

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051935.D
 Acq On : 19 Oct 2018 8:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:35:15 AM

Quant Time: Oct 19 23:25:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1068694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1550563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1433135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	722712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449926	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	7.59	113	458395	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.09	98	1681700	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.40	95	573012	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281295	43.501	ug/l	98
3) Chloromethane	2.06	50	274694	43.477	ug/l	97
4) Vinyl Chloride	2.19	62	424367	44.470	ug/l	100
5) Bromomethane	2.56	94	386171	49.071	ug/l	95
6) Chloroethane	2.70	64	326445	47.137	ug/l	99
7) Trichlorofluoromethane	3.01	101	723150	49.176	ug/l	98
8) Diethyl Ether	3.41	74	212701	49.372	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	430495	51.021	ug/l	100
10) Methyl Iodide	3.95	142	522834	47.257	ug/l	100
11) Tert butyl alcohol	4.78	59	129009	222.844	ug/l	99
12) 1,1-Dichloroethene	3.73	96	374095	48.639	ug/l	97
13) Acrolein	3.61	56	73605	175.503	ug/l	98
14) Allyl chloride	4.32	41	423917	50.890	ug/l	98
15) Acrylonitrile	4.99	53	522727	247.291	ug/l	99
16) Acetone	3.82	43	486635	277.390	ug/l	98
17) Carbon Disulfide	4.05	76	879903	45.886	ug/l	100
18) Methyl Acetate	4.32	43	258427	49.547	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1078597	48.662	ug/l	98
20) Methylene Chloride	4.55	84	415095	46.545	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	423279	47.887	ug/l	97
22) Diisopropyl ether	5.95	45	963690	49.639	ug/l	96
23) Vinyl Acetate	5.90	43	3355620	251.060	ug/l	100
24) 1,1-Dichloroethane	5.85	63	689283	49.027	ug/l	99
25) 2-Butanone	6.83	43	656260	261.744	ug/l	98
26) 2,2-Dichloropropane	6.82	77	689130	51.827	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	502450	48.914	ug/l	98
28) Bromochloromethane	7.19	49	274878	48.148	ug/l	98
29) Tetrahydrofuran	7.21	42	372623	243.322	ug/l	99
30) Chloroform	7.37	83	841825	50.051	ug/l	97
31) Cyclohexane	7.65	56	577105	50.877	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	793205	50.563	ug/l	99
36) 1,1-Dichloropropene	7.79	75	594850	49.428	ug/l	99
37) Ethyl Acetate	6.93	43	281682	50.827	ug/l	98
38) Carbon Tetrachloride	7.77	117	712224	50.254	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	761215	51.080	ug/l	99
40) Benzene	8.04	78	1754326	49.900	ug/l	100
41) Methacrylonitrile	7.17	41	109196	39.947	ug/l	96
42) 1,2-Dichloroethane	8.12	62	573070	50.880	ug/l	99
43) Isopropyl Acetate	8.16	43	544566	49.846	ug/l	99
44) Trichloroethene	8.83	130	559304	50.695	ug/l	99
45) 1,2-Dichloropropane	9.12	63	414207	50.951	ug/l	100
46) Dibromomethane	9.21	93	313735	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	647838	52.162	ug/l	100
48) Methyl methacrylate	9.20	41	243993	50.223	ug/l	100
49) 1,4-Dioxane	9.20	88	87739	950.843	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1416694	252.875	ug/l	100
52) Toluene	10.16	92	1211049	51.494	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	613665	52.142	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	687622	52.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	444559	51.589	ug/l	98
56) Ethyl methacrylate	10.43	69	493640	51.239	ug/l	99
57) 1,3-Dichloropropane	10.71	76	671355	51.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1067929	240.904	ug/l	99
59) 2-Hexanone	10.75	43	988293	263.086	ug/l	99
60) Dibromochloromethane	10.90	129	538764	46.782	ug/l	98
61) 1,2-Dibromoethane	11.00	107	458515	50.728	ug/l	98
64) Tetrachloroethene	10.63	164	573035	49.814	ug/l	97
65) Chlorobenzene	11.43	112	1407761	49.132	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	543236	50.935	ug/l	98
67) Ethyl Benzene	11.51	91	2381679	50.739	ug/l	99
68) m/p-Xylenes	11.62	106	1916696	101.696	ug/l	99
69) o-Xylene	11.95	106	938751	51.110	ug/l	99
70) Styrene	11.96	104	1489187	52.708	ug/l	99
71) Bromoform	12.13	173	359930	45.190	ug/l #	100
73) Isopropylbenzene	12.25	105	2556339	45.692	ug/l	100
74) N-amyl acetate	12.07	43	448718	46.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	506465	44.793	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	420136m	47.829	ug/l	
77) Bromobenzene	12.53	156	650179	45.670	ug/l	100
78) n-propylbenzene	12.59	91	2791314	47.928	ug/l	99
79) 2-Chlorotoluene	12.67	91	1603142	52.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2134739	47.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121821	45.701	ug/l	94
82) 4-Chlorotoluene	12.77	91	1607515	47.233	ug/l	99
83) tert-Butylbenzene	12.99	119	1945245	45.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2166299	48.721	ug/l	98
85) sec-Butylbenzene	13.17	105	2614190	48.389	ug/l	100
86) p-Isopropyltoluene	13.29	119	2360706	50.417	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1178359	49.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1151287	48.820	ug/l	98
89) n-Butylbenzene	13.61	91	1830990	53.906	ug/l	100
90) Hexachloroethane	13.87	117	385542	49.229	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1145682	49.304	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73839	48.747	ug/l	100

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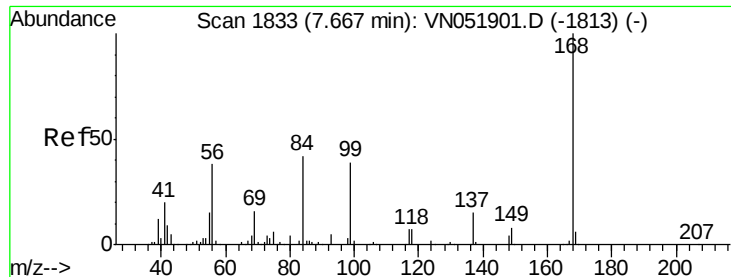
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	516954	44.606	ug/l	100
94) Hexachlorobutadiene	15.01	225	364602	49.550	ug/l	98
95) Naphthalene	15.13	128	965517	41.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	503450	44.999	ug/l	99

(#) = 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: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1068694

Ion Ratio Lower Upper

168 100

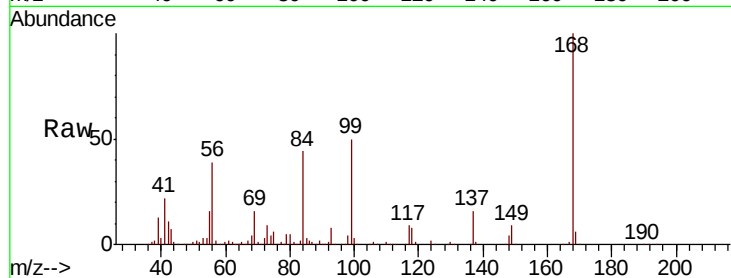
99 49.3 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

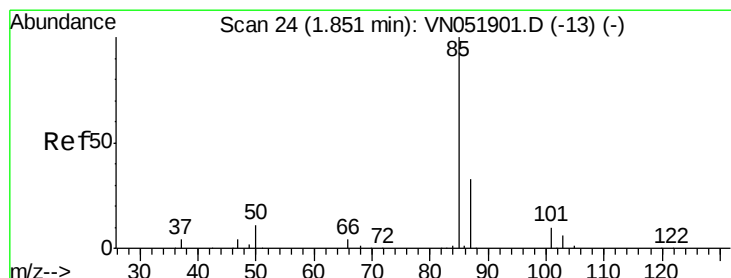
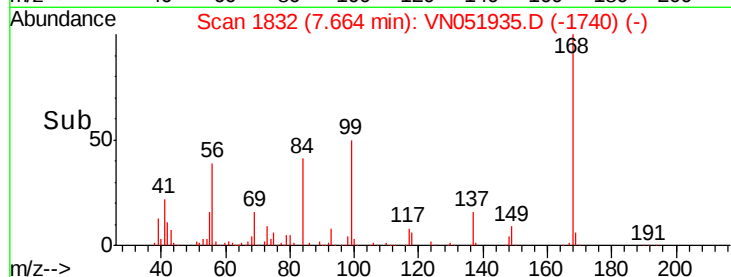
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.501 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051935.D

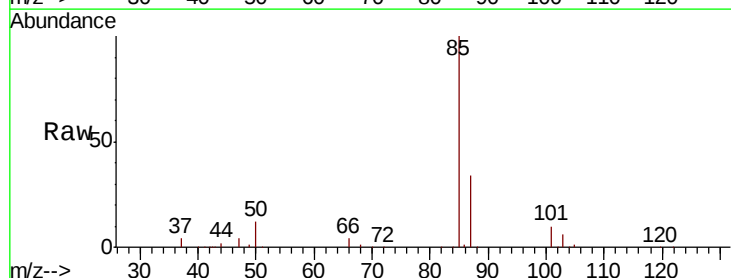
Acq: 19 Oct 2018 8:07

Tgt Ion: 85 Resp: 281295

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

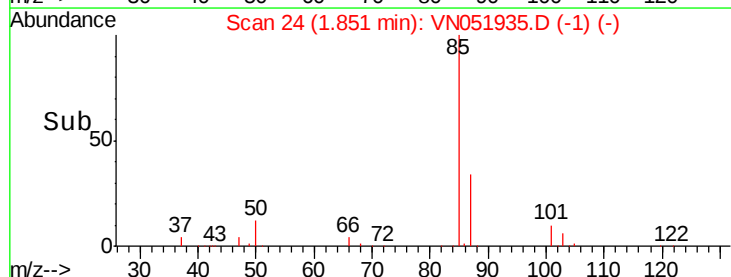
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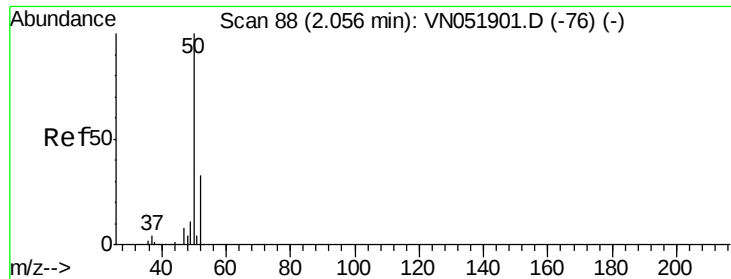
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.477 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 274694

Ion Ratio Lower Upper

50 100

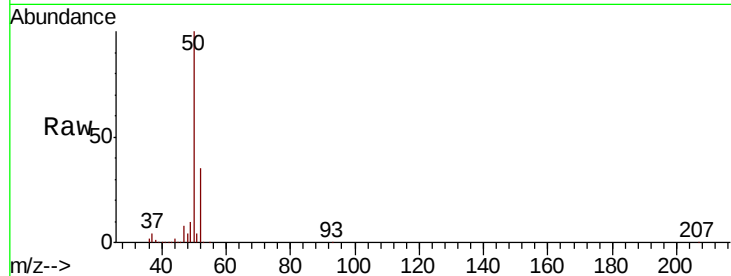
52 34.8 26.3 39.5

Manual Integrations

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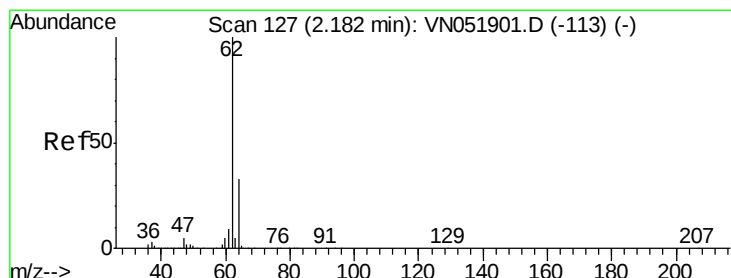
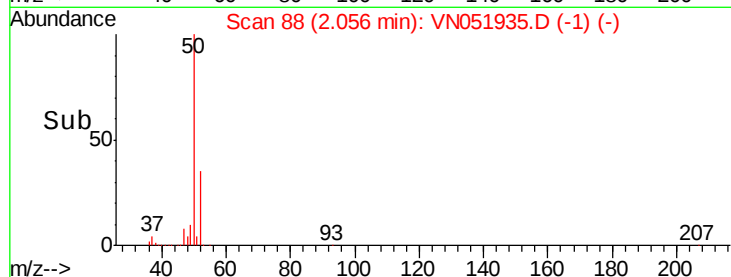
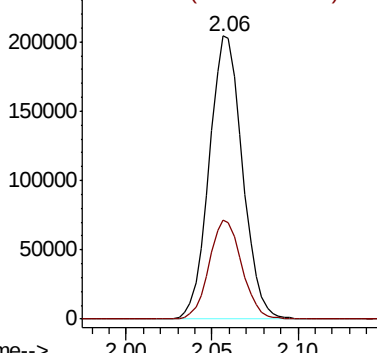
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.470 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051935.D

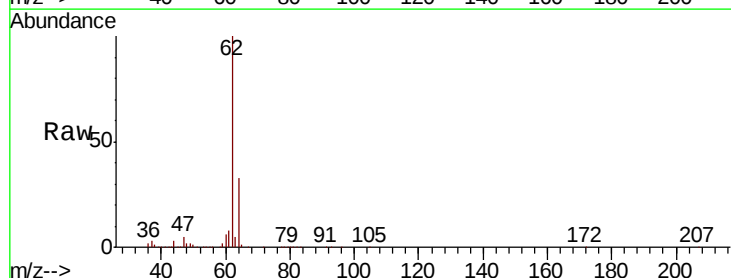
Acq: 19 Oct 2018 8:07

Tgt Ion: 62 Resp: 424367

Ion Ratio Lower Upper

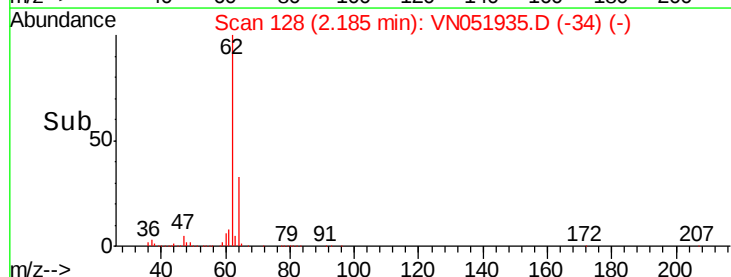
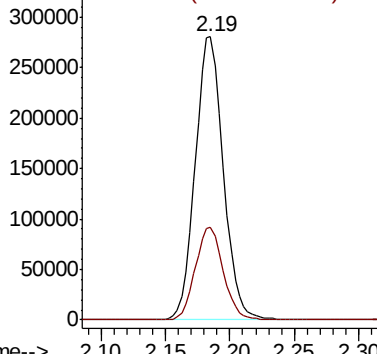
62 100

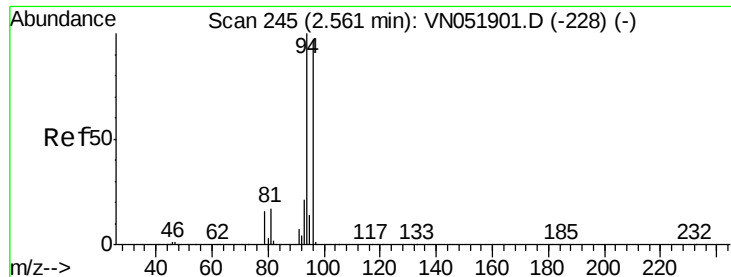
64 32.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.071 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 386171

Ion Ratio Lower Upper

94 100

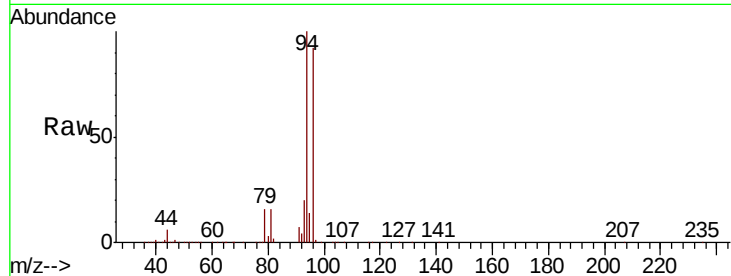
96 92.3 77.5 116.3

Manual Integrations

APPROVED

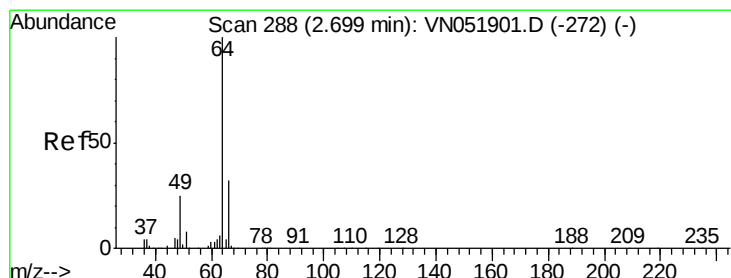
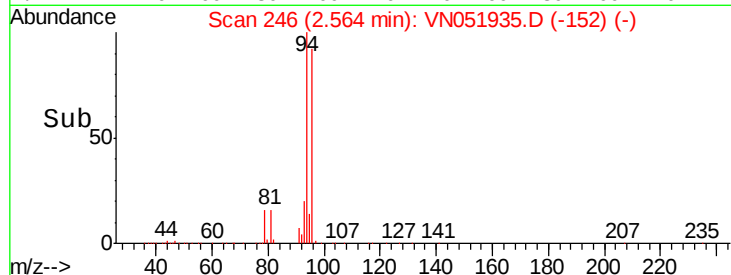
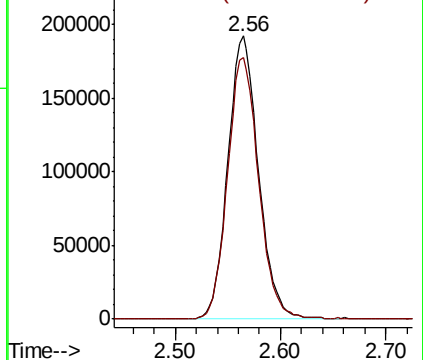
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.137 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051935.D

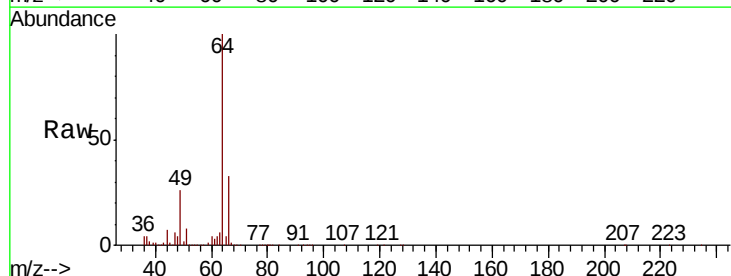
Acq: 19 Oct 2018 8:07

Tgt Ion: 64 Resp: 326445

Ion Ratio Lower Upper

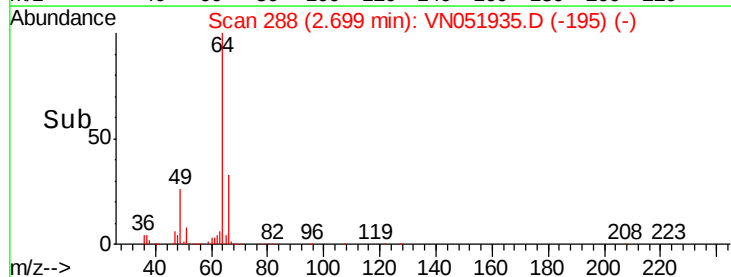
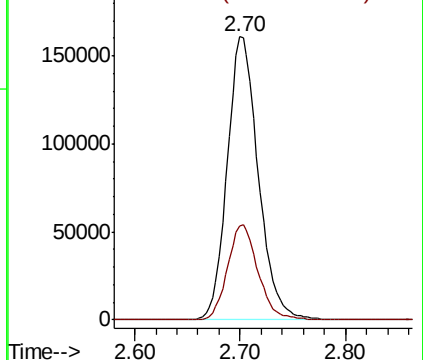
64 100

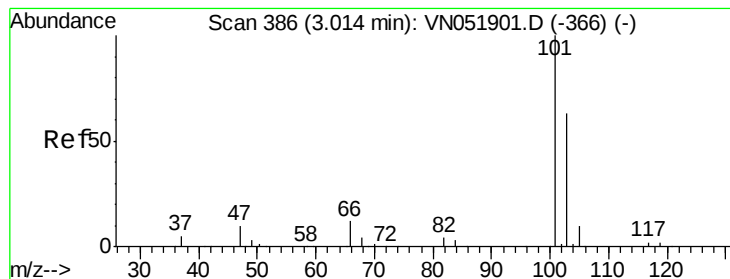
66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

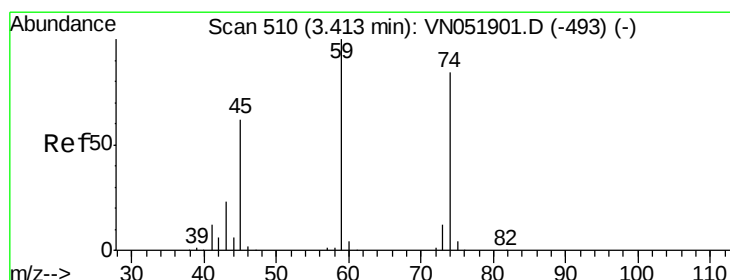
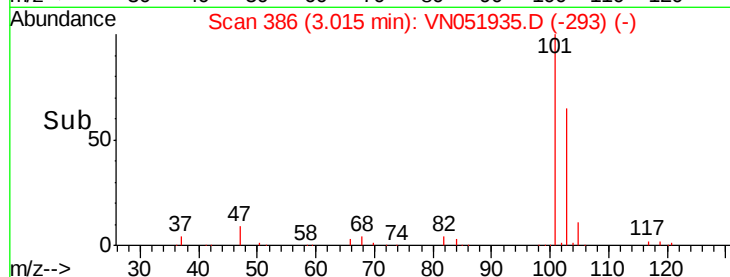
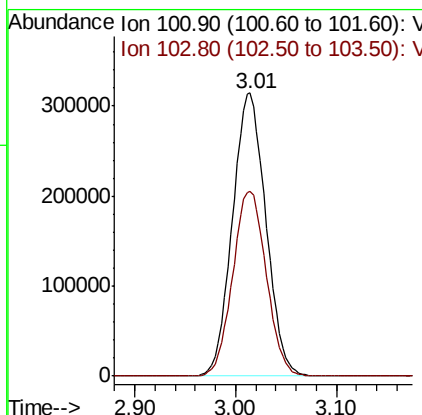
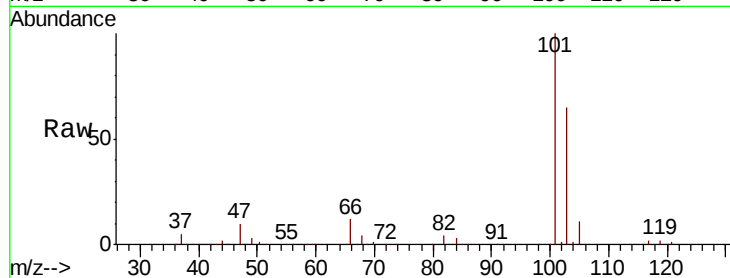
Trichlorofluoromethane
 Concen: 49.176 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.8	76.2

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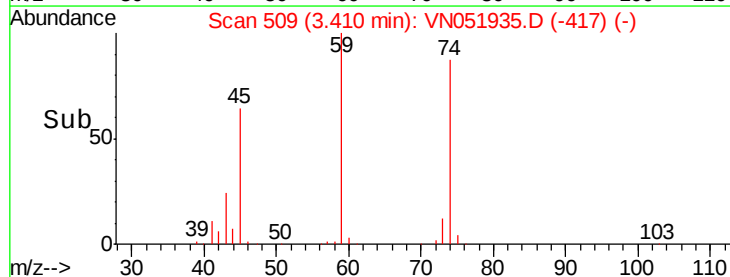
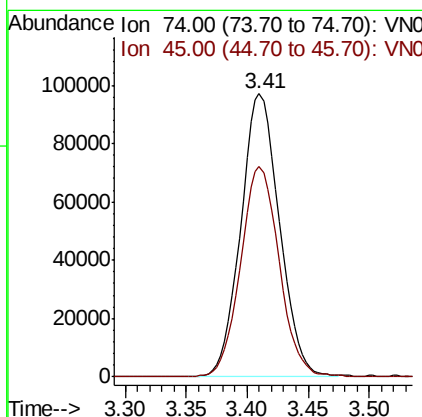
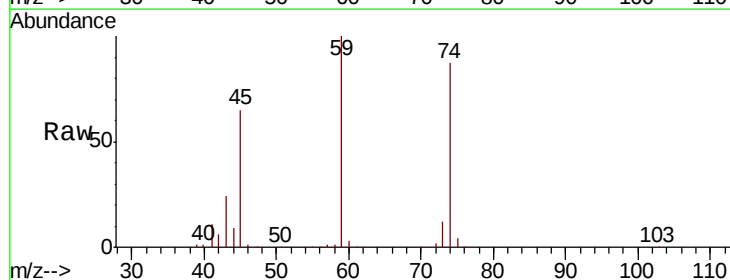
MMDadoda
 10/22/2018 11:35:15 AM

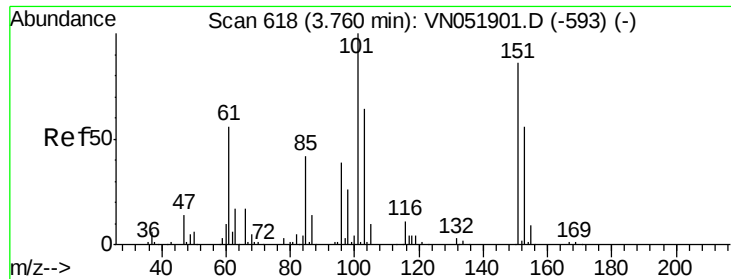


#8

Diethyl Ether
 Concen: 49.372 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.3	36.8	110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.021 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

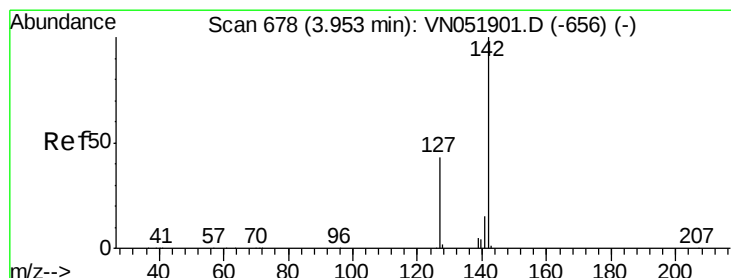
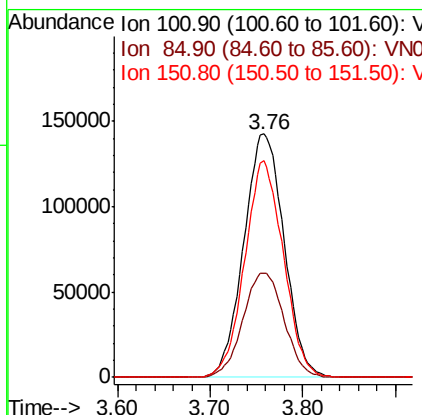
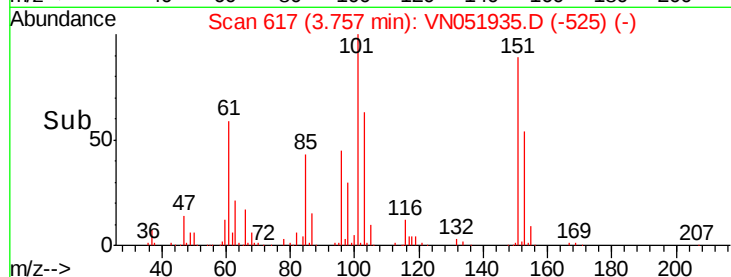
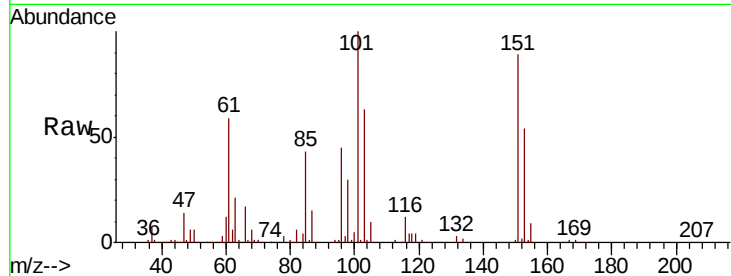
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	430495
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.8	52.2
151	85.3	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 47.257 ug/l

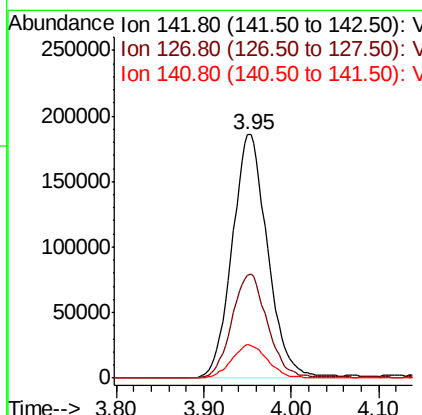
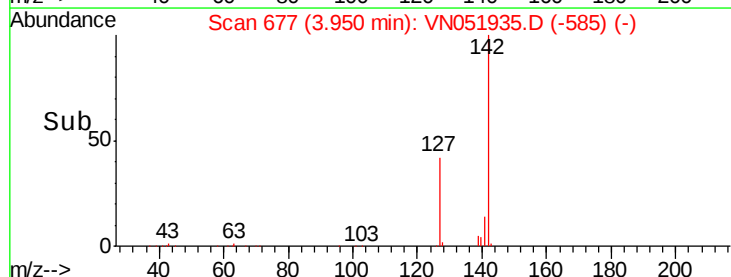
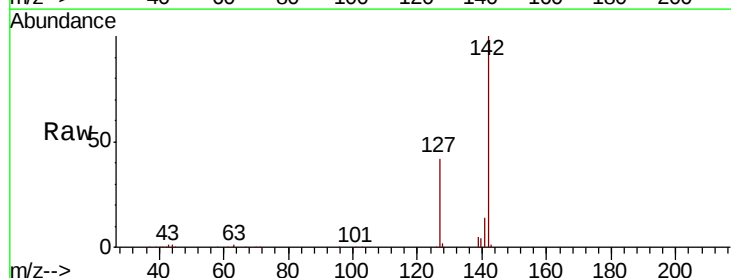
RT: 3.95 min Scan# 677

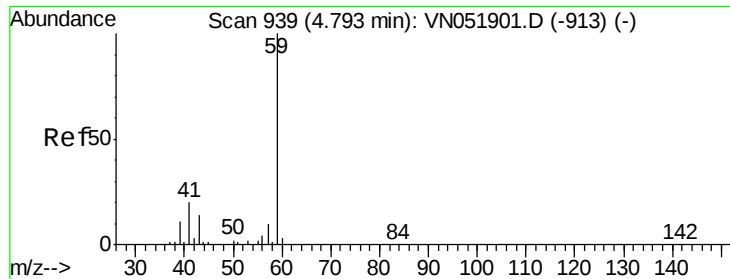
Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion:	142	Resp:	522834
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.3	51.5
141	14.0	11.1	16.7





#11

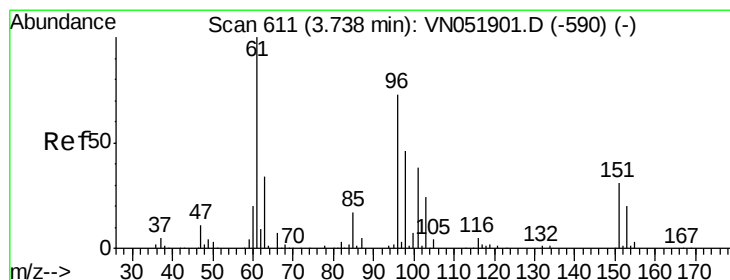
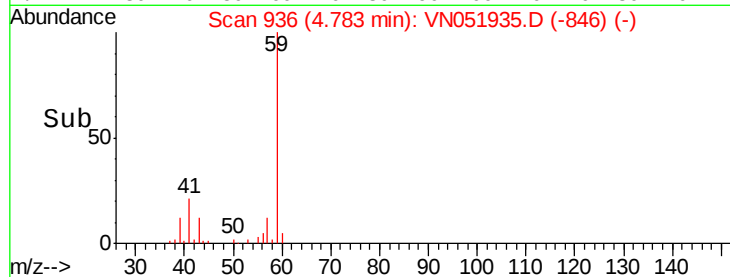
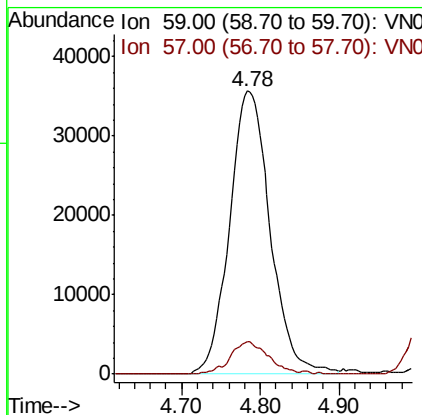
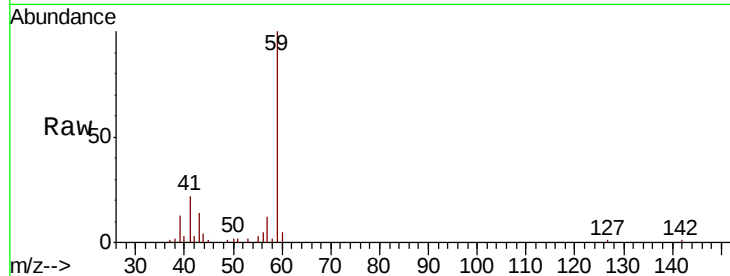
Tert butyl alcohol
Concen: 222.844 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

Manual Integrations
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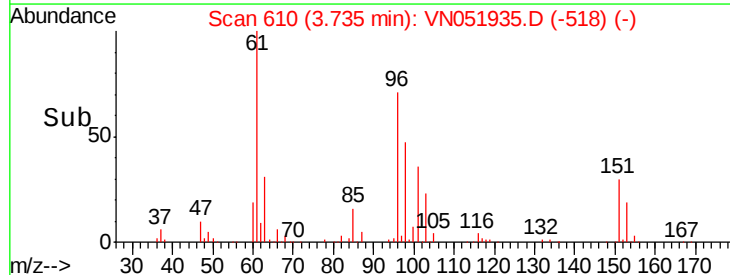
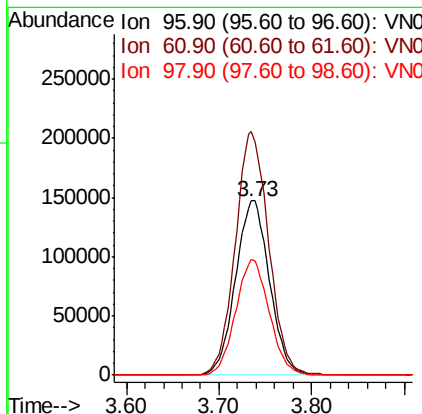
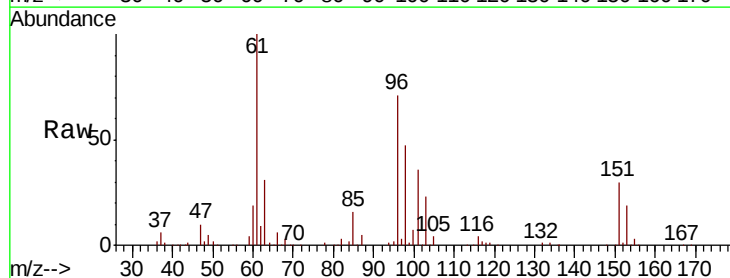
MMDadoda
10/22/2018 11:35:15 AM

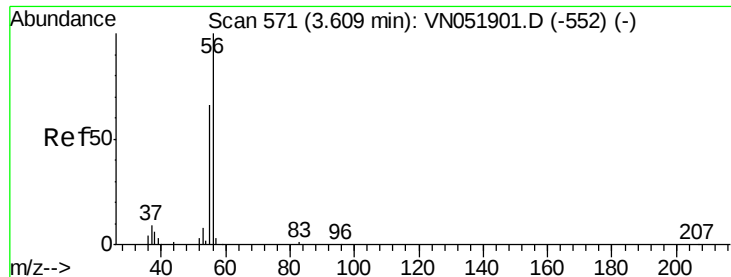


#12

1,1-Dichloroethene
Concen: 48.639 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	109.8	164.6
98	66.1	50.9	76.3





#13

Acrolein

Concen: 175.503 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73605

Ion Ratio Lower Upper

56 100

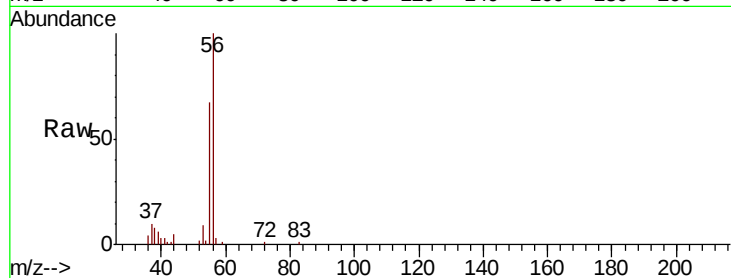
55 69.1 56.7 85.1

Manual Integrations

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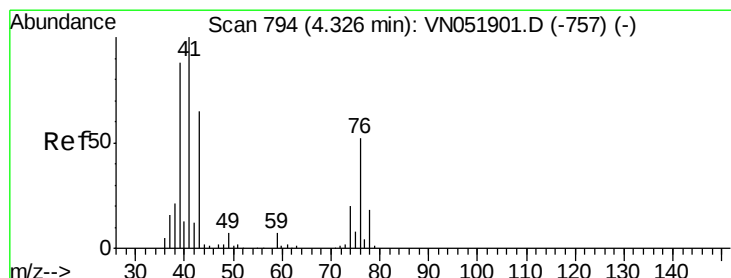
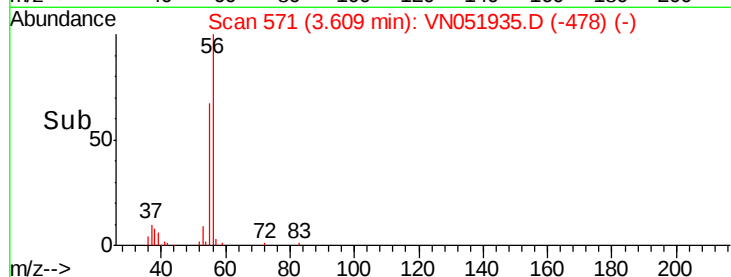
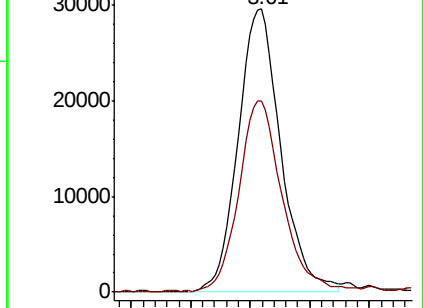
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Abundance Ion 56.00 (55.70 to 56.70): VN051901.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN051901.D (-552) (-)



#14

Allyl chloride

Concen: 50.890 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

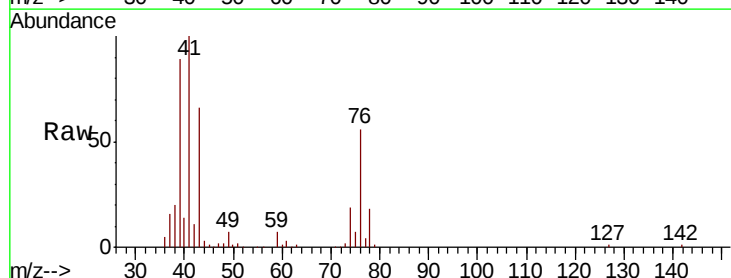
Tgt Ion: 41 Resp: 423917

Ion Ratio Lower Upper

41 100

39 83.8 65.4 98.0

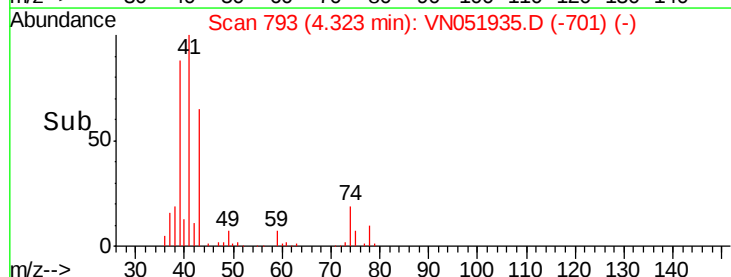
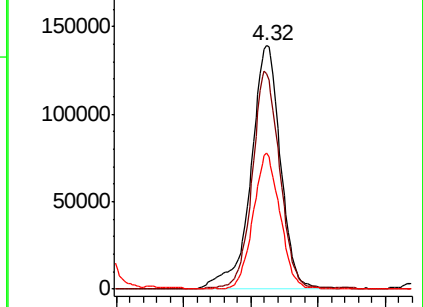
76 49.8 39.6 59.4

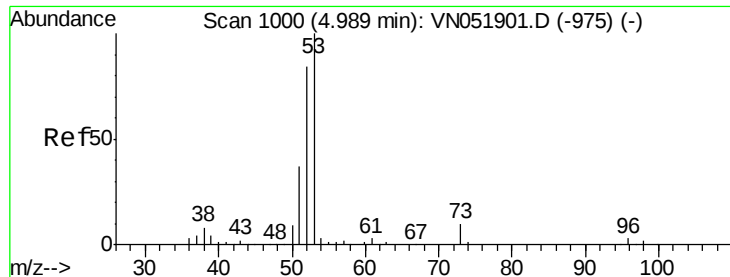


Abundance Ion 41.00 (40.70 to 41.70): VN051901.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN051901.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN051901.D (-757) (-)





#15

Acrylonitrile

Concen: 247.291 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

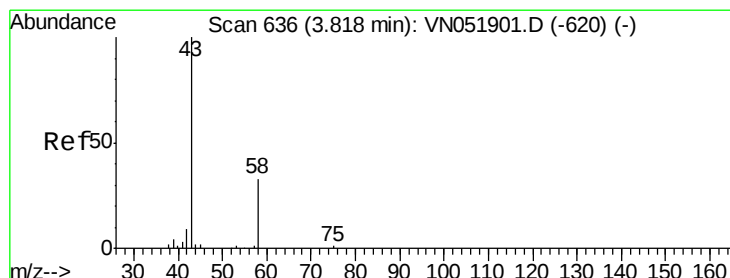
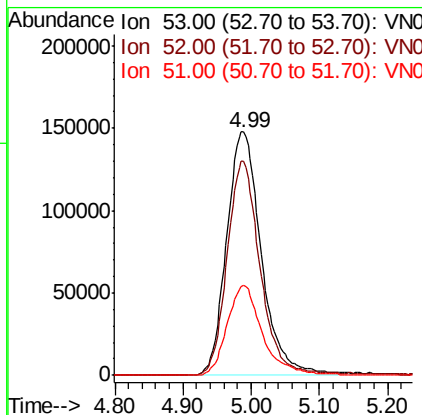
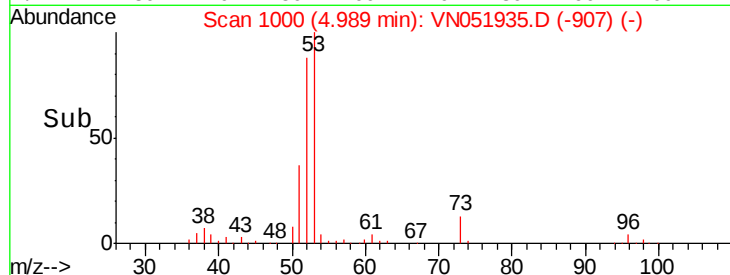
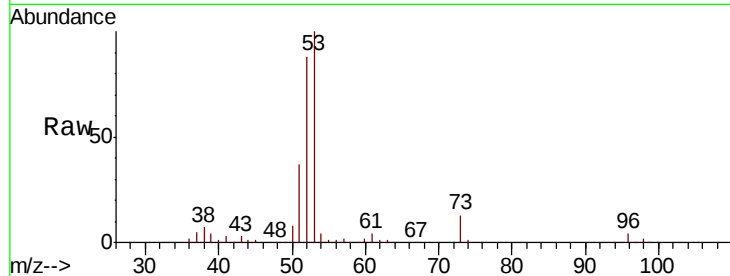
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	522727
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.8	98.8
51	37.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 277.390 ug/l

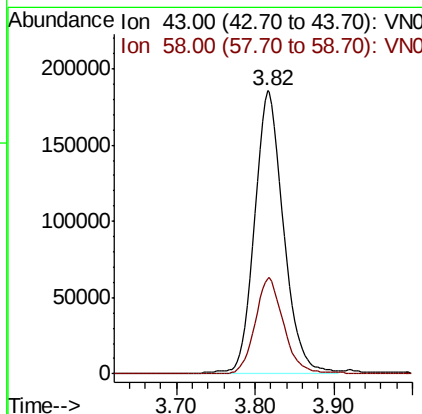
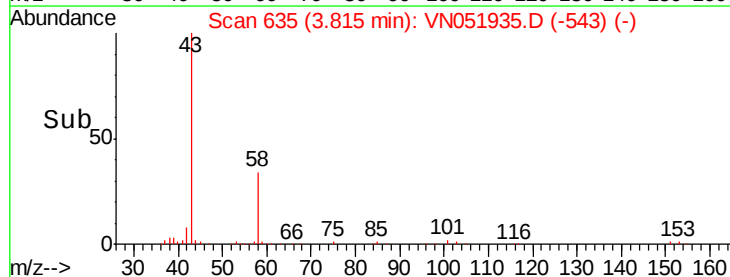
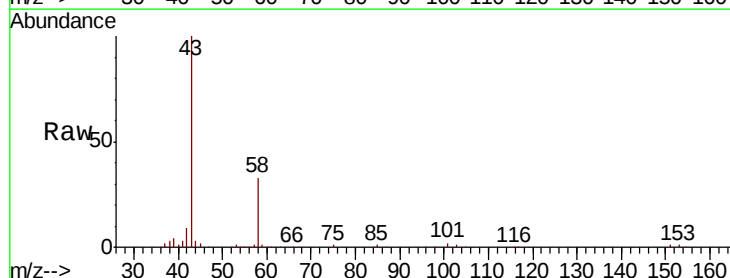
RT: 3.82 min Scan# 635

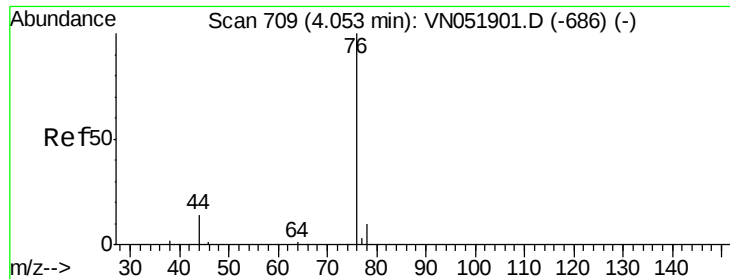
Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion:	43	Resp:	486635
Ion Ratio	Lower	Upper	
43	100		
58	33.5	25.9	38.9





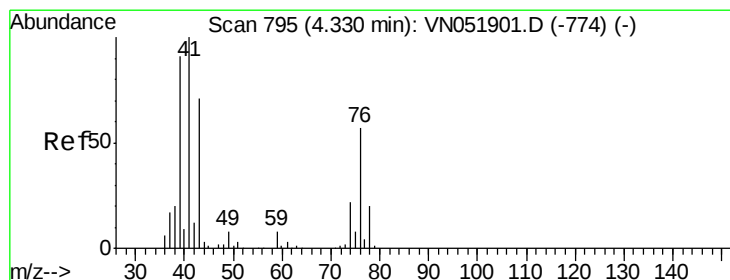
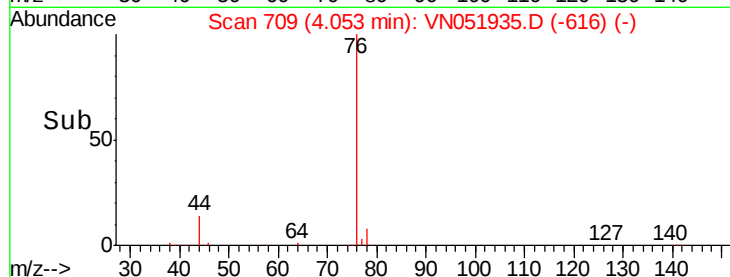
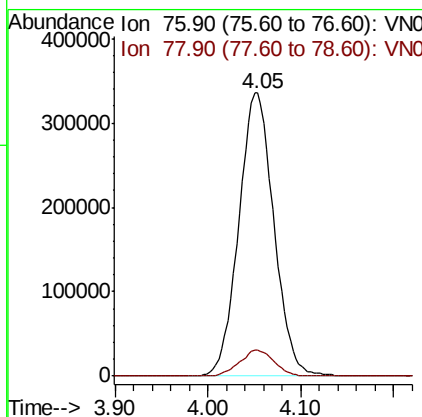
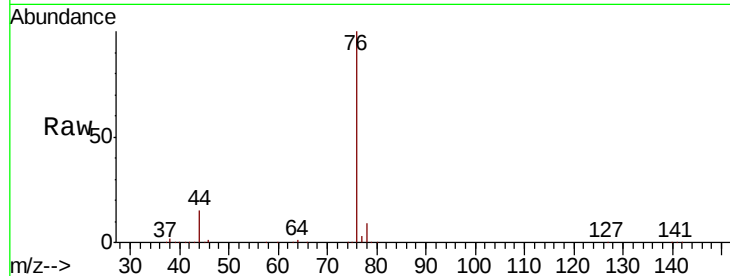
#17
Carbon Disulfide
Concen: 45.886 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

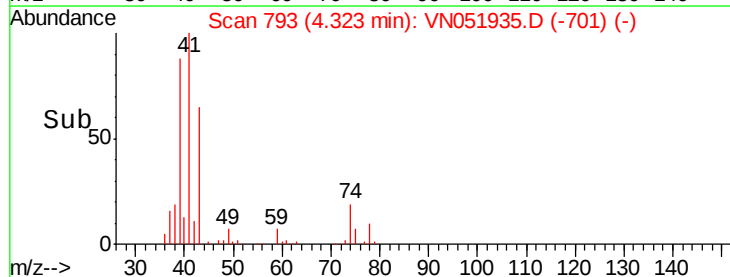
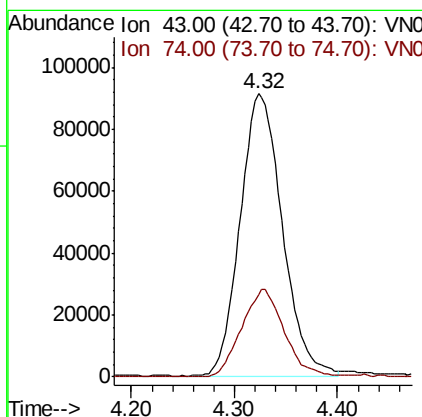
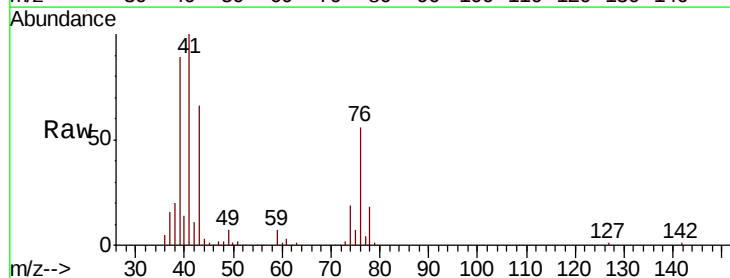
Manual Integrations
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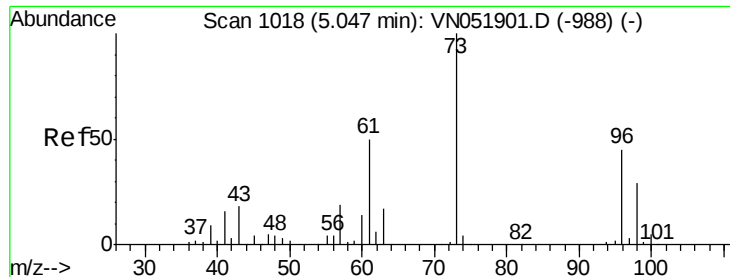
MMDadoda
10/22/2018 11:35:15 AM



#18
Methyl Acetate
Concen: 49.547 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.7	24.9	37.3





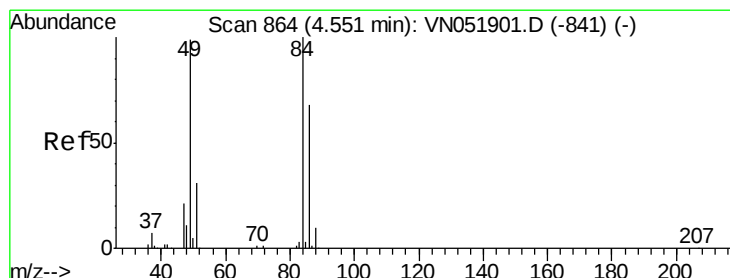
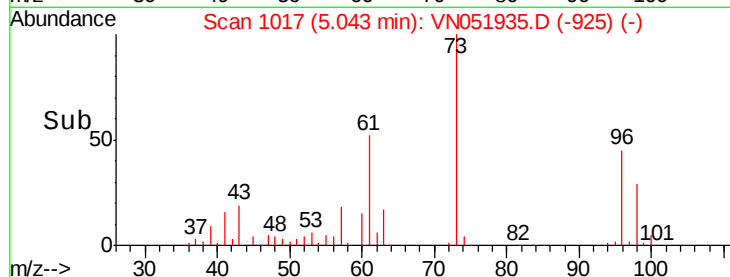
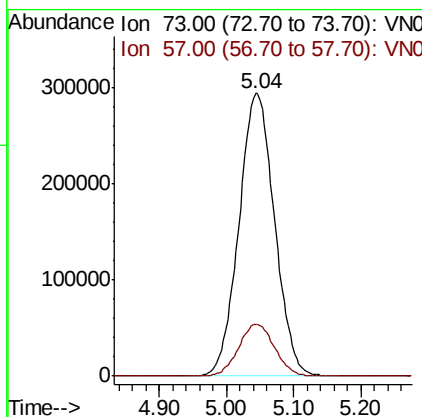
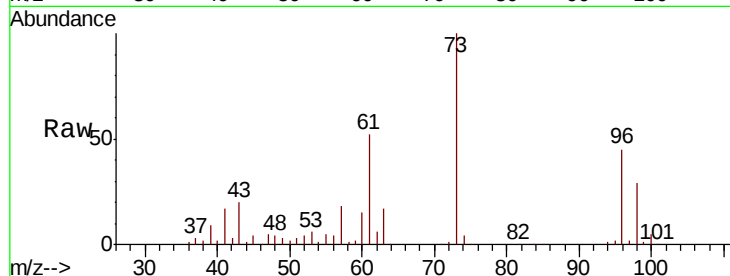
#19
Methvl tert-butvl Ether
Concen: 48.662 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1078597
Ion Ratio Lower Upper
73 100
57 18.3 15.3 22.9

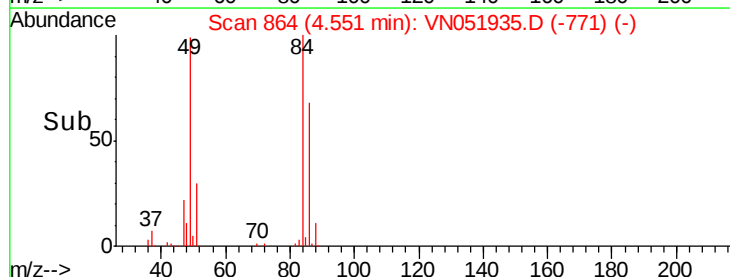
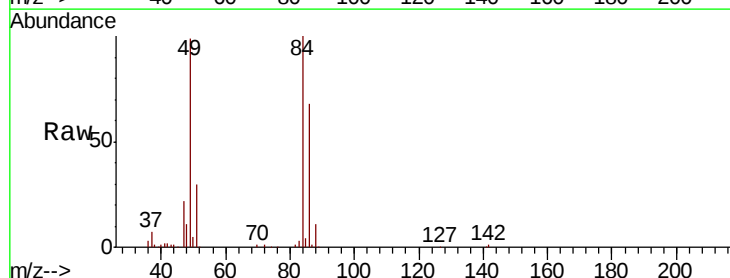
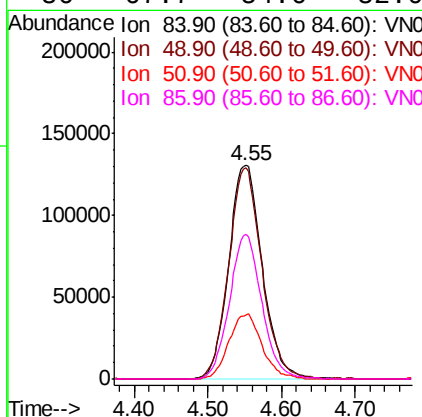
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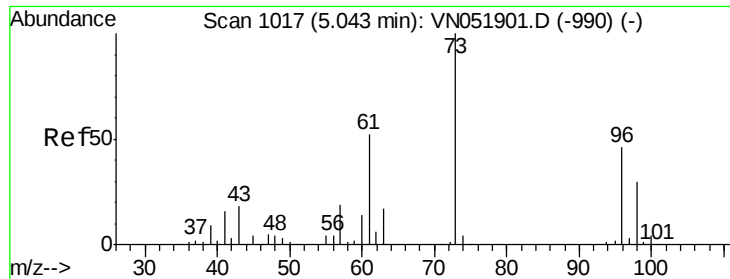
MMDadoda
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#20
Methylene Chloride
Concen: 46.545 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion: 84 Resp: 415095
Ion Ratio Lower Upper
84 100
49 99.1 79.0 118.4
51 30.1 24.9 37.3
86 67.7 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 47.887 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 423279

Ion Ratio Lower Upper

96 100

61 116.4 89.8 134.6

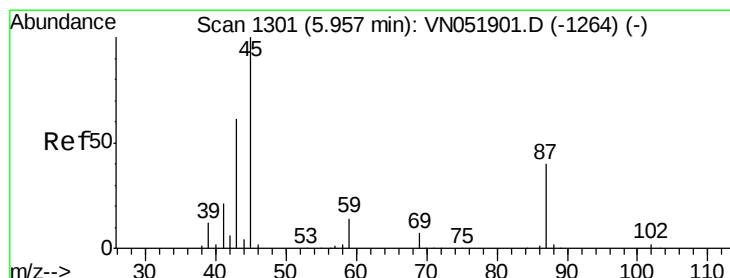
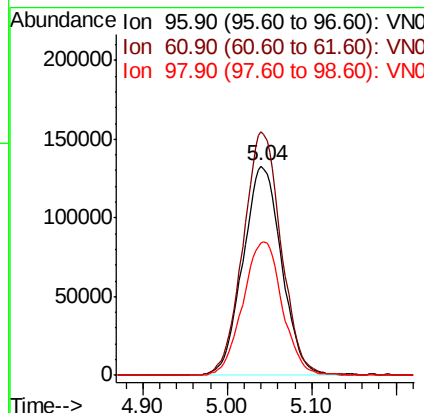
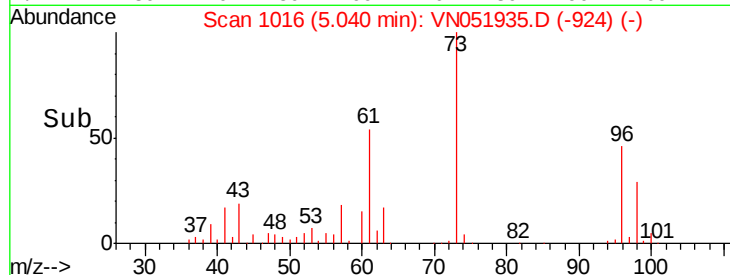
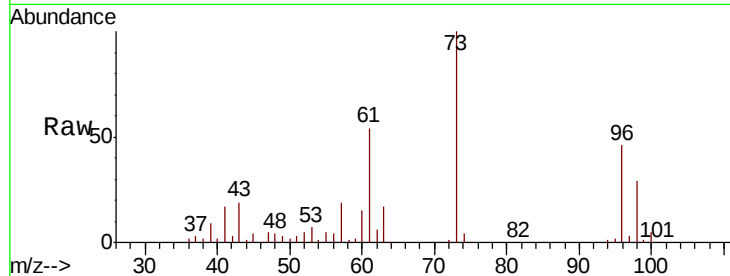
98 63.3 51.7 77.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.639 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion: 45 Resp: 963690

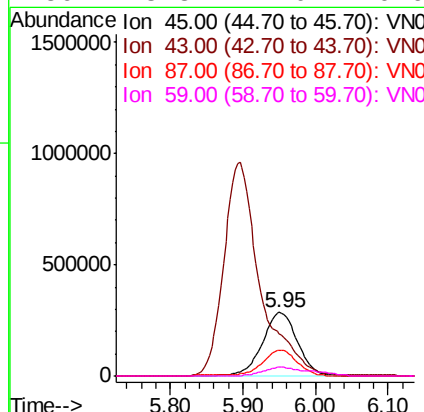
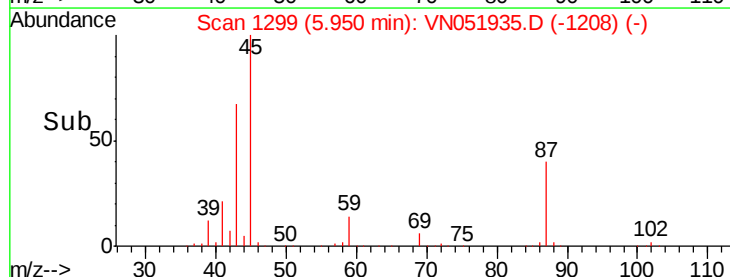
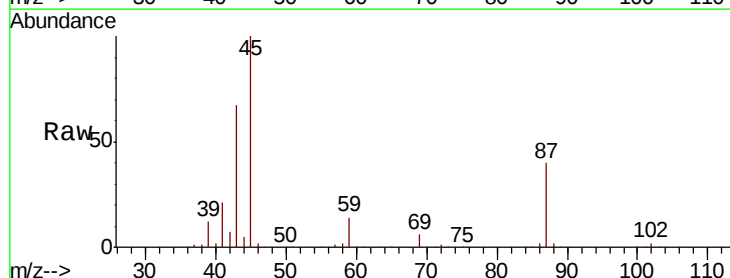
Ion Ratio Lower Upper

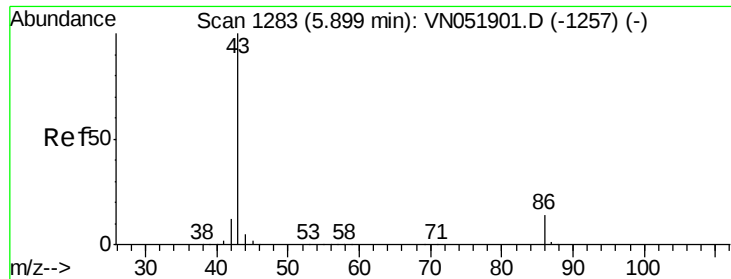
45 100

43 66.6 48.9 73.3

87 39.8 32.6 48.8

59 13.3 11.0 16.6





#23

Vinyl Acetate

Concen: 251.060 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3355620

Ion Ratio Lower Upper

43 100

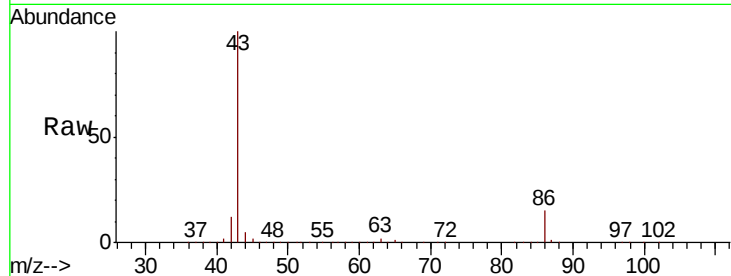
86 14.5 11.5 17.3

Manual Integrations

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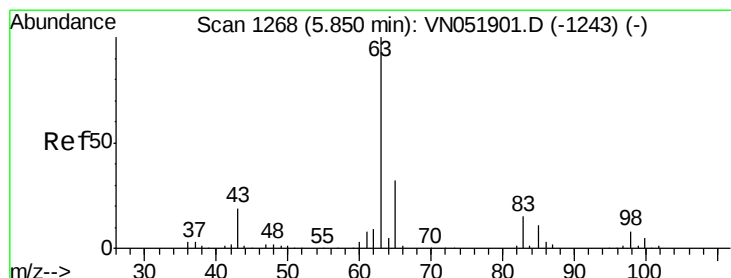
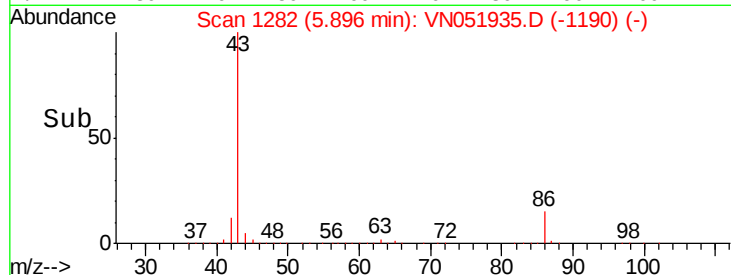
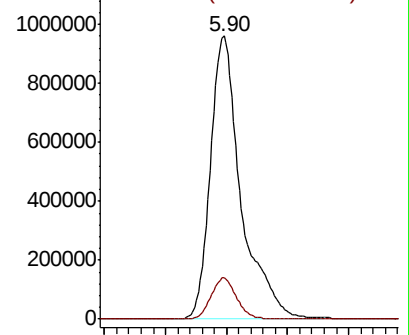
MMDadoda

10/22/2018 11:35:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.027 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

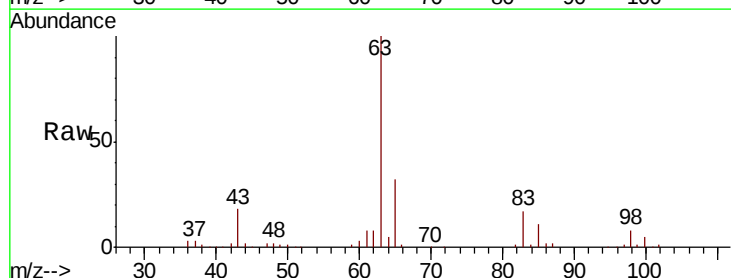
Tgt Ion: 63 Resp: 689283

Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

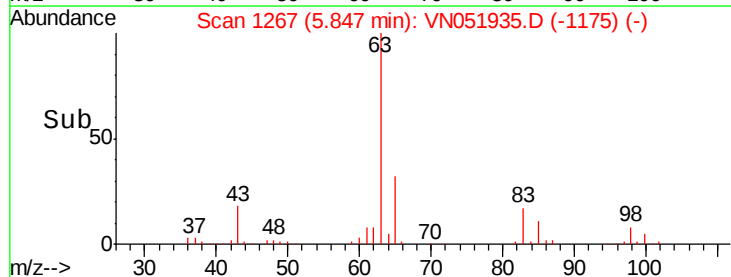
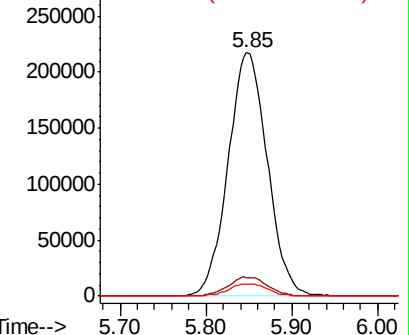
100 5.1 2.4 7.1

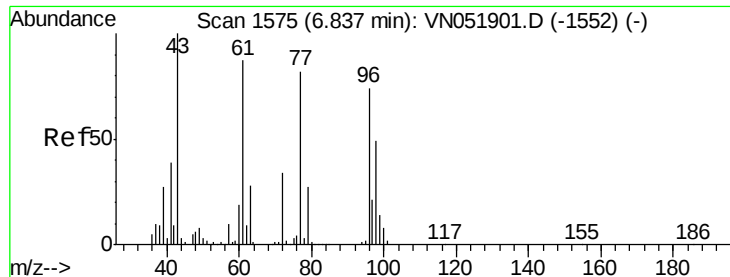


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





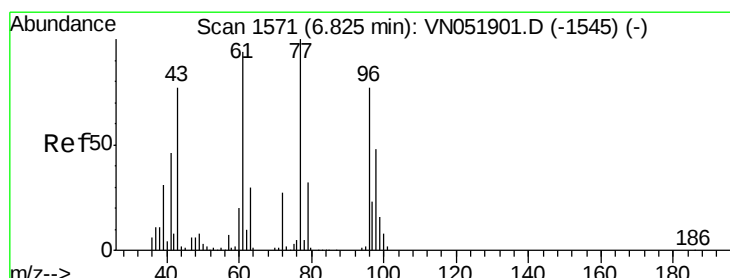
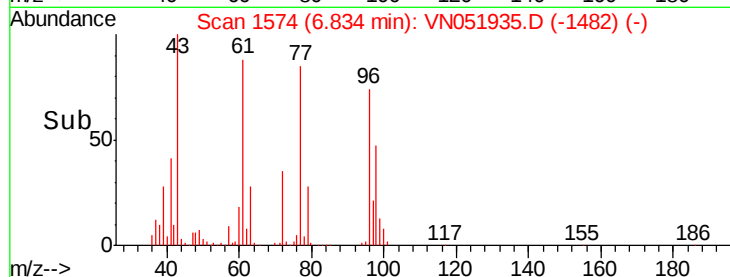
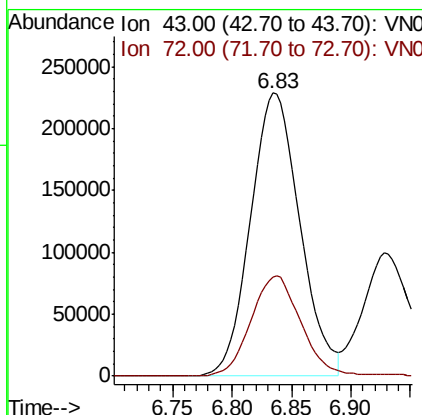
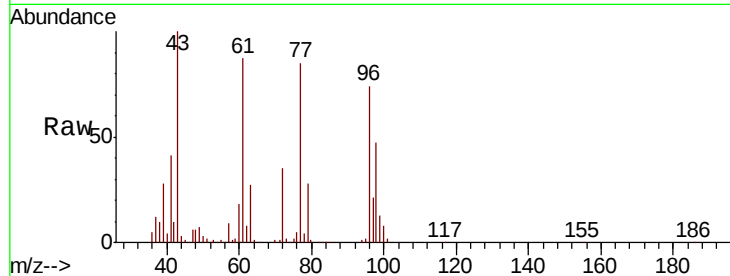
#25
2-Butanone
Concen: 261.744 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	656260
Ion Ratio	100	Lower	Upper
72	35.0	27.0	40.6

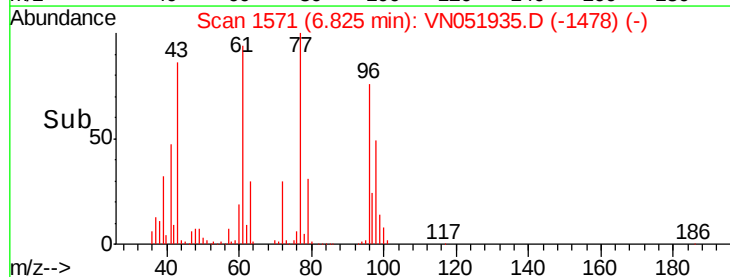
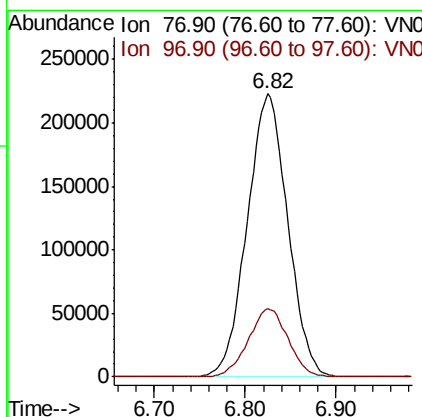
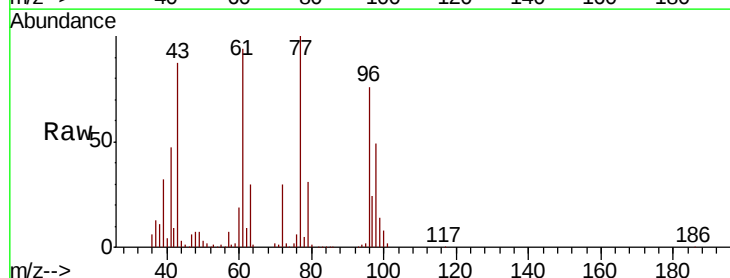
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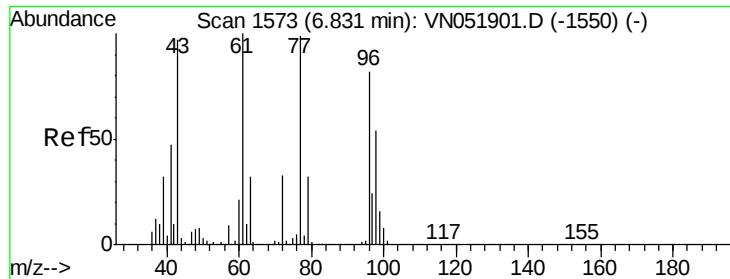
MMDadoda
10/22/2018 11:35:15 AM



#26
2,2-Dichloropropane
Concen: 51.827 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	77	Resp	689130
Ion Ratio	100	Lower	Upper
97	23.7	12.0	36.1





#27

cis-1,2-Dichloroethene

Concen: 48.914 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

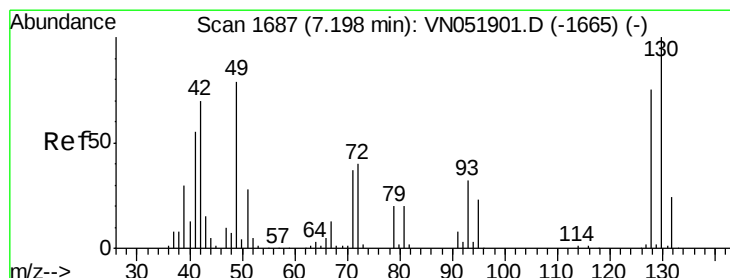
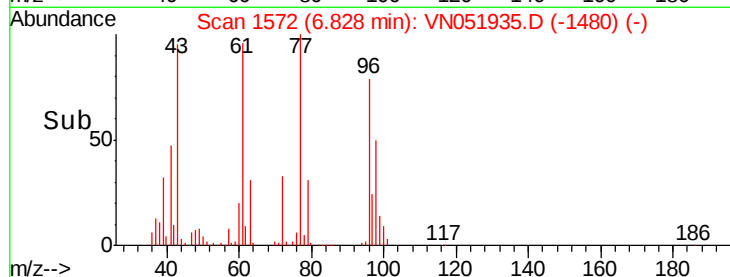
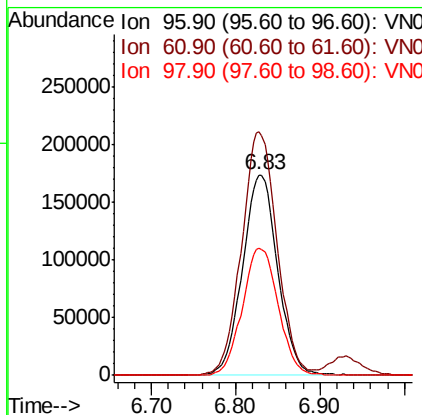
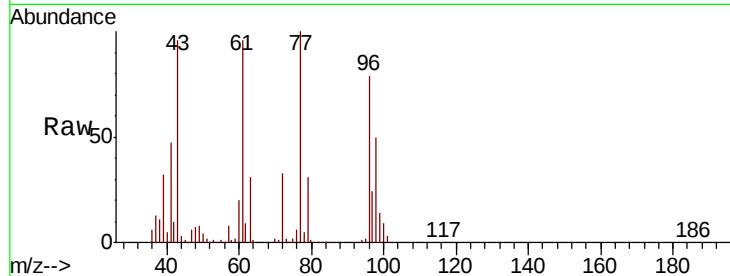
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	502450
Ion	Ratio	Lower	Upper
96	100		
61	122.9	0.0	240.2
98	65.1	0.0	129.8

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#28

Bromochloromethane

Concen: 48.148 ug/l

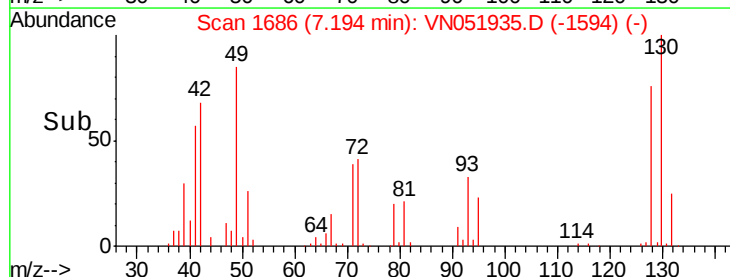
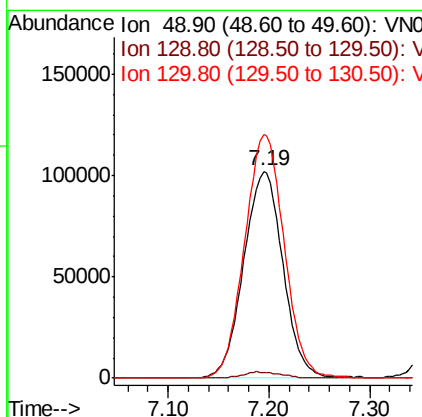
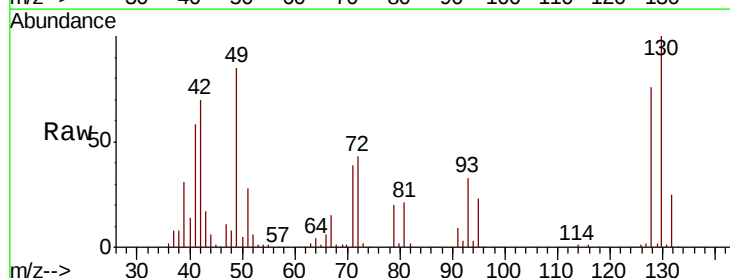
RT: 7.19 min Scan# 1686

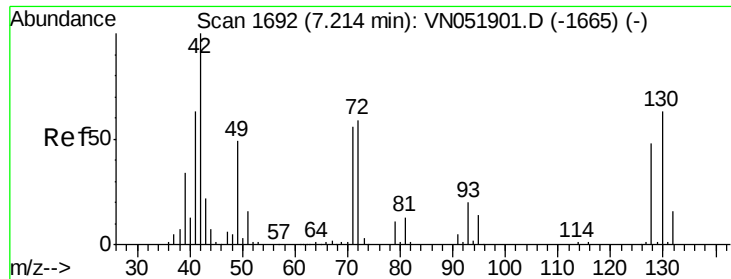
Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion:	49	Resp:	274878
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.0
130	119.1	96.7	145.1





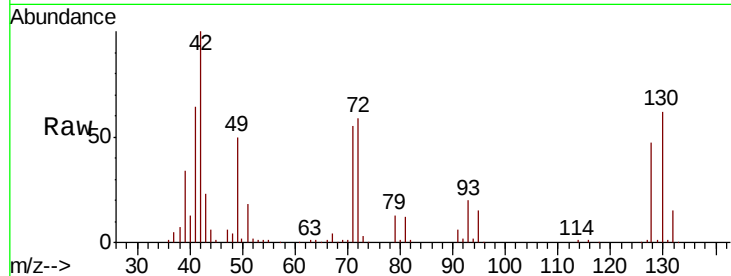
#29
Tetrahydrofuran
Concen: 243.322 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

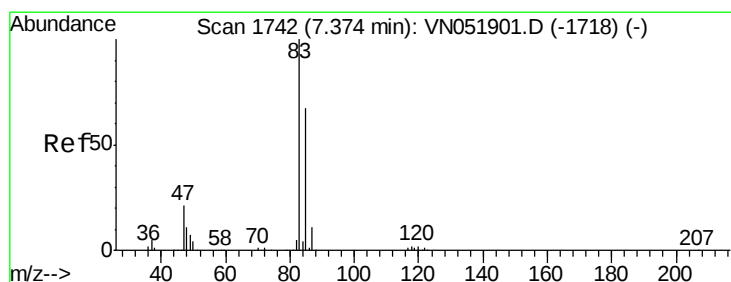
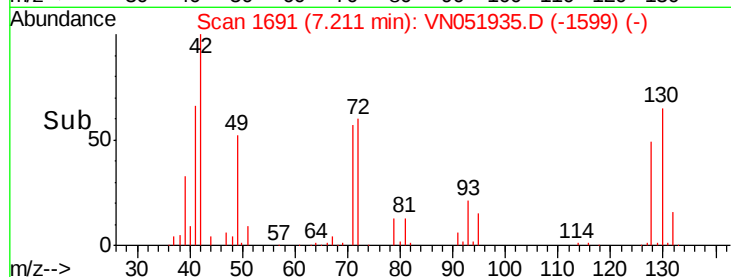
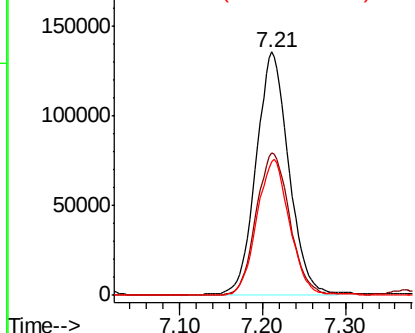
Tot Ion	Ratio	Lower	Upper
42	100		
72	60.0	47.7	71.5
71	55.6	45.4	68.0

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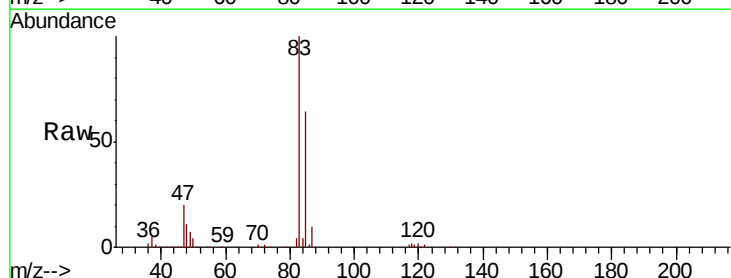


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

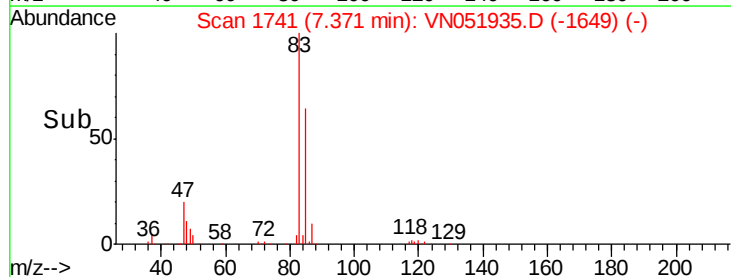
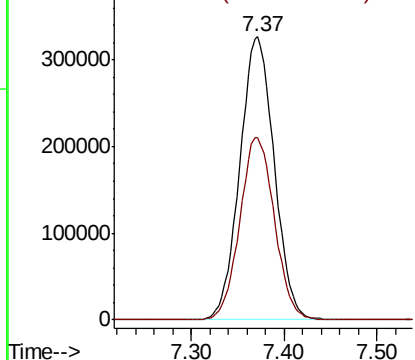


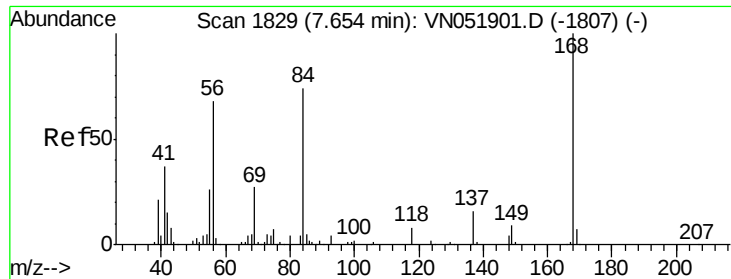
#30
Chloroform
Concen: 50.051 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.4	80.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





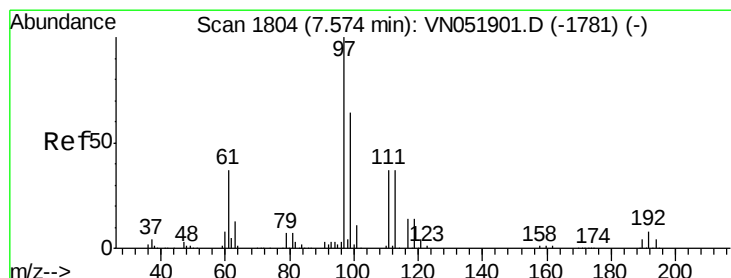
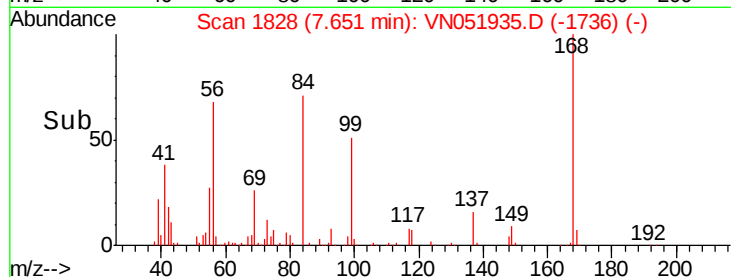
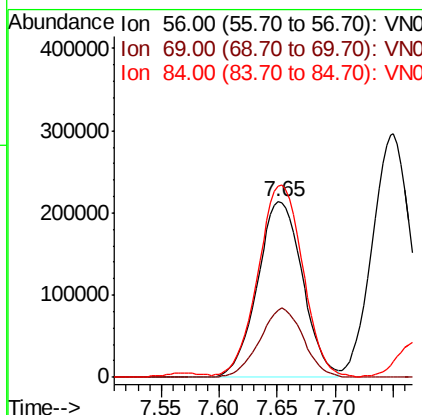
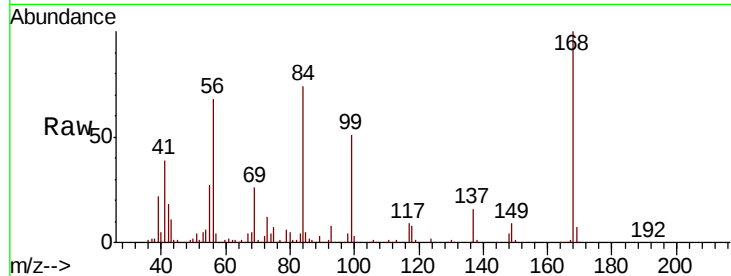
#31
Cyclohexane
Concen: 50.877 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	31.2	46.8
84	106.9	86.6	130.0

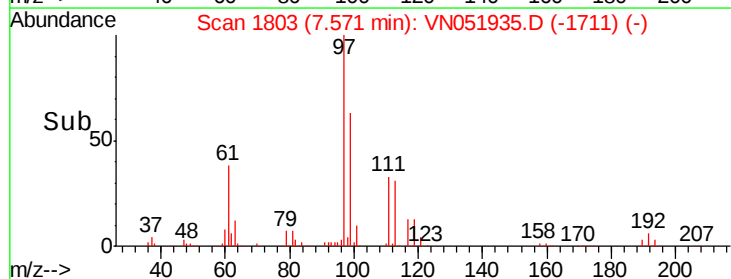
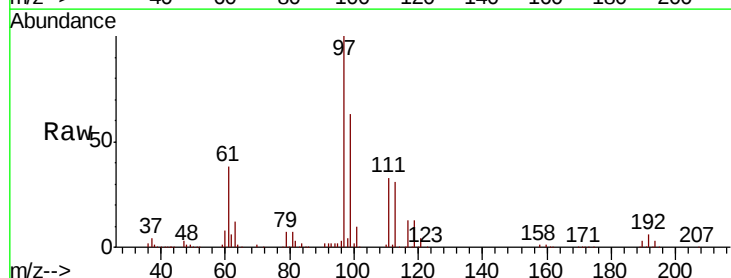
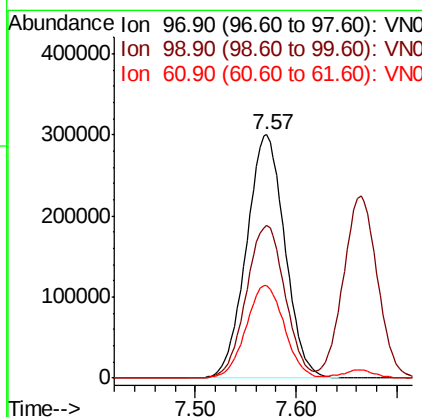
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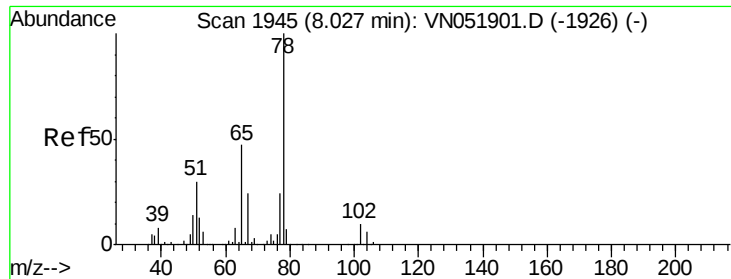
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.563 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	37.9	29.8	44.6





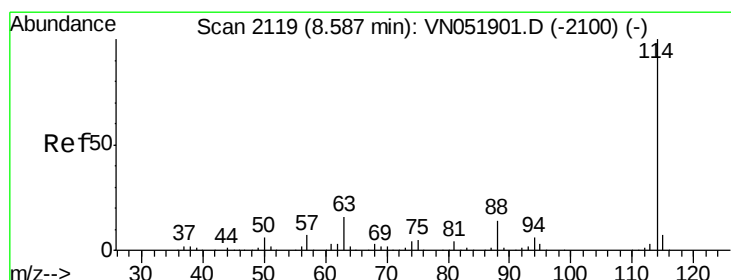
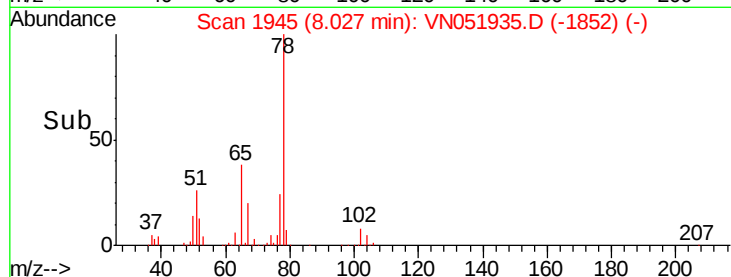
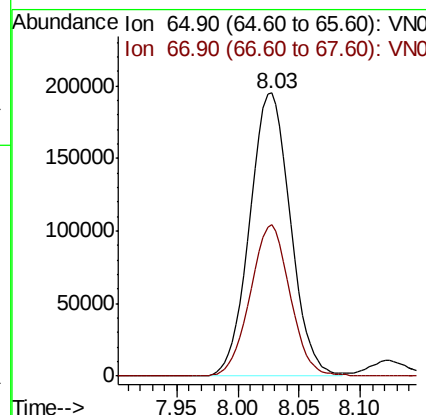
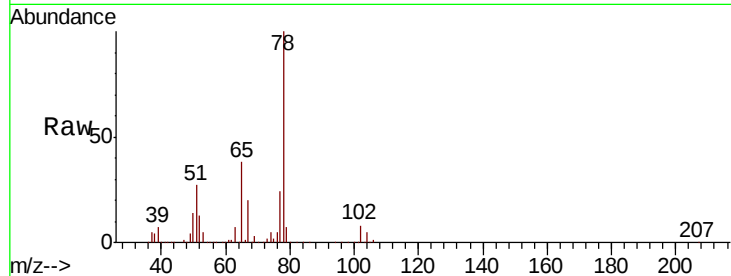
#33
 1,2-Dichloroethane-d4
 Concen: 50.563 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	104.0	

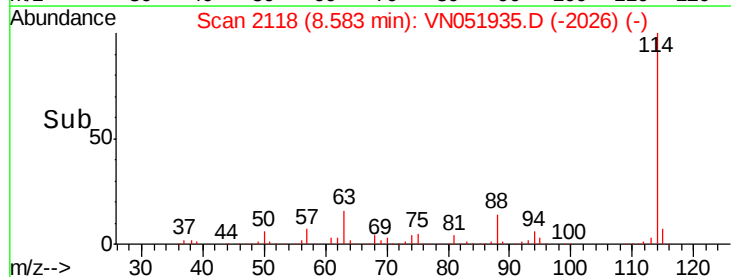
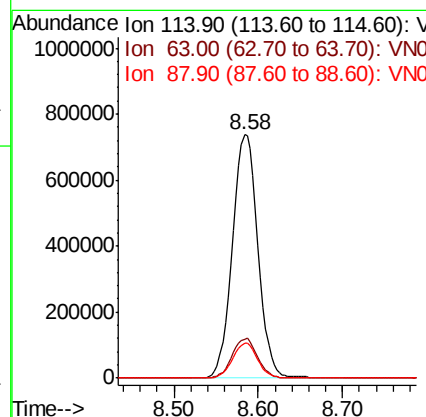
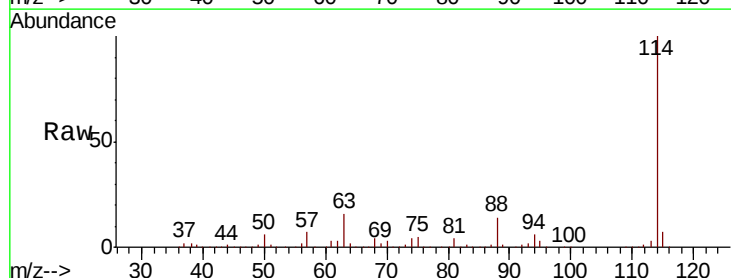
Manual Integrations
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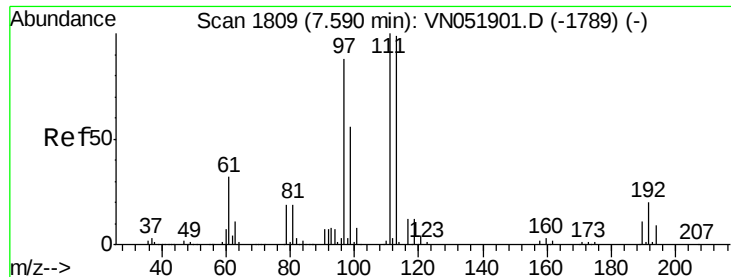
MMDadoda
 10/22/2018 11:35:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.2	0.0	31.8	
88	14.2	0.0	28.0	





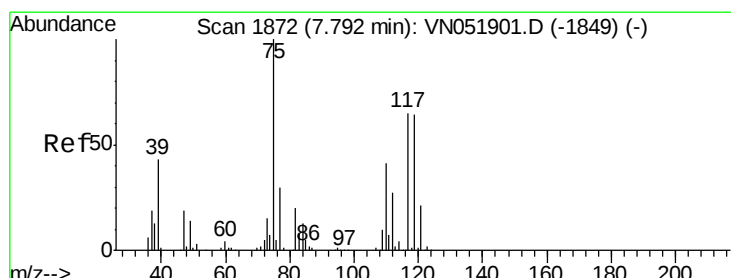
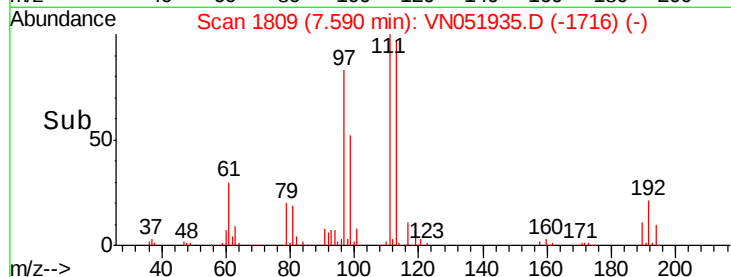
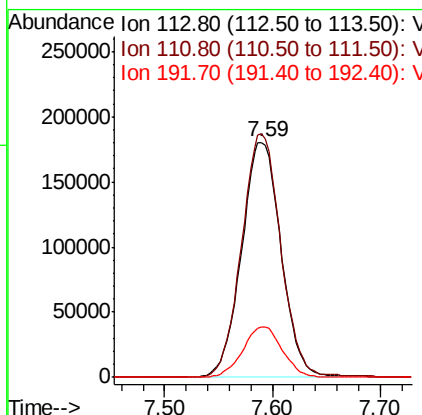
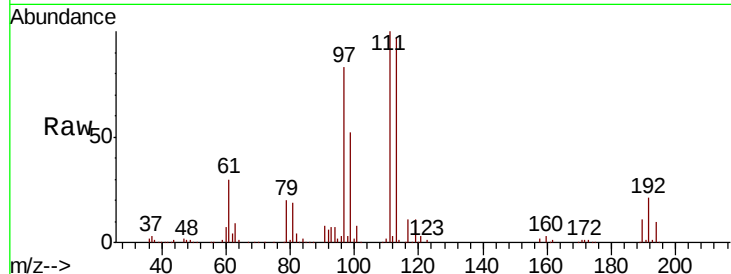
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	82.6	123.8	
192	21.6	17.3	25.9	

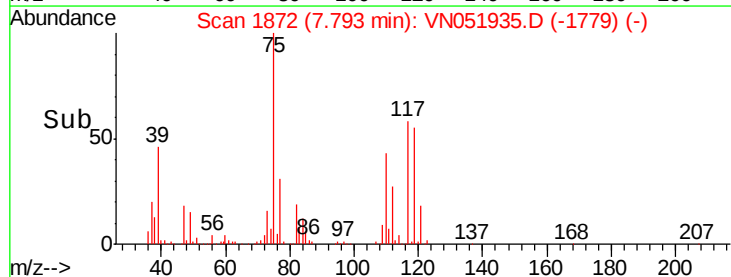
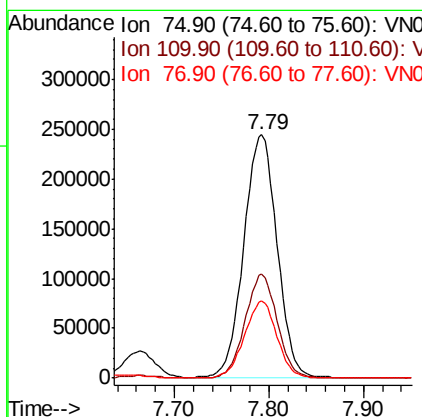
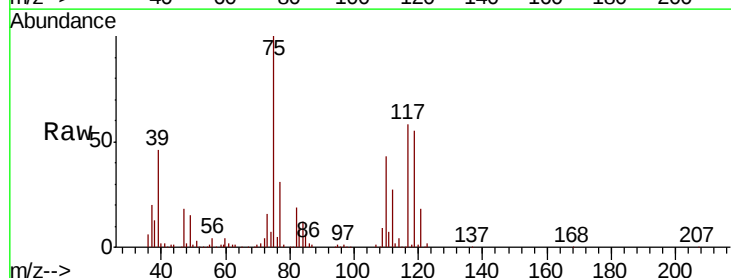
Manual Integrations
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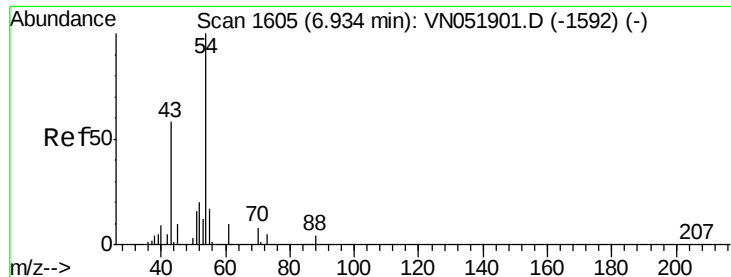
MMDadoda
 10/22/2018 11:35:15 AM



#36
 1,1-Dichloropropene
 Concen: 49.428 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	41.3	21.0	63.0	
77	31.2	24.9	37.3	





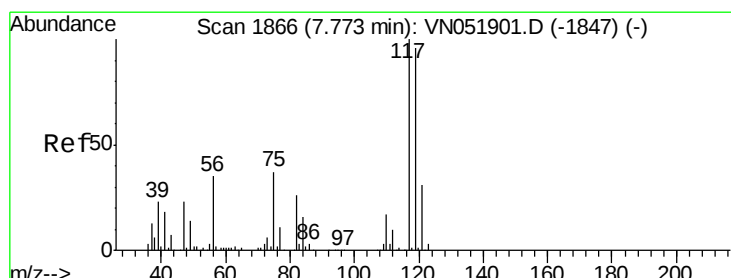
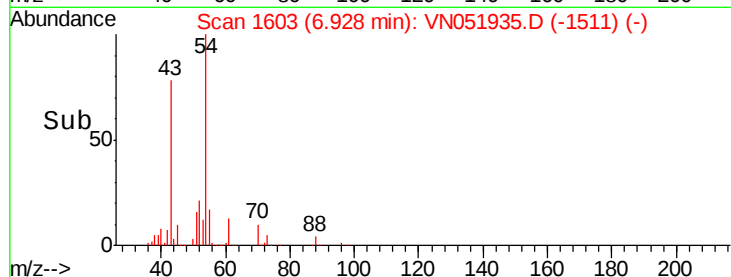
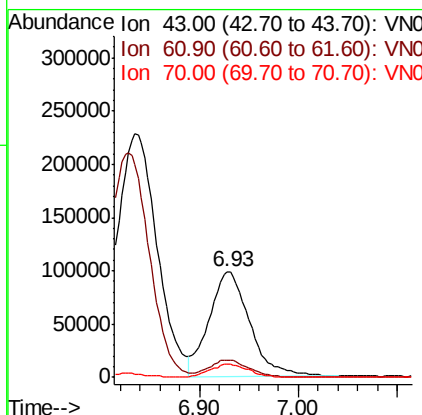
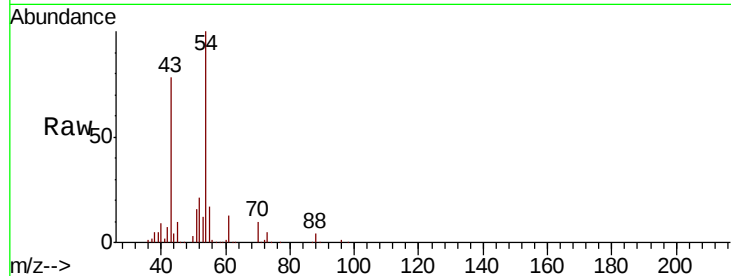
#37
Ethyl Acetate
Concen: 50.827 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.5	13.0	19.6	
70	11.8	10.4	15.6	

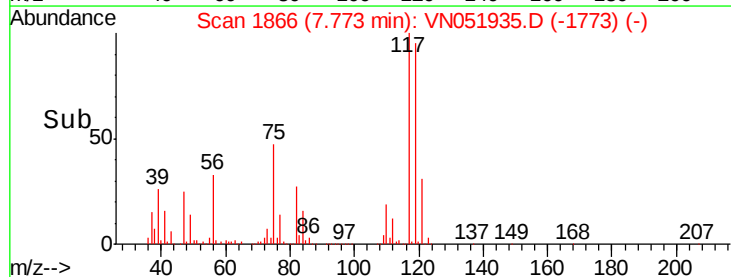
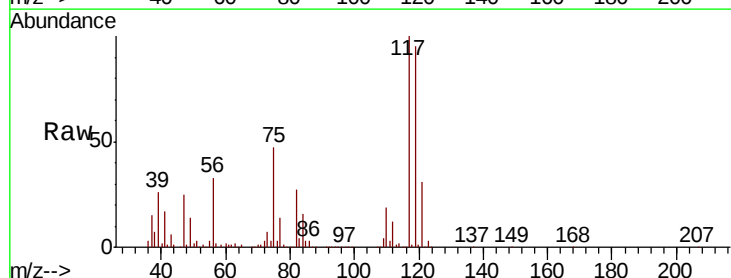
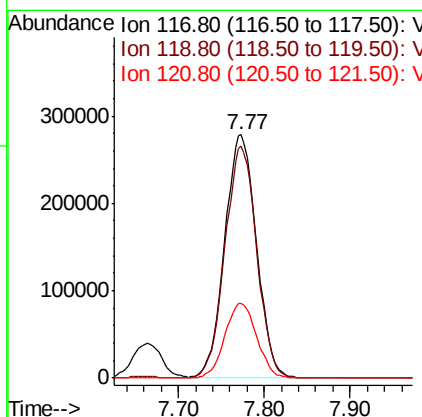
Manual Integrations
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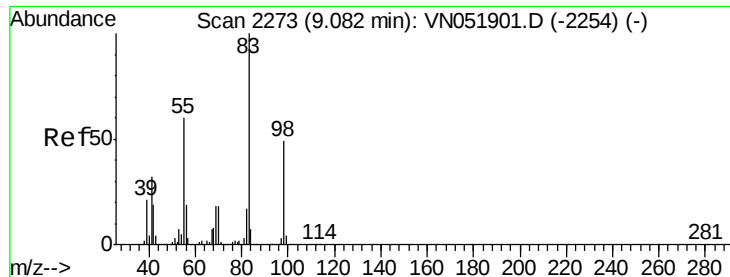
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	77.0	115.6	
121	30.8	25.1	37.7	





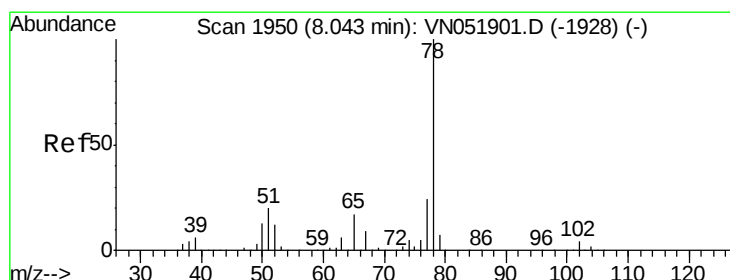
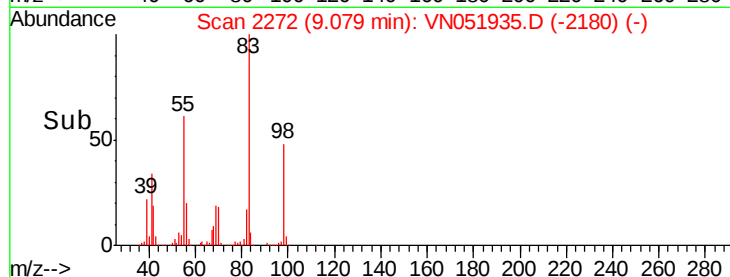
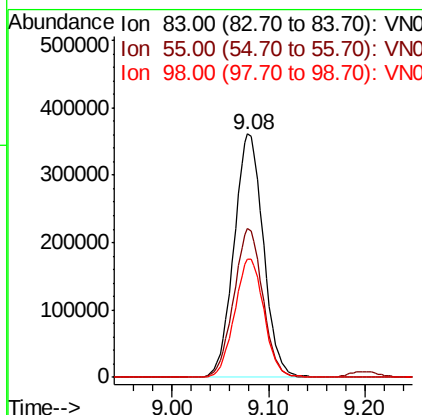
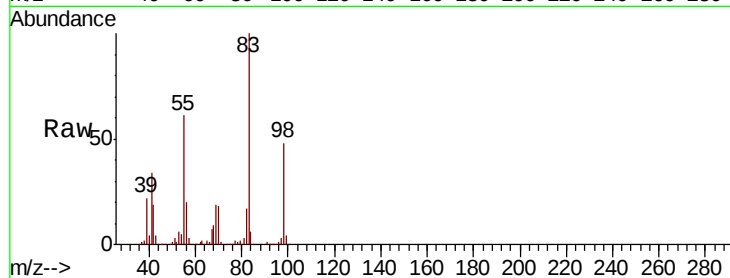
#39
Methylvlcvclohexane
Concen: 51.080 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.9	47.8	71.8
98	48.4	39.0	58.4

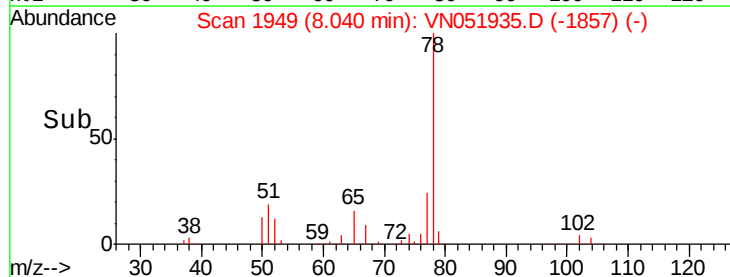
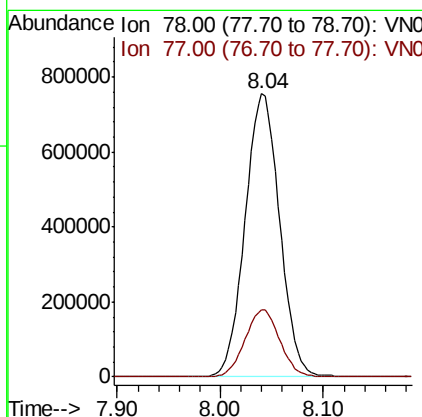
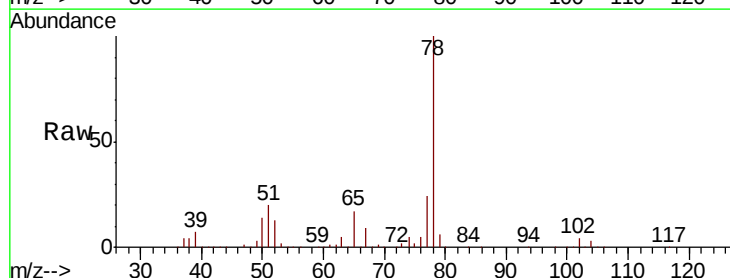
Manual Integrations
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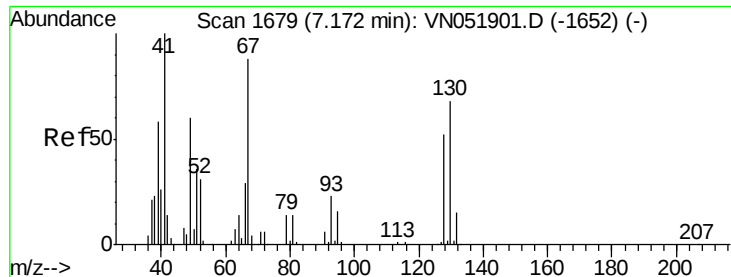
MMDadoda
10/22/2018 11:35:15 AM



#40
Benzene
Concen: 49.900 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





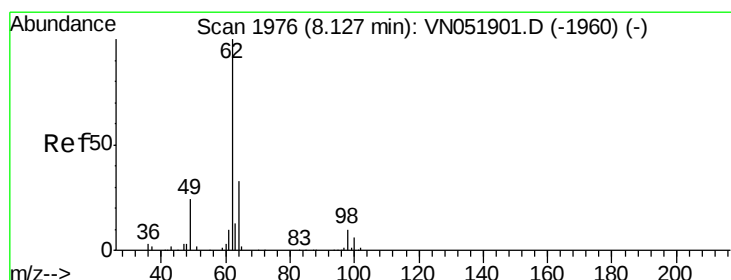
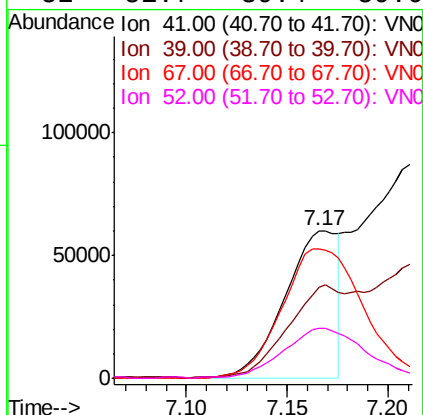
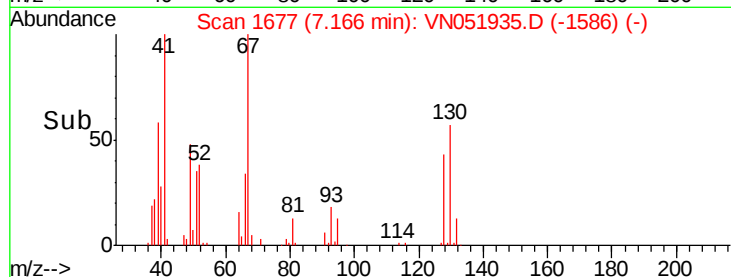
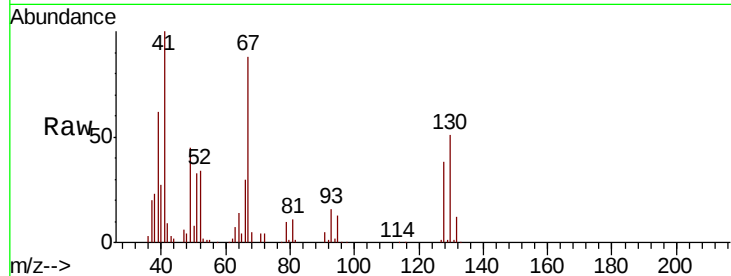
#41
Methacrylonitrile
Concen: 39.947 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	109196
Ion Ratio	Lower	Upper	
41	100		
39	65.3	56.1	84.1
67	136.0	106.5	159.7
52	51.7	39.4	59.0

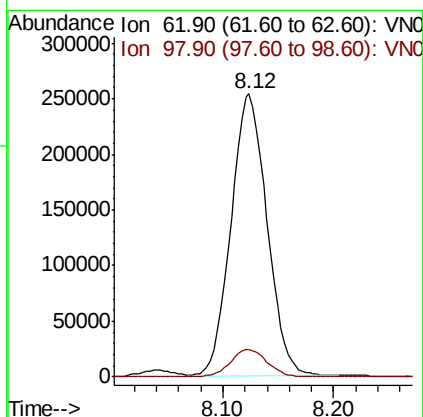
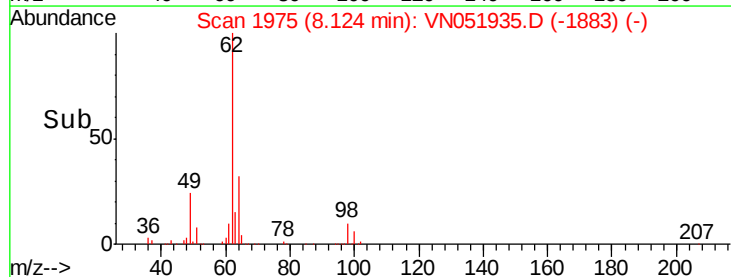
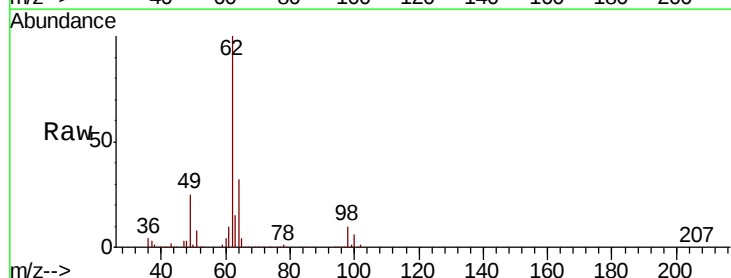
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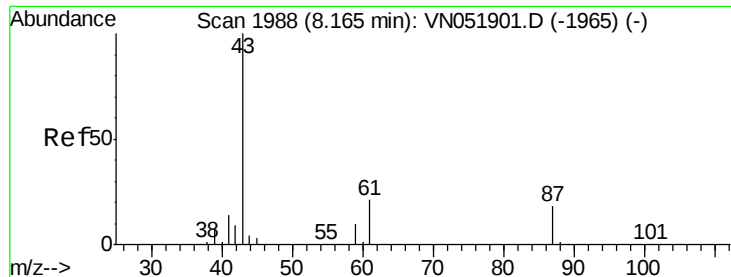
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#42
1,2-Dichloroethane
Concen: 50.880 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	62	Resp	573070
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	19.6





#43

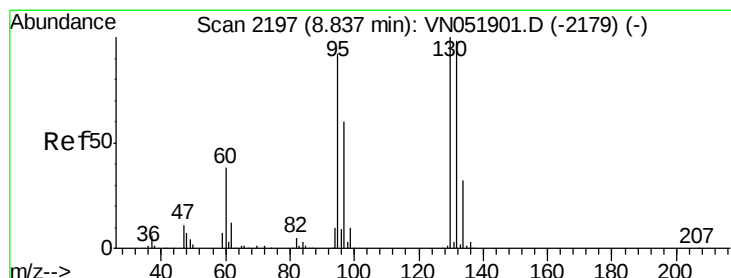
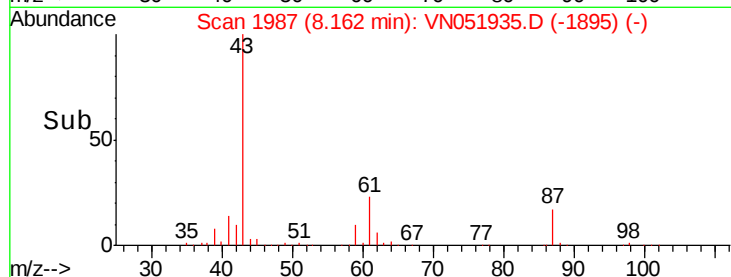
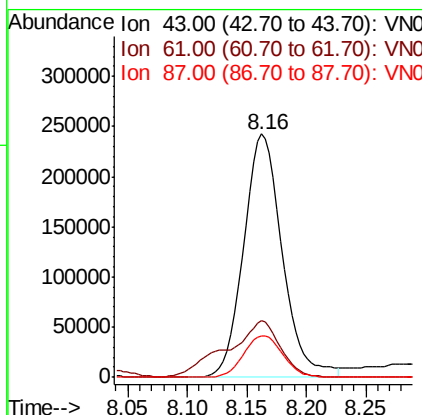
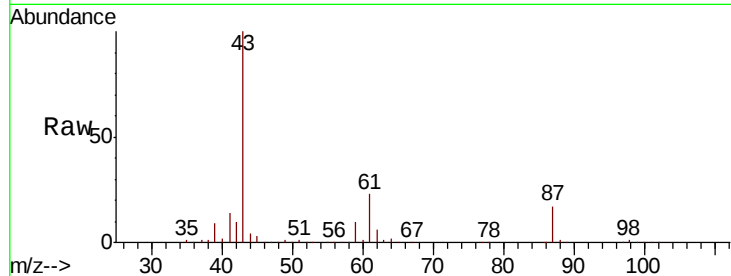
Isopropyl Acetate
 Concen: 49.846 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.9	37.3
87	17.5	14.6	22.0

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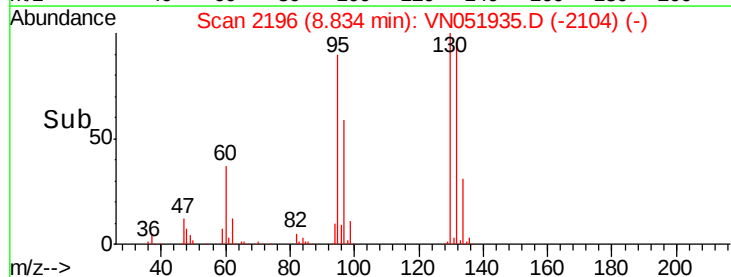
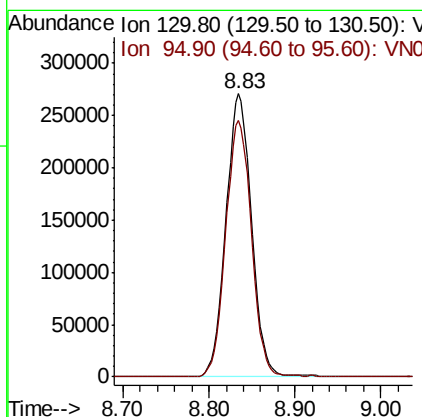
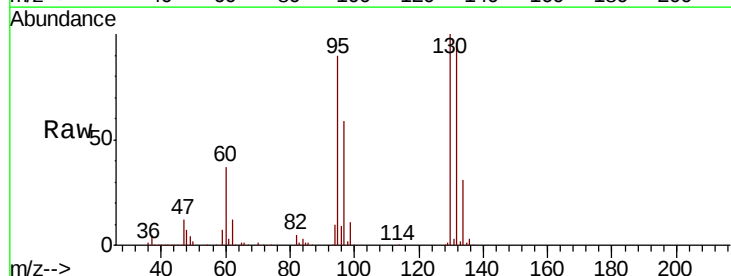
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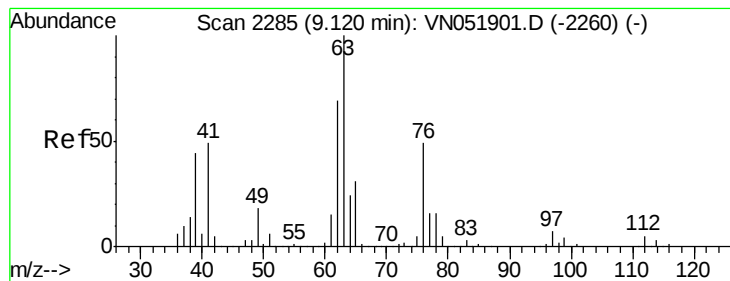


#44

Trichloroethene
 Concen: 50.695 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	183.2





#45

1,2-Dichloropropane

Concen: 50.951 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tot Ion: 63 Resp: 414207

Ion Ratio Lower Upper

63 100

65 31.3 24.9 37.3

Instrument :

MSVOA_N

ClientSampleId :

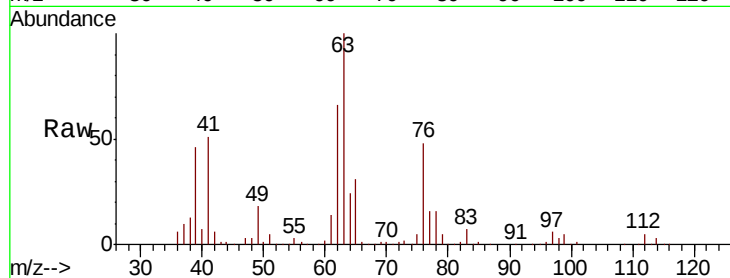
VSTDCCC050

Manual Integrations

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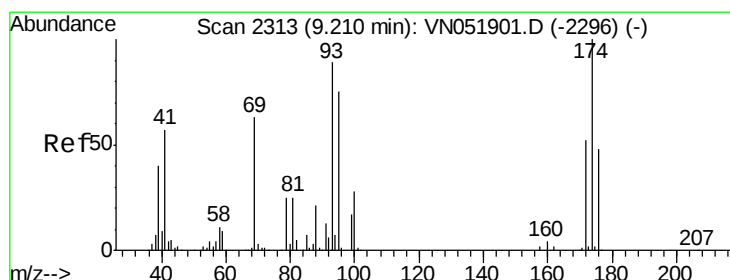
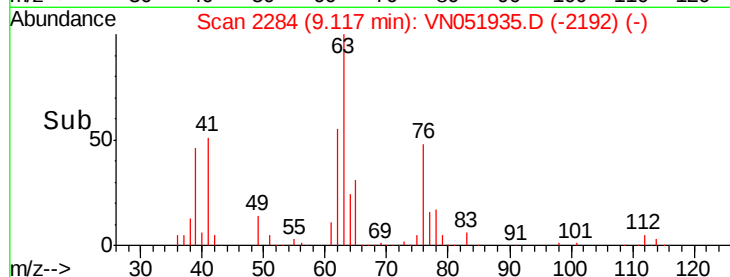
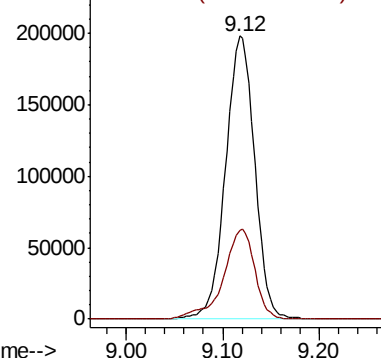
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.630 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

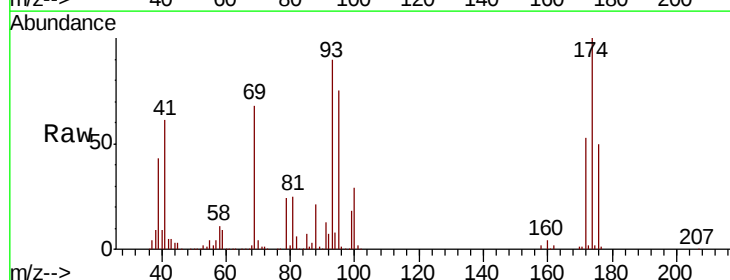
Tgt Ion: 93 Resp: 313735

Ion Ratio Lower Upper

93 100

95 83.9 67.8 101.6

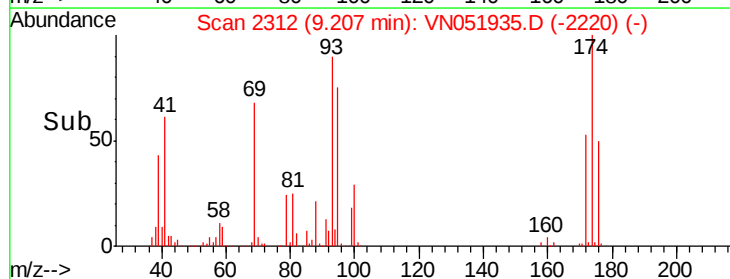
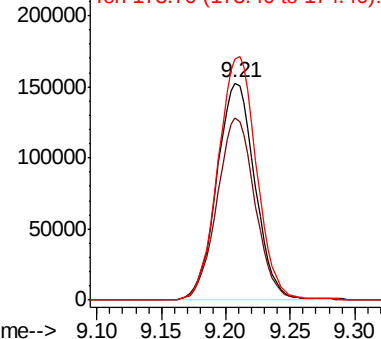
174 114.2 91.9 137.9

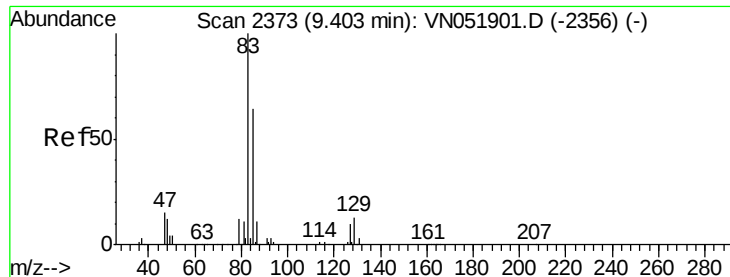


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.162 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

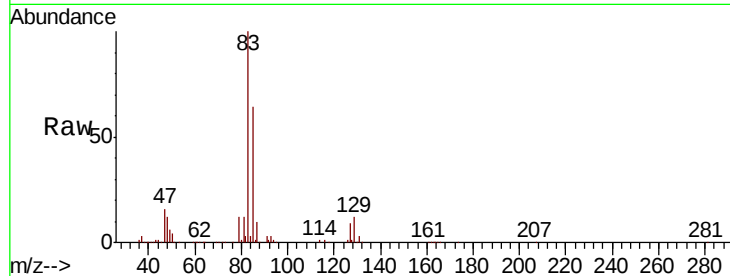
ClientSampleId :

VSTDCCC050

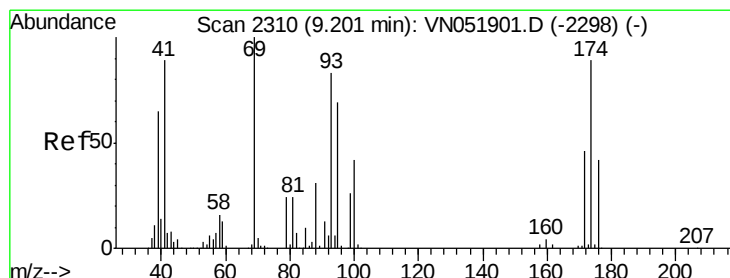
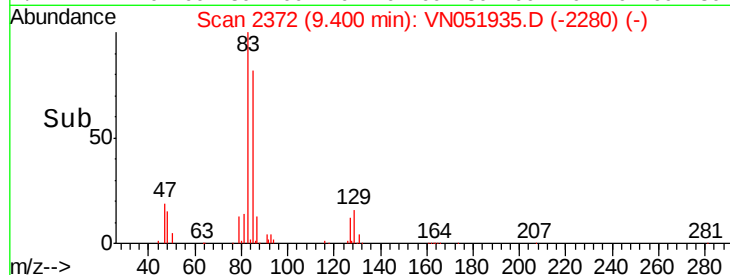
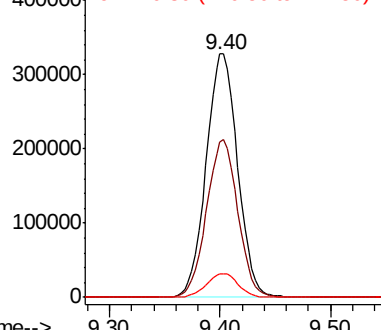
Tot Ion:	83	Resp:	647838
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.4	77.2
127	9.5	7.9	11.9

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Abundance Ion 82.90 (82.60 to 83.60): VN051935.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.223 ug/l

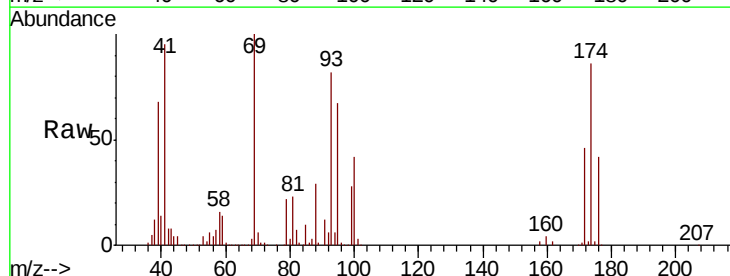
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

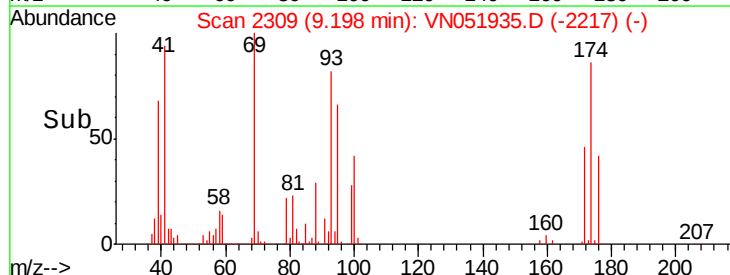
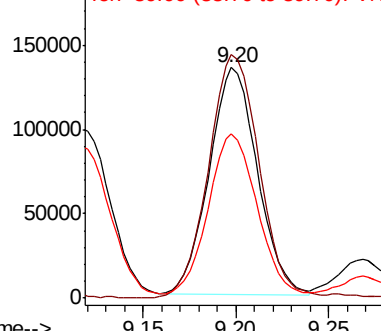
Lab File: VN051935.D

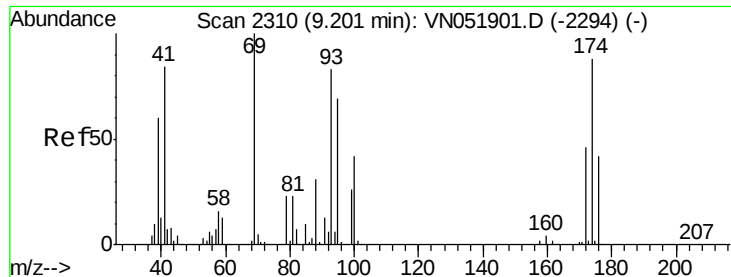
Acq: 19 Oct 2018 8:07

Tgt Ion:	41	Resp:	243993
Ion Ratio	Lower	Upper	
41	100		
69	112.2	90.2	135.2
39	74.5	59.7	89.5



Abundance Ion 41.00 (40.70 to 41.70): VN051935.D (-2217) (-)





#49

1,4-Dioxane

Concen: 950.843 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 87739

Ion Ratio Lower Upper

88 100

43 24.8 19.7 29.5

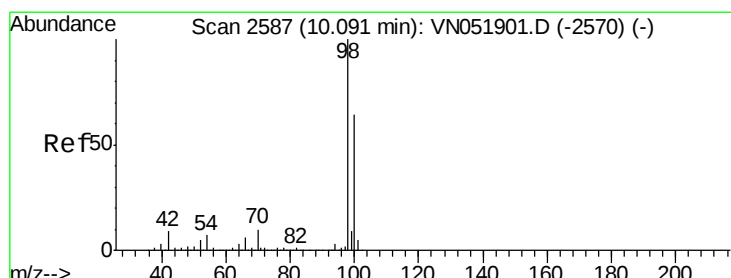
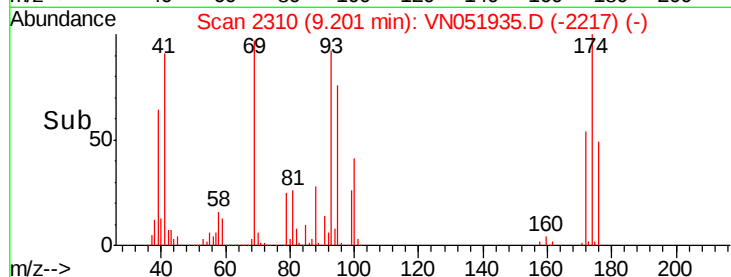
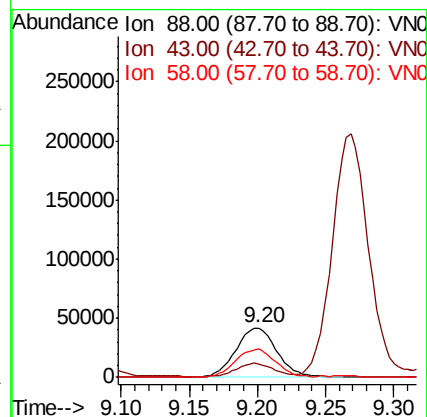
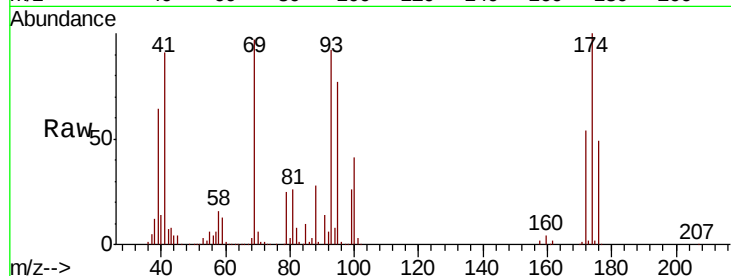
58 56.0 42.6 64.0

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#50

Toluene-d8

Concen: 950.843 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051935.D

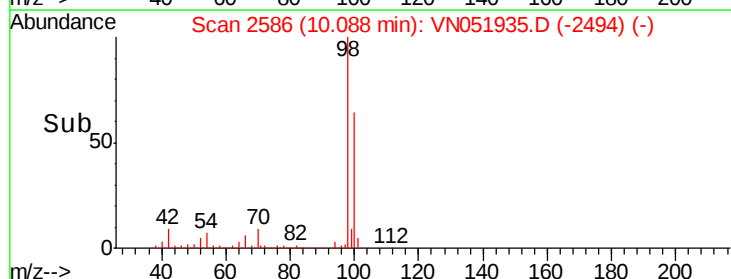
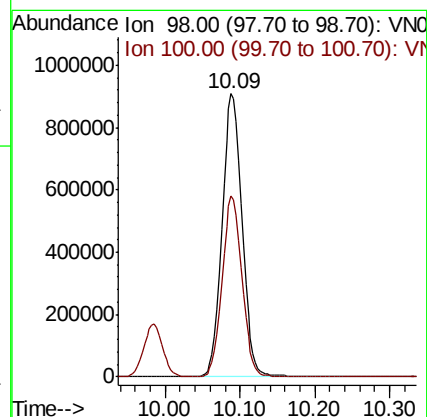
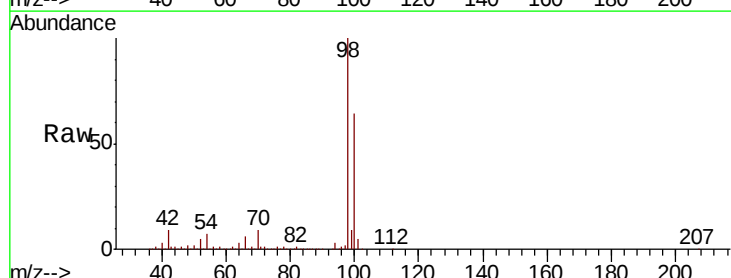
Acq: 19 Oct 2018 8:07

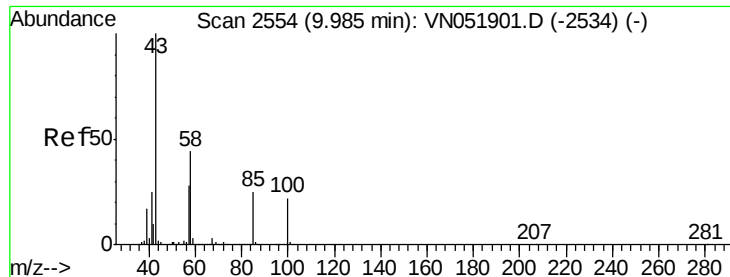
Tgt Ion: 98 Resp: 1681700

Ion Ratio Lower Upper

98 100

100 63.0 51.0 76.4





#51

4-Methyl-2-Pentanone

Concen: 252.875 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1416694

Ion Ratio Lower Upper

43 100

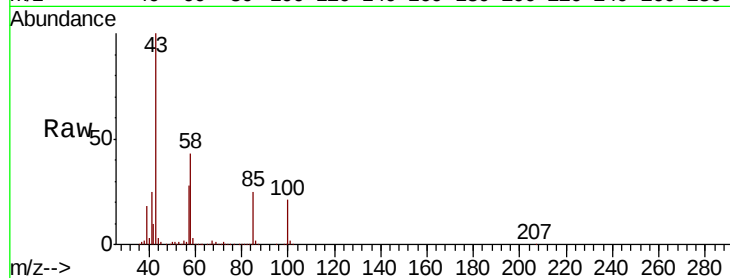
58 43.2 34.6 52.0

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Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN051901.D (-2534) (-)

800000

600000

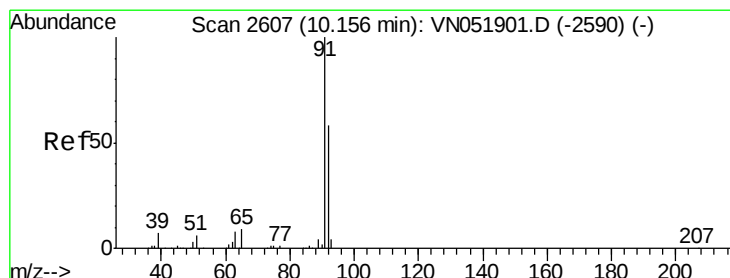
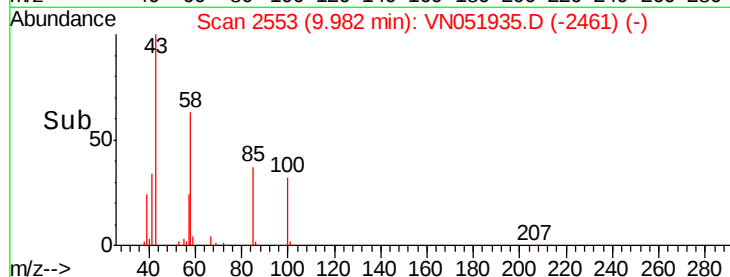
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 51.494 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051935.D

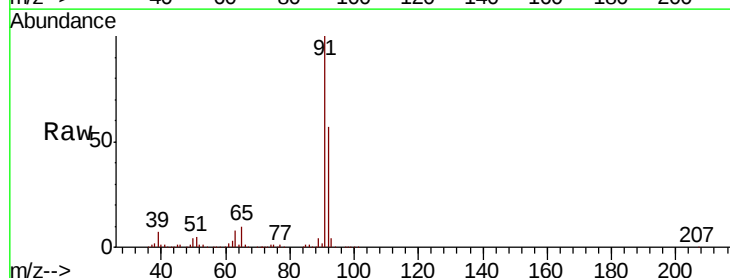
Acq: 19 Oct 2018 8:07

Tgt Ion: 92 Resp: 1211049

Ion Ratio Lower Upper

92 100

91 176.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051901.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051901.D (-2590) (-)

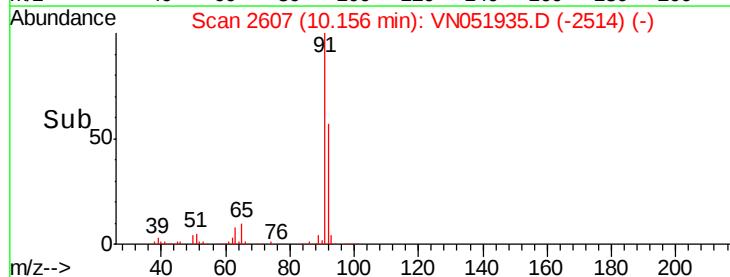
1000000

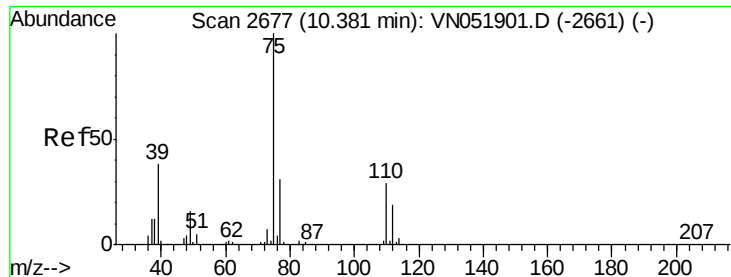
500000

0

10.10 10.20

Time-->





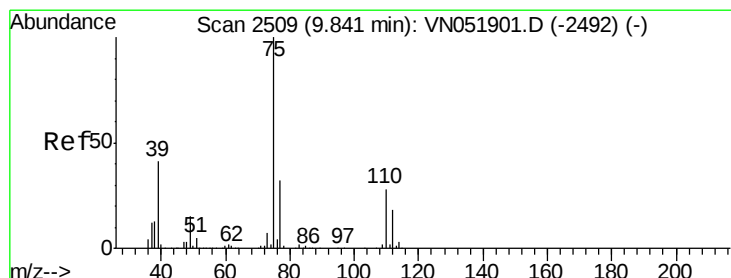
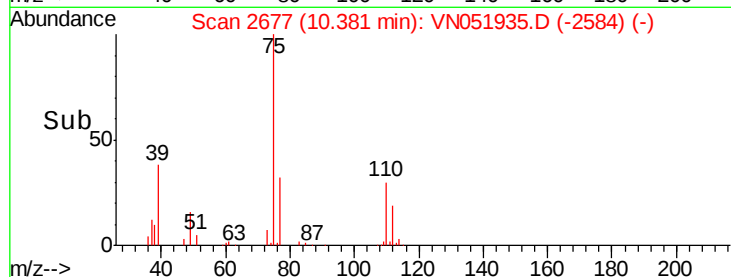
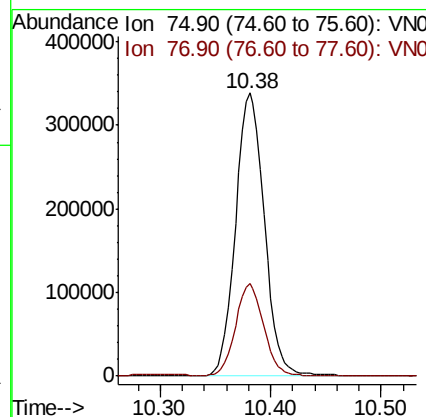
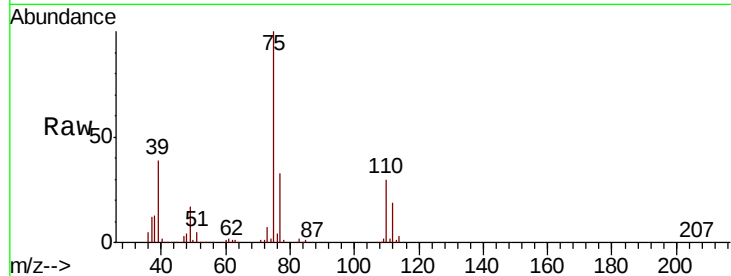
#53
t-1,3-Dichloropropene
Concen: 52.142 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

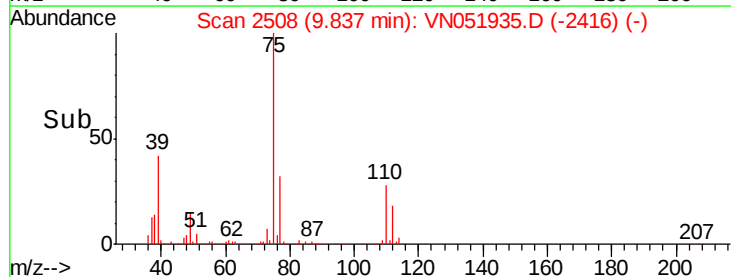
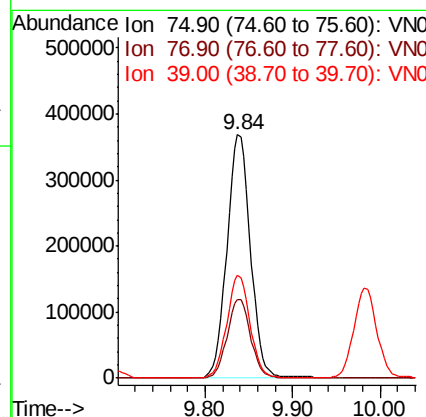
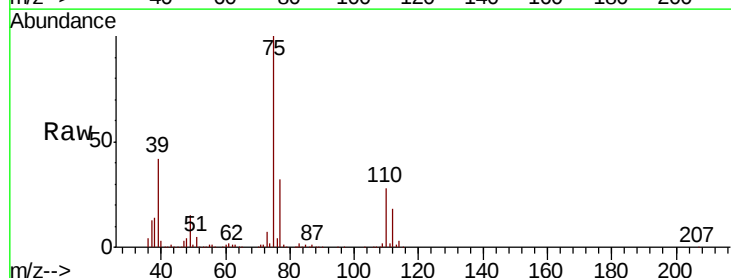
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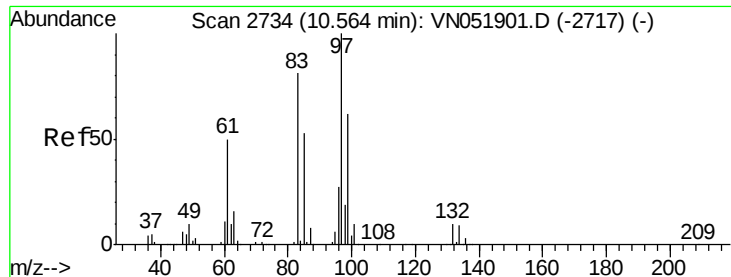
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#54
cis-1,3-Dichloropropene
Concen: 52.396 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9
39	42.0	32.8	49.2





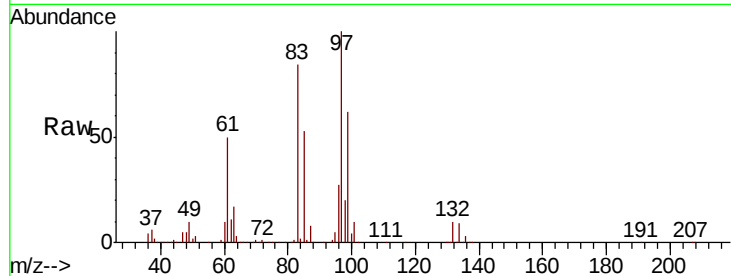
#55
 1,1,2-Trichloroethane
 Concen: 51.589 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	444559
Ion	Ratio	Lower	Upper
97	100		
83	83.7	64.6	96.8
85	53.0	42.3	63.5
99	61.6	49.7	74.5

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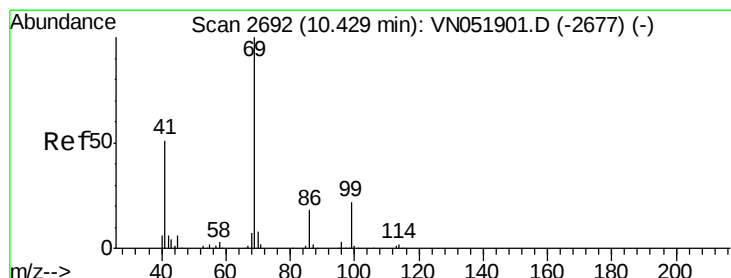
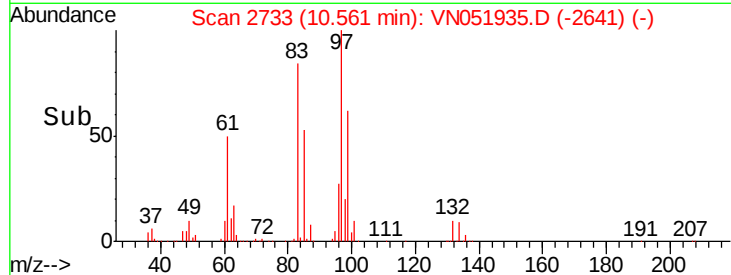
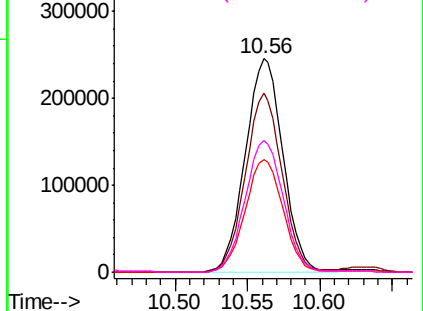
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

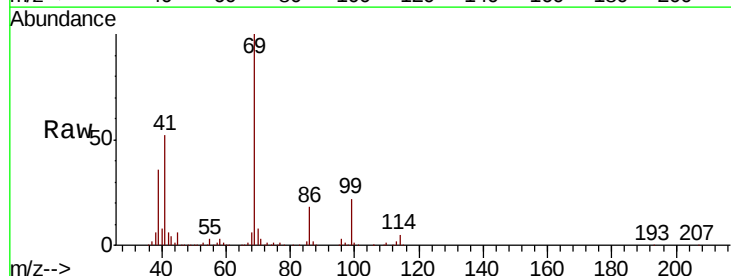
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 51.239 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion:	69	Resp:	493640
Ion	Ratio	Lower	Upper
69	100		
41	50.7	40.6	61.0
39	35.9	29.4	44.0

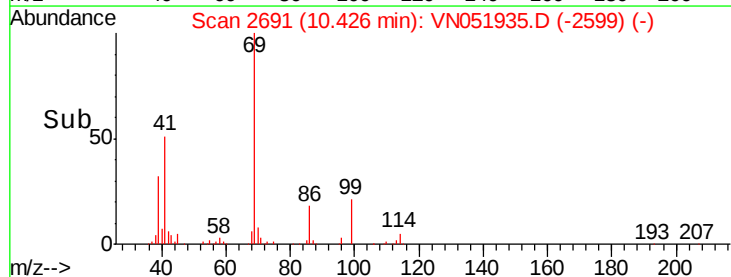
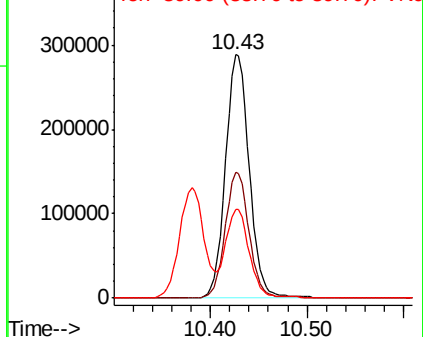


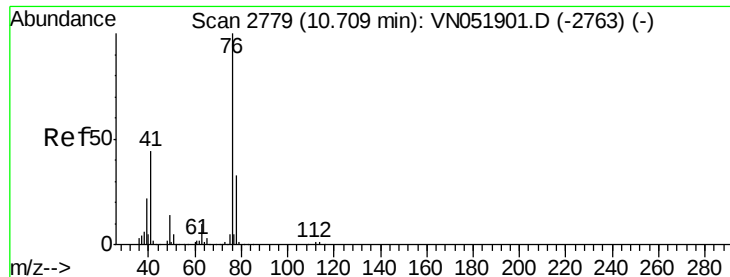
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.168 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 671355

Ion Ratio Lower Upper

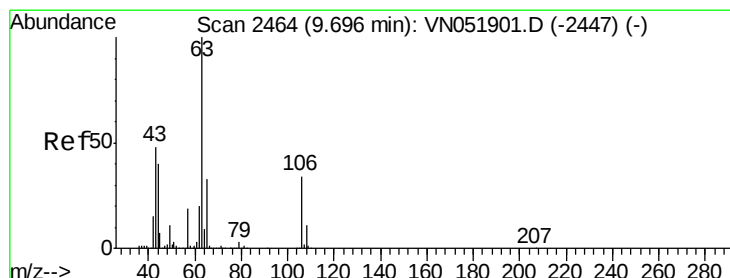
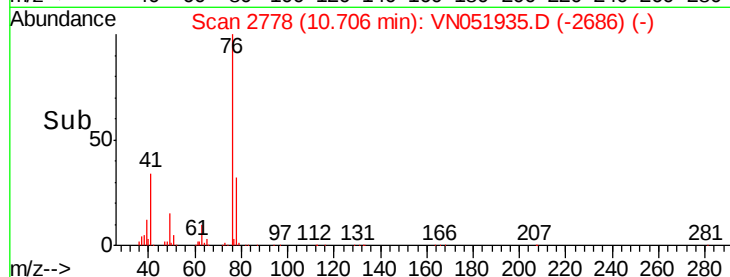
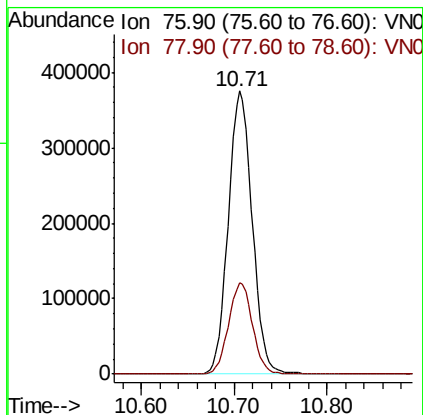
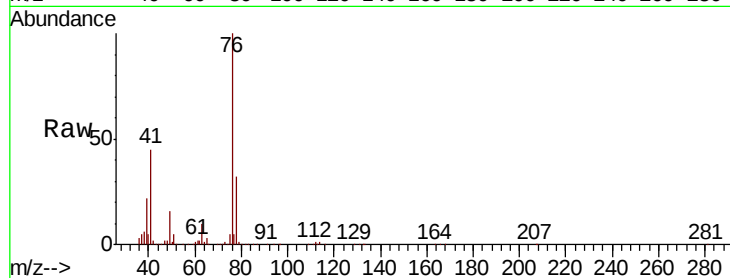
76 100

78 32.4 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 240.904 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051935.D

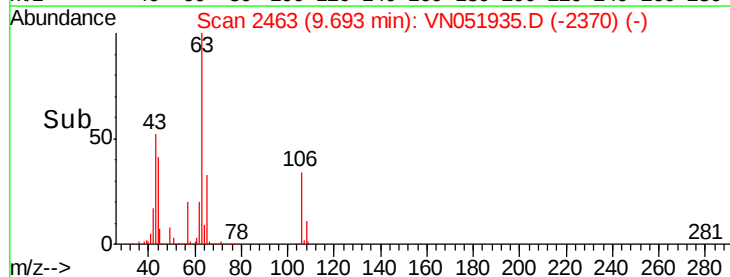
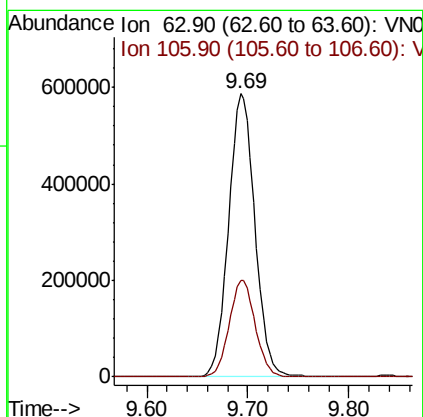
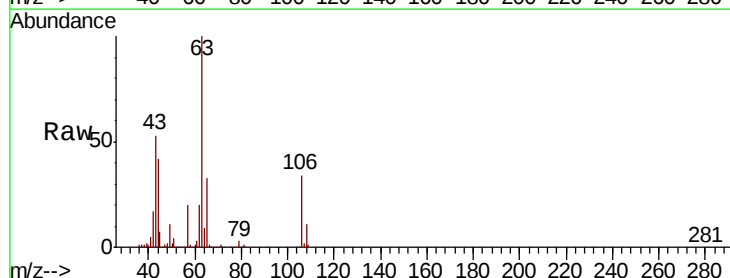
Acq: 19 Oct 2018 8:07

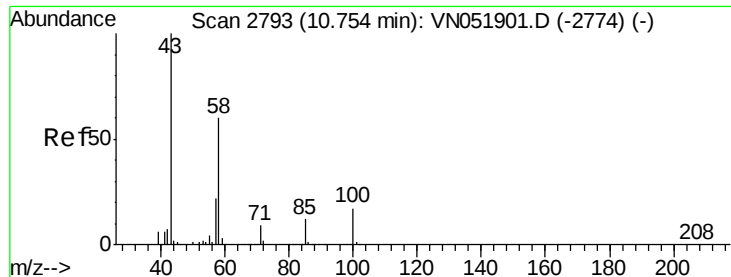
Tgt Ion: 63 Resp: 1067929

Ion Ratio Lower Upper

63 100

106 33.8 27.5 41.3





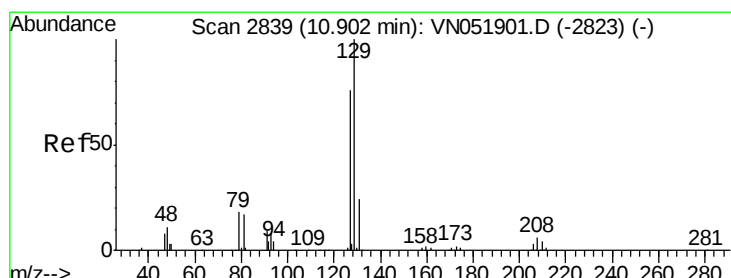
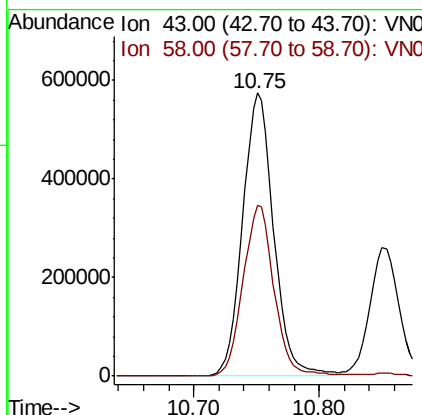
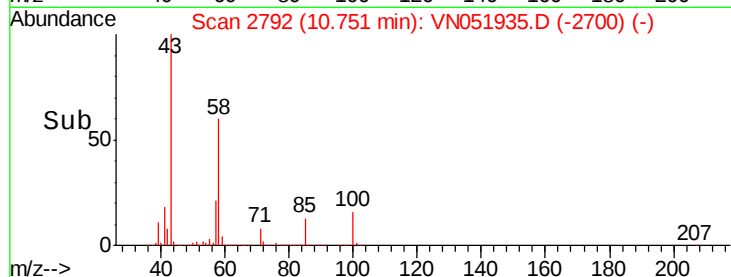
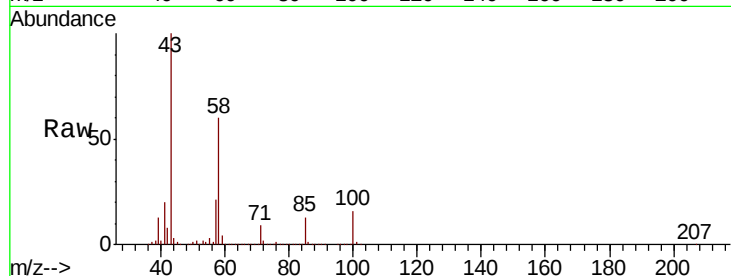
#59
2-Hexanone
Concen: 263.086 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 988293
Ion Ratio Lower Upper
43 100
58 60.6 29.8 89.5

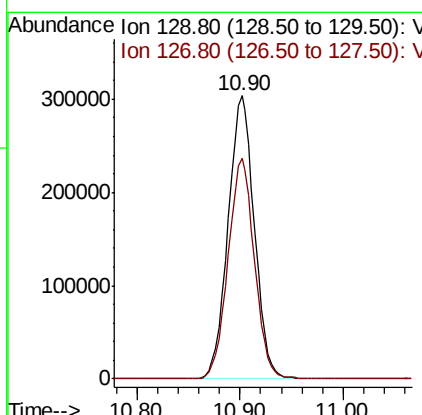
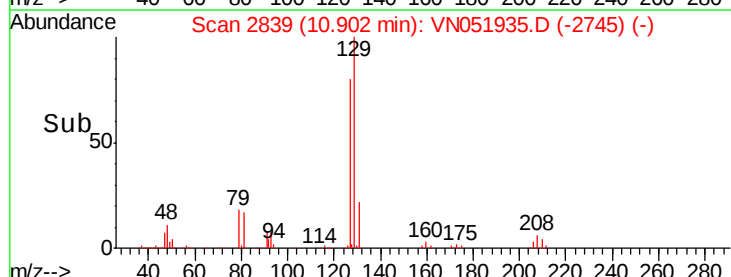
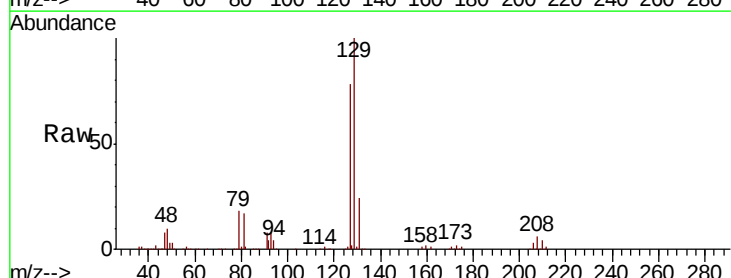
Manual Integrations
APPROVED

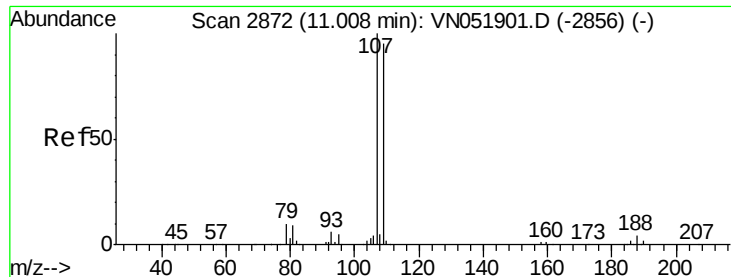
MMDadoda
10/22/2018 11:35:15 AM



#60
Dibromochloromethane
Concen: 46.782 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion: 129 Resp: 538764
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.728 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 458515

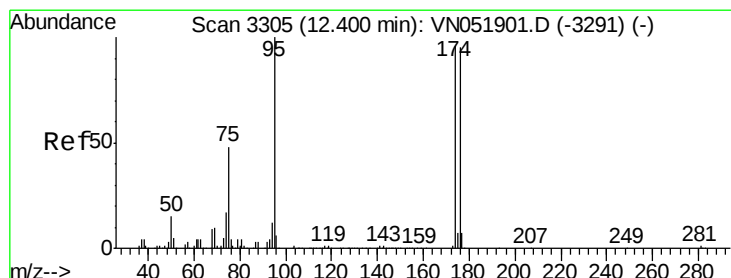
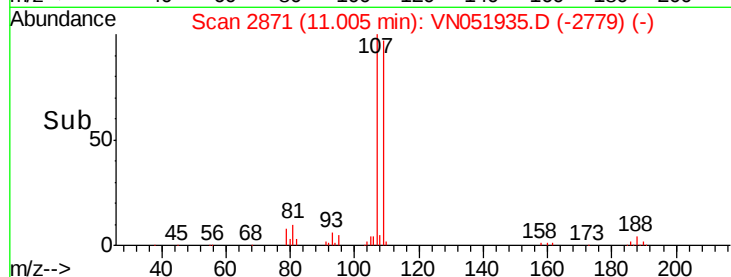
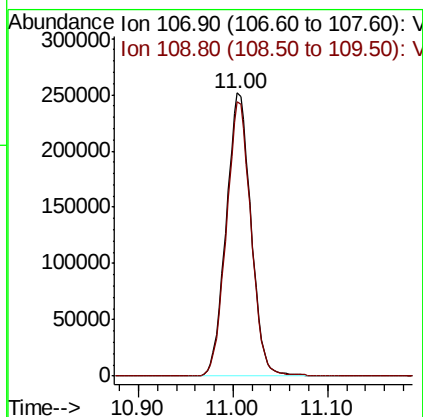
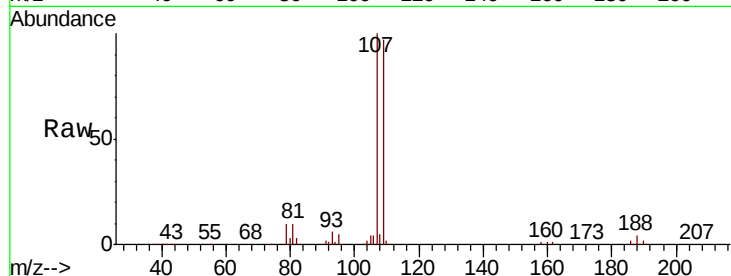
Ion Ratio Lower Upper

107 100

109 96.1 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
10/22/2018 11:35:15 AM



#62

4-Bromofluorobenzene

Concen: 50.728 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

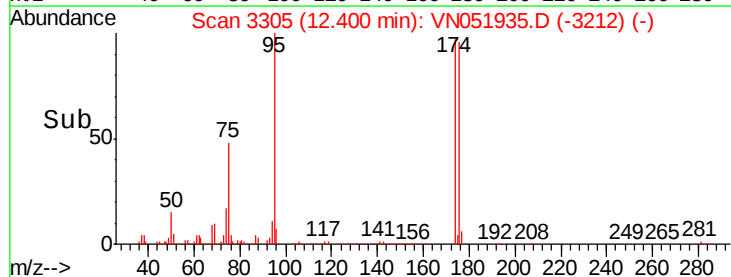
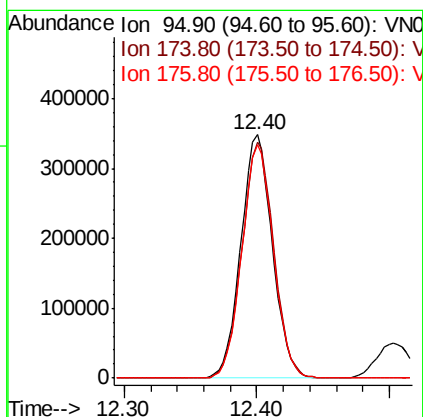
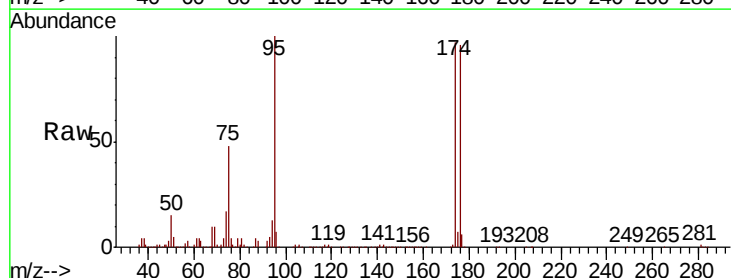
Tgt Ion: 95 Resp: 573012

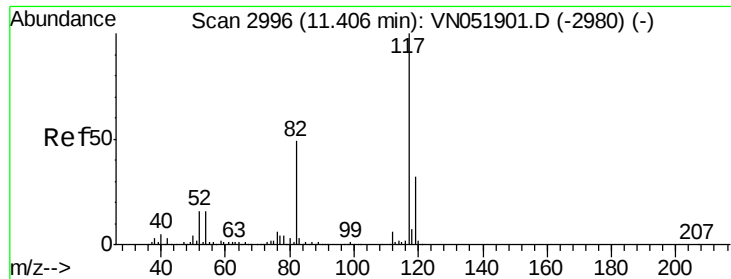
Ion Ratio Lower Upper

95 100

174 97.8 0.0 195.0

176 96.0 0.0 191.4





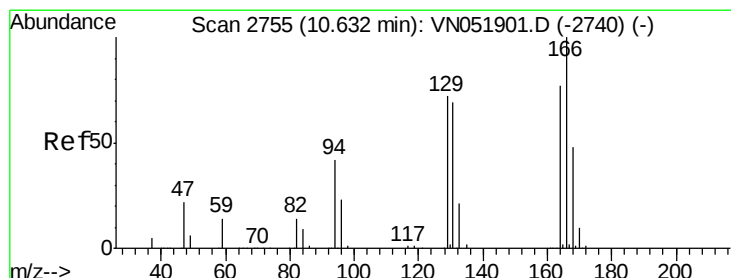
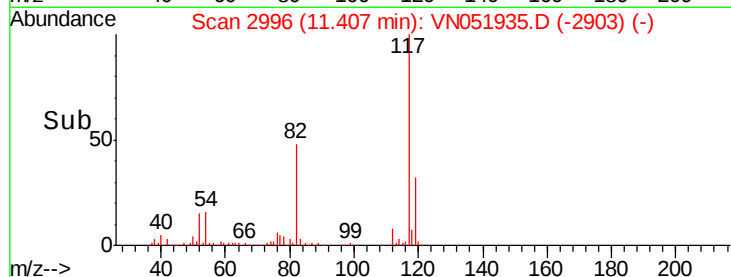
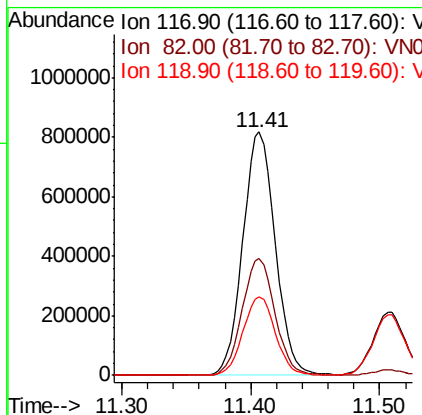
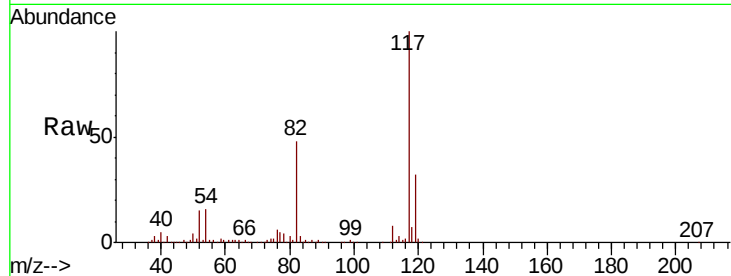
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.1	38.9	58.3
119	32.4	25.9	38.9

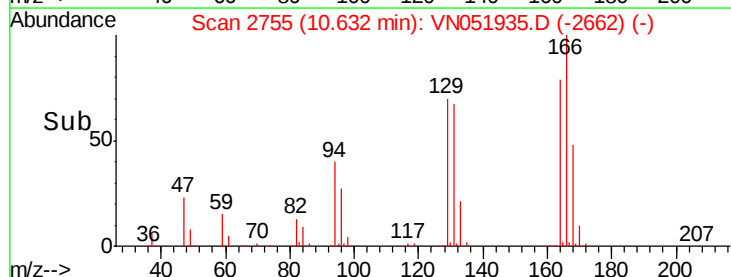
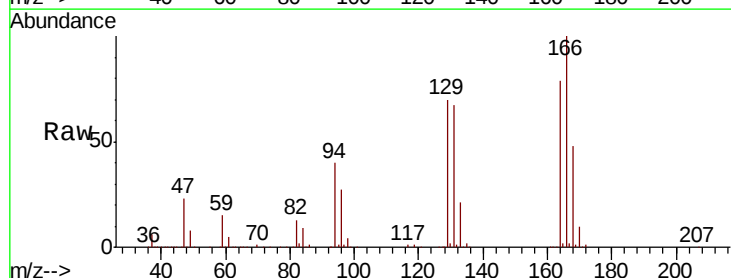
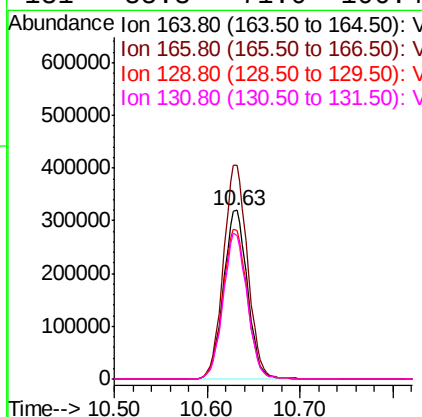
Manual Integrations
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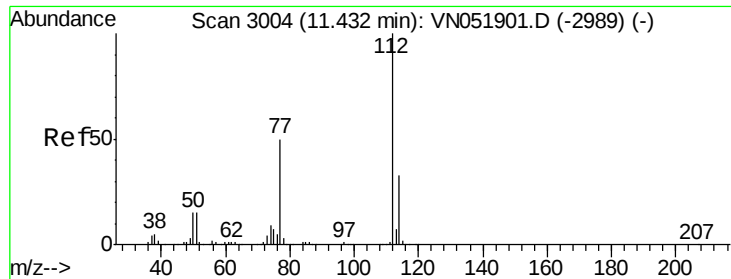
MMDadoda
10/22/2018 11:35:15 AM



#64
Tetrachloroethene
Concen: 49.814 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.4	155.0
129	88.0	73.9	110.9
131	85.3	71.0	106.4





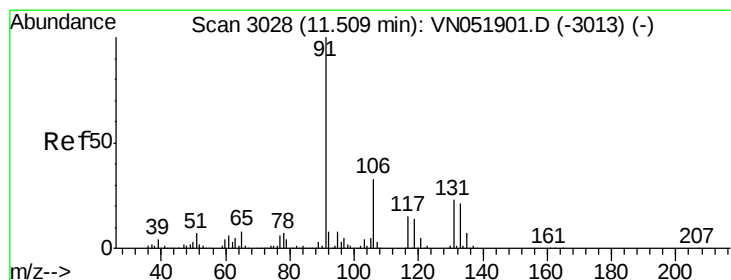
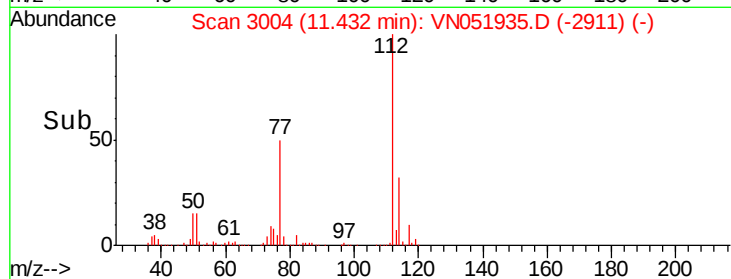
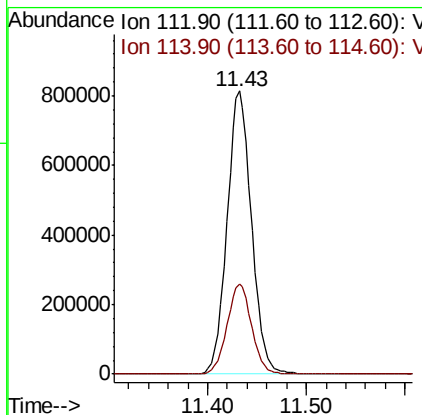
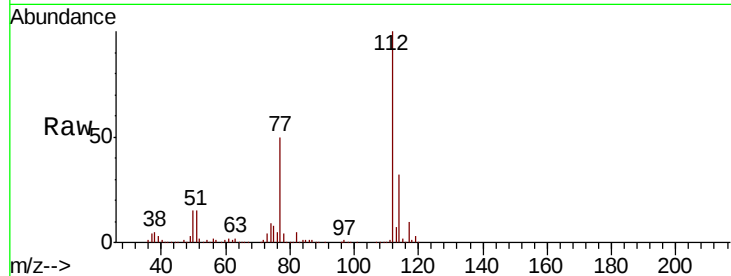
#65
Chlorobenzene
Concen: 49.132 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1407761
Ion Ratio Lower Upper
112 100
114 31.8 26.4 39.6

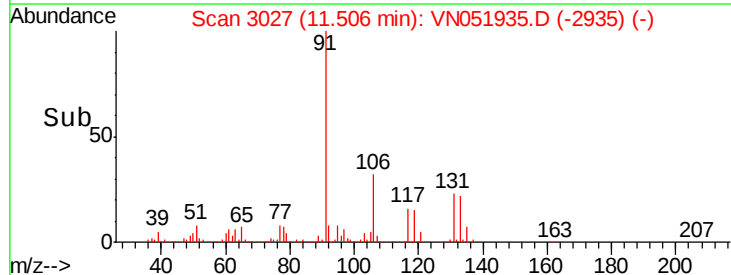
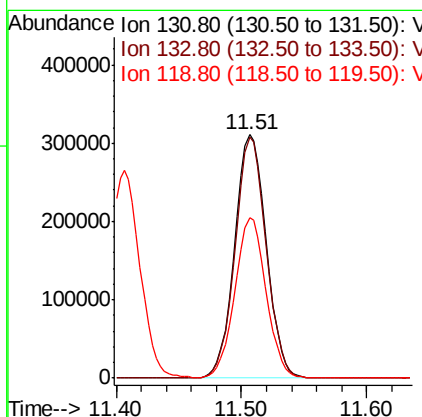
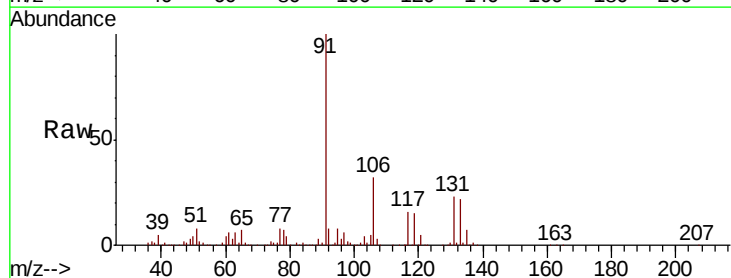
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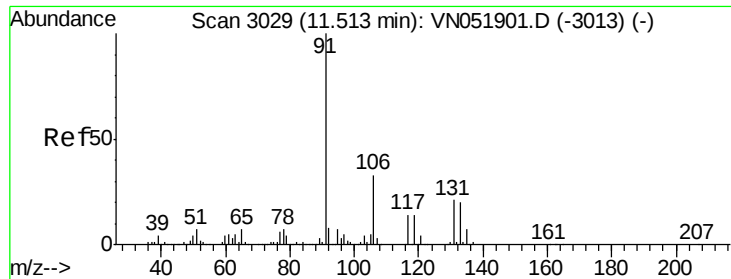
MMDadoda
10/22/2018 11:35:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.935 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion:131 Resp: 543236
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 65.3 32.1 96.5





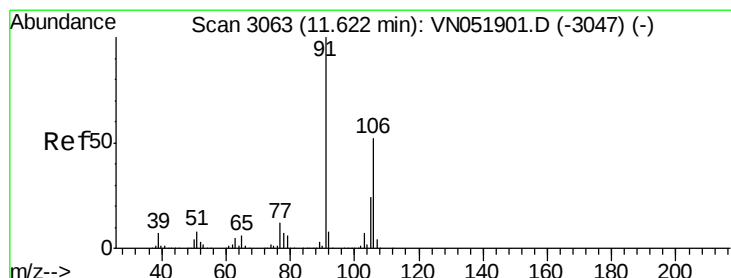
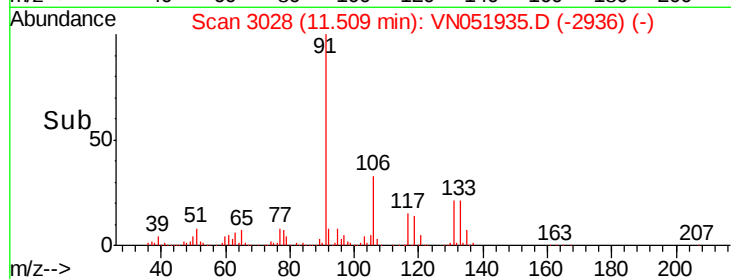
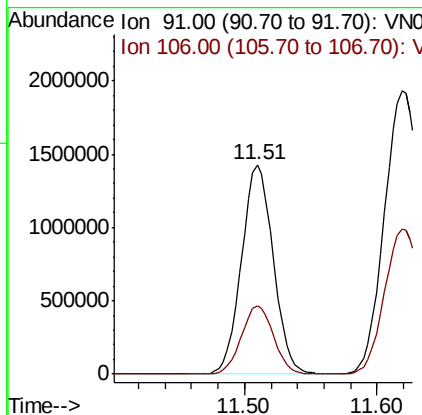
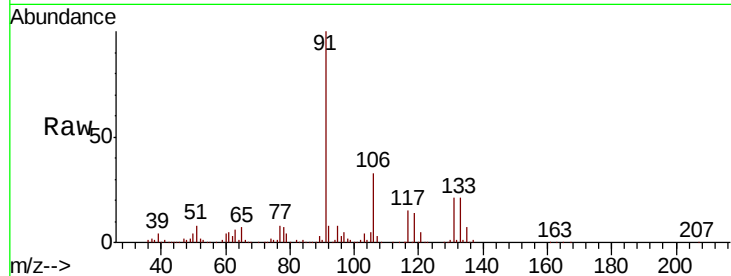
#67
Ethyl Benzene
Concen: 50.739 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2381679
Ion Ratio Lower Upper
91 100
106 32.7 26.6 39.8

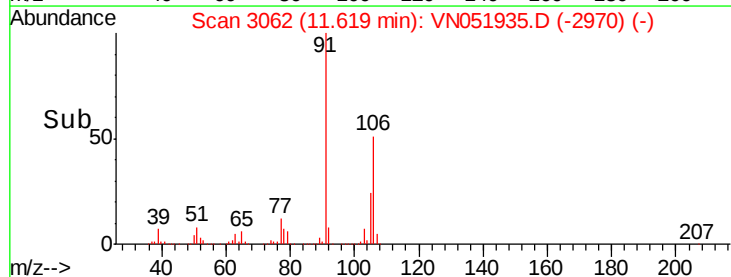
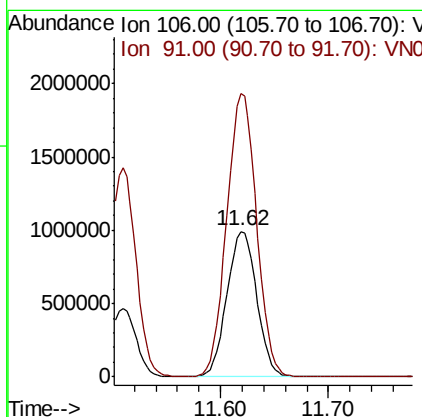
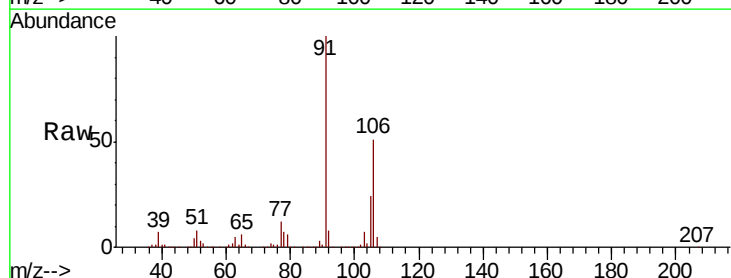
Manual Integrations
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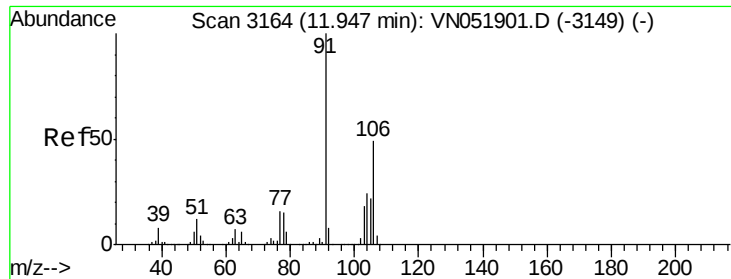
MMDadoda
10/22/2018 11:35:15 AM



#68
m/p-Xylenes
Concen: 101.696 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion: 106 Resp: 1916696
Ion Ratio Lower Upper
106 100
91 194.0 153.6 230.4





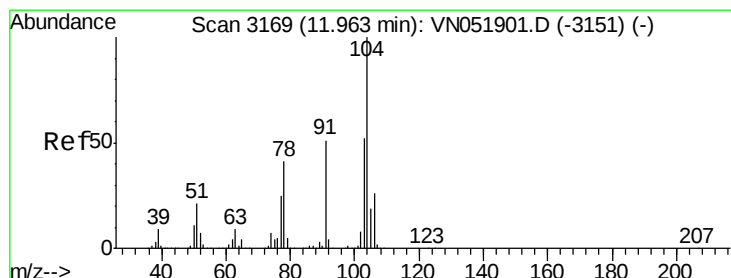
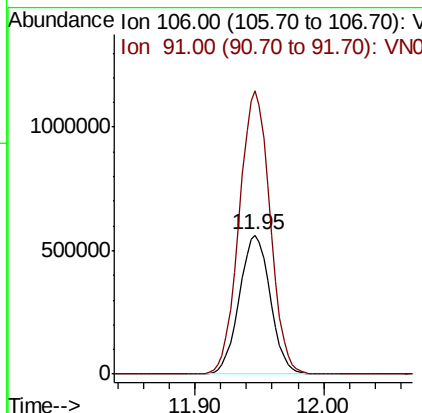
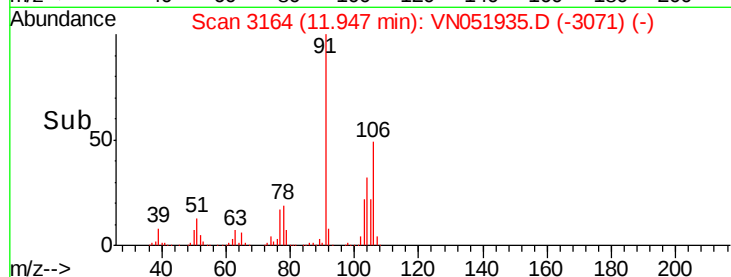
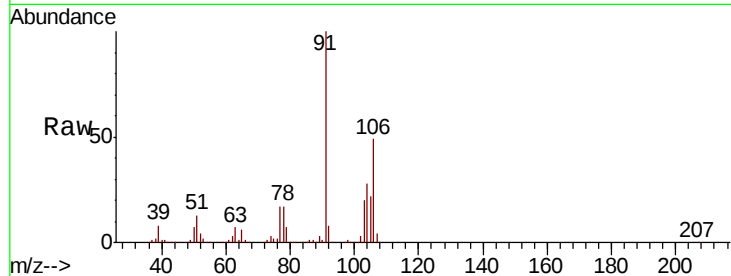
#69
o-Xylene
Concen: 51.110 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		938751		
91	203.2	100.7	302.1		

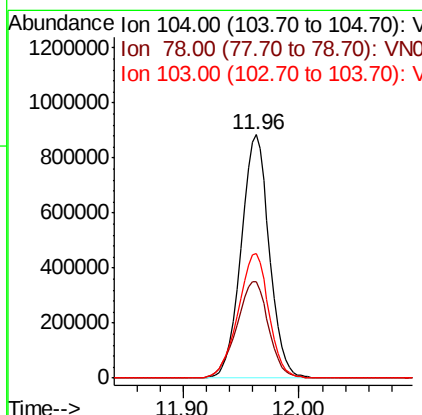
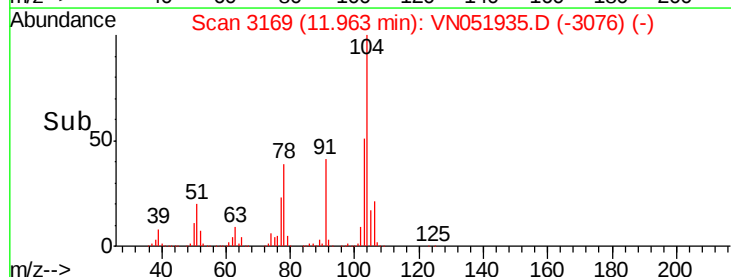
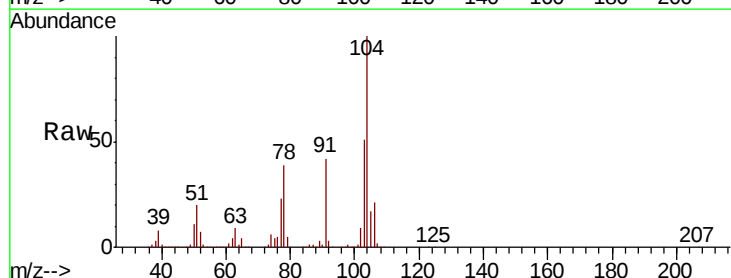
Manual Integrations
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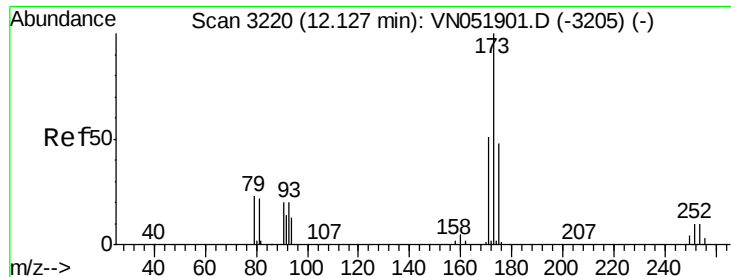
MMDadoda
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#70
Styrene
Concen: 52.708 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1489187		
78	44.9	36.6	55.0		
103	55.9	44.6	67.0		





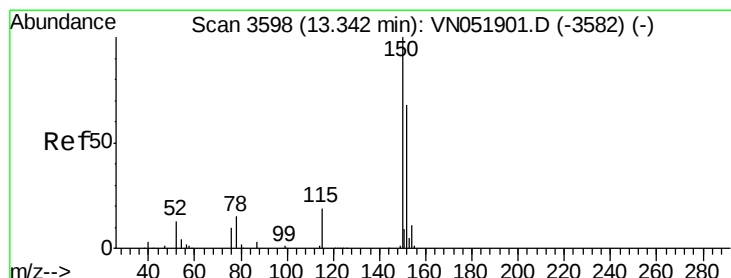
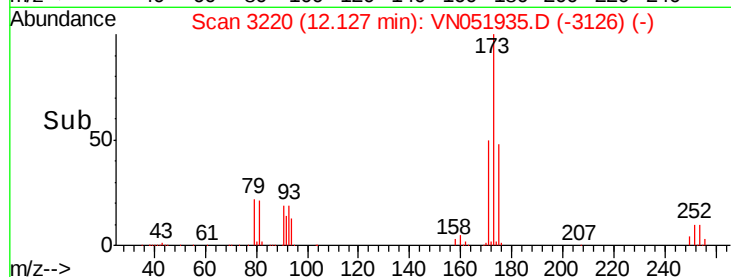
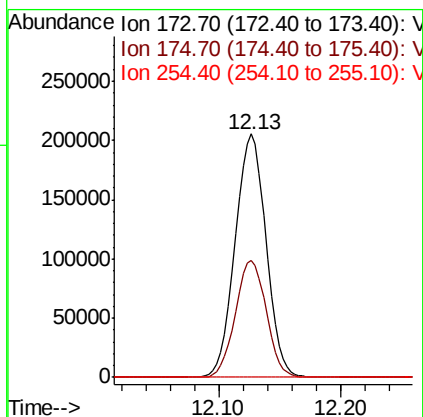
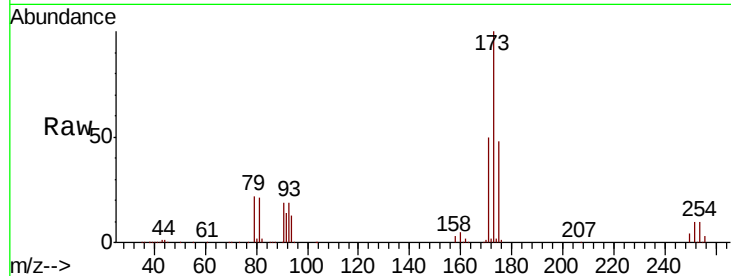
#71
Bromoform
Concen: 45.190 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.1	0.2	0.2

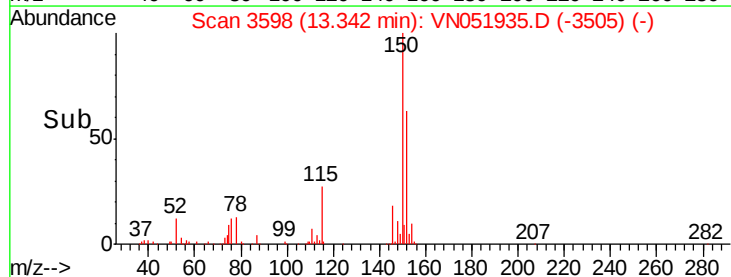
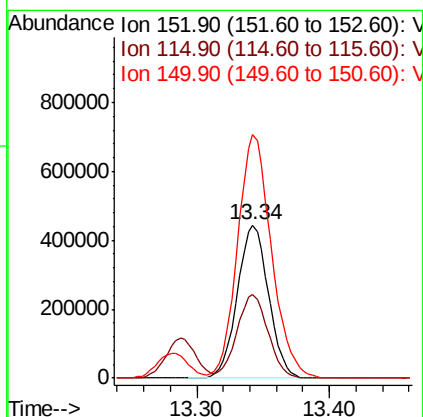
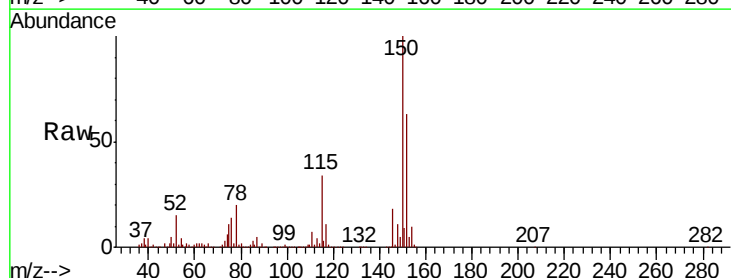
Manual Integrations
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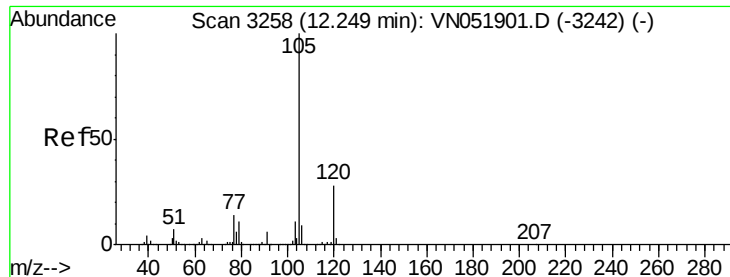
MMDadoda
10/22/2018 11:35:15 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	172.9	0.0	346.4





#73

Isopropylbenzene

Concen: 45.692 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 2556339

Ion Ratio Lower Upper

105 100

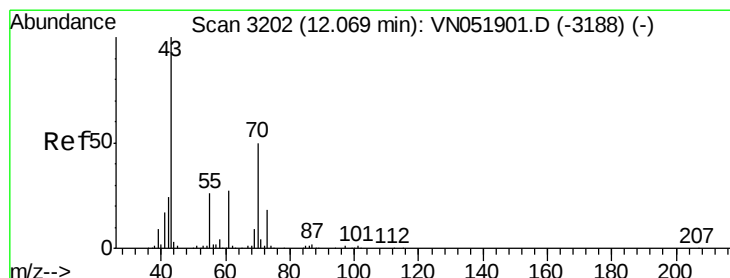
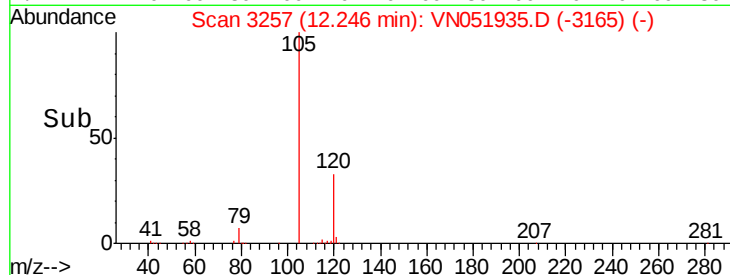
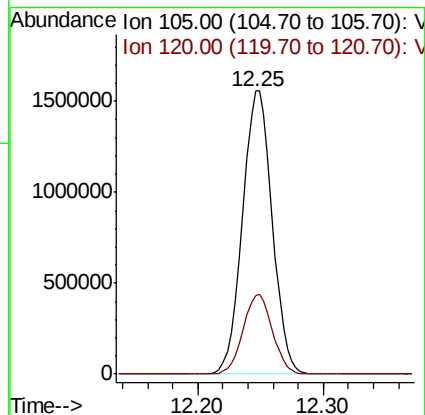
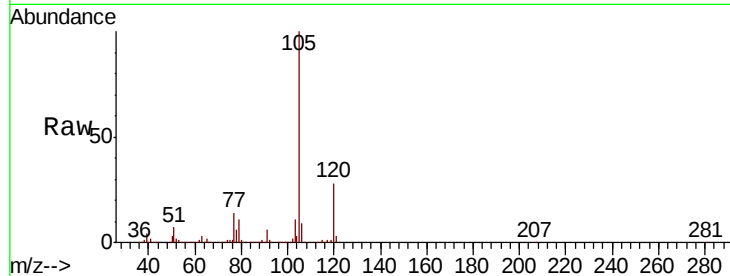
120 27.7 14.0 41.9

Manual Integrations

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MMDadoda

10/22/2018 11:35:15 AM



#74

N-ethyl acetate

Concen: 46.647 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion: 43 Resp: 448718

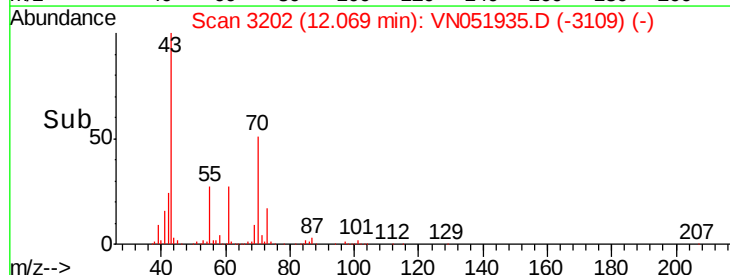
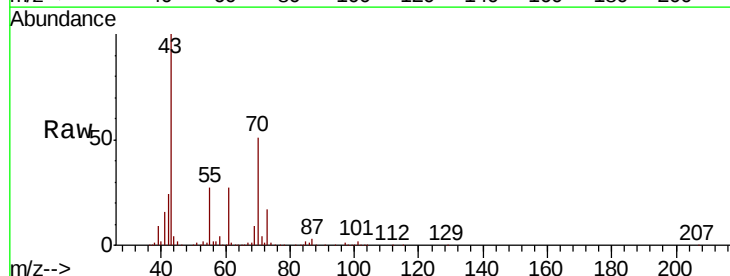
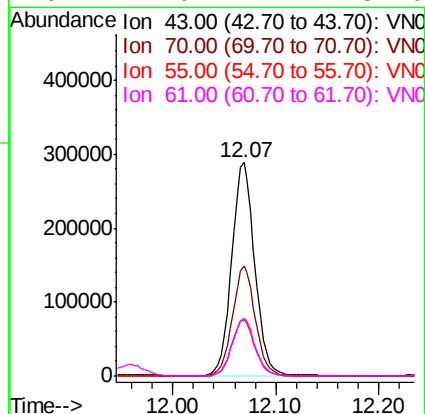
Ion Ratio Lower Upper

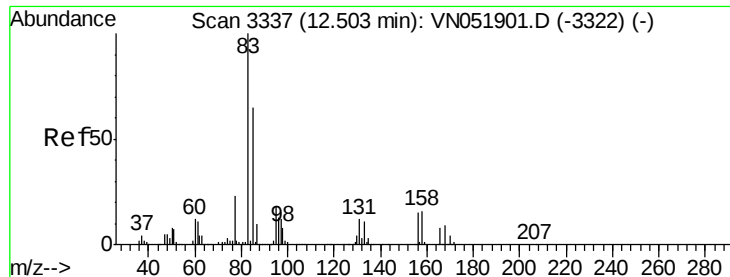
43 100

70 51.1 40.1 60.1

55 26.4 21.0 31.4

61 27.0 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.793 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

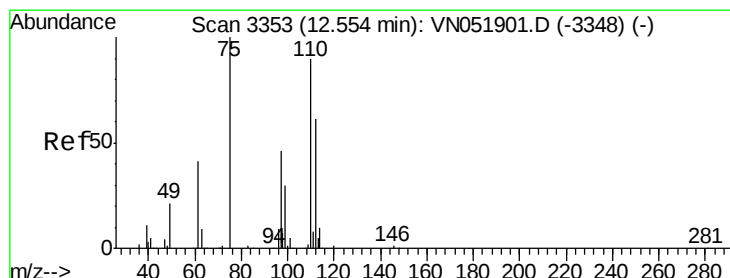
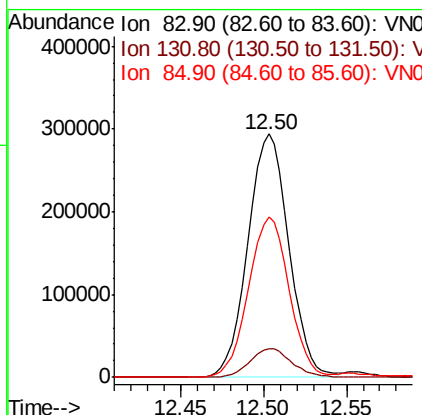
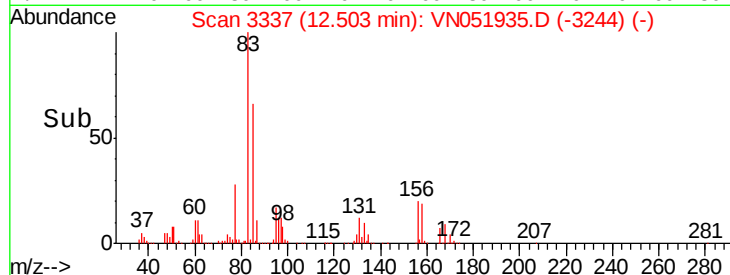
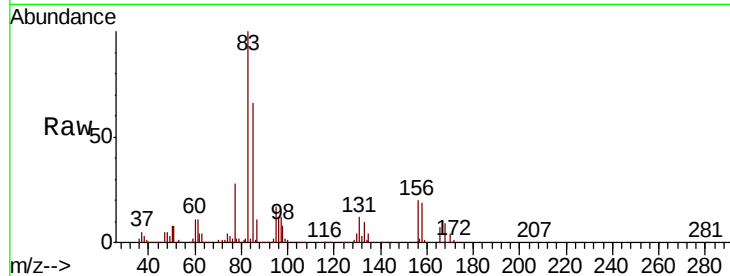
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	506465
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	65.5	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 47.829 ug/l m

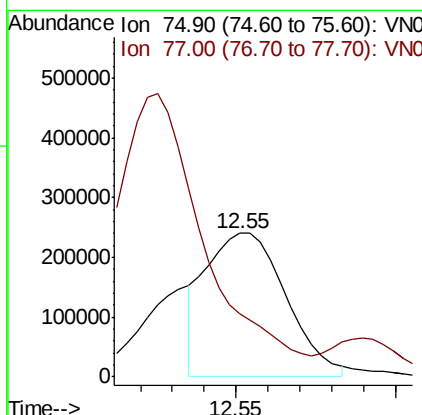
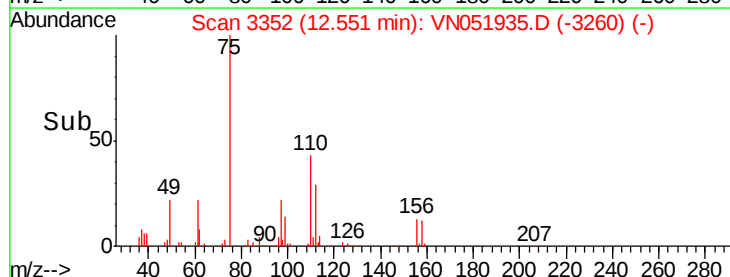
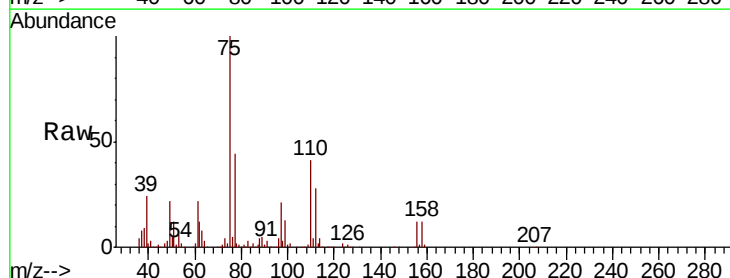
RT: 12.55 min Scan# 3352

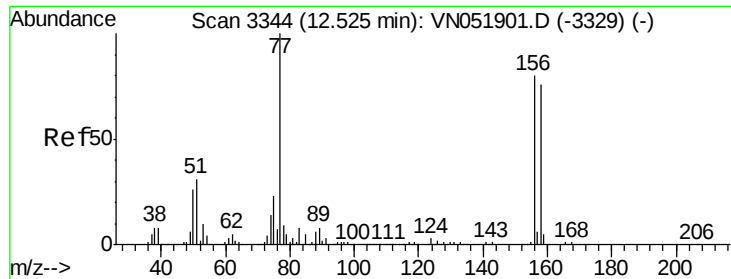
Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Tgt Ion:	75	Resp:	420136
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





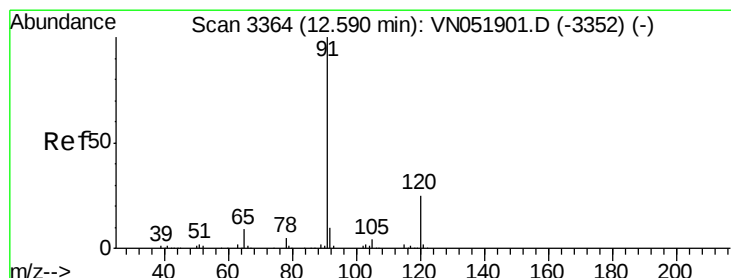
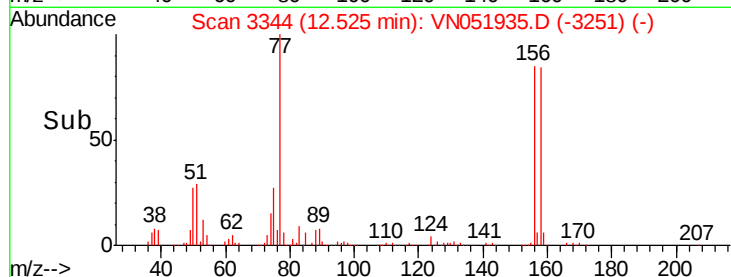
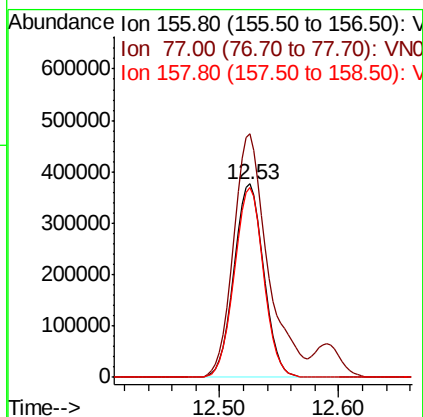
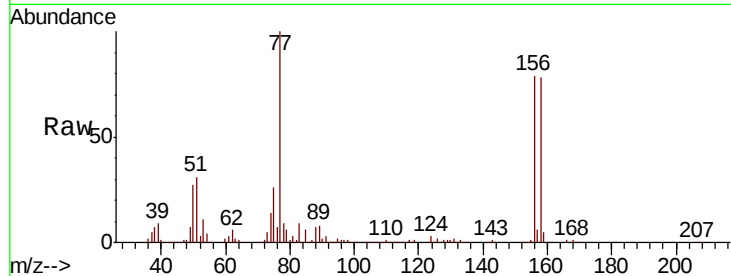
#77
Bromobenzene
Concen: 45.670 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.8	73.0	219.0
158	96.9	48.4	145.0

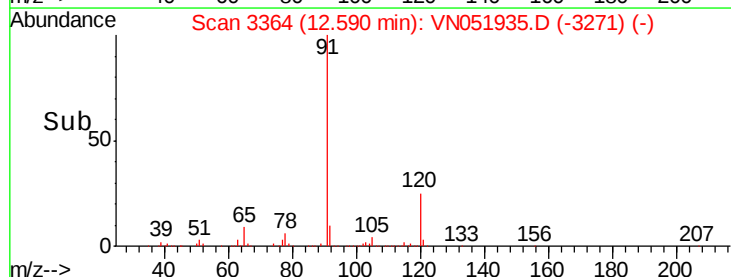
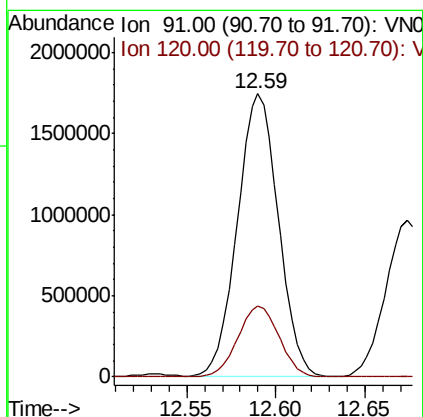
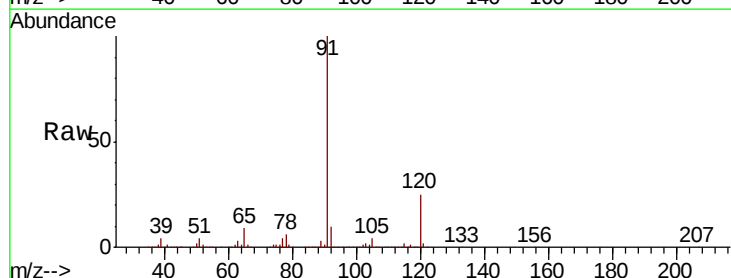
Manual Integrations
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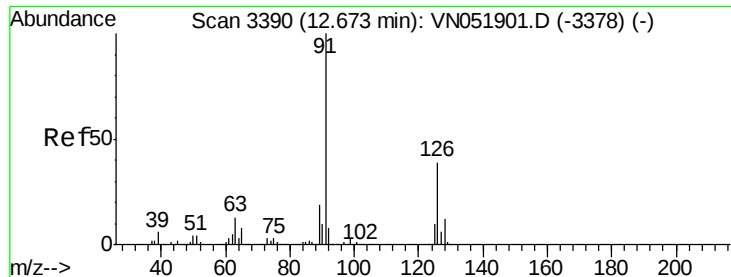
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#78
n-propylbenzene
Concen: 47.928 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	12.9	38.7





#79

2-Chlorotoluene

Concen: 52.232 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1603142

Ion Ratio Lower Upper

91 100

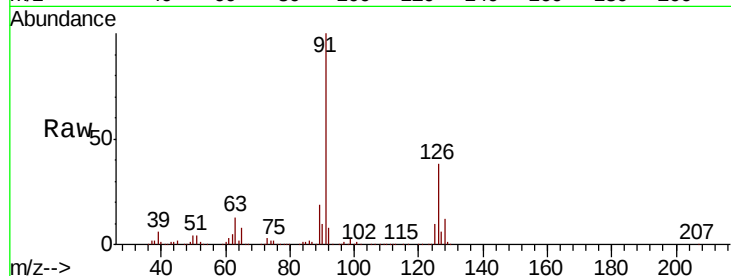
126 38.9 19.6 58.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051901.D (-3378) (-)

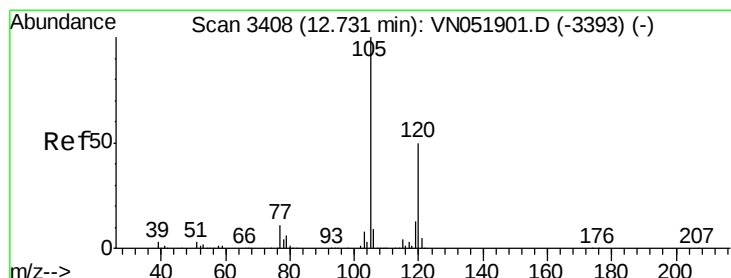
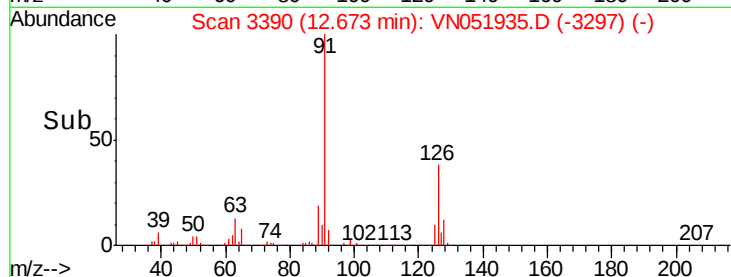
Ion 125.90 (125.60 to 126.60): VN051901.D (-3378) (-)

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 47.206 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051935.D

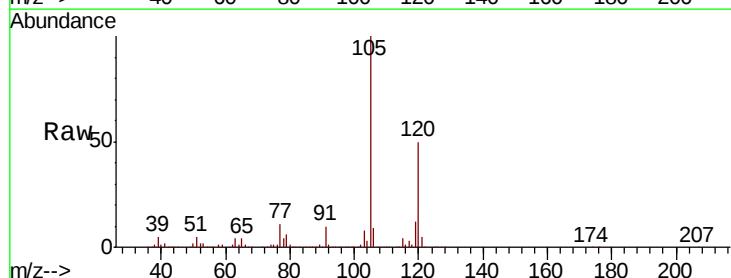
Acq: 19 Oct 2018 8:07

Tgt Ion: 105 Resp: 2134739

Ion Ratio Lower Upper

105 100

120 50.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VN051901.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051901.D (-3393) (-)

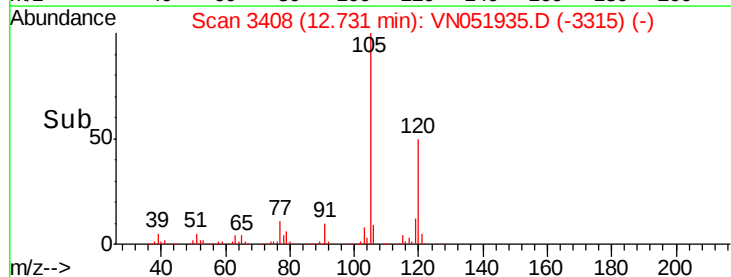
1500000

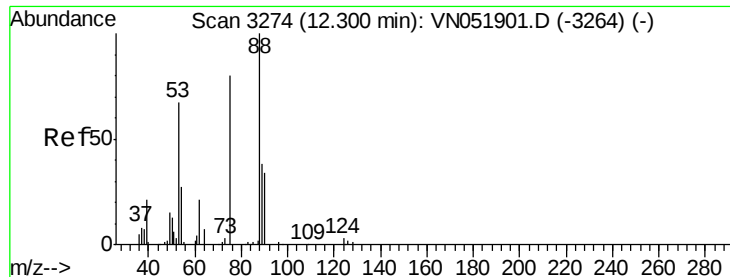
1000000

500000

0

Time--> 12.60 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 45.701 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 121821
Ion Ratio Lower Upper

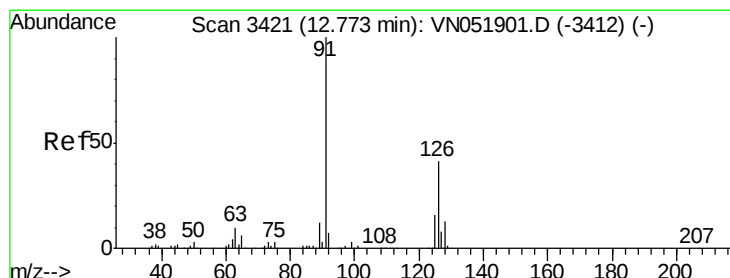
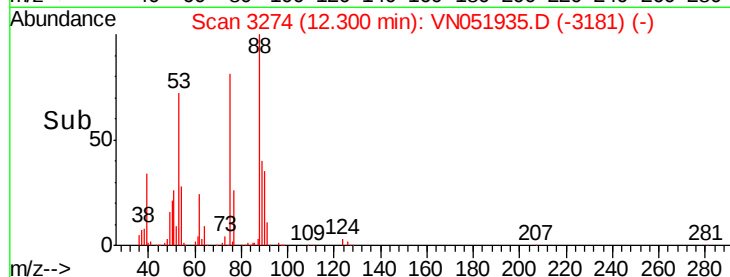
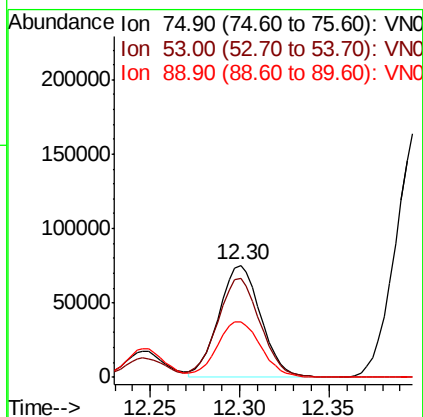
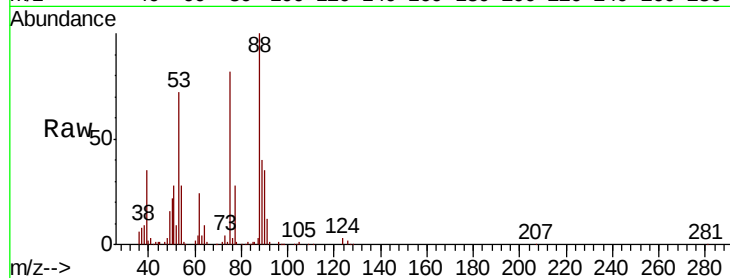
75 100

53 91.8 68.5 102.7

89 52.2 39.0 58.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.233 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

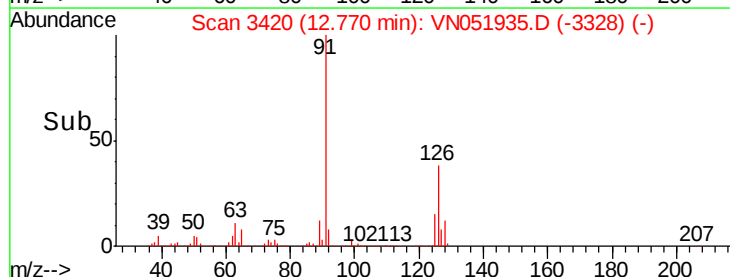
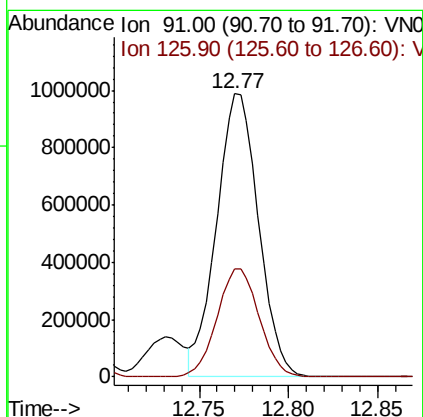
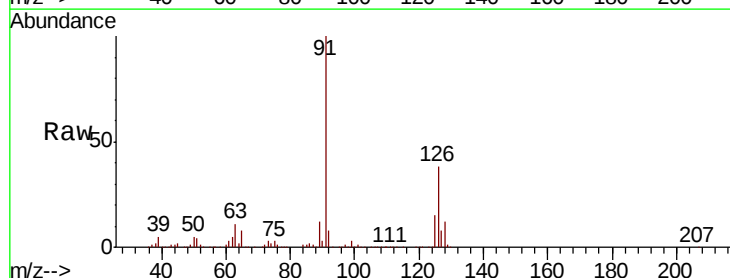
Lab File: VN051935.D

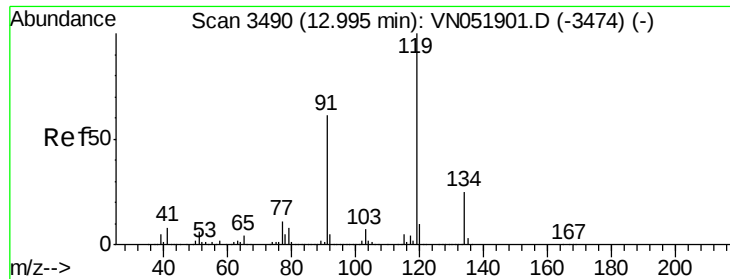
Acq: 19 Oct 2018 8:07

Tgt Ion: 91 Resp: 1607515
Ion Ratio Lower Upper

91 100

126 38.5 18.9 56.7





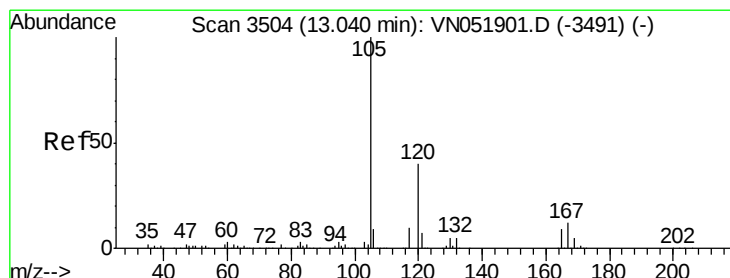
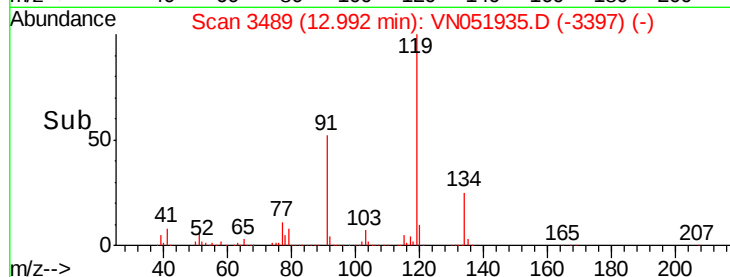
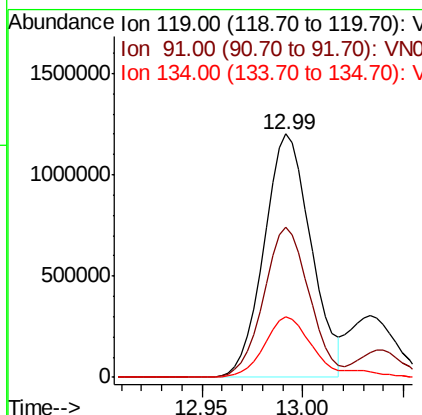
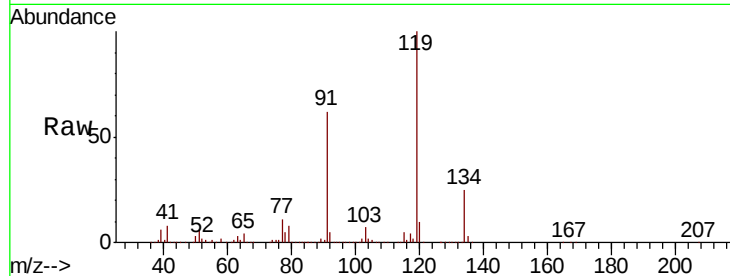
#83
tert-Butylbenzene
Concen: 45.774 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1945245
Ion Ratio Lower Upper
119 100
91 60.1 30.3 90.9
134 26.6 13.4 40.1

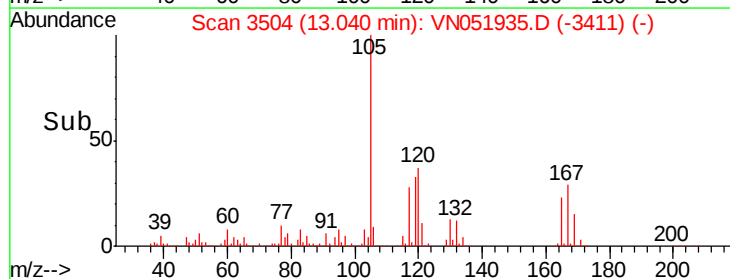
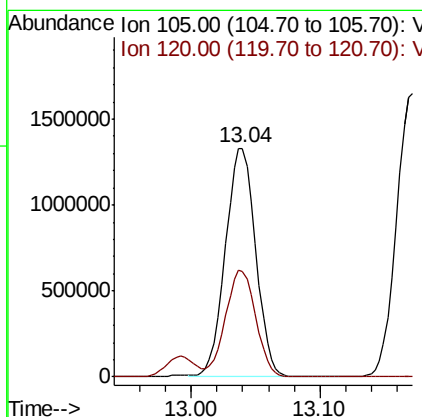
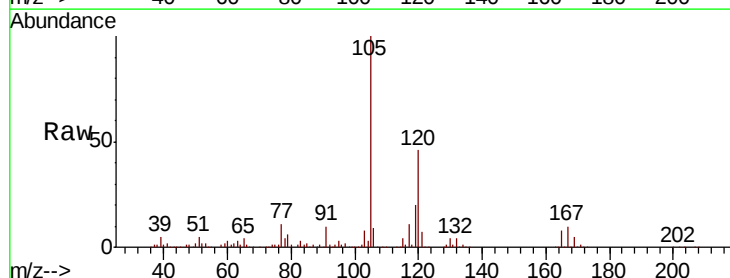
Manual Integrations
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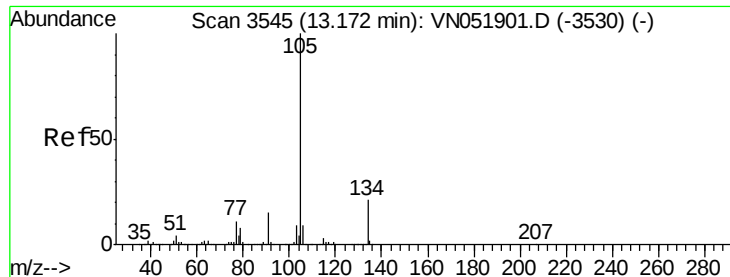
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.721 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion:105 Resp: 2166299
Ion Ratio Lower Upper
105 100
120 46.5 23.8 71.4





#85

sec-Butylbenzene

Concen: 48.389 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2614190

Ion Ratio Lower Upper

105 100

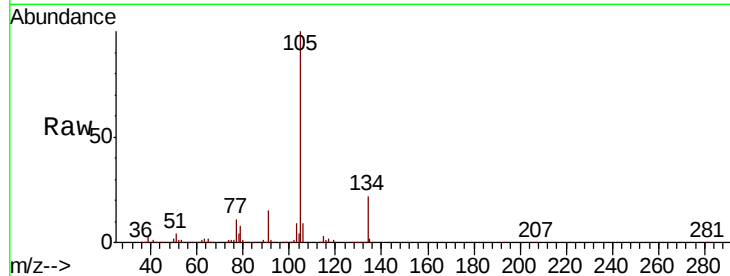
134 21.4 10.8 32.3

Manual Integrations

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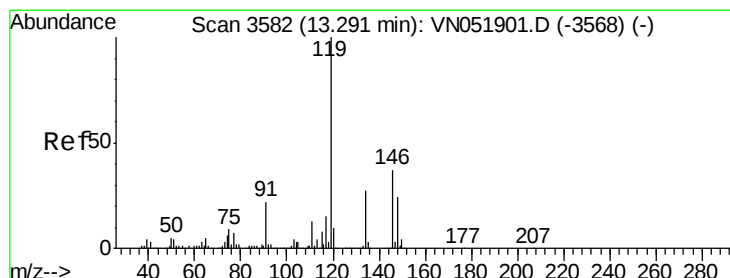
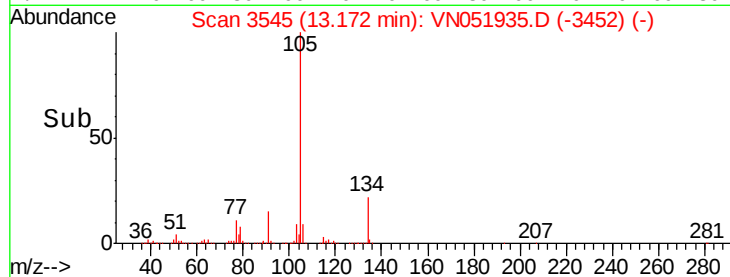
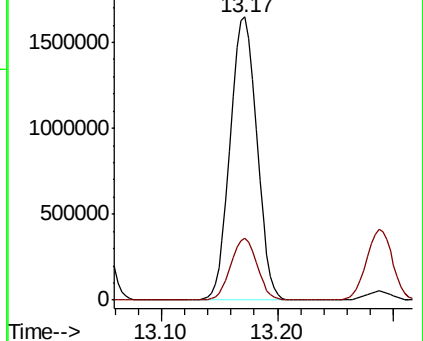
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.417 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

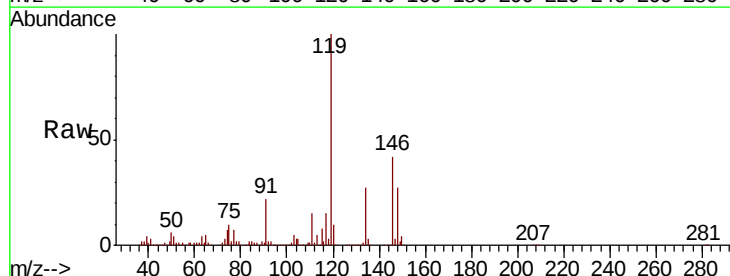
Tgt Ion:119 Resp: 2360706

Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

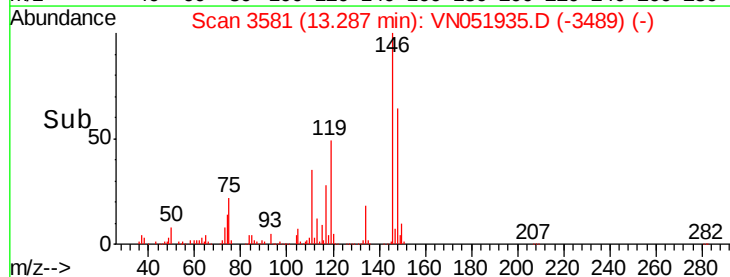
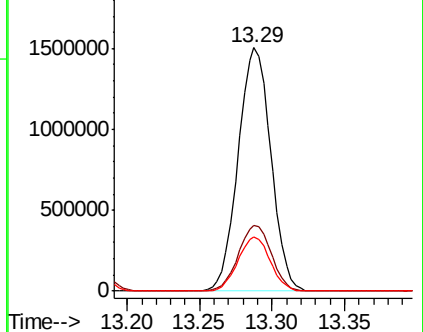
91 21.9 10.9 32.9

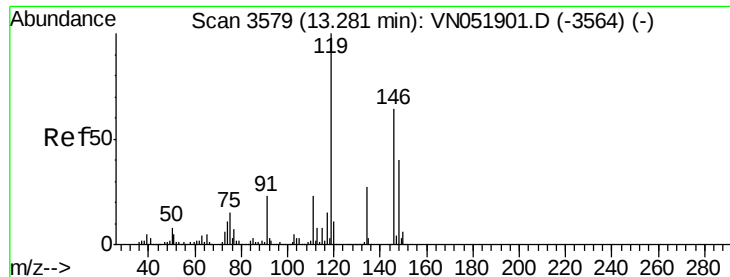


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.110 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1178359

Ion Ratio Lower Upper

146 100

111 36.1 18.3 54.8

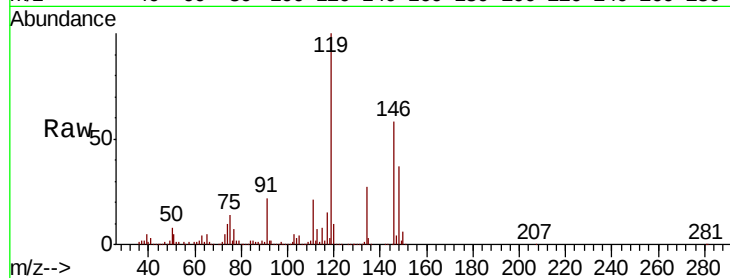
148 63.8 31.9 95.7

Manual Integrations

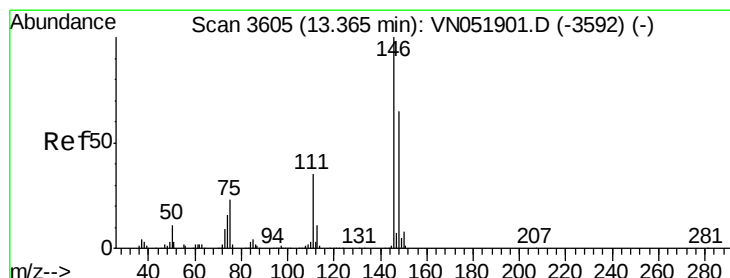
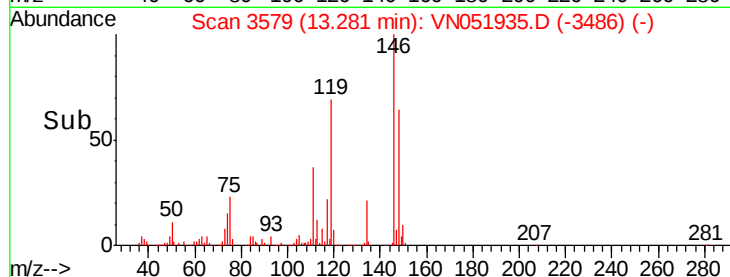
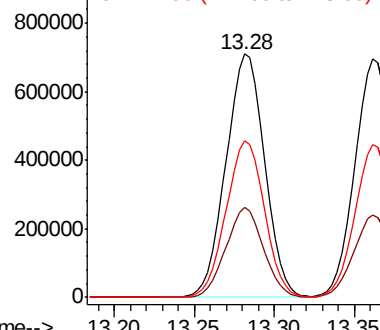
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.820 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

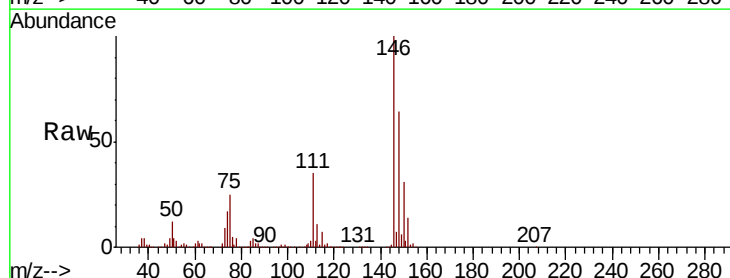
Tgt Ion:146 Resp: 1151287

Ion Ratio Lower Upper

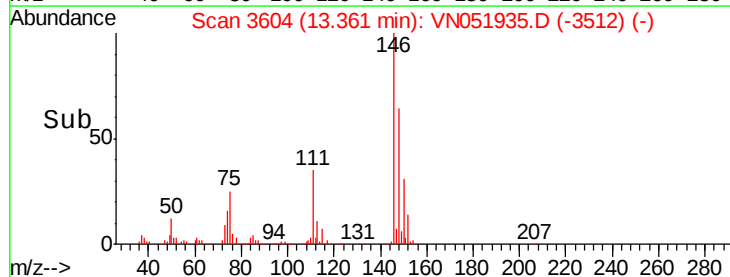
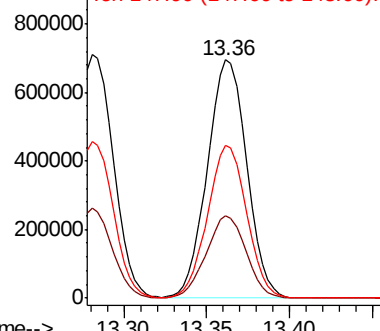
146 100

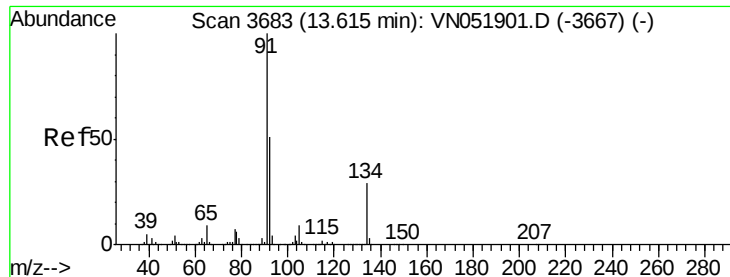
111 34.8 17.9 53.7

148 63.6 32.8 98.3



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





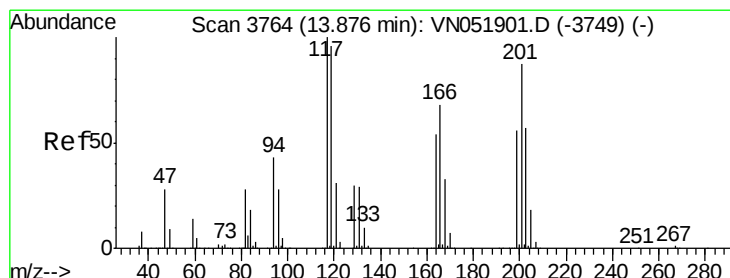
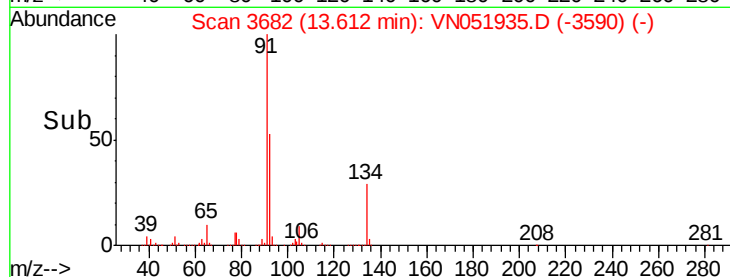
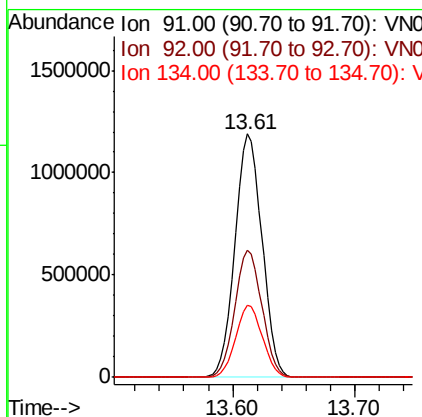
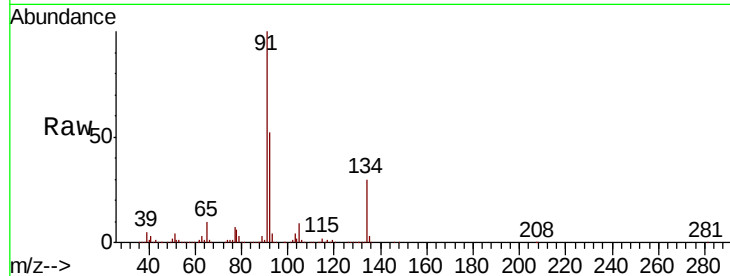
#89
n-Butylbenzene
Concen: 53.906 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1830990
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.7
134 29.3 14.6 43.8

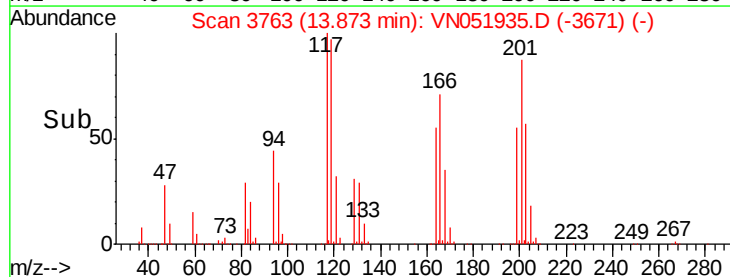
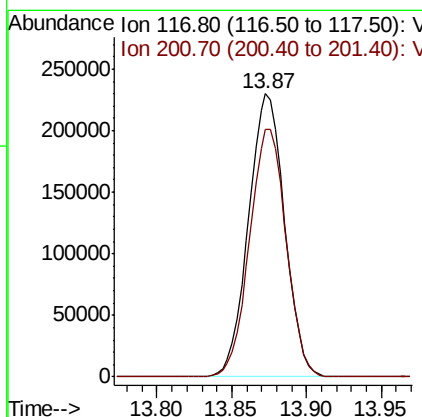
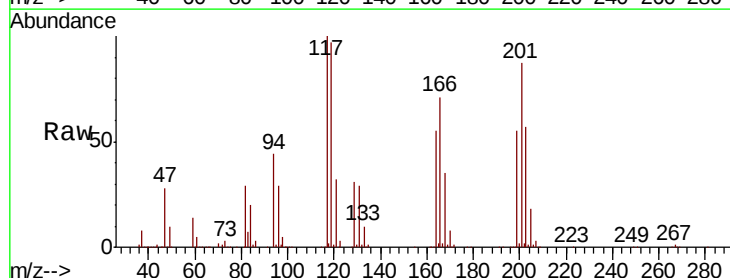
Manual Integrations
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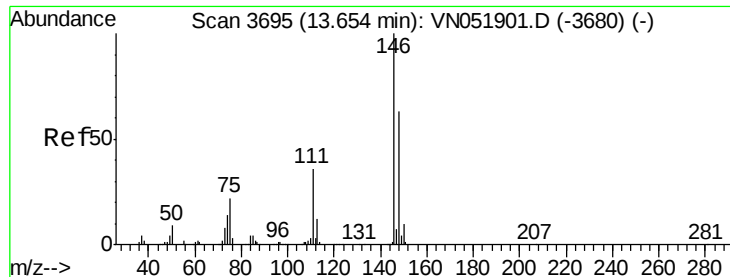
MMDadoda
10/22/2018 11:35:15 AM



#90
Hexachloroethane
Concen: 49.229 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion: 117 Resp: 385542
Ion Ratio Lower Upper
117 100
201 88.8 43.8 131.3





#91

1,2-Dichlorobenzene

Concen: 49.304 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1145682

Ion Ratio Lower Upper

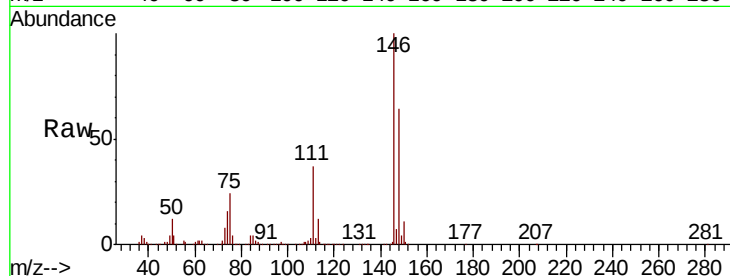
146 100

111 37.4 18.6 55.6

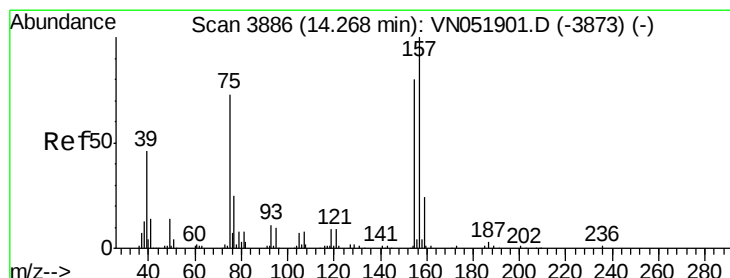
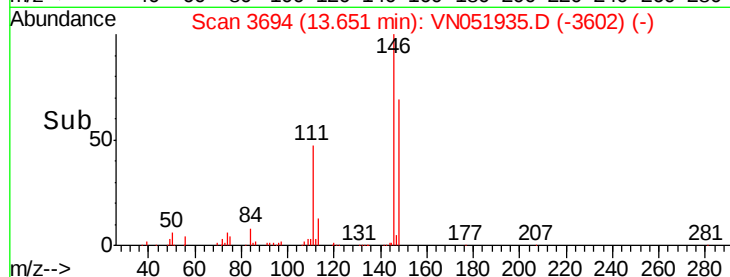
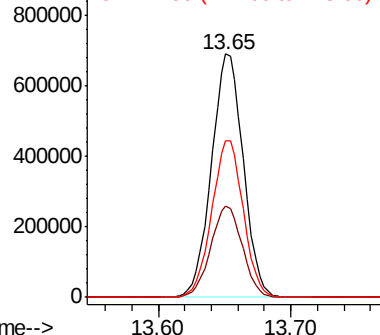
148 64.0 32.0 96.2

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.747 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051935.D

Acq: 19 Oct 2018 8:07

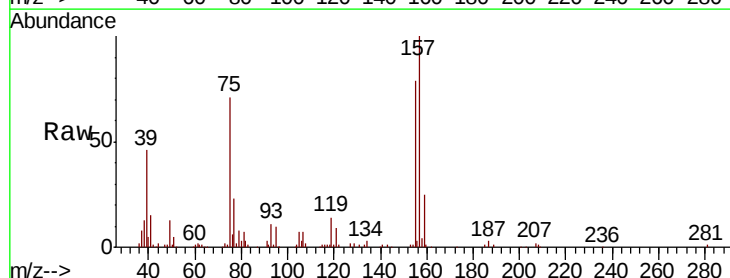
Tgt Ion: 75 Resp: 73839

Ion Ratio Lower Upper

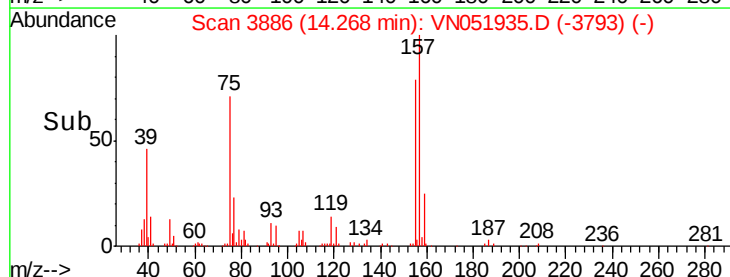
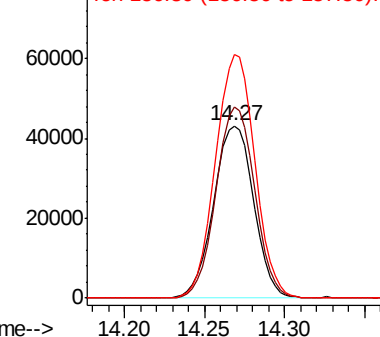
75 100

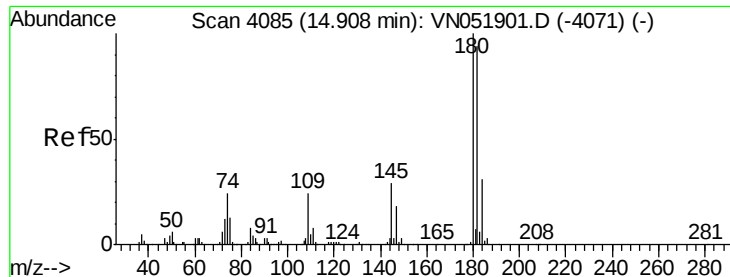
155 107.1 53.4 160.2

157 138.6 69.3 207.9



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





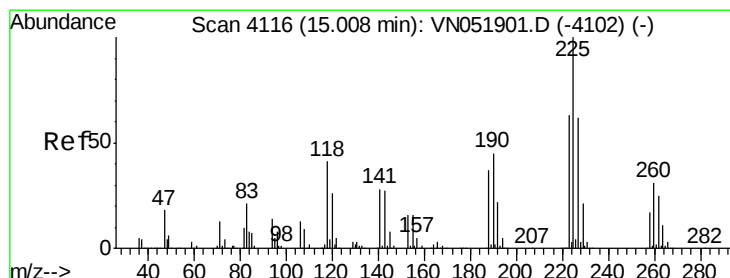
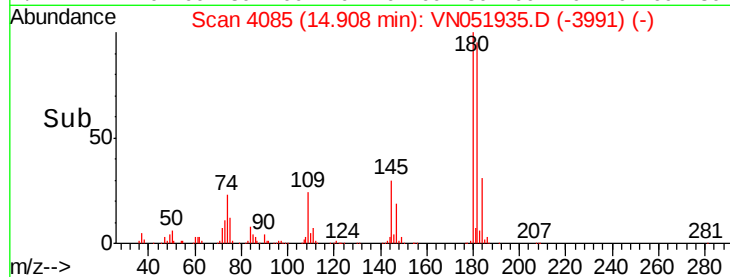
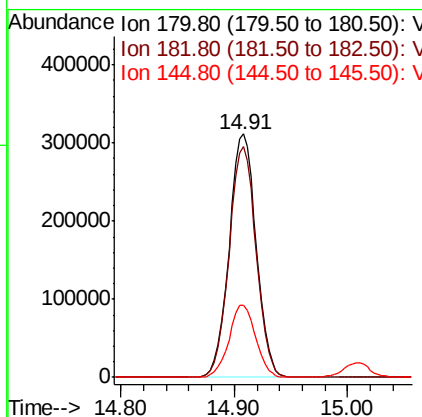
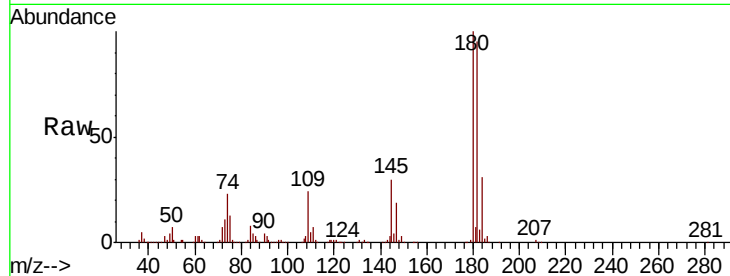
#93
 1,2,4-Trichlorobenzene
 Concen: 44.606 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	141.9	
145	29.4	14.5	43.5	

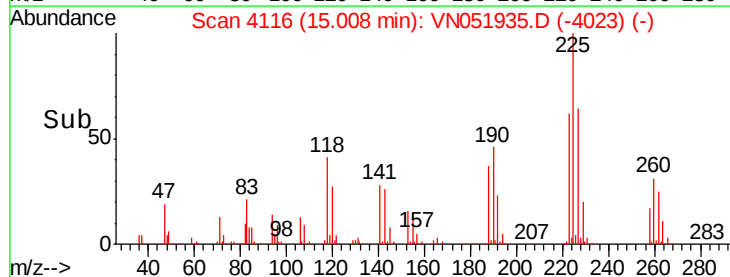
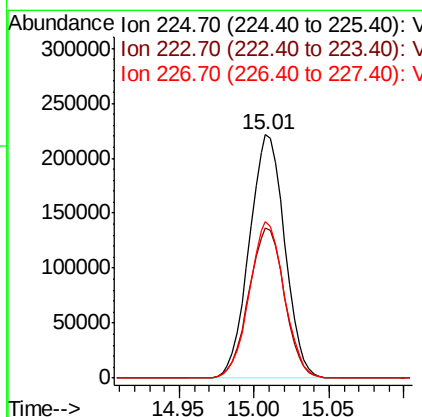
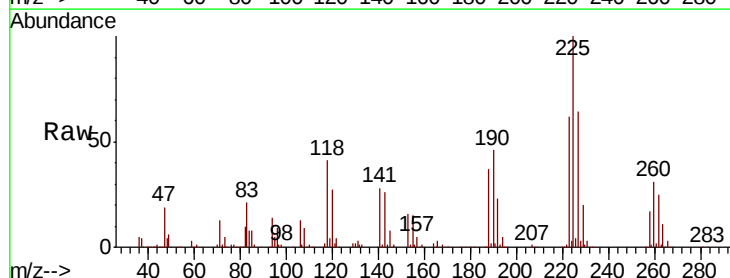
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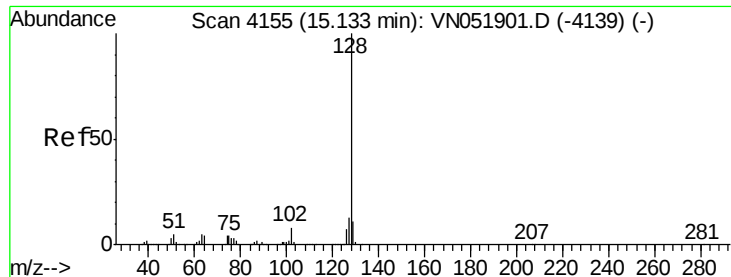
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#94
 Hexachlorobutadiene
 Concen: 49.550 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051935.D
 Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	32.0	96.2	
227	63.2	31.9	95.9	





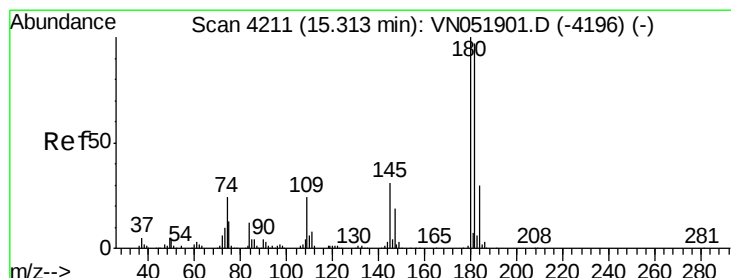
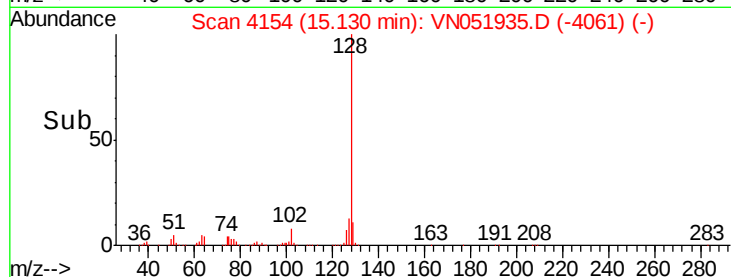
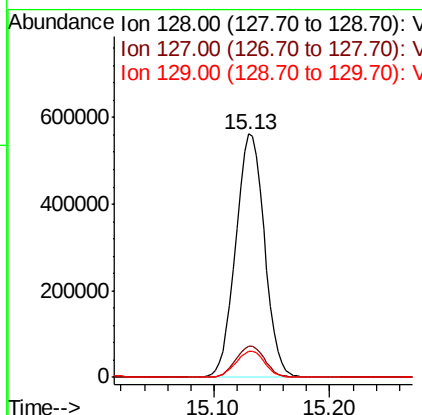
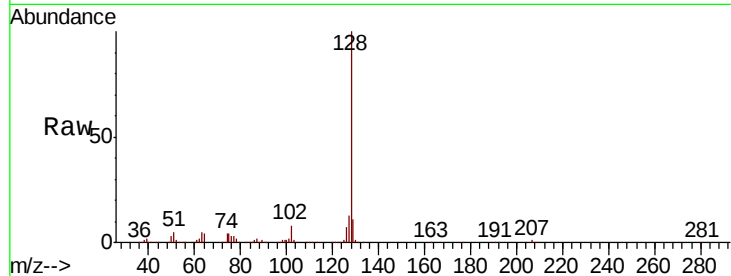
#95
Naphthalene
Concen: 41.551 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.999 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051935.D
Acq: 19 Oct 2018 8:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	30.6	15.2	45.6

