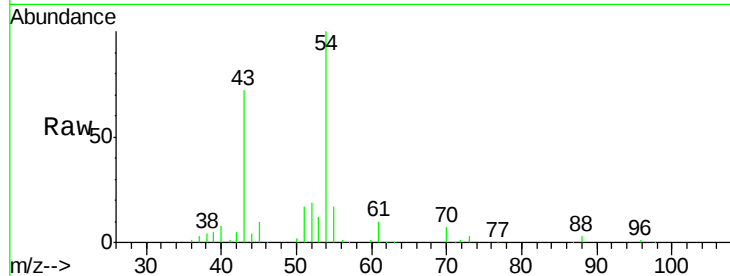
#37
Ethyl Acetate
Concen: 17.600 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	10.1	8.7	13.1

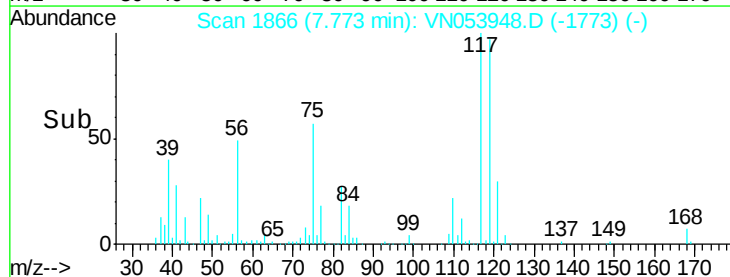
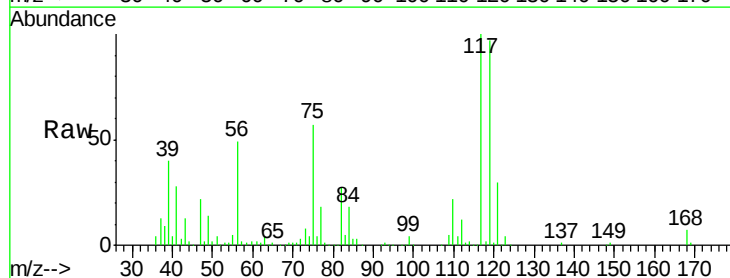
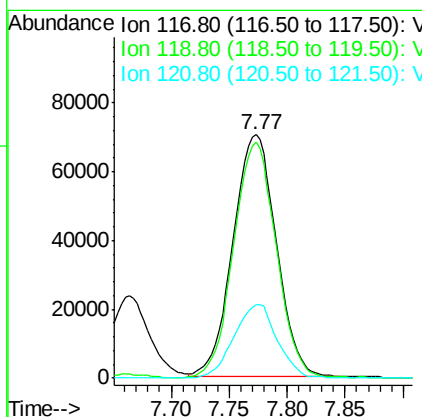
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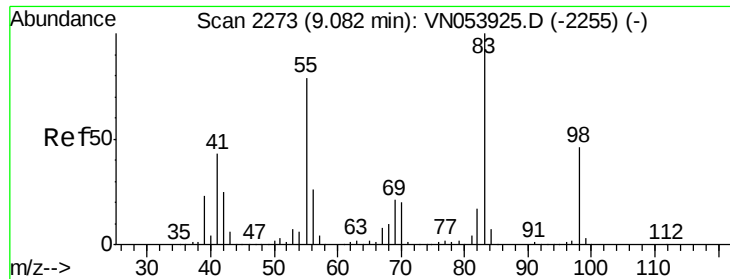
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#38
Carbon Tetrachloride
Concen: 18.409 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	30.3	24.6	36.8





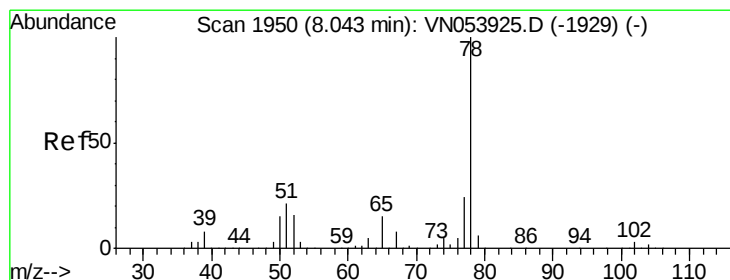
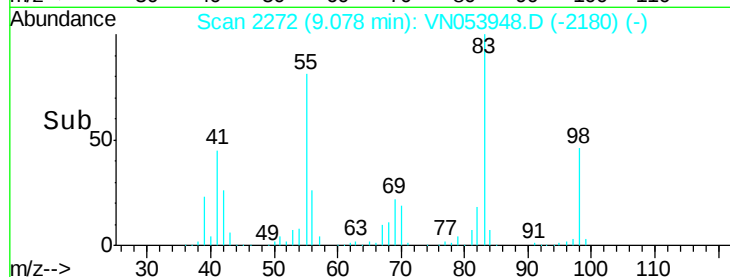
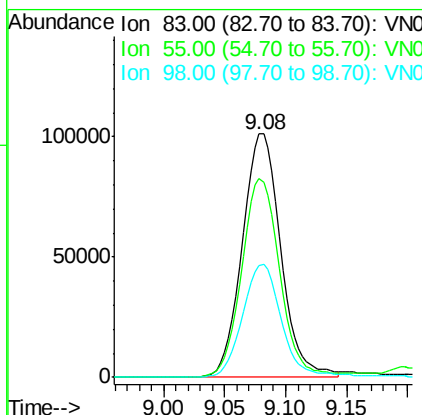
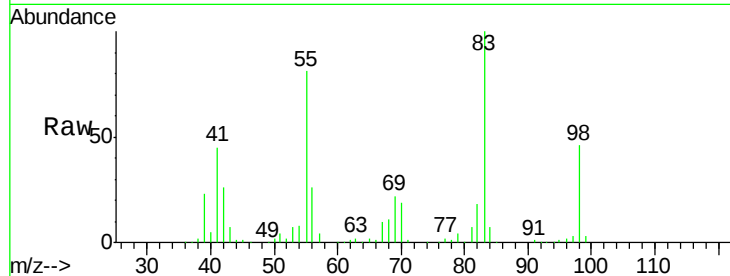
#39
Methylcyclohexane
Concen: 19.118 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	220497		
55	81.5	58.2	87.4	
98	46.1	37.2	55.8	

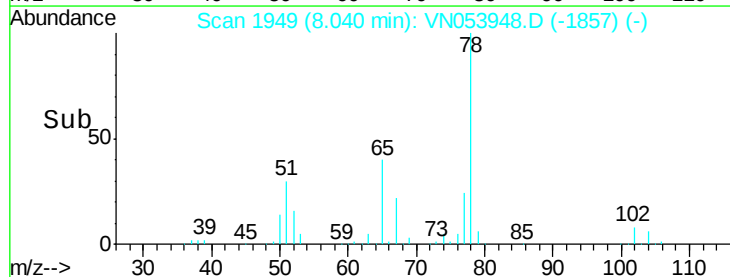
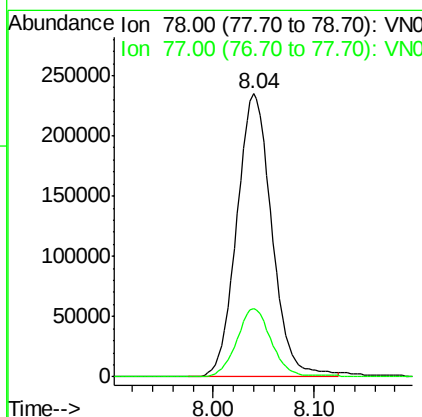
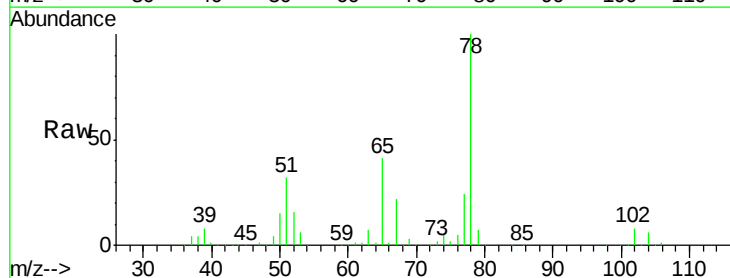
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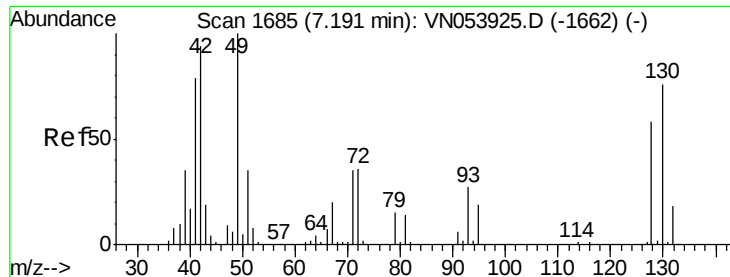
MMDadoda
2/28/2019 10:49:52 AM



#40
Benzene
Concen: 19.272 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	566519		
77	24.0	18.8	28.2	





#41

Methacrylonitrile

Concen: 16.132 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 41 Resp: 70972
Ion Ratio Lower Upper

41 100

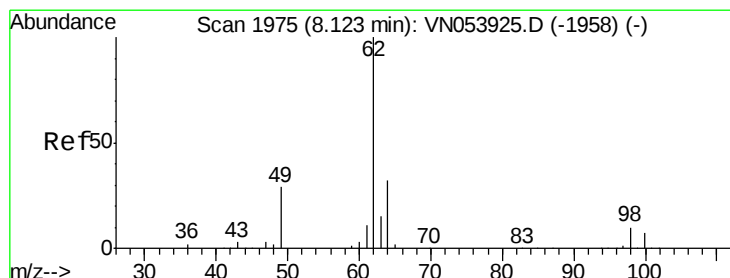
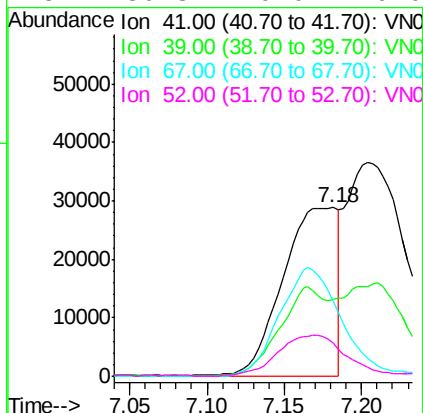
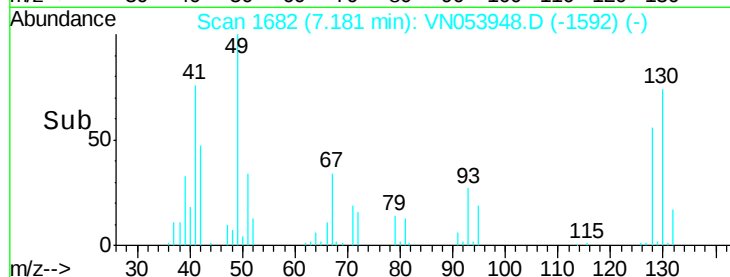
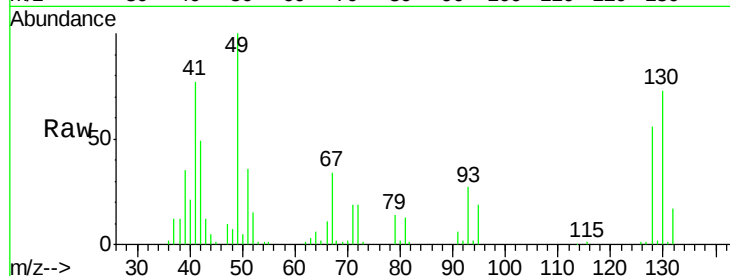
39 44.3 0.0 0.0#

67 72.5 0.0 0.0#

52 30.3 0.0 0.0#

Manual Integrations
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MMDadoda
2/28/2019 10:49:52 AM



#42

1,2-Dichloroethane

Concen: 19.453 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

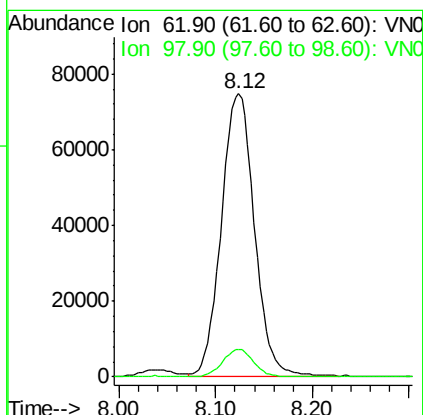
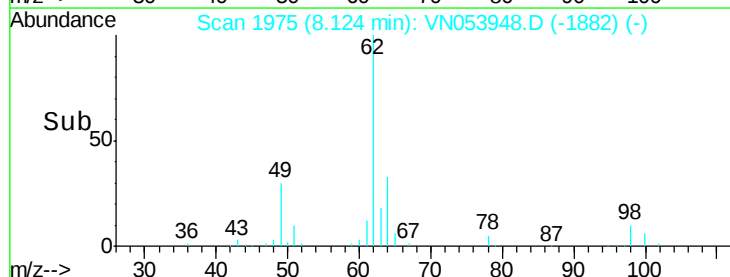
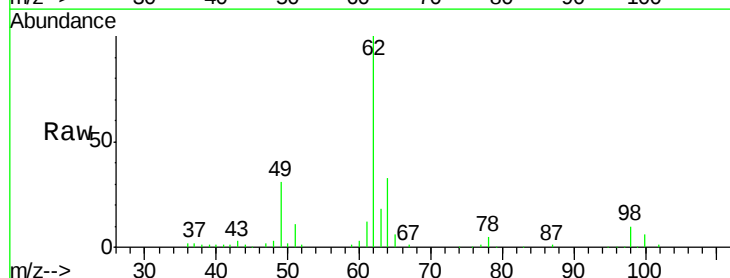
Lab File: VN053948.D

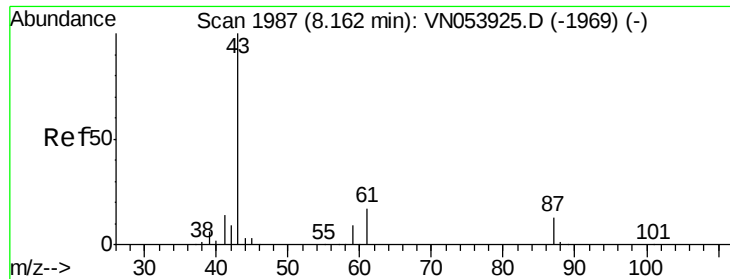
Acq: 26 Feb 2019 12:10

Tgt Ion: 62 Resp: 177033
Ion Ratio Lower Upper

62 100

98 9.1 0.0 20.8





#43

Isopropyl Acetate

Concen: 17.833 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

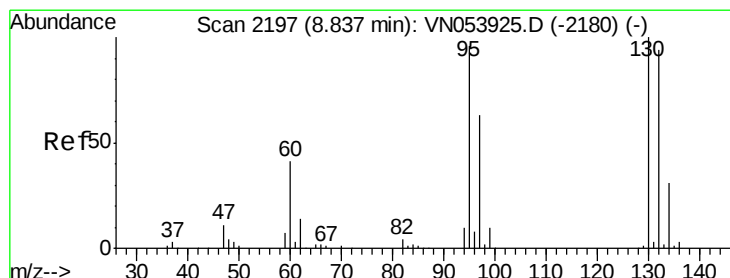
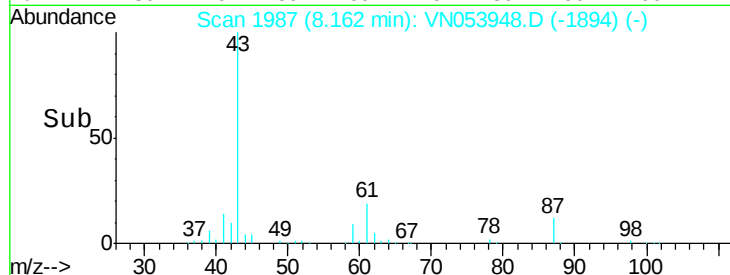
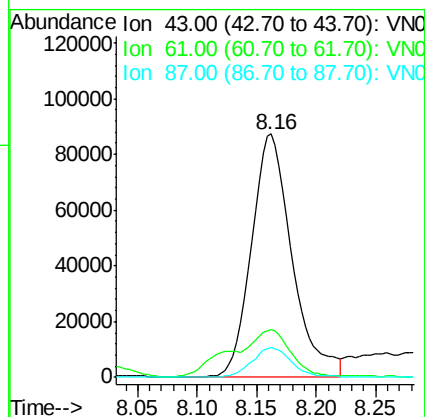
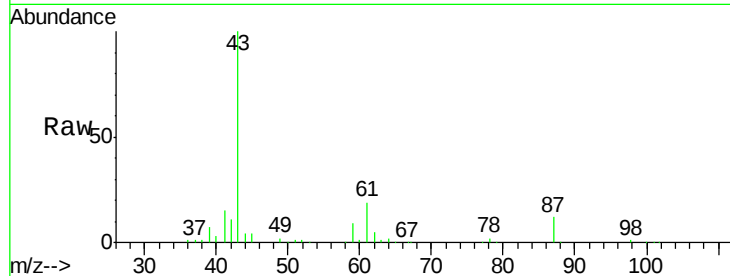
ClientSampleId :

VN0226WBS01

Tgt Ion:	43	Resp:	205725
Ion	Ratio	Lower	Upper
43	100		
61	17.4	17.4	26.0
87	12.0	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.381 ug/l

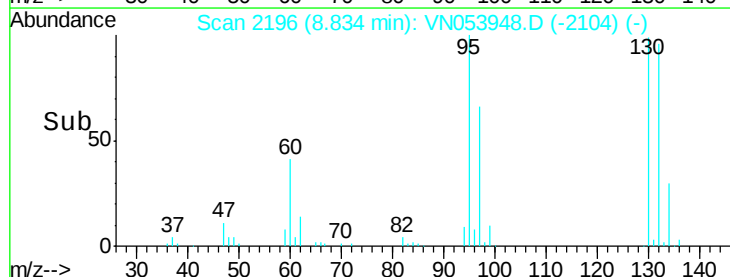
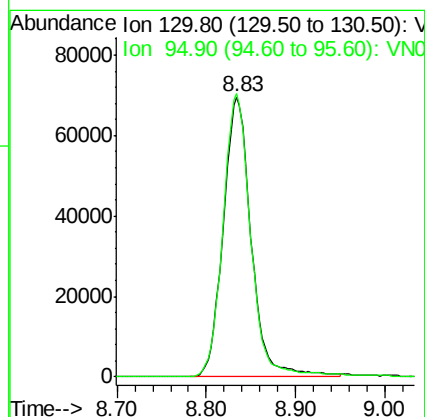
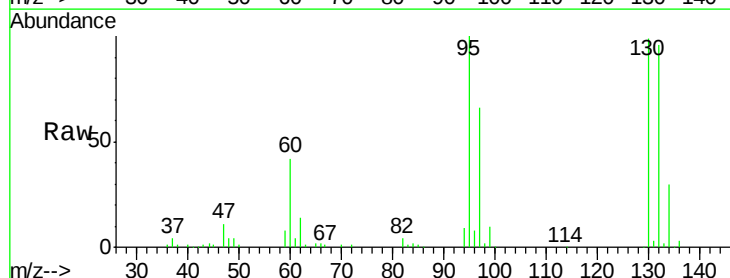
RT: 8.83 min Scan# 2196

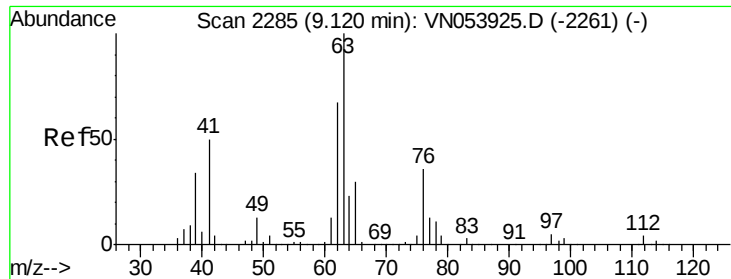
Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	130	Resp:	151038
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	190.0





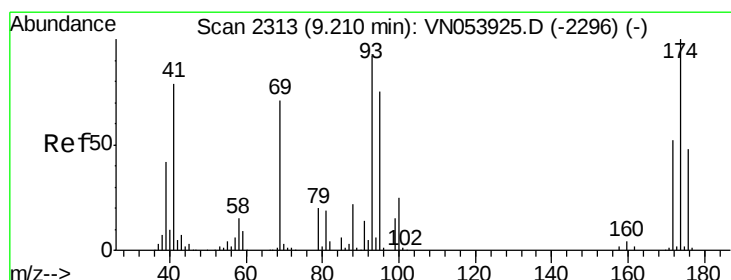
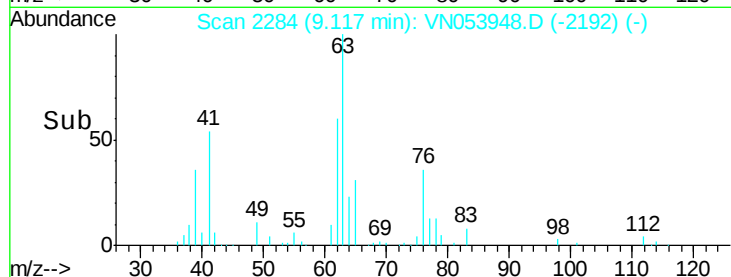
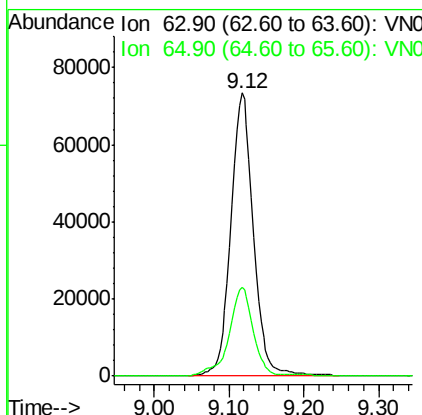
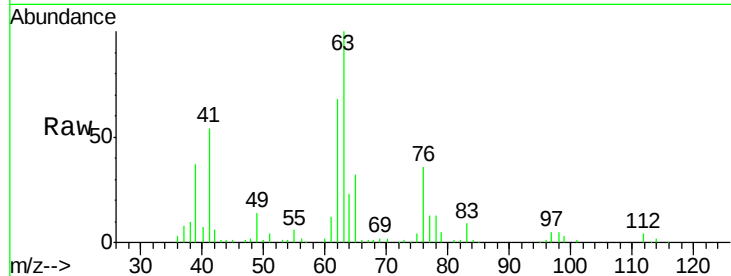
#45
 1,2-Dichloropropane
 Concen: 19.467 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion: 63 Resp: 154387
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

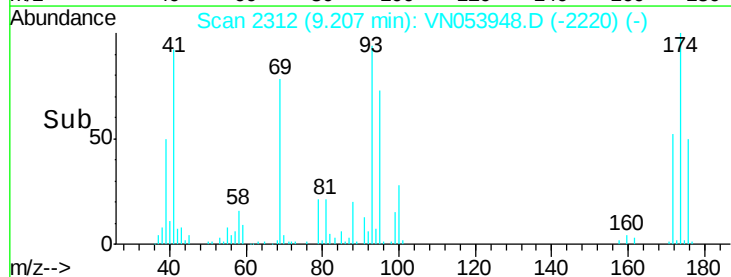
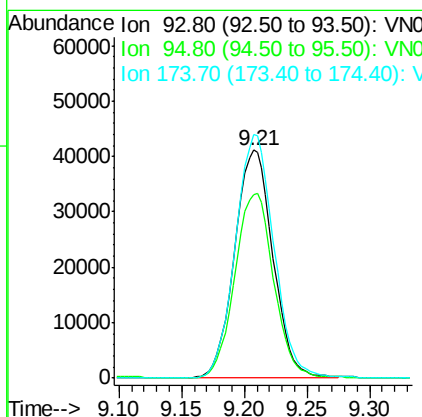
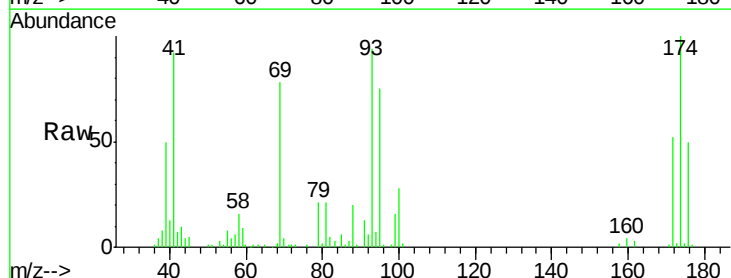
Manual Integrations
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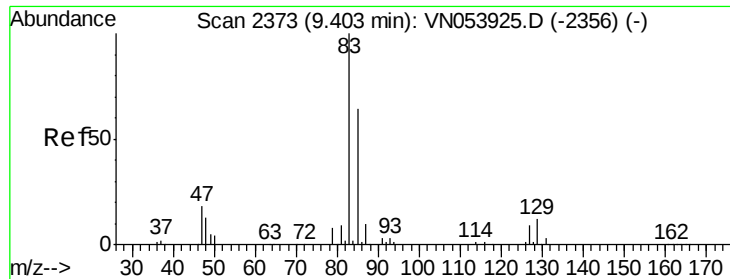
MMDadoda
 2/28/2019 10:49:52 AM



#46
 Dibromomethane
 Concen: 19.040 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 93 Resp: 87664
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 107.5 96.2 144.4





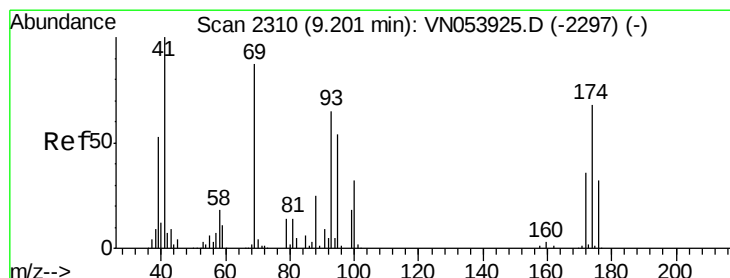
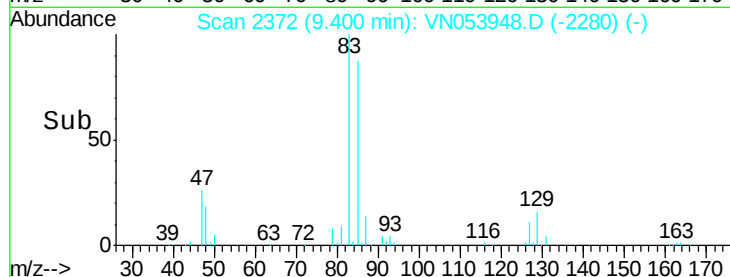
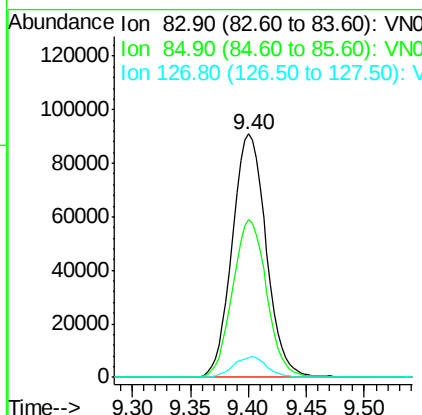
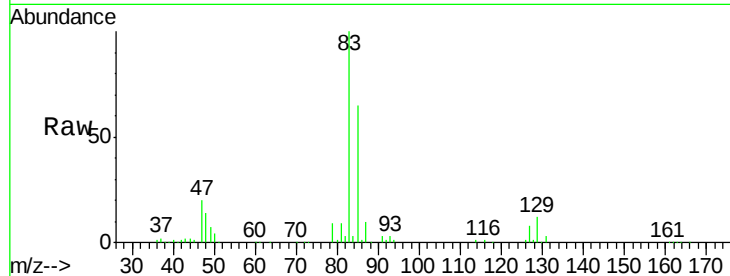
#47
Bromodichloromethane
Concen: 19.065 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	184992		
85	64.8	51.8	77.6	
127	8.2	7.4	11.0	

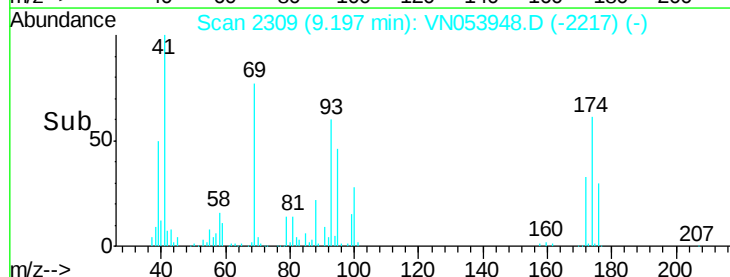
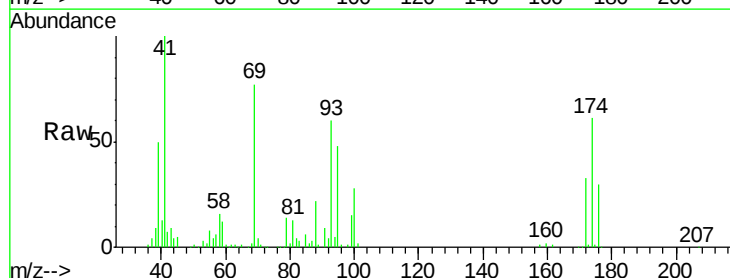
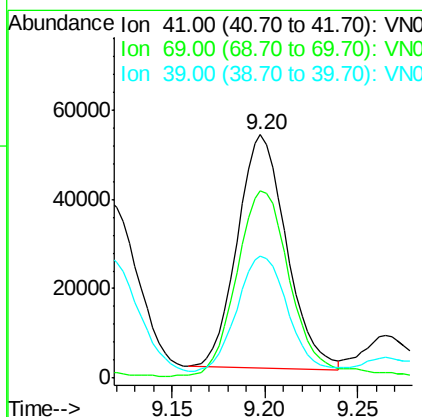
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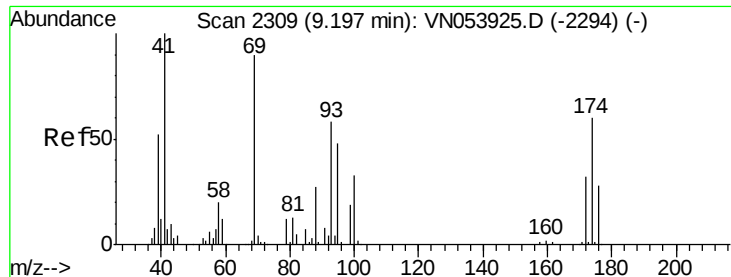
MMDadoda
2/28/2019 10:49:52 AM



#48
Methyl methacrylate
Concen: 18.150 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	96308		
69	87.9	74.8	112.2	
39	58.1	39.0	58.6	





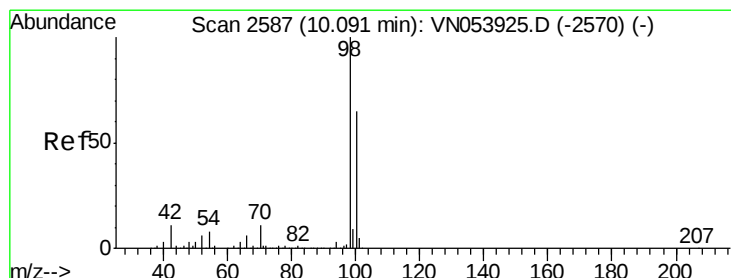
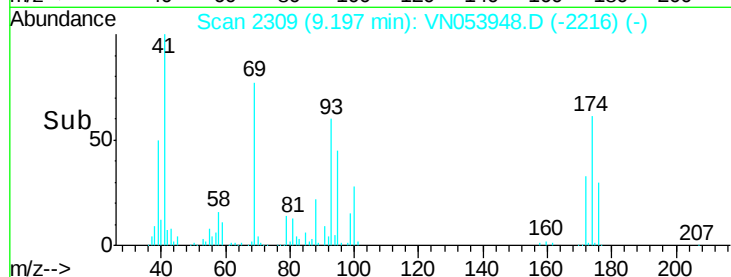
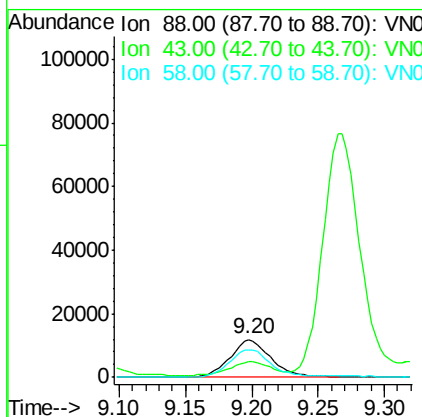
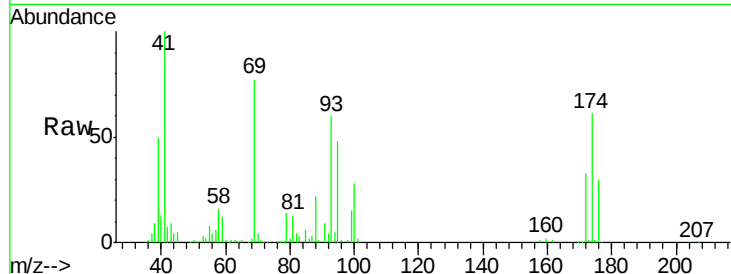
#49
1,4-Dioxane
Concen: 350.802 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion: 88 Resp: 25212
Ion Ratio Lower Upper
88 100
43 37.0 21.2 31.8#
58 75.8 54.2 81.2

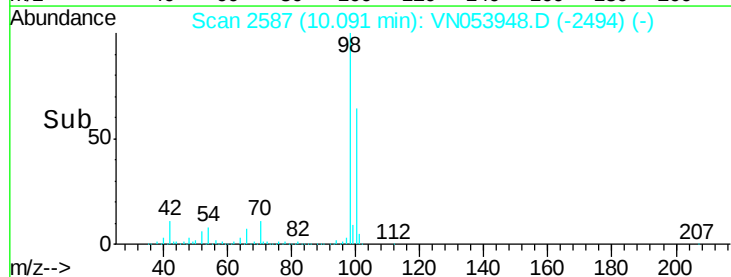
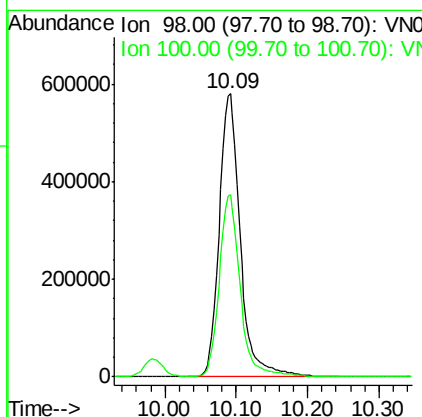
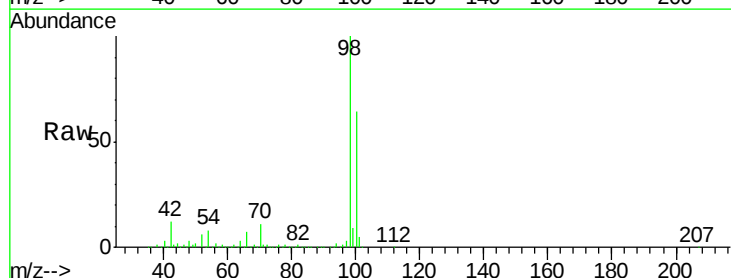
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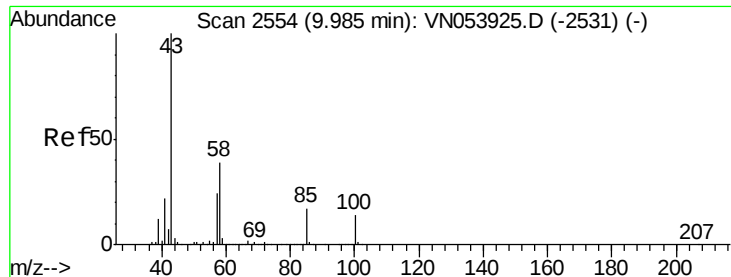
MMDadoda
2/28/2019 10:49:52 AM



#50
Toluene-d8
Concen: 47.870 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 98 Resp: 1185697
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9





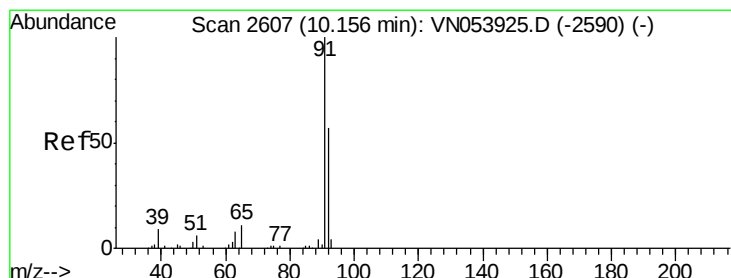
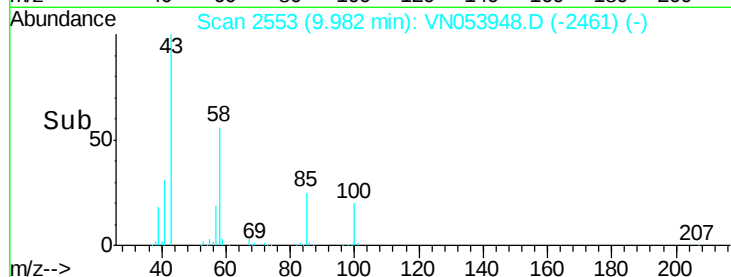
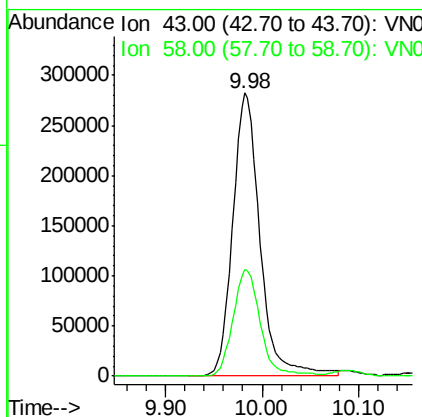
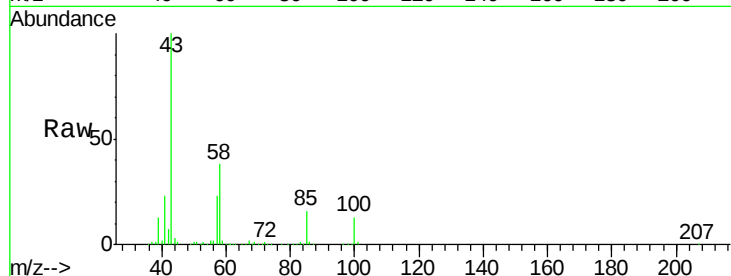
#51
4-Methyl-2-Pentanone
Concen: 92.830 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion: 43 Resp: 550297
Ion Ratio Lower Upper
43 100
58 37.9 32.7 49.1

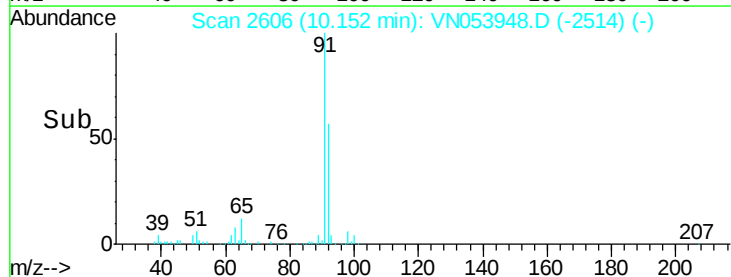
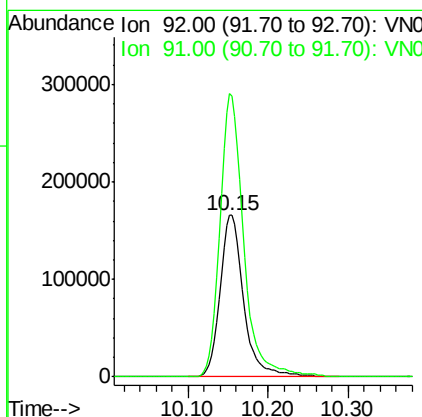
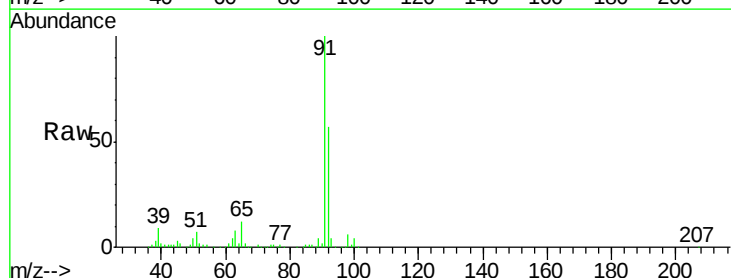
Manual Integrations
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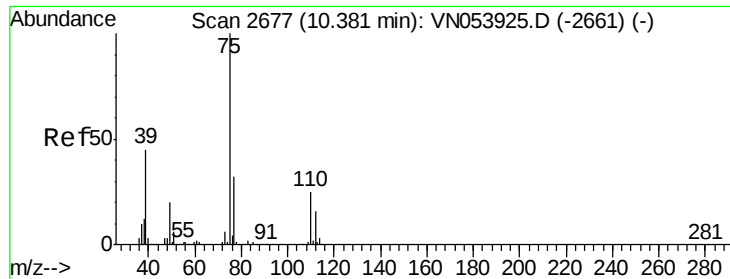
MMDadoda
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#52
Toluene
Concen: 19.640 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 92 Resp: 339952
Ion Ratio Lower Upper
92 100
91 175.6 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 19.050 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

Tgt Ion: 75 Resp: 179849

Ion Ratio Lower Upper

75 100

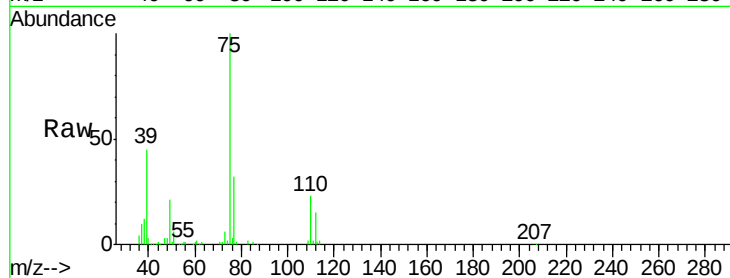
77 31.6 25.0 37.6

Manual Integrations

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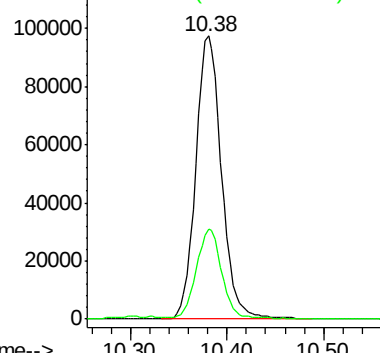
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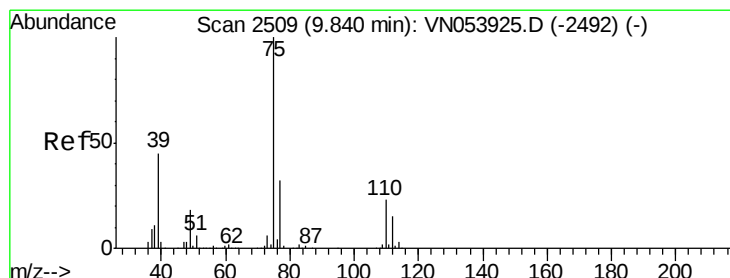
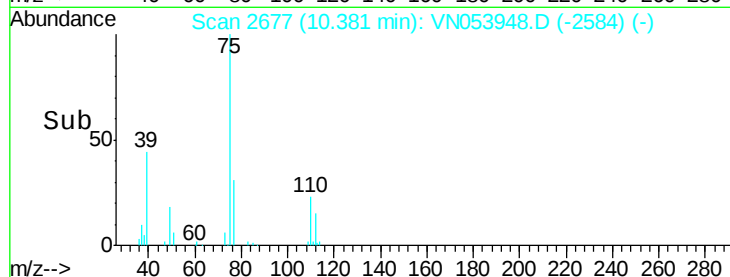


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.303 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

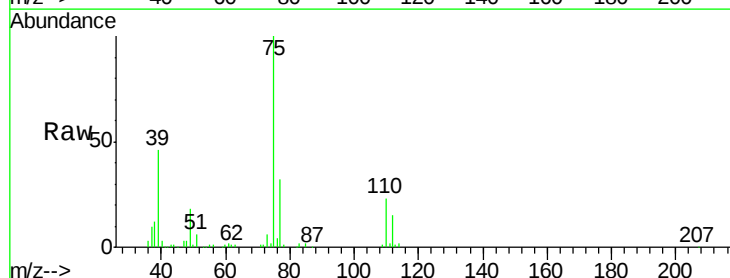
Tgt Ion: 75 Resp: 214846

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

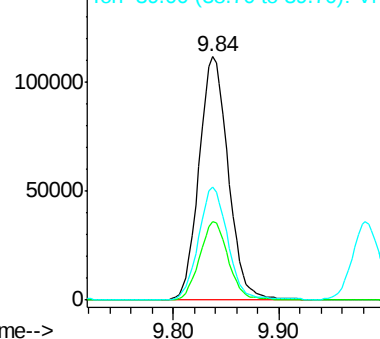
39 46.1 31.4 47.0



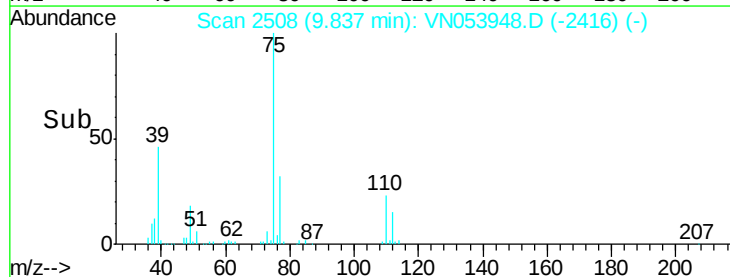
Abundance Ion 74.90 (74.60 to 75.60): VN0

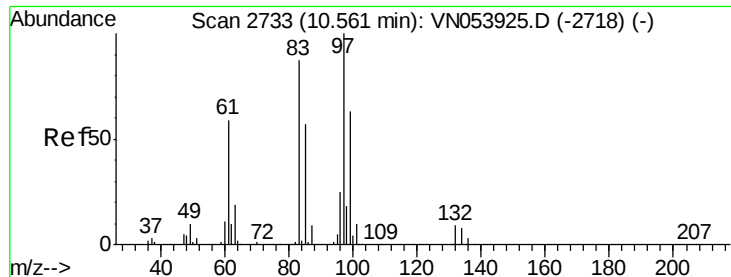
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





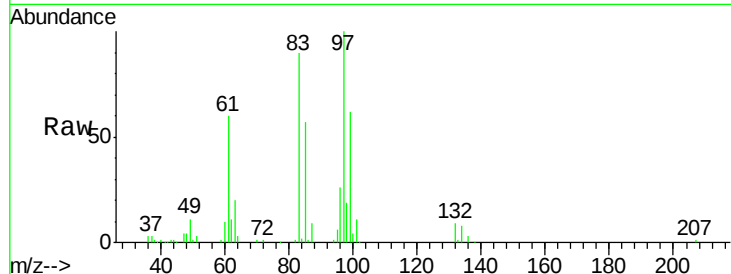
#55
 1,1,2-Trichloroethane
 Concen: 19.284 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	56.6	45.9	68.9
99	62.1	49.1	73.7

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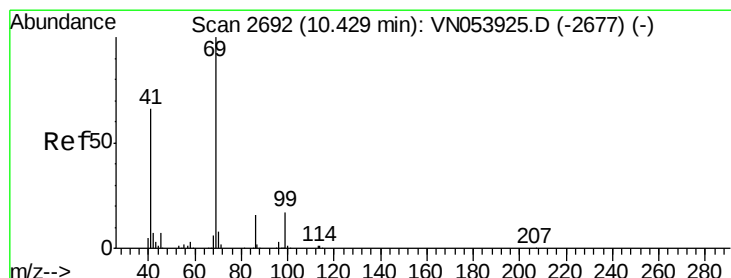
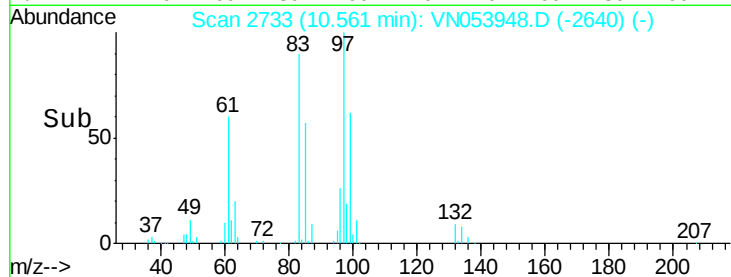
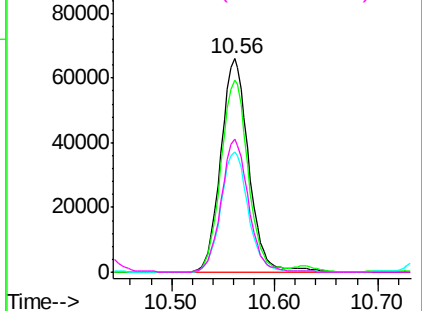


Abundance Ion 96.90 (96.60 to 97.60): VN053948.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN053948.D (-2640) (-)

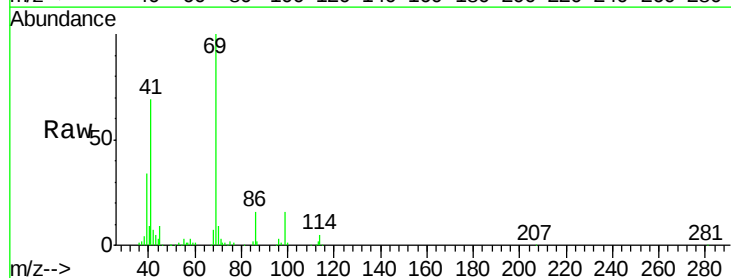
Ion 84.90 (84.60 to 85.60): VN053948.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN053948.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 17.960 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

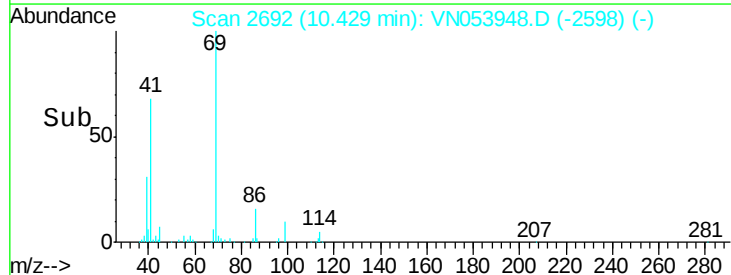
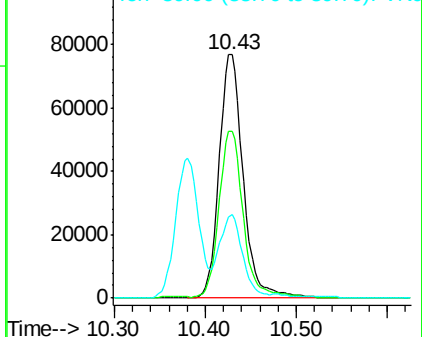
Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	47.5	71.3
39	31.1	23.4	35.0

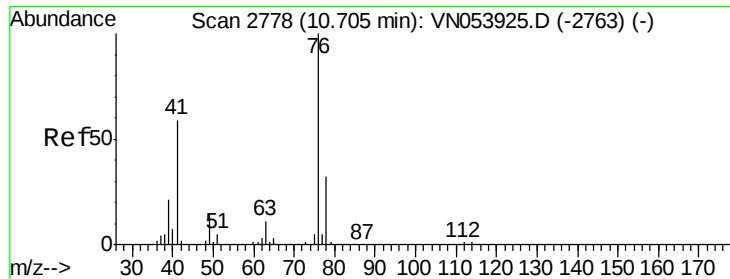


Abundance Ion 69.00 (68.70 to 69.70): VN053948.D (-2598) (-)

Ion 41.00 (40.70 to 41.70): VN053948.D (-2598) (-)

Ion 39.00 (38.70 to 39.70): VN053948.D (-2598) (-)





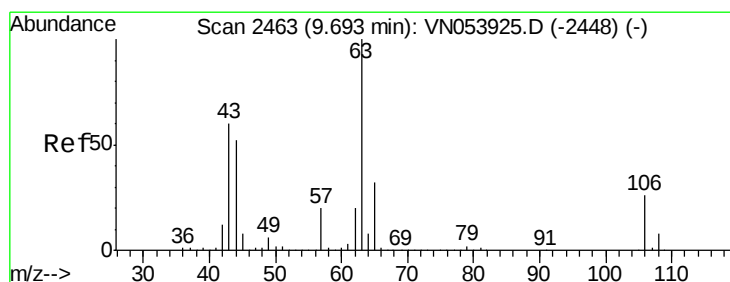
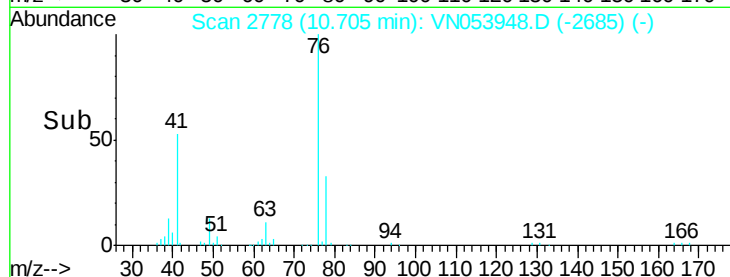
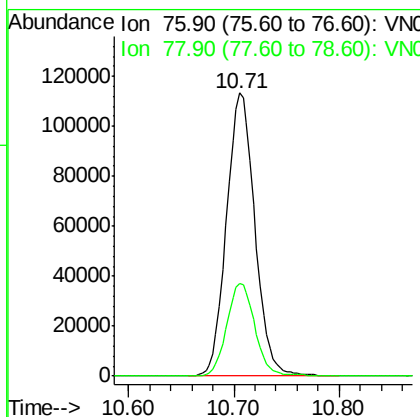
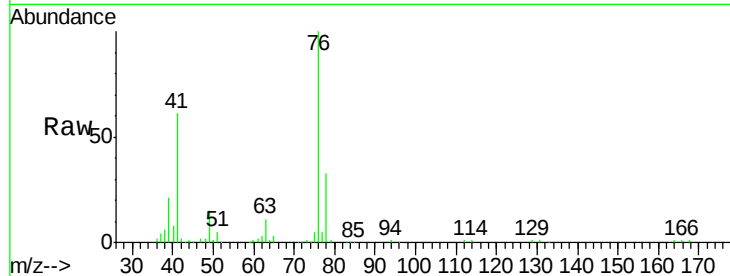
#57
 1,3-Dichloropropane
 Concen: 19.282 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion: 76 Resp: 210608
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

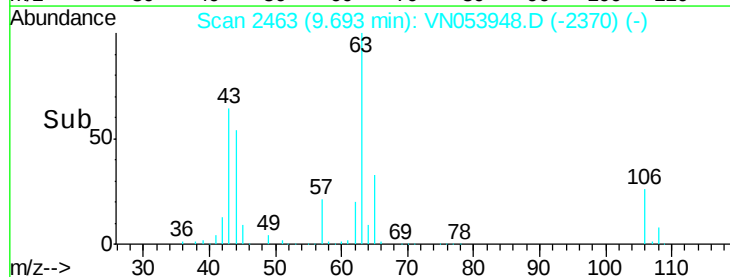
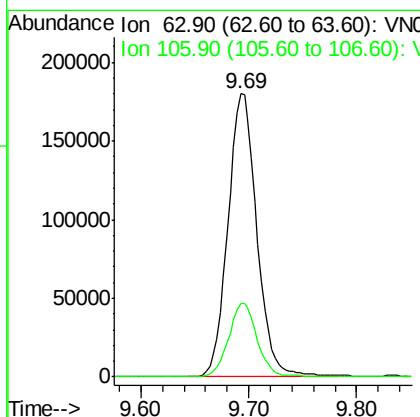
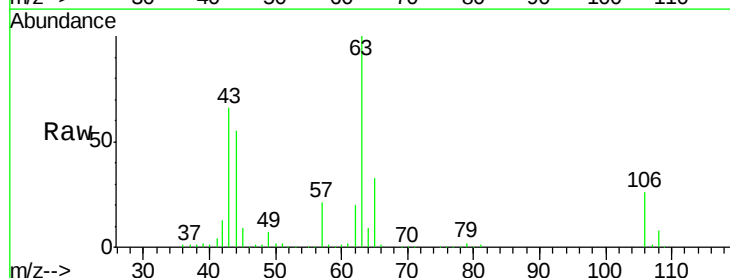
Manual Integrations
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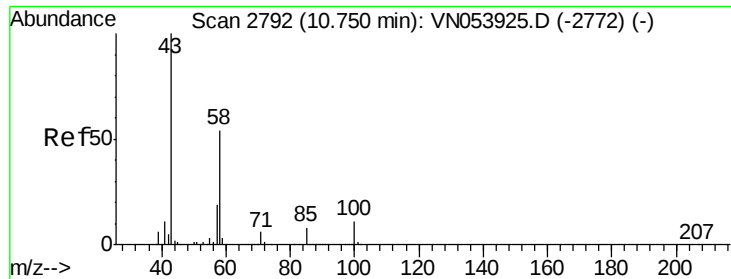
MMDadoda
 2/28/2019 10:49:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.039 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 63 Resp: 335639
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.2 33.2





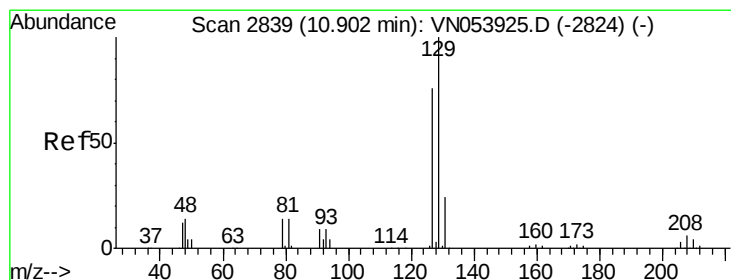
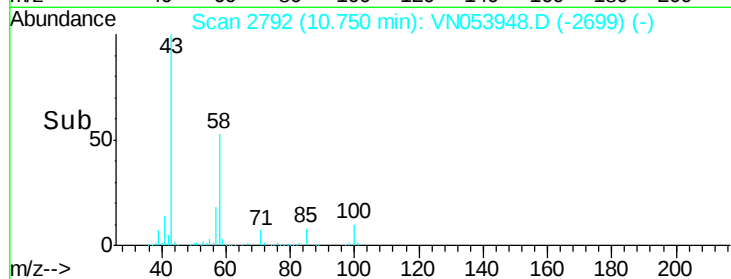
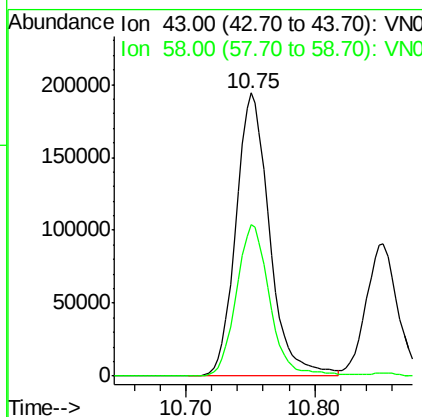
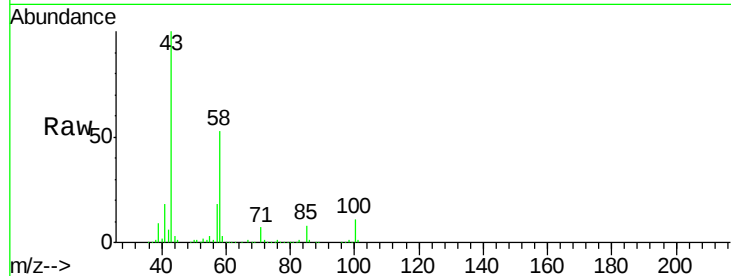
#59
2-Hexanone
Concen: 90.822 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion: 43 Resp: 350164
Ion Ratio Lower Upper
43 100
58 53.7 29.1 87.4

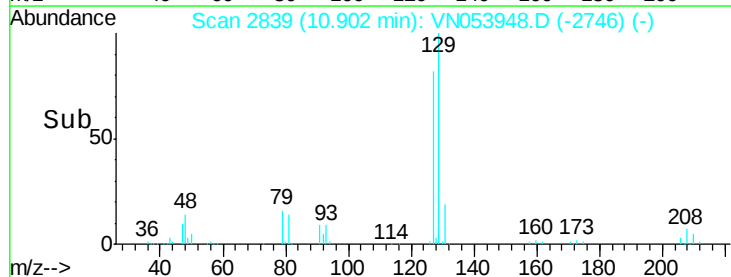
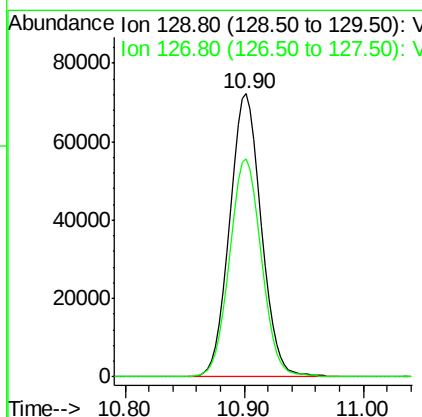
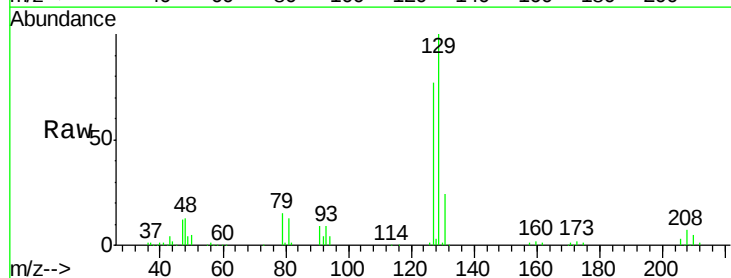
Manual Integrations
APPROVED

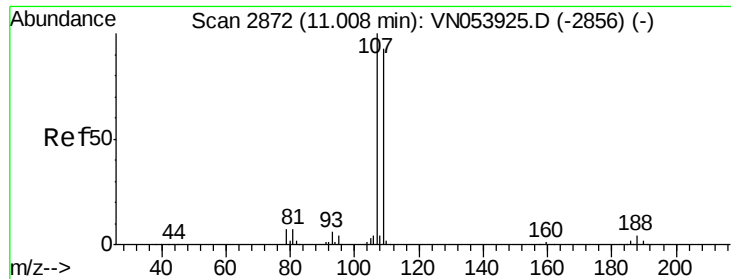
MMDadoda
2/28/2019 10:49:52 AM



#60
Dibromochloromethane
Concen: 18.556 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 129 Resp: 133309
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





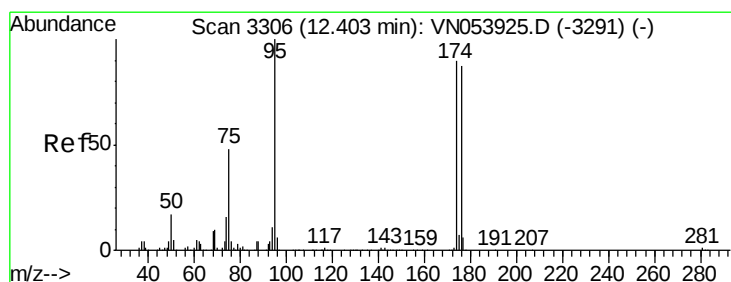
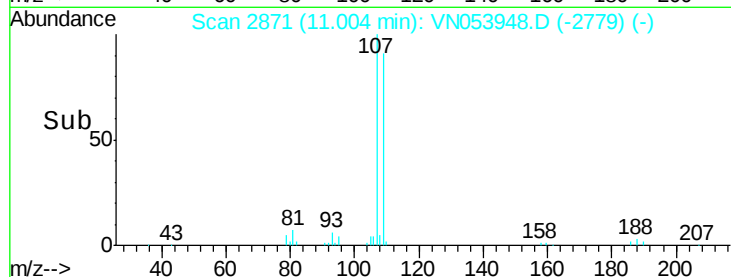
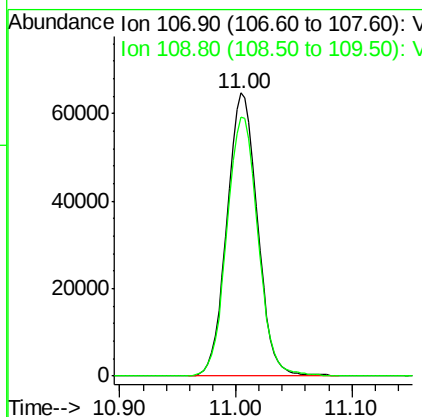
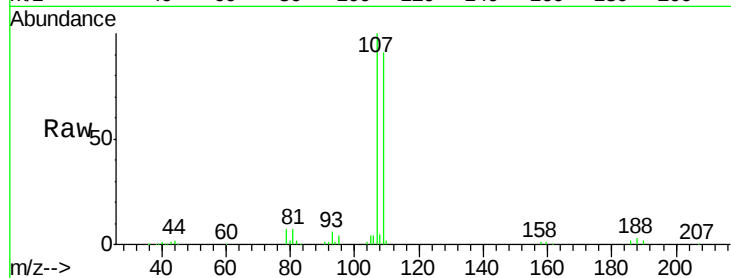
#61
1,2-Dibromoethane
Concen: 18.840 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.3	114.5

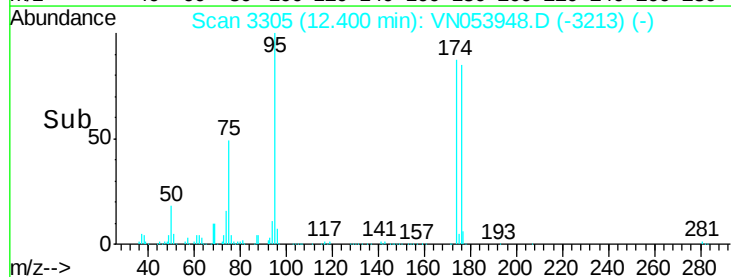
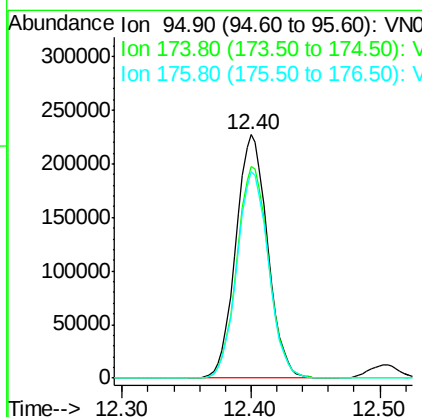
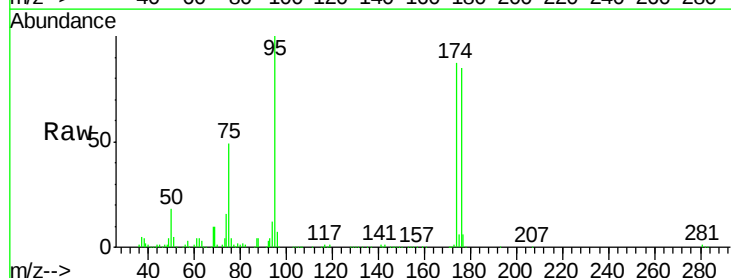
Manual Integrations
APPROVED

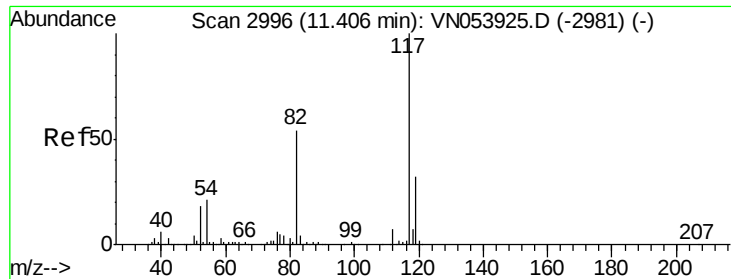
MMDadoda
2/28/2019 10:49:52 AM



#62
4-Bromofluorobenzene
Concen: 47.214 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	188.8
176	84.6	0.0	182.6





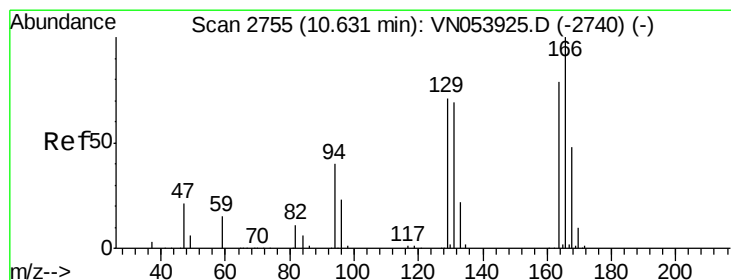
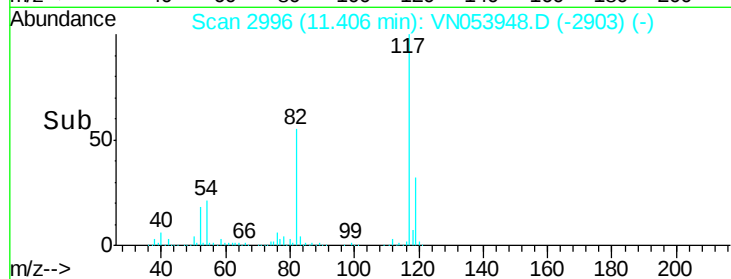
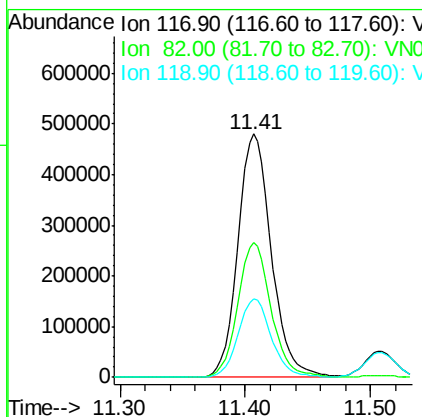
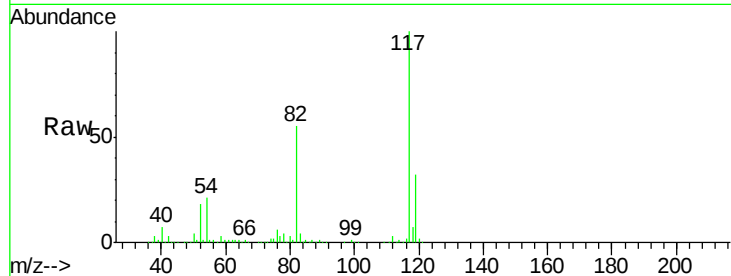
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	892332		
82	55.3	41.4	62.2	
119	32.3	25.3	37.9	

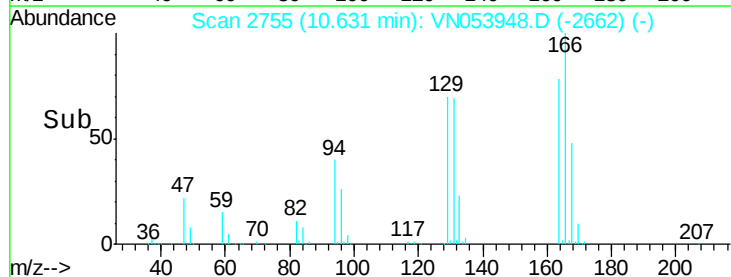
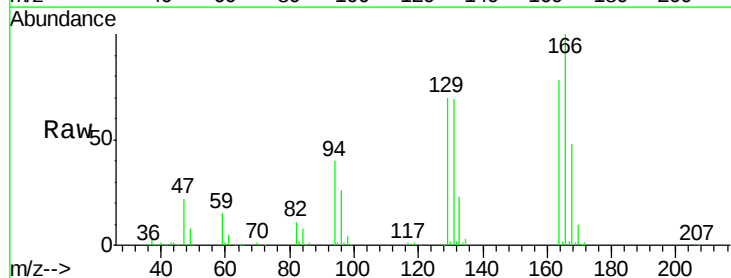
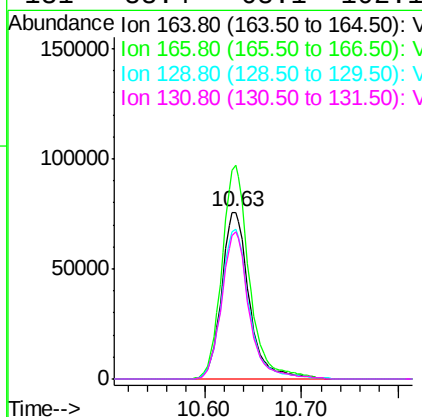
Manual Integrations
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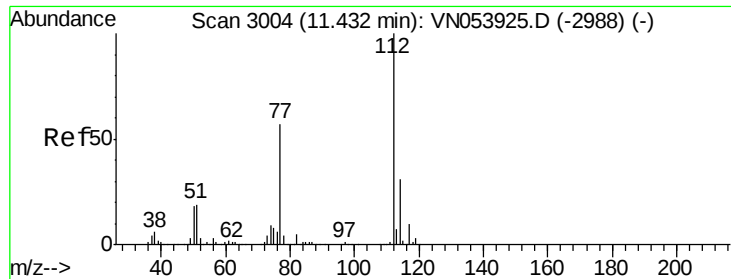
MMDadoda
2/28/2019 10:49:52 AM



#64
Tetrachloroethene
Concen: 19.836 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149884		
166	128.0	102.6	153.8	
129	89.9	69.4	104.0	
131	88.4	68.1	102.1	





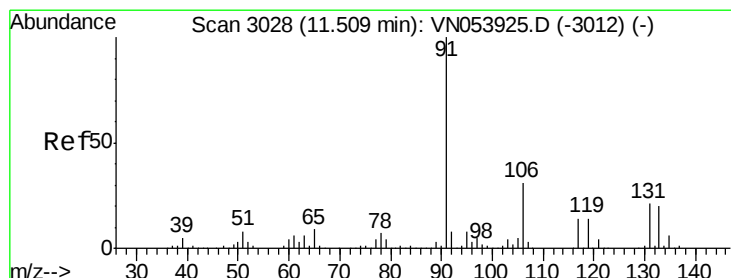
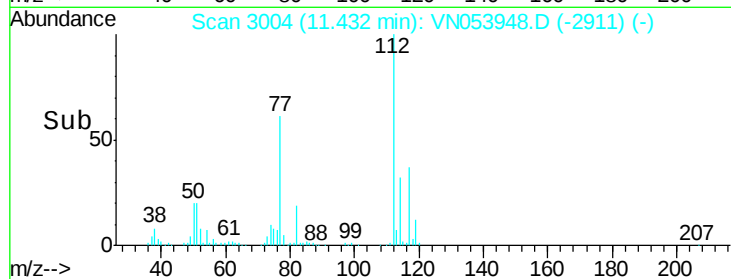
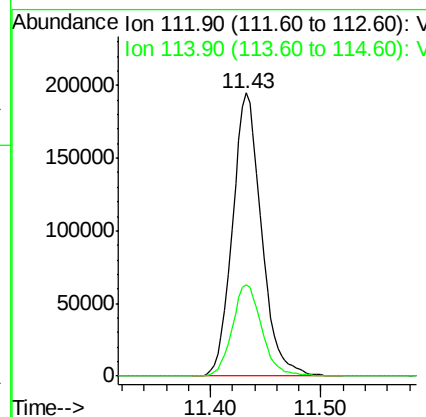
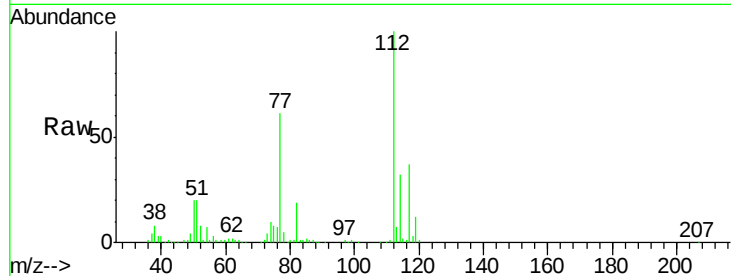
#65
Chlorobenzene
Concen: 18.869 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion:112 Resp: 355341
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

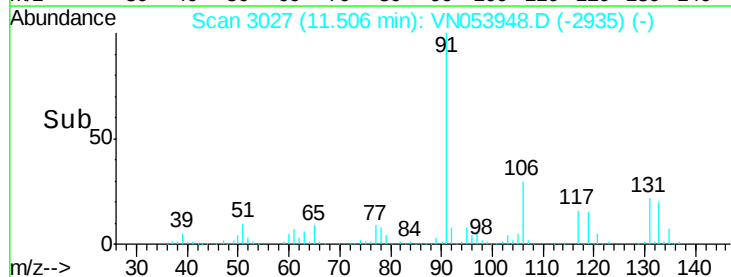
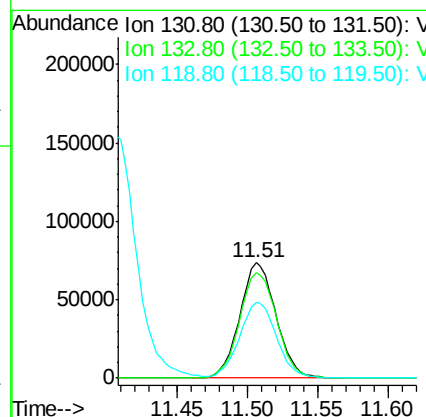
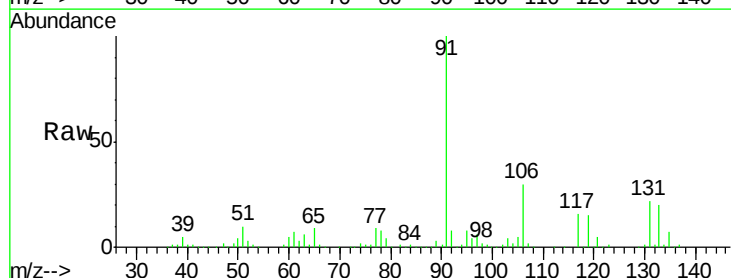
Manual Integrations
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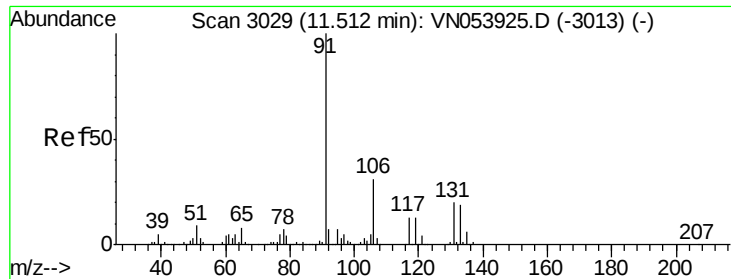
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.431 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion:131 Resp: 131883
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 67.7 33.1 99.3





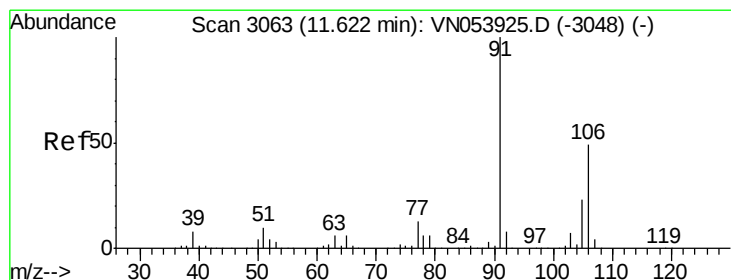
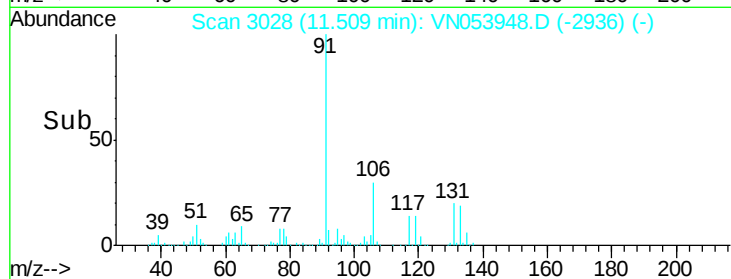
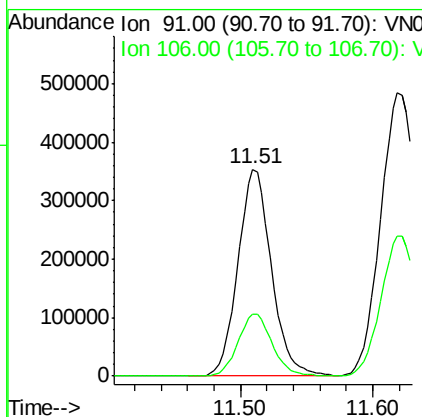
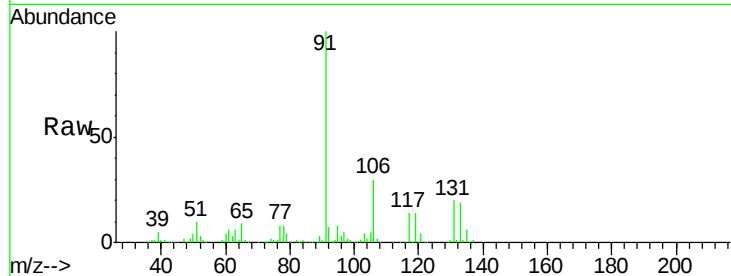
#67
Ethyl Benzene
Concen: 19.659 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion: 91 Resp: 620653
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8

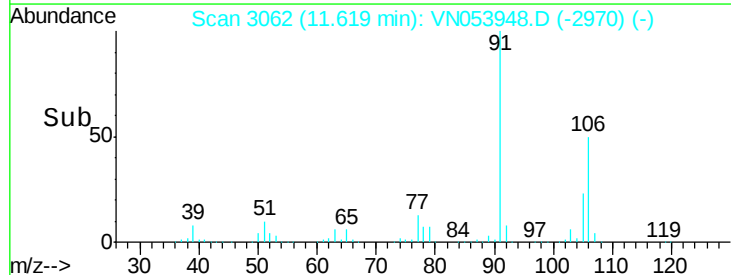
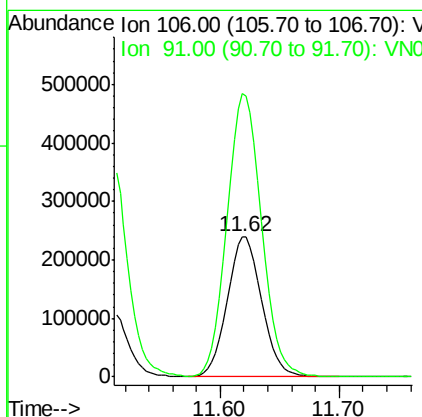
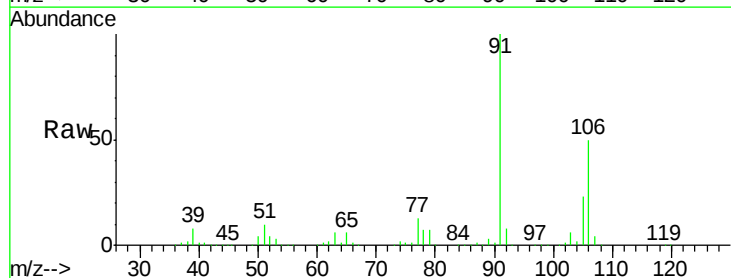
Manual Integrations
APPROVED

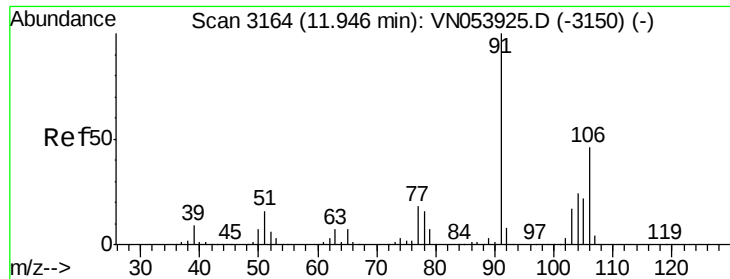
MMDadoda
2/28/2019 10:49:52 AM



#68
m/p-Xylenes
Concen: 40.118 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 106 Resp: 478030
Ion Ratio Lower Upper
106 100
91 203.6 158.9 238.3





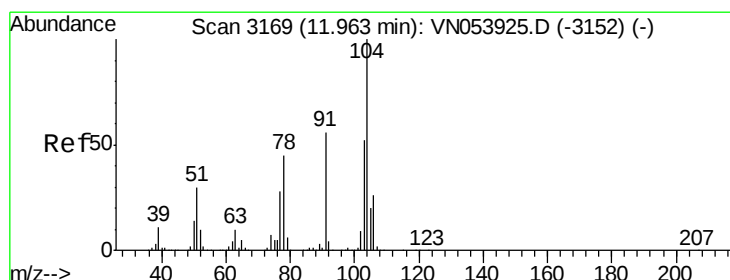
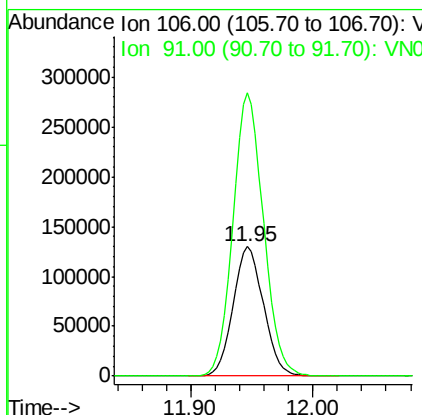
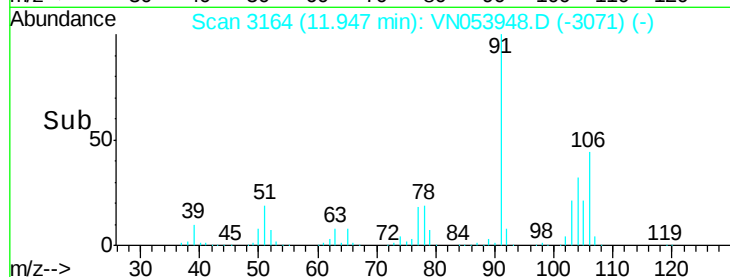
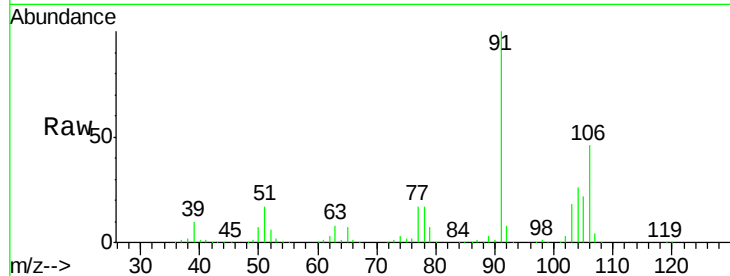
#69
o-Xylene
Concen: 19.250 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion:106 Resp: 225384
Ion Ratio Lower Upper
106 100
91 218.1 106.0 318.0

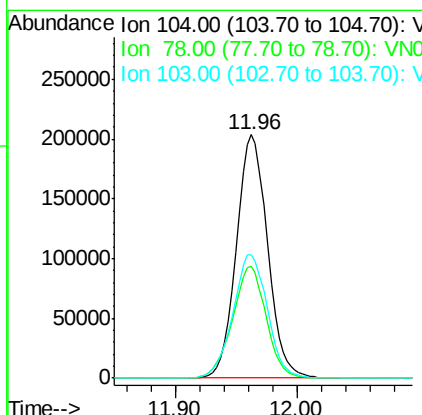
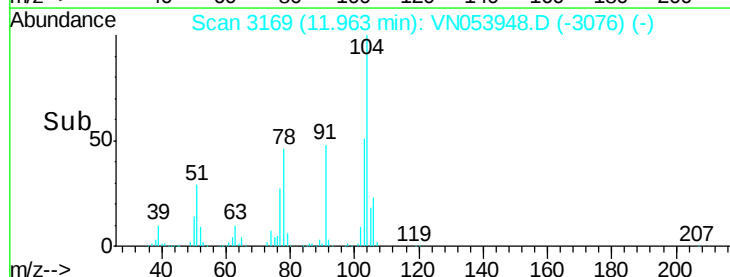
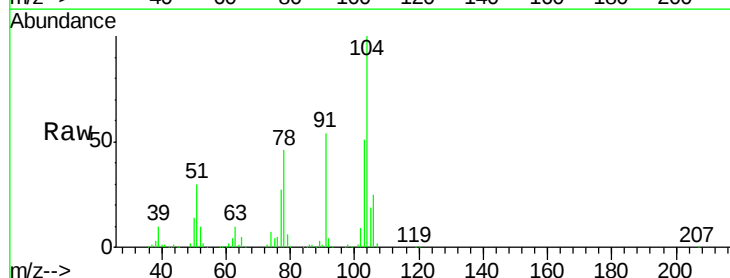
Manual Integrations
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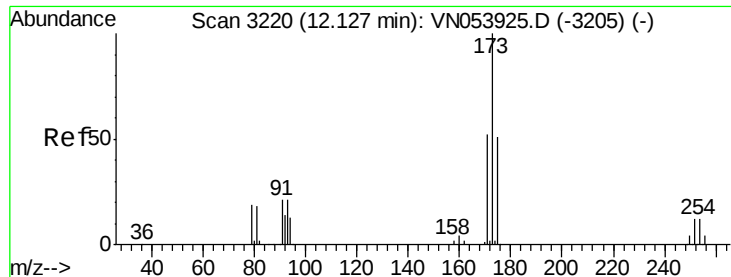
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#70
Styrene
Concen: 19.935 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion:104 Resp: 358994
Ion Ratio Lower Upper
104 100
78 49.9 38.1 57.1
103 56.3 44.6 67.0





#71

Bromoform

Concen: 18.359 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion:173 Resp: 86686

Ion Ratio Lower Upper

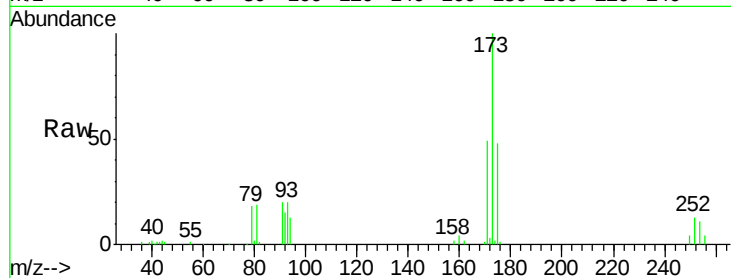
173 100

175 48.8 24.3 72.8

254 0.0 0.2 0.2#

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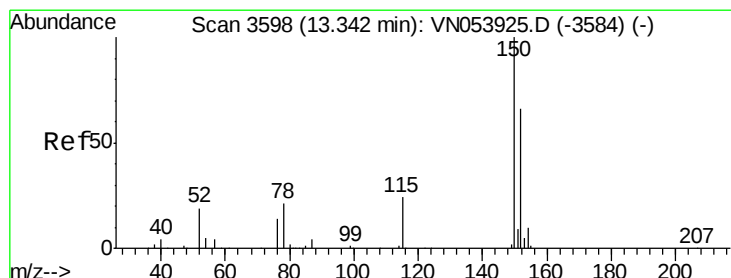
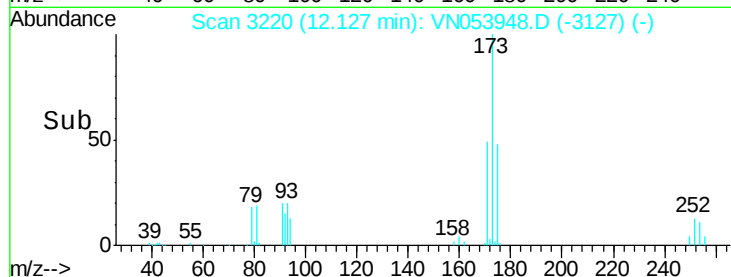
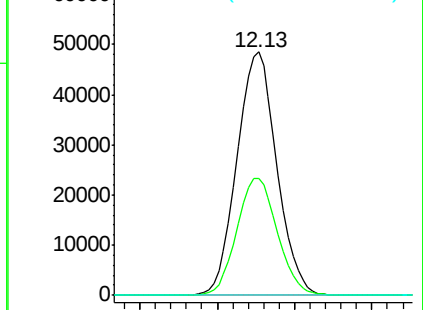
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN053948.D

Acq: 26 Feb 2019 12:10

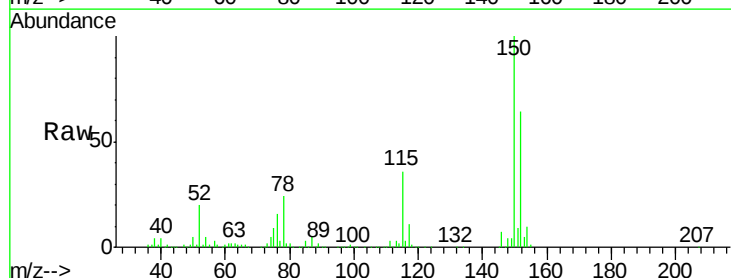
Tgt Ion:152 Resp: 397620

Ion Ratio Lower Upper

152 100

115 56.9 27.2 81.6

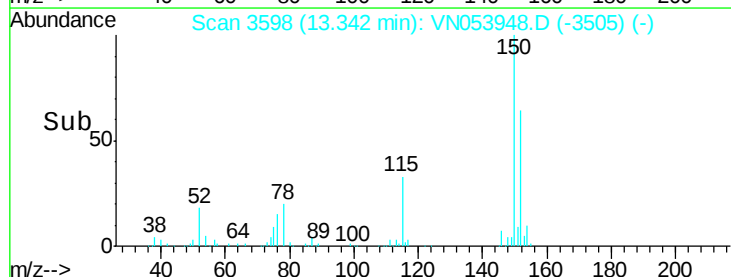
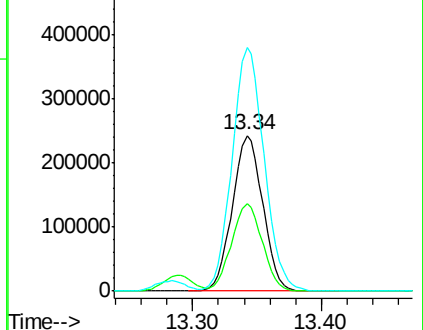
150 164.4 0.0 348.2

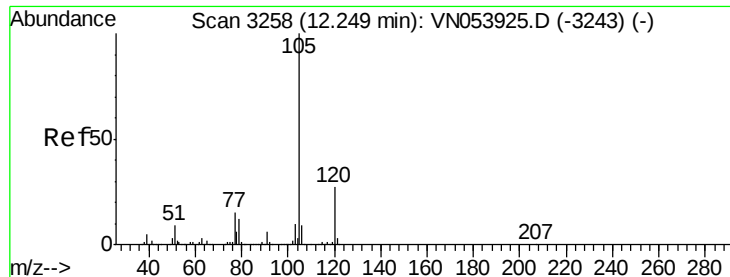


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.628 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion: 105 Resp: 607516

Ion Ratio Lower Upper

105 100

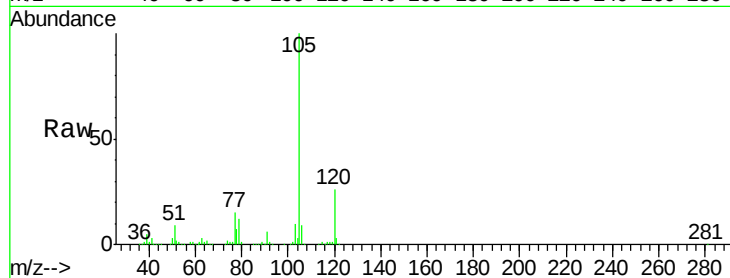
120 26.0 13.5 40.5

Manual Integrations

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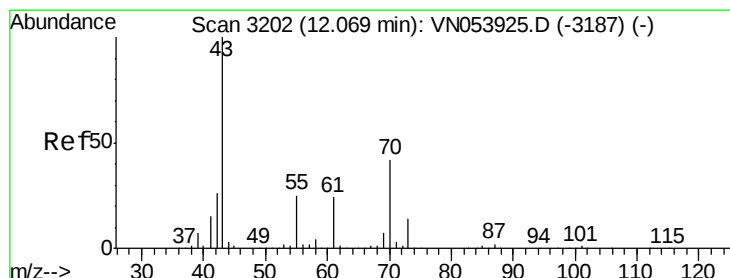
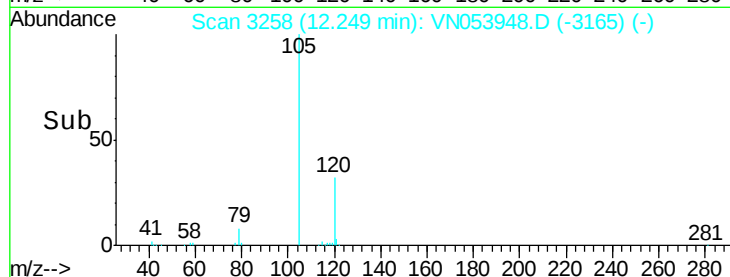
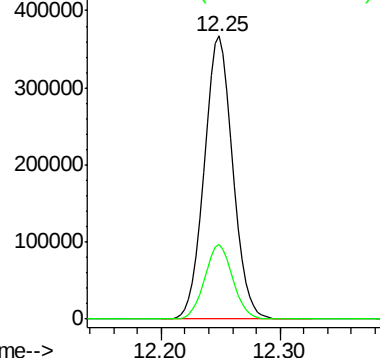
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.151 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion: 43 Resp: 147247

Ion Ratio Lower Upper

43 100

70 41.3 37.4 56.2

55 26.4 21.4 32.0

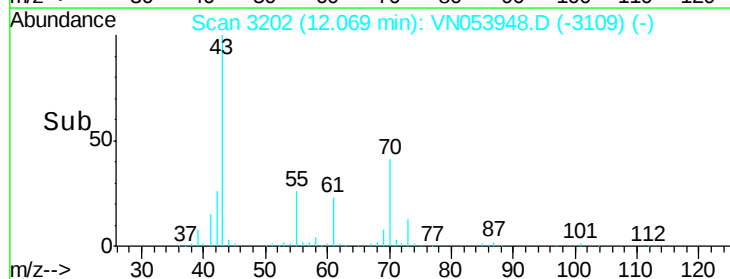
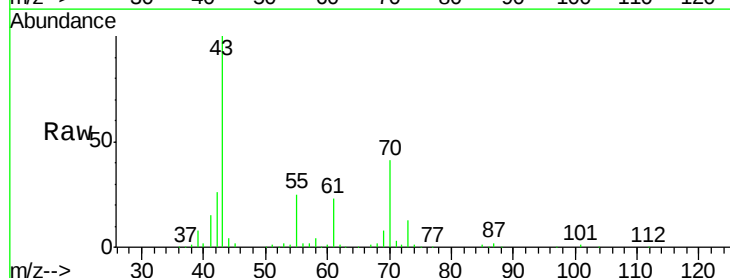
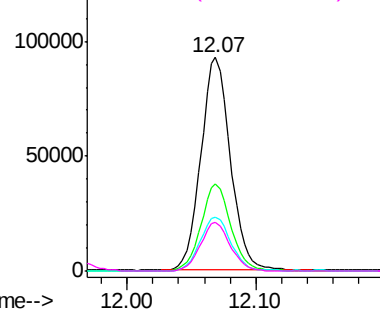
61 23.0 20.9 31.3

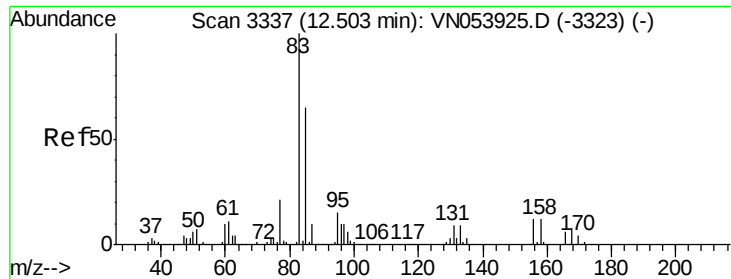
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.335 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

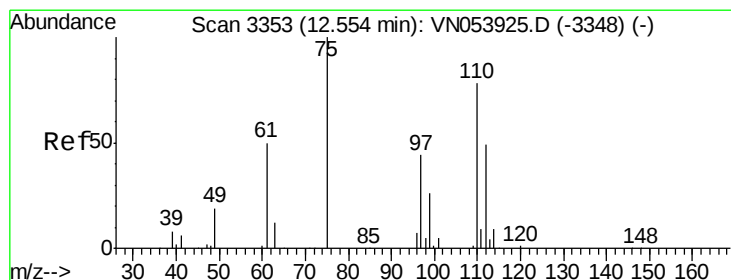
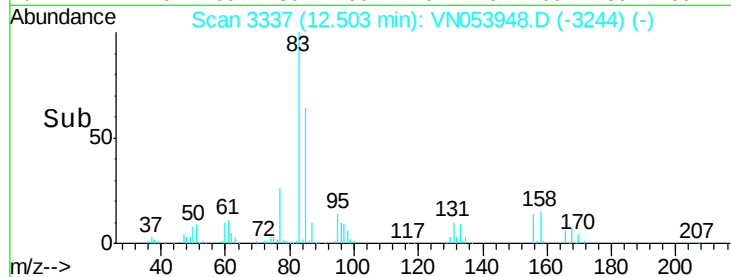
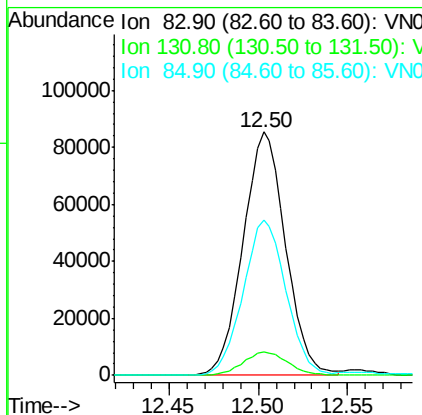
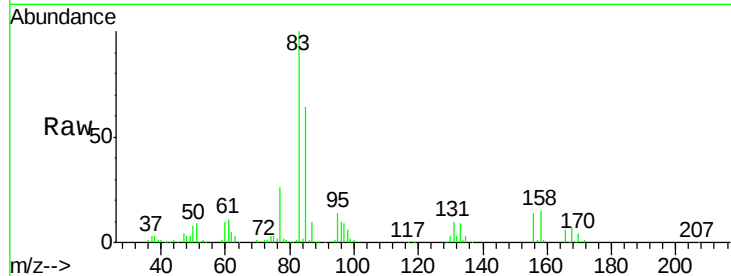
ClientSampled :

VN0226WBS01

Tgt Ion:	83	Resp:	141912
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.013 ug/l m

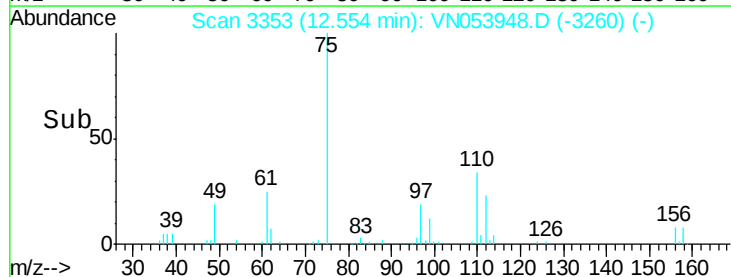
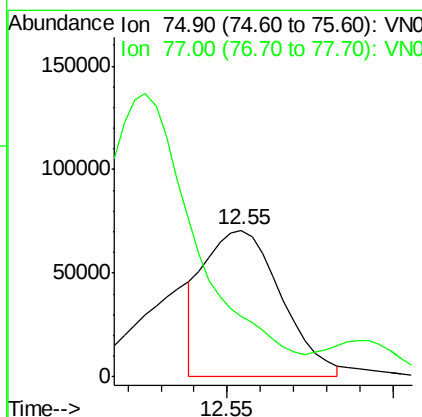
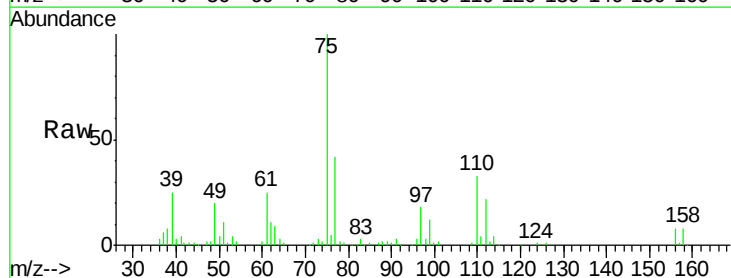
RT: 12.55 min Scan# 3353

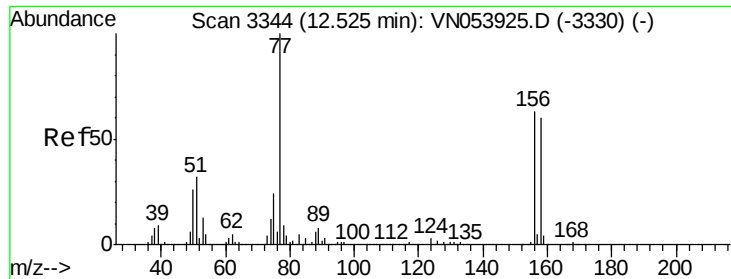
Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	75	Resp:	114896
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.162 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

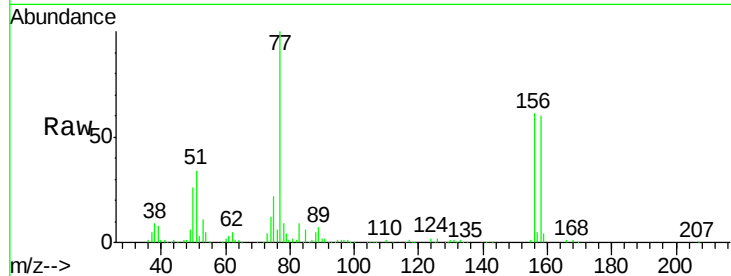
ClientSampleId :

VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	150582		
77	185.1	84.0	252.2	
158	97.6	48.5	145.6	

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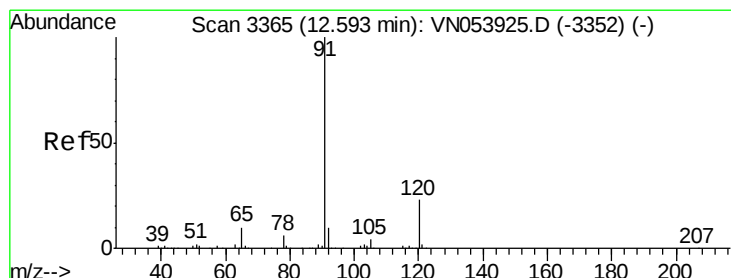
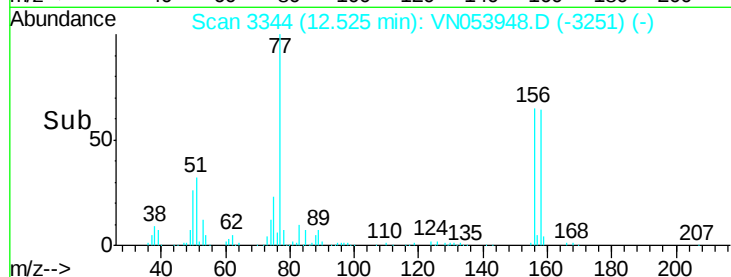
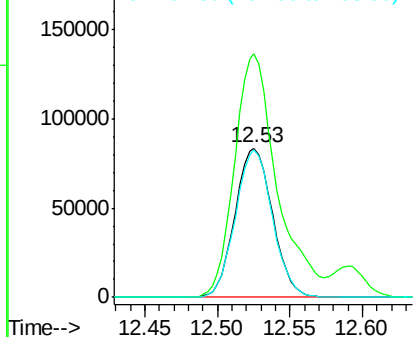
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.214 ug/l

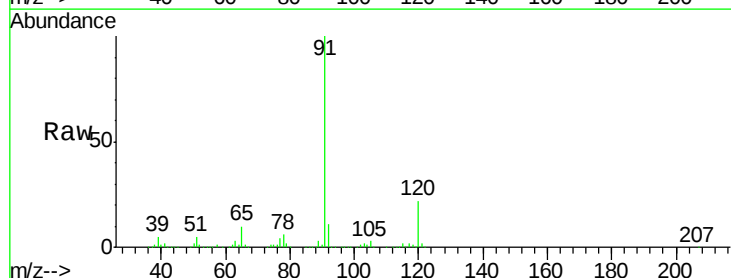
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053948.D

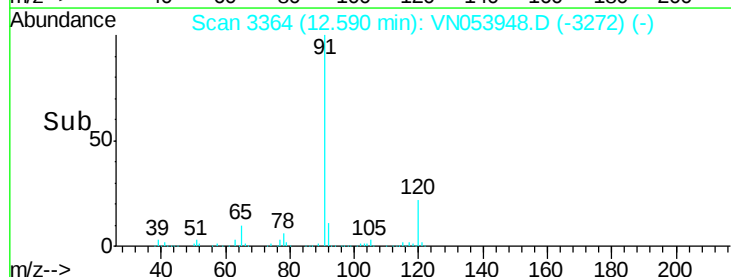
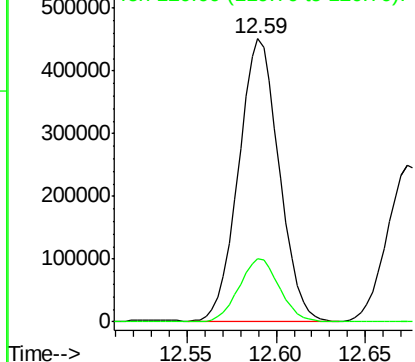
Acq: 26 Feb 2019 12:10

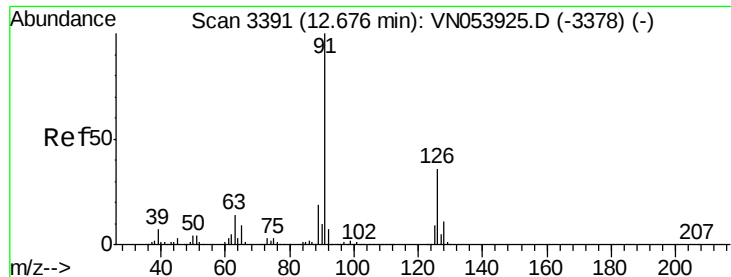
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	711530		
120	22.5	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

Tgt Ion: 91 Resp: 418819

Ion Ratio Lower Upper

91 100

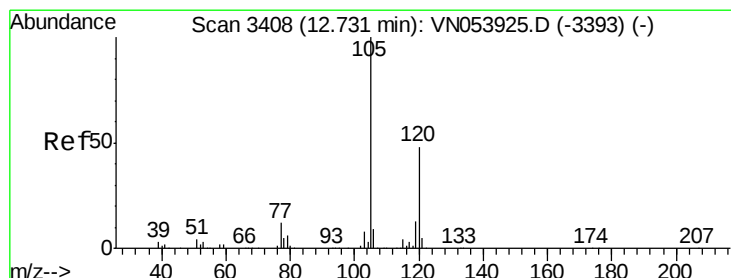
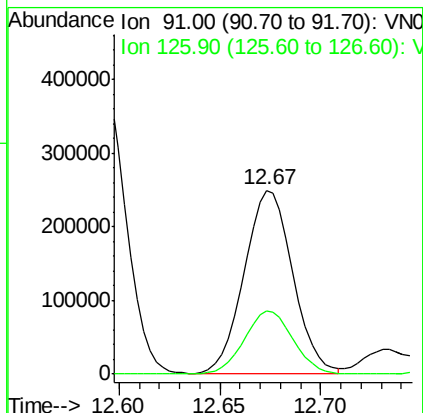
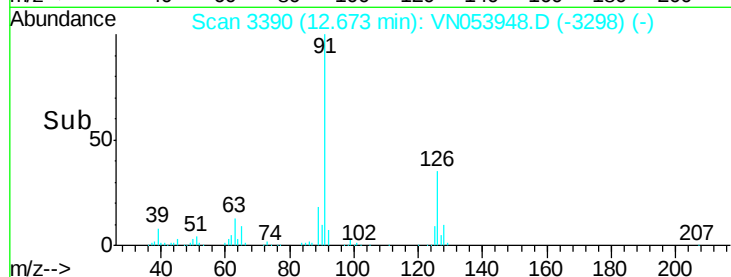
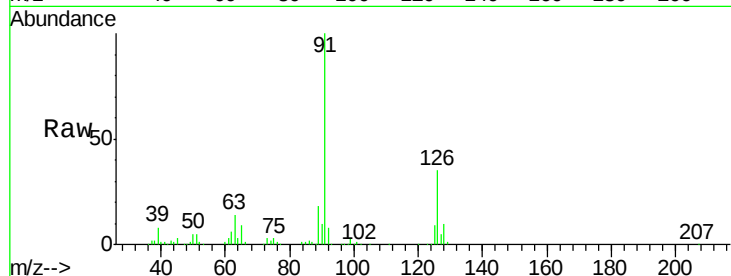
126 34.7 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.176 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053948.D

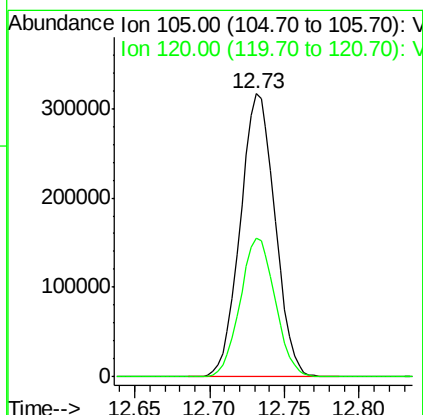
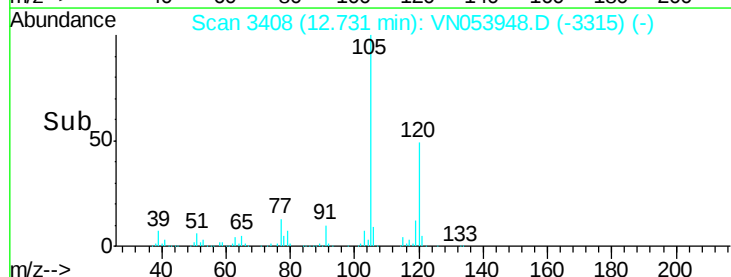
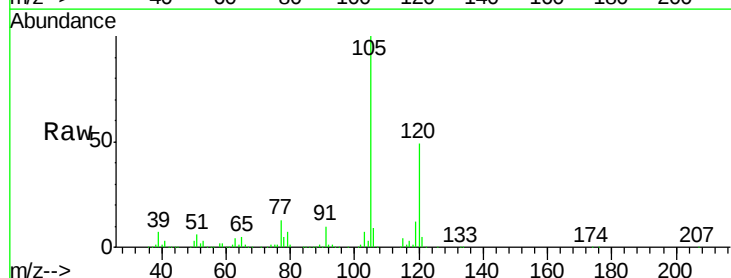
Acq: 26 Feb 2019 12:10

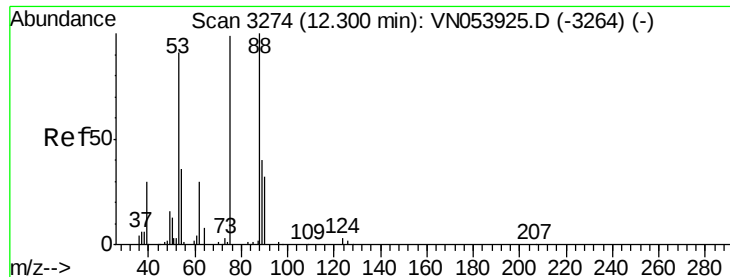
Tgt Ion: 105 Resp: 511256

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.816 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

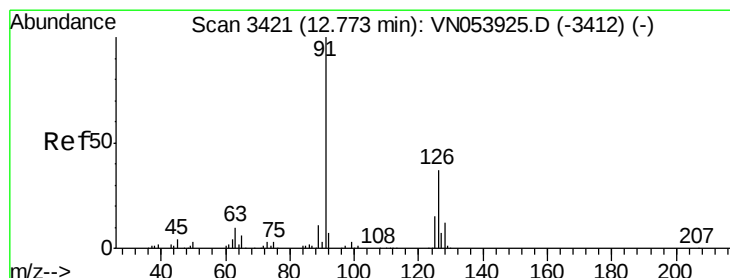
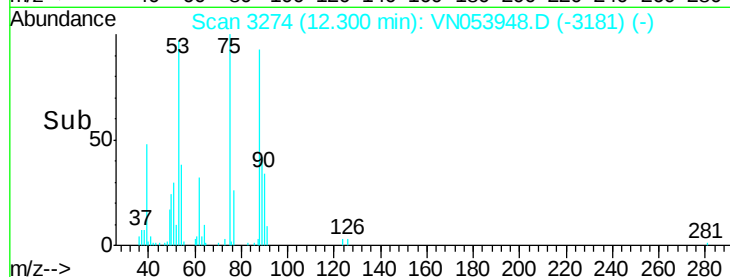
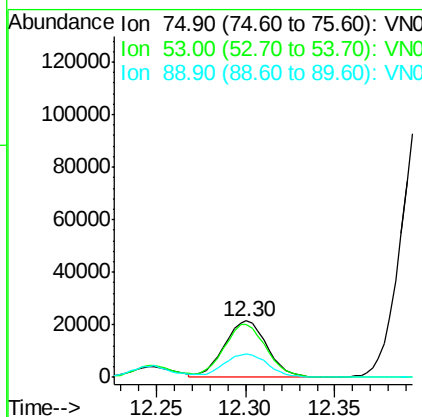
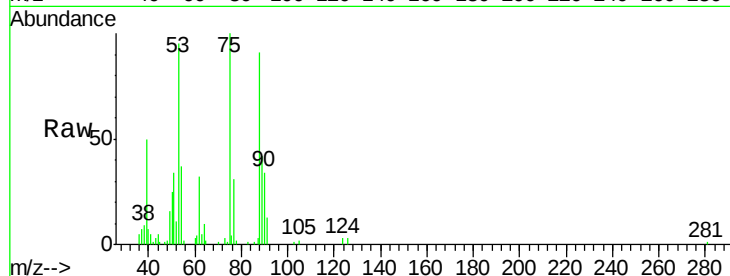
ClientSampleId :

VN0226WBS01

Tgt Ion:	75	Resp:	35955
Ion	Ratio	Lower	Upper
75	100		
53	93.6	68.6	102.8
89	42.8	35.3	52.9

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#82

4-Chlorotoluene

Concen: 20.057 ug/l

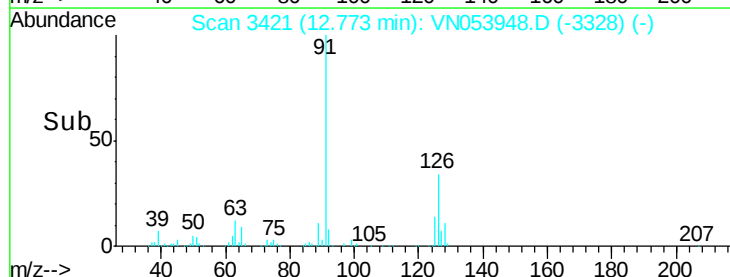
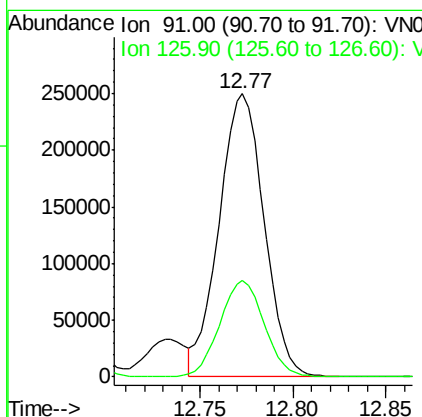
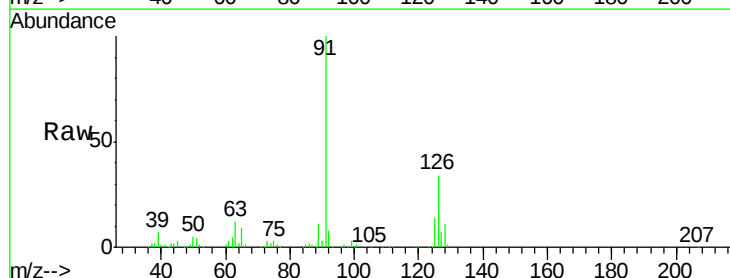
RT: 12.77 min Scan# 3421

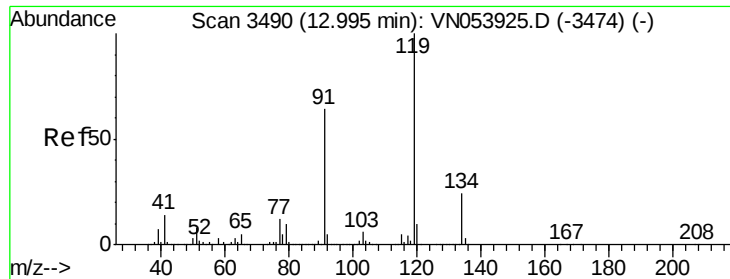
Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	91	Resp:	419179
Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.0	54.0





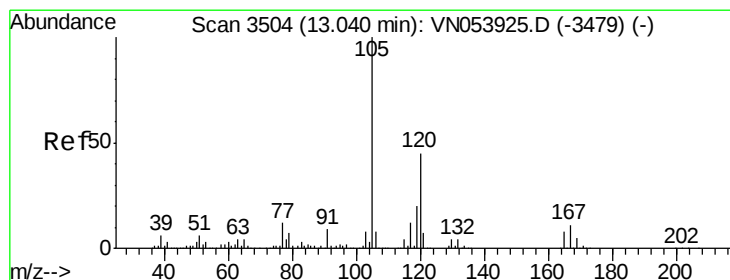
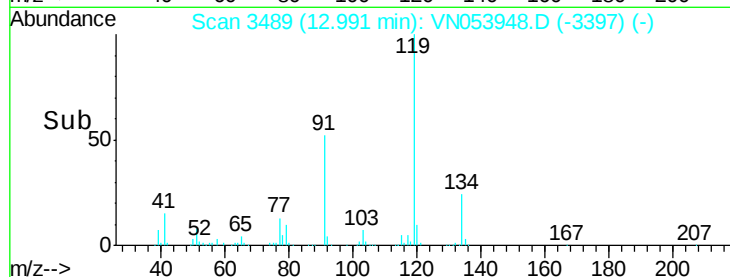
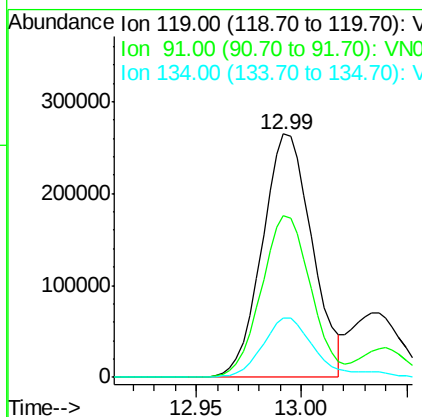
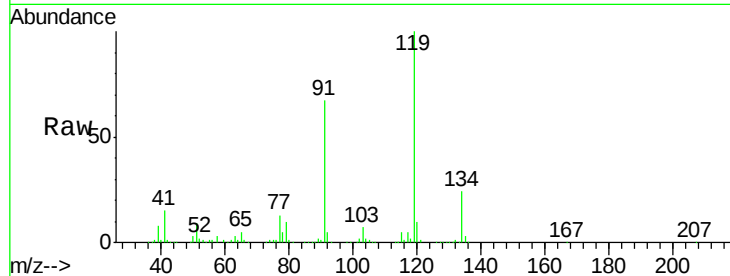
#83
 tert-Butylbenzene
 Concen: 19.453 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	435966		
91	65.8	30.6	91.8	
134	26.2	13.0	39.0	

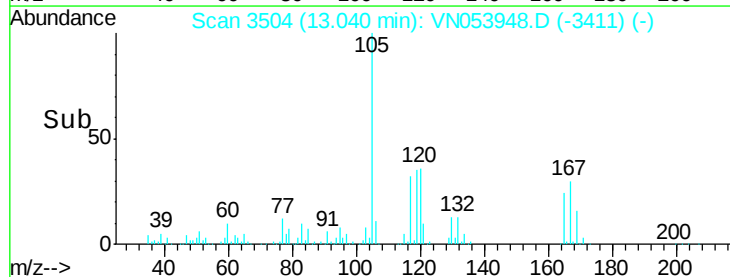
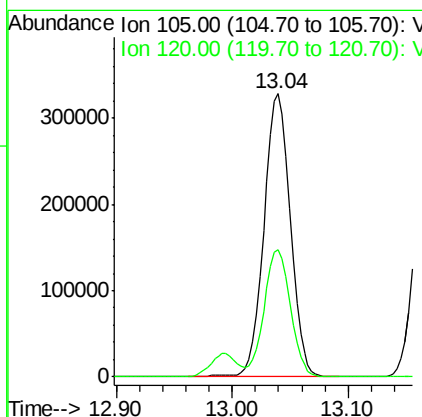
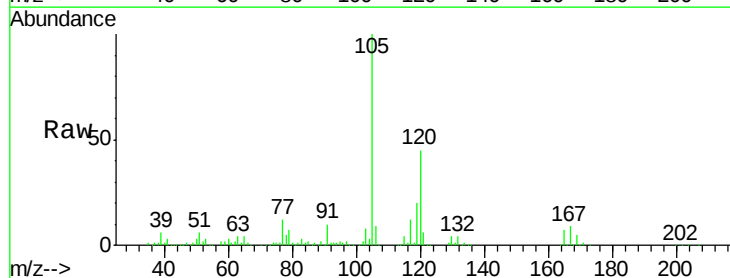
Manual Integrations
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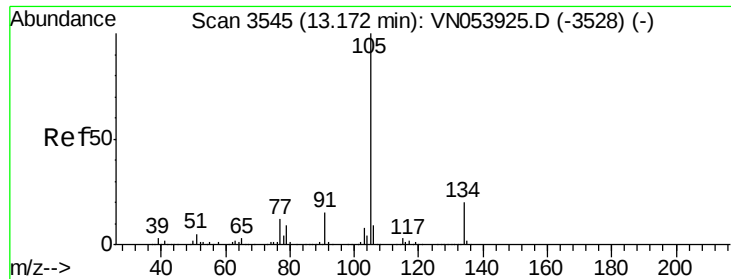
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.503 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	518681		
120	45.0	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.290 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tgt Ion:105 Resp: 621083

Ion Ratio Lower Upper

105 100

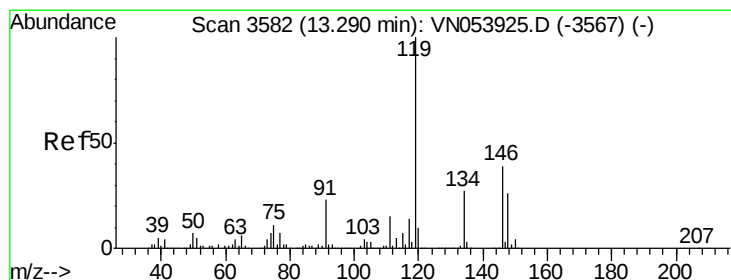
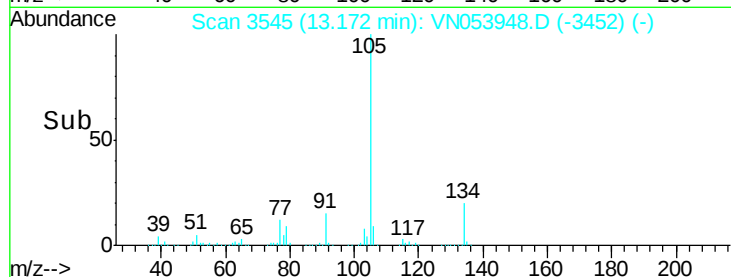
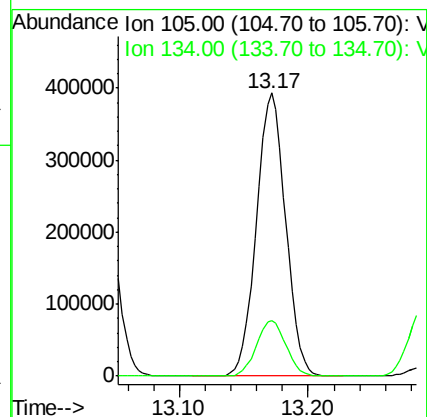
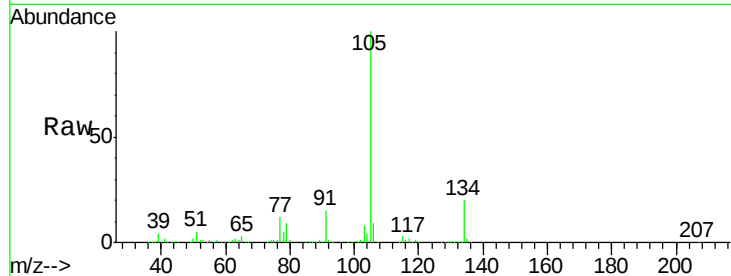
134 19.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.586 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

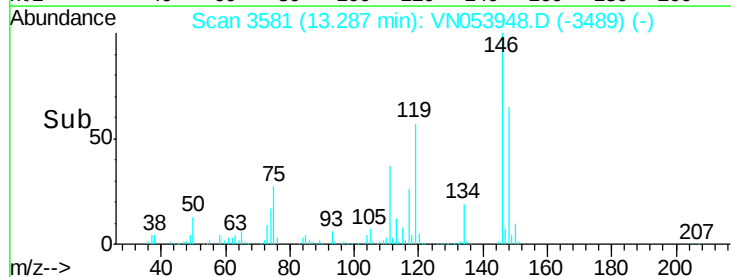
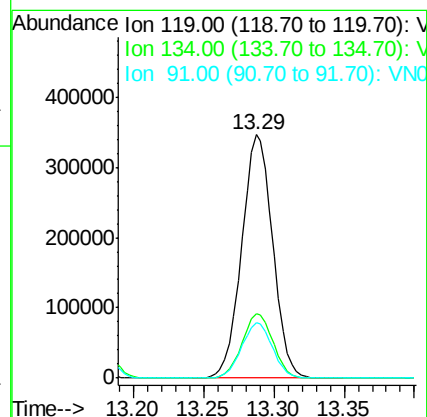
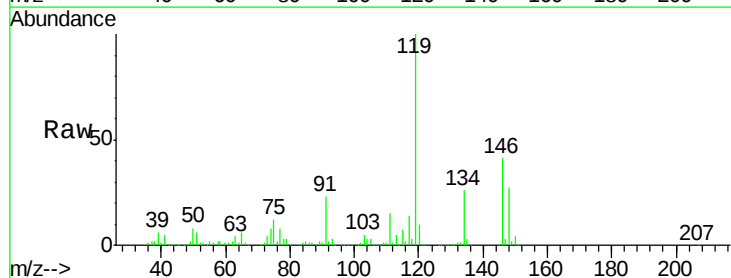
Tgt Ion:119 Resp: 532692

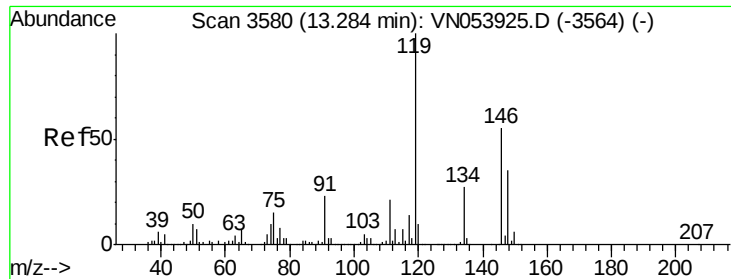
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 22.7 10.9 32.6





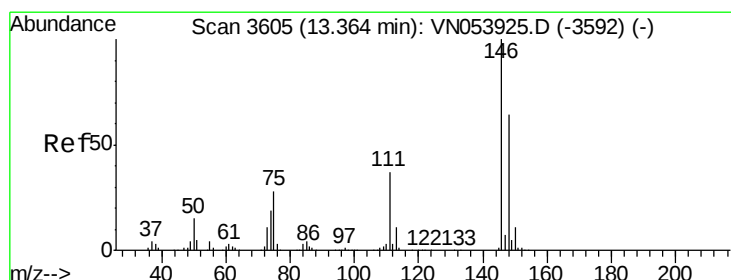
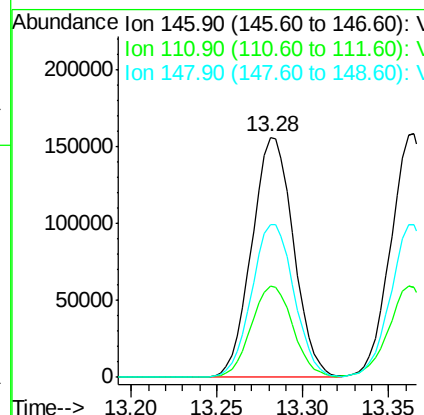
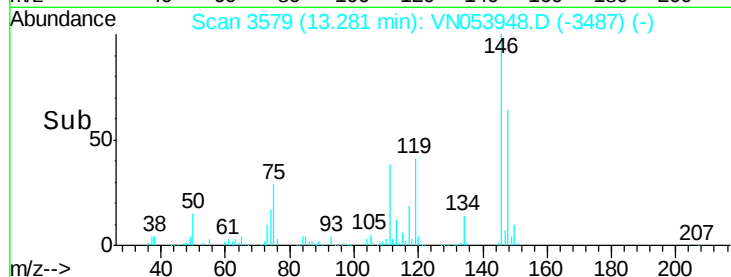
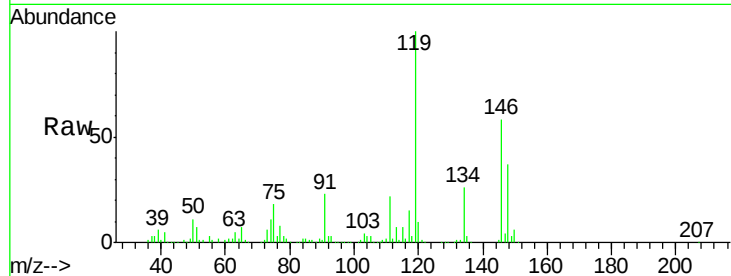
#87
 1,3-Dichlorobenzene
 Concen: 19.341 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.7	32.0	96.2

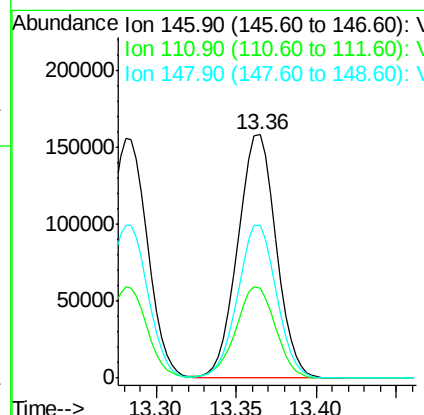
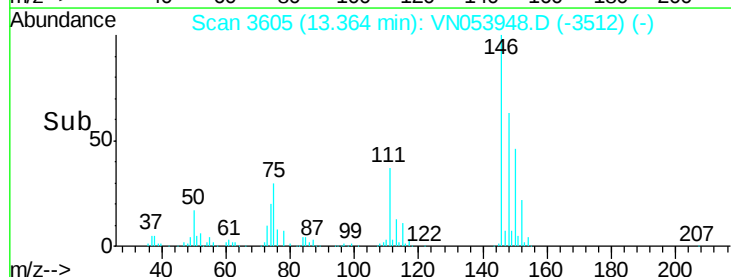
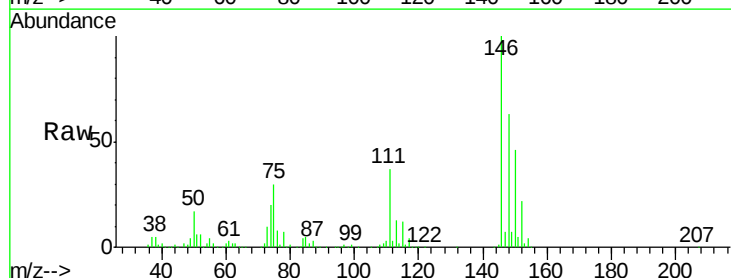
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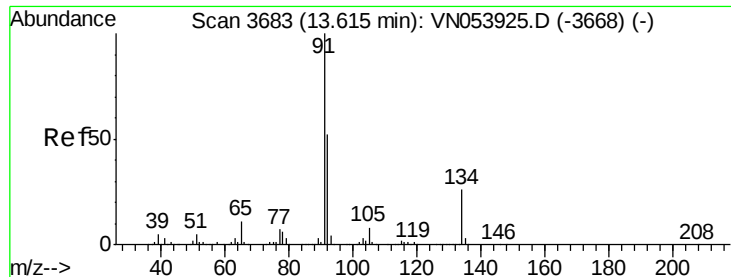
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#88
 1,4-Dichlorobenzene
 Concen: 19.630 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.0	54.0
148	63.5	32.1	96.5





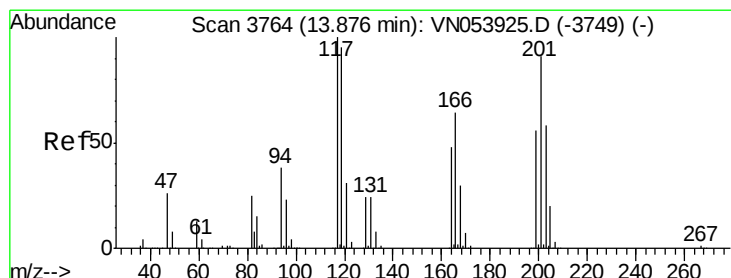
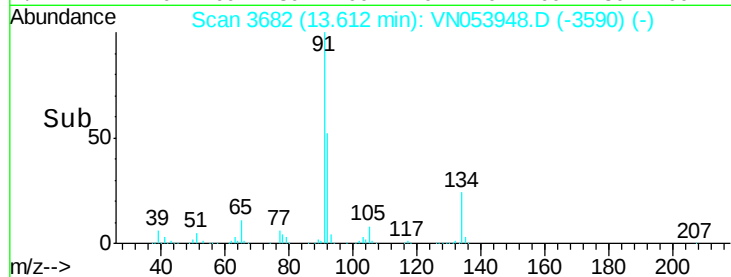
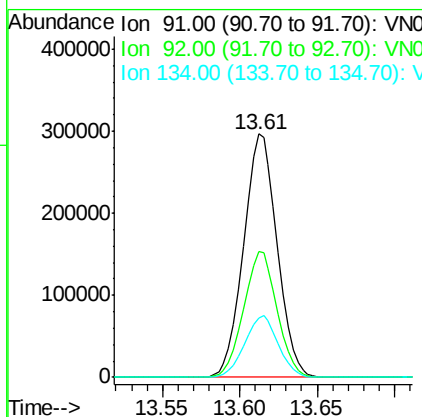
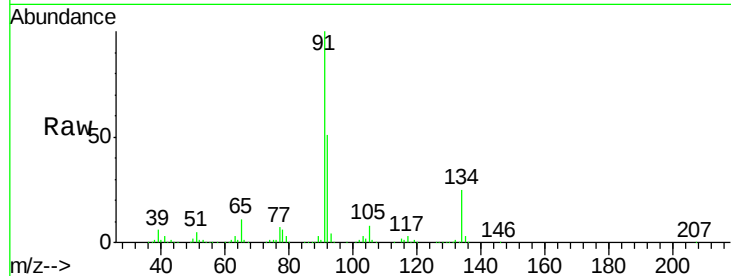
#89
n-Butylbenzene
Concen: 20.499 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	25.2	13.6	40.8

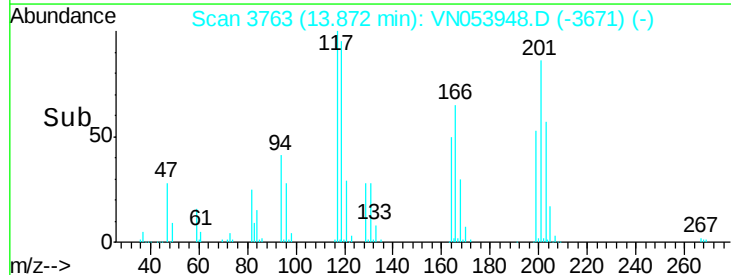
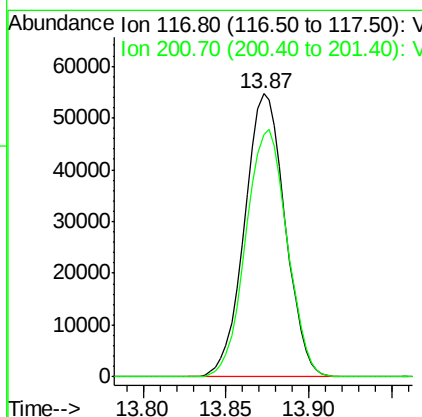
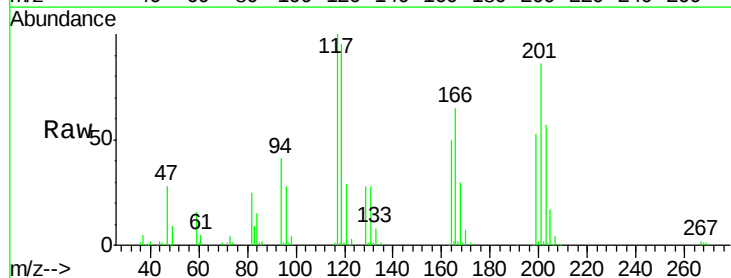
Manual Integrations
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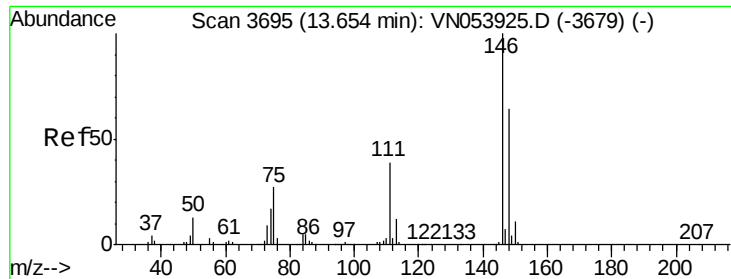
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#90
Hexachloroethane
Concen: 18.541 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	48.0	144.2





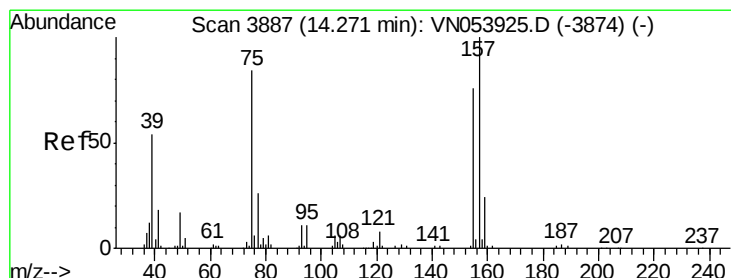
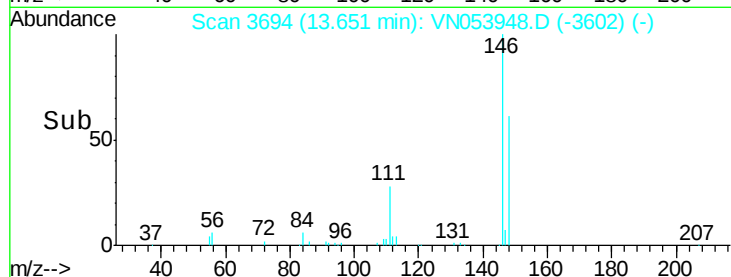
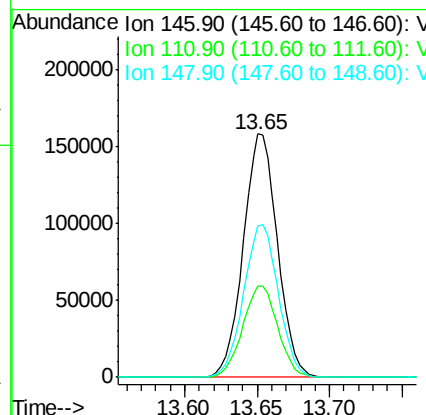
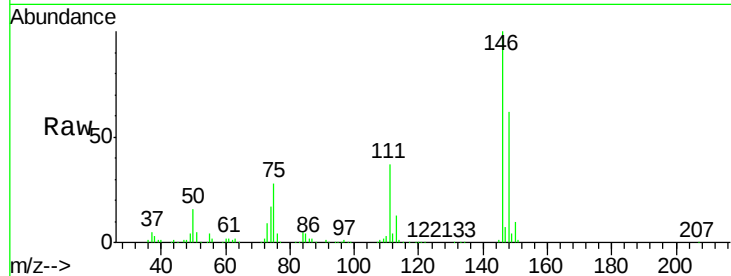
#91
 1,2-Dichlorobenzene
 Concen: 19.668 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	63.6	32.1	96.5

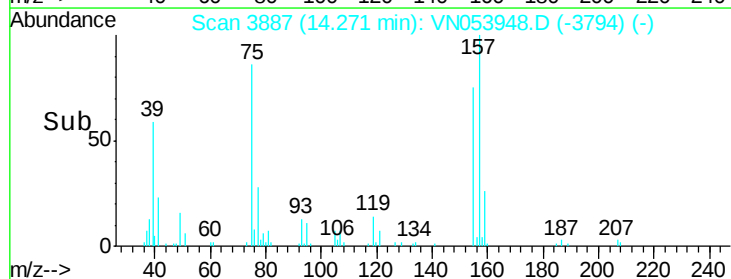
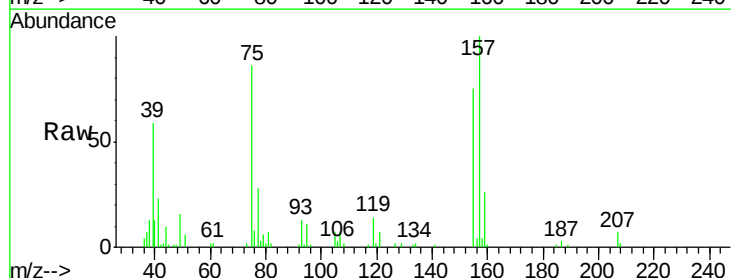
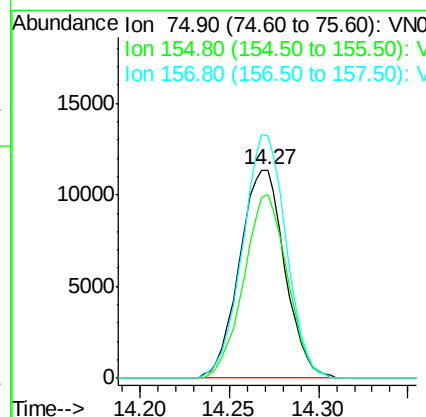
Manual Integrations
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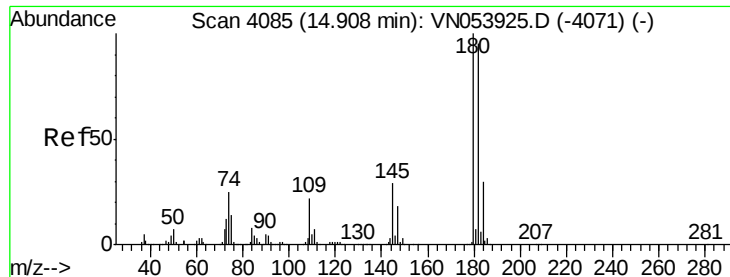
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.318 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	49.5	148.5
157	112.9	64.8	194.6





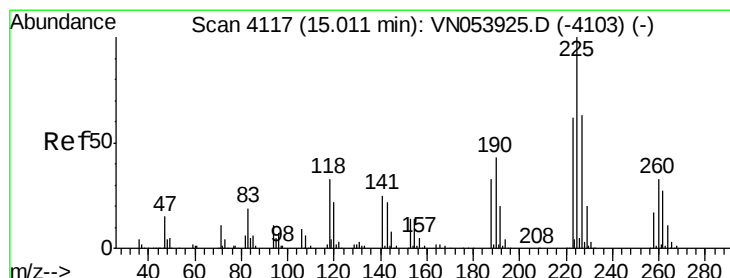
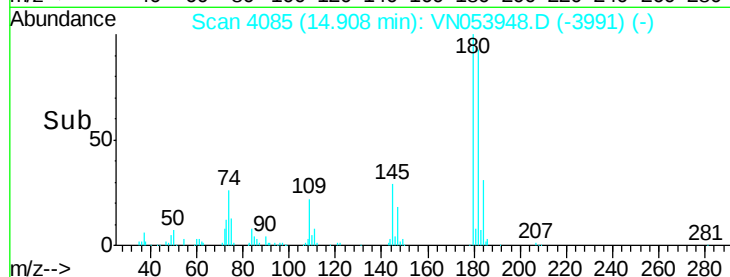
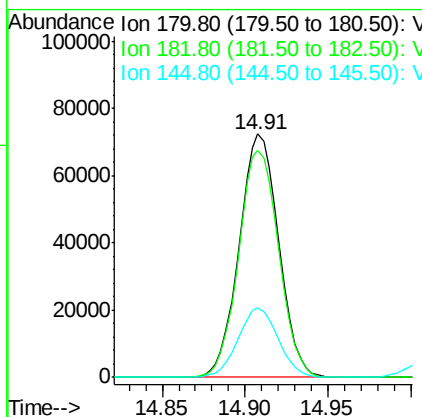
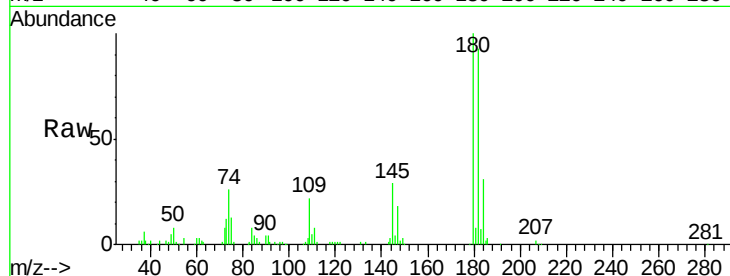
#93
 1,2,4-Trichlorobenzene
 Concen: 17.908 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119968		
182	94.5	48.6	145.9	
145	28.9	13.8	41.3	

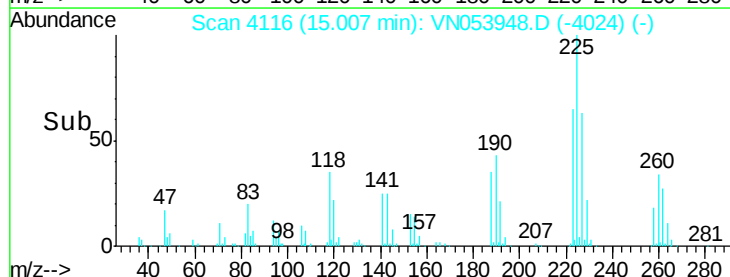
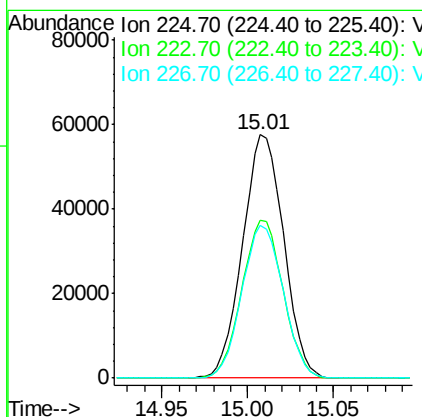
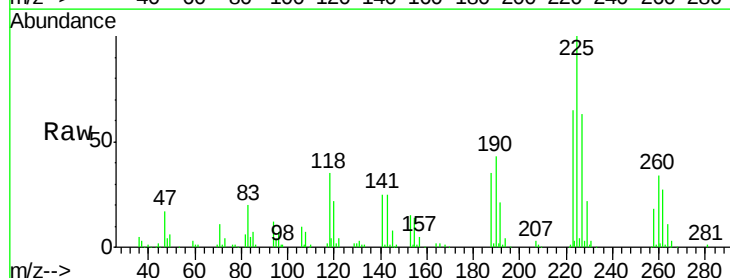
Manual Integrations
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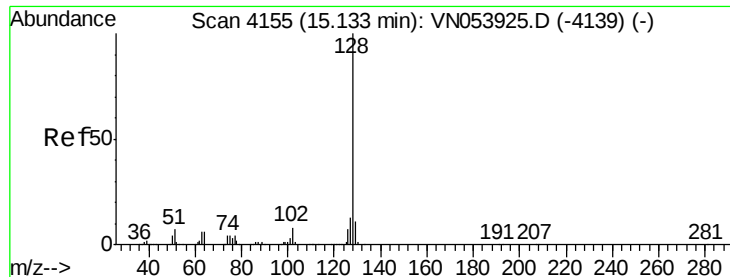
MMDadoda
 2/28/2019 10:49:52 AM



#94
 Hexachlorobutadiene
 Concen: 20.187 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95960		
223	64.8	30.9	92.5	
227	62.9	32.5	97.4	





#95

Naphthalene

Concen: 16.483 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

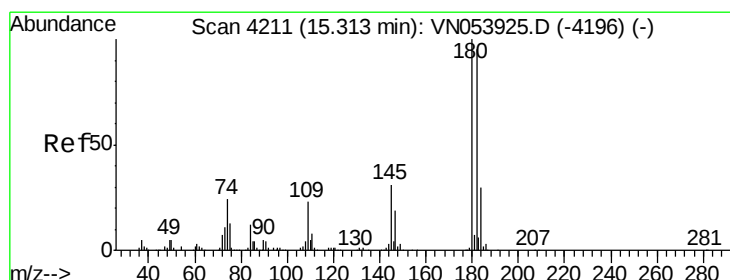
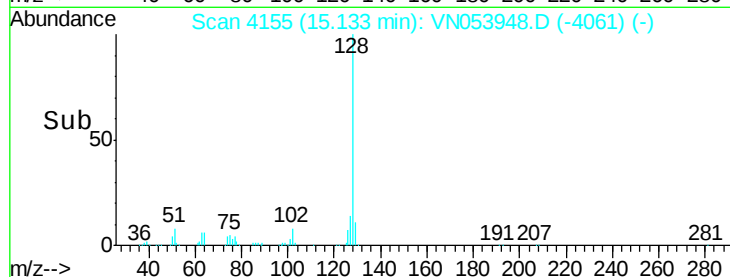
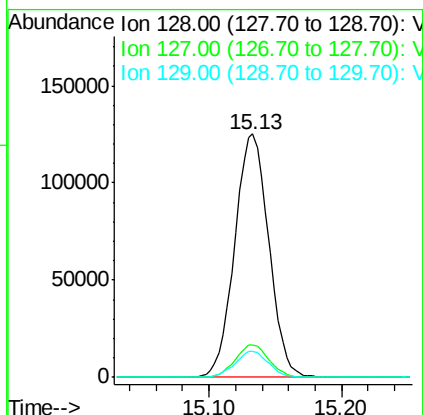
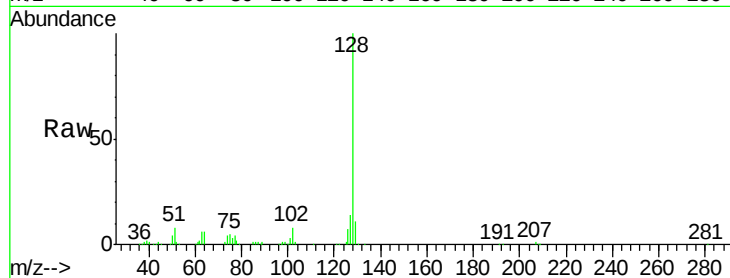
ClientSampleId :

VN0226WBS01

Tgt Ion:	128	Resp:	223287
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.887 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion:	180	Resp:	118154
Ion Ratio		Lower	Upper
180	100		
182	95.8	47.3	141.8
145	30.8	14.4	43.0

