

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070201.D
 Acq On : 18 Dec 2021 7:57
 Operator : JC/MD
 Sample : M5115-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:25:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

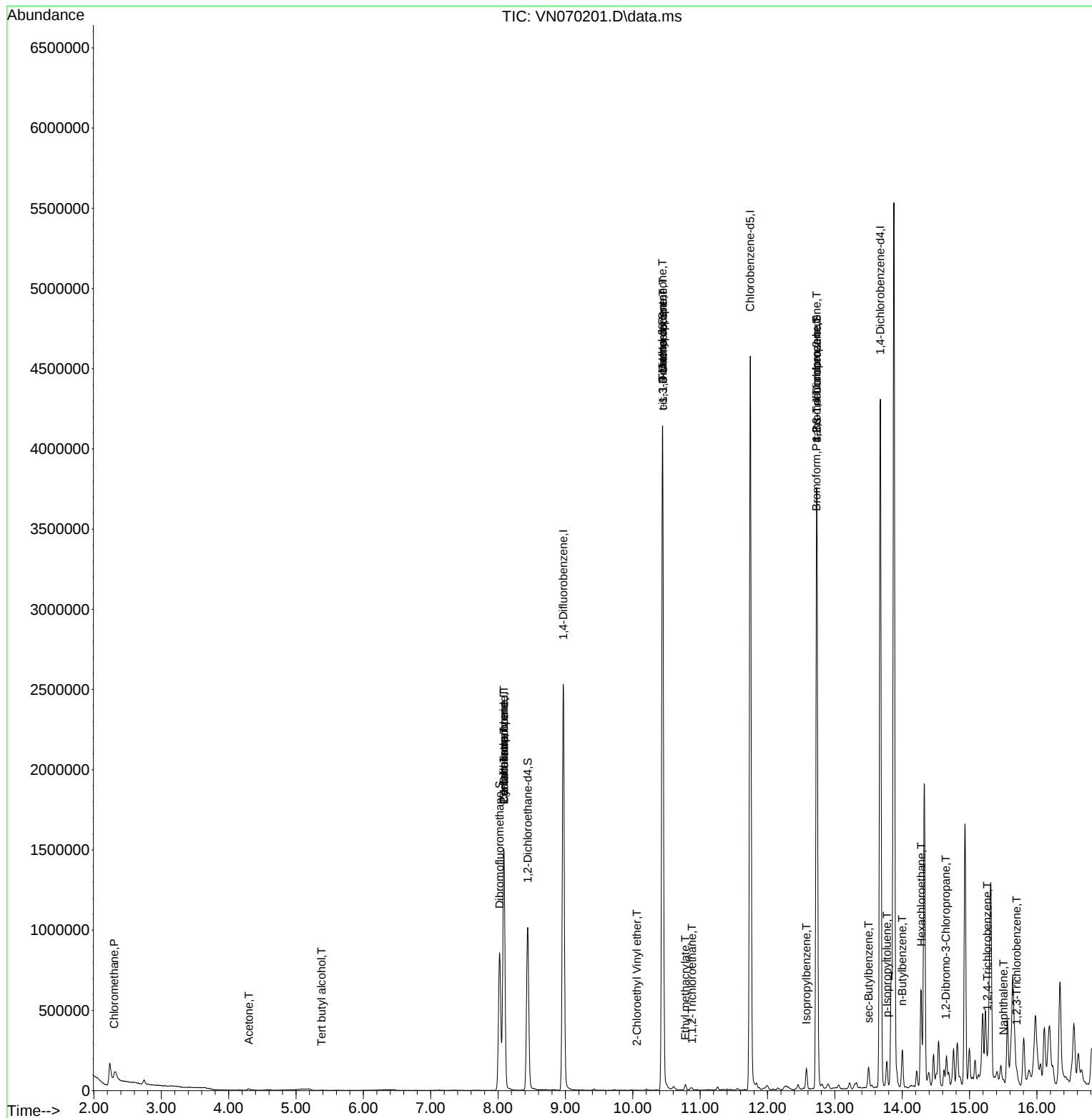
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1120148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2141908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2553458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1148363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	889549	51.434	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.860%	
35) Dibromofluoromethane	8.021	113	628878	46.874	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.740%	
50) Toluene-d8	10.443	98	2843577	52.784	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.560%	
62) 4-Bromofluorobenzene	12.731	95	1334109	68.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 136.720%#	
Target Compounds						Qvalue
3) Chloromethane	2.301	50	3567	0.218	ug/l #	73
11) Tert butyl alcohol	5.380	59	848	0.259	ug/l #	71
16) Acetone	4.299	43	13216	1.270	ug/l	97
31) Cyclohexane	8.086	56	28343	1.178	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	95997	4.708	ug/l #	48
38) Carbon Tetrachloride	8.086	117	114814	5.742	ug/l #	16
51) 4-Methyl-2-Pentanone	10.441	43	15764	0.541	ug/l #	1
53) t-1,3-Dichloropropene	10.446	75	935	2.829	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	980	2.035	ug/l #	1
55) 1,1,2-Trichloroethane	10.878	97	3749	0.244	ug/l #	15
56) Ethyl methacrylate	10.778	69	3861	2.406	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.062	63	26	18.392	ug/l #	45
71) Bromoform	12.726	173	4193	2.985	ug/l #	1
73) Isopropylbenzene	12.578	105	82807	0.810	ug/l	98
76) 1,2,3-Trichloropropane	12.731	75	734112	22.291	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	734112	71.093	ug/l #	5
85) sec-Butylbenzene	13.501	105	83837	0.849	ug/l	98
86) p-Isopropyltoluene	13.772	119	87531	1.134	ug/l	95
89) n-Butylbenzene	14.002	91	22094	0.353	ug/l #	1
90) Hexachloroethane	14.281	117	260573	19.224	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.649	75	1378	0.216	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.265	180	244	2.890	ug/l #	1
95) Naphthalene	15.504	128	10758	4.162	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	340	2.453	ug/l #	70

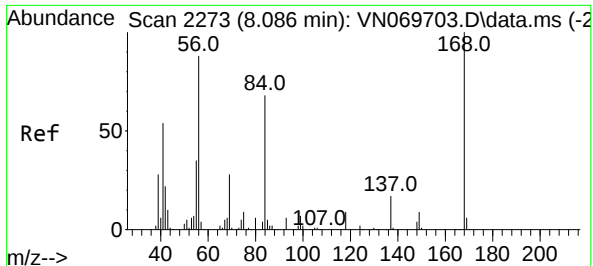
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
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MSVOA_N
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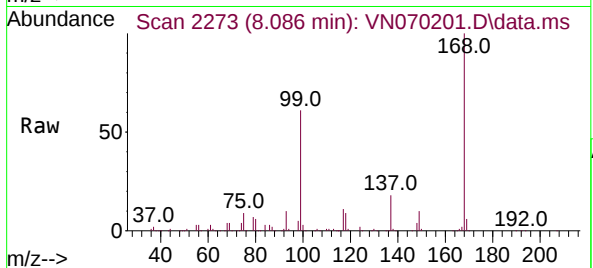
Quant Time: Dec 19 07:25:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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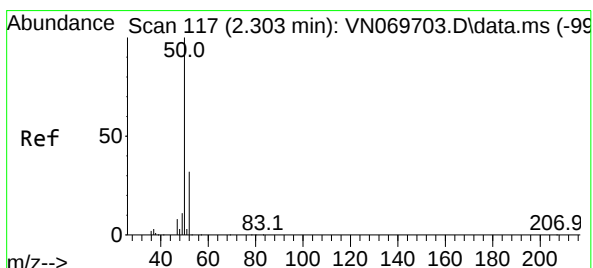
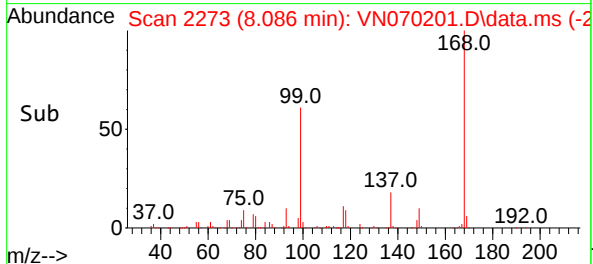
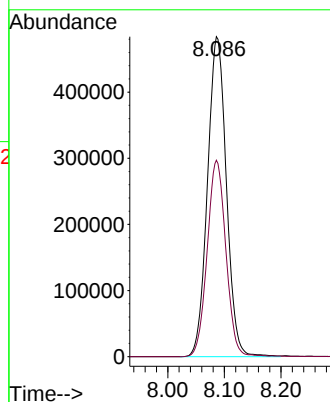


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

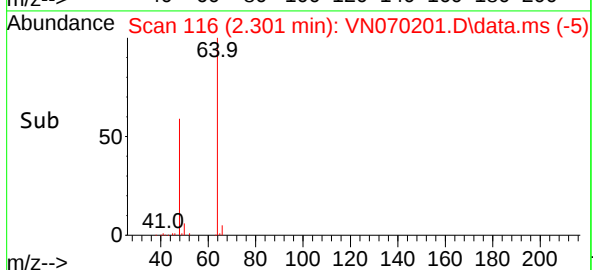
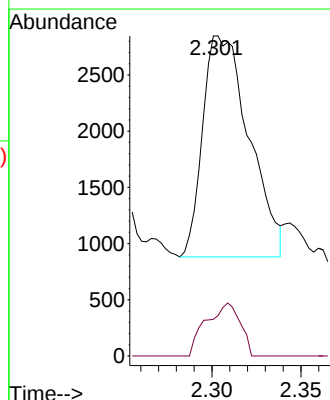
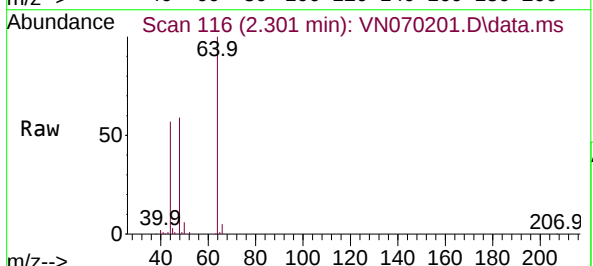


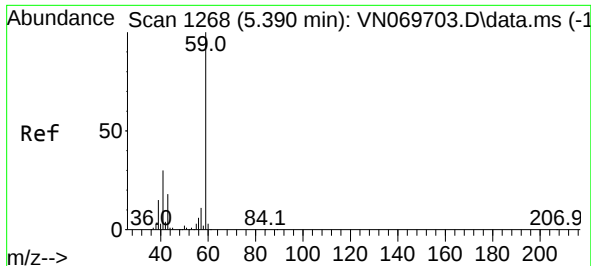
Tgt Ion:168 Resp: 1120148
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

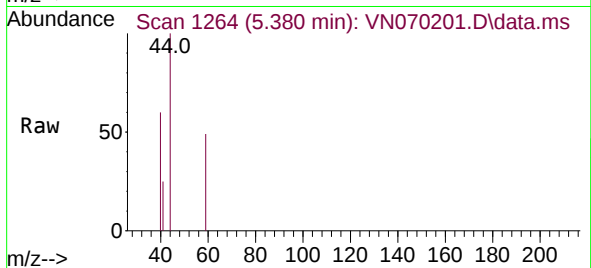
Tgt Ion: 50 Resp: 3567
Ion Ratio Lower Upper
50 100
52 16.6 25.4 38.0#



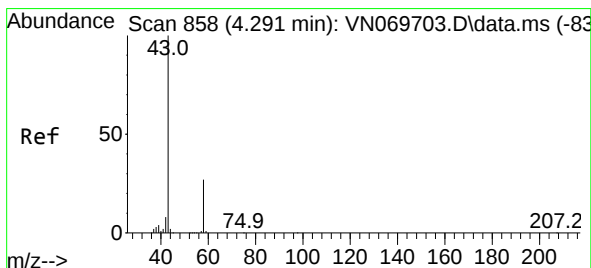
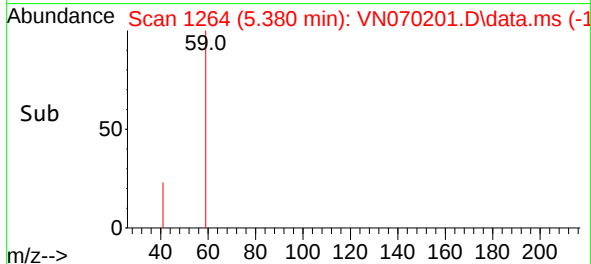
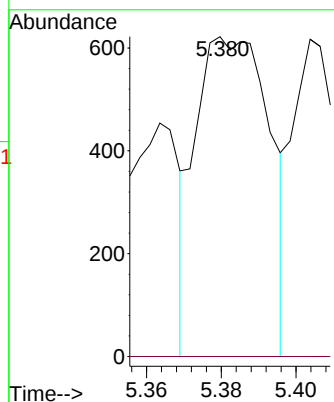


#11
Tert butyl alcohol
Concen: 0.259 ug/l
RT: 5.380 min Scan# 11
Delta R.T. -0.010 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

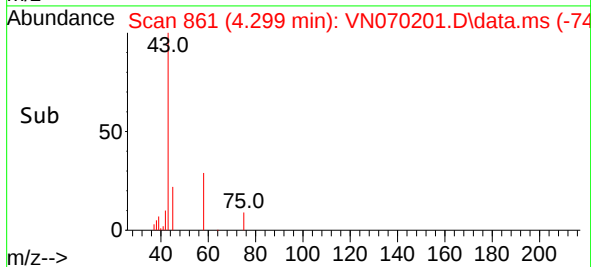
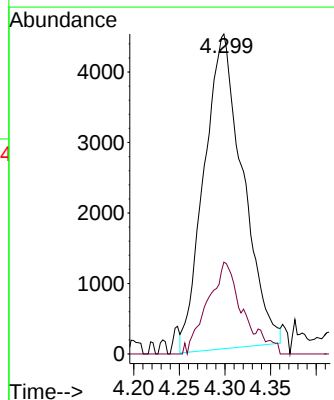
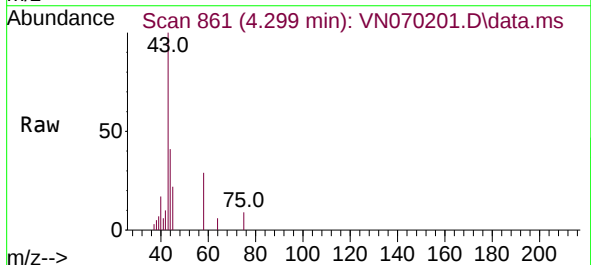


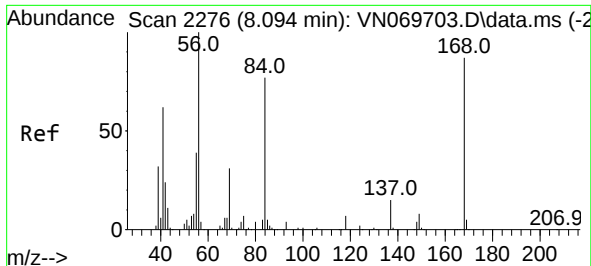
Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 1.270 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

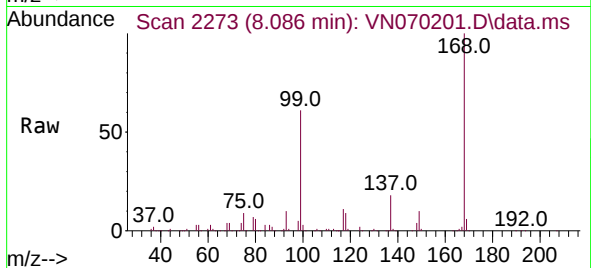
Tgt Ion: 43 Resp: 13216
Ion Ratio Lower Upper
43 100
58 30.6 23.1 34.7



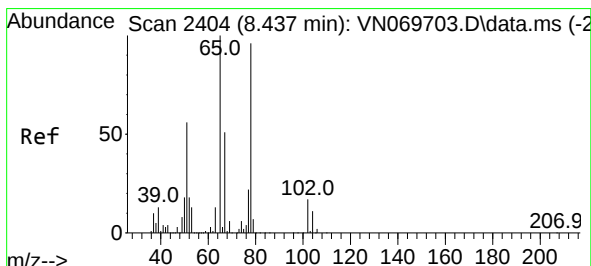
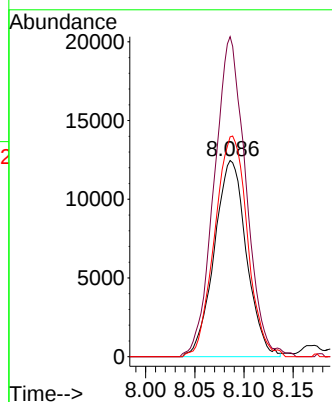
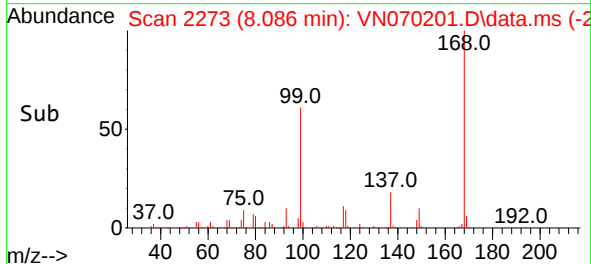


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

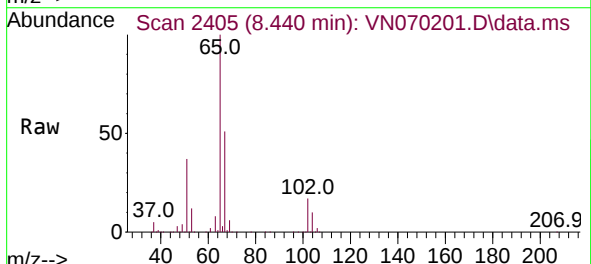
Instrument :
MSVOA_N
ClientSampleId :



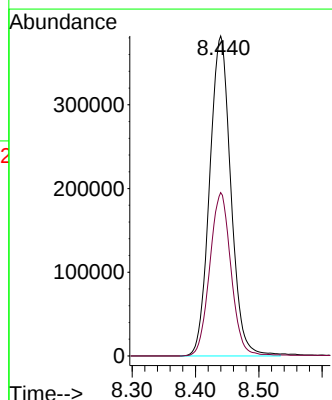
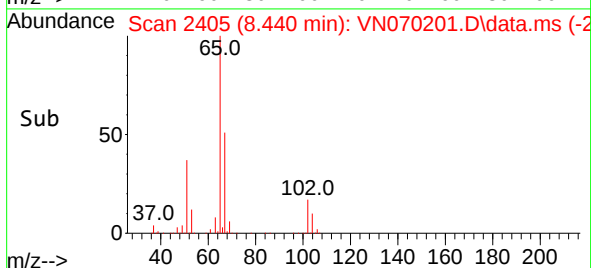
Tgt Ion: 56 Resp: 28343
Ion Ratio Lower Upper
56 100
69 163.1 27.1 40.7#
84 112.0 73.4 110.0#

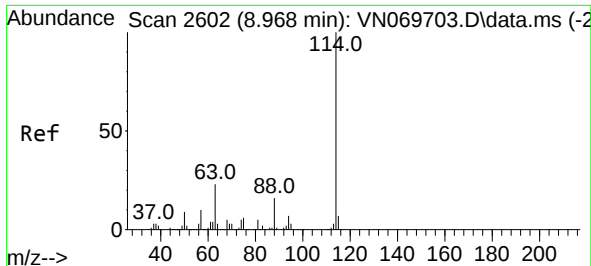


#33
1,2-Dichloroethane-d4
Concen: 51.434 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57



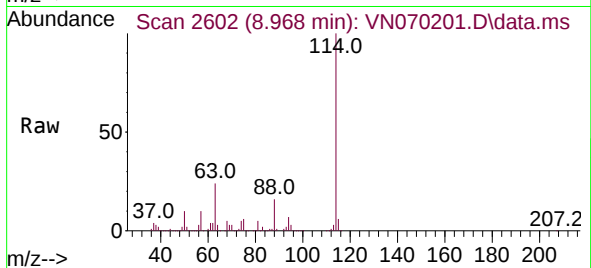
Tgt Ion: 65 Resp: 889549
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



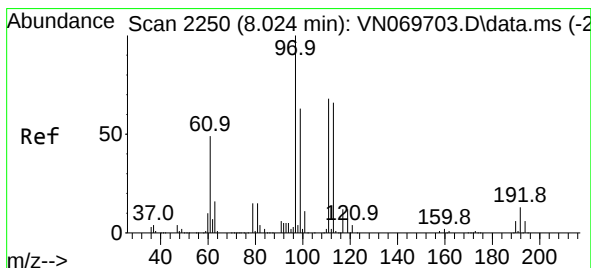
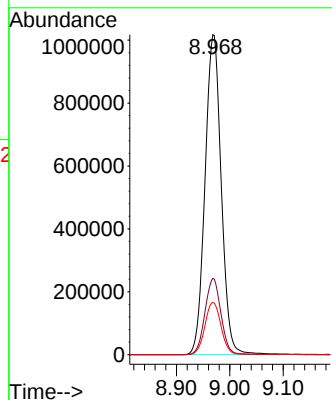
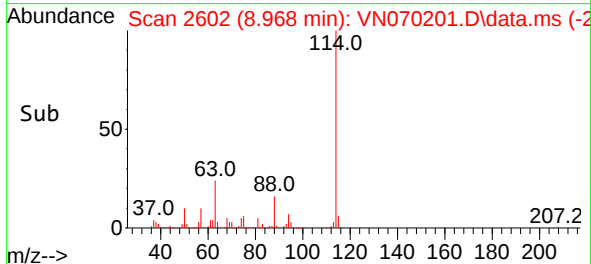


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

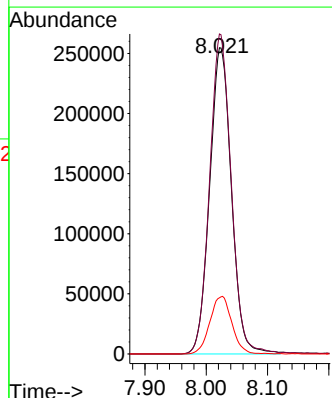
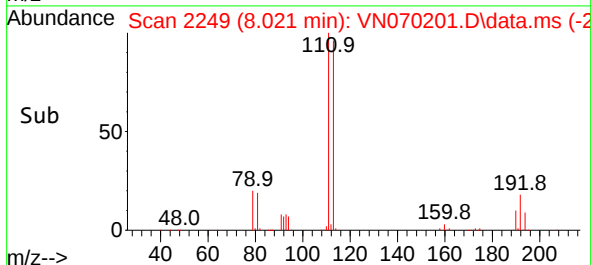
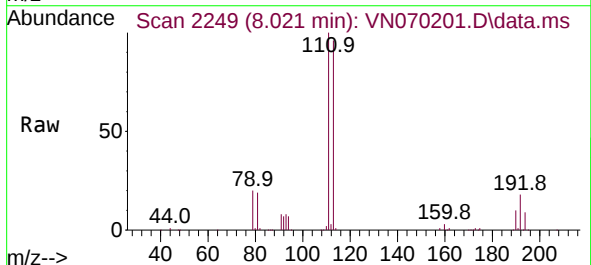


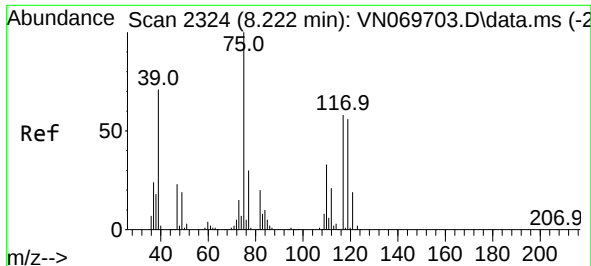
Tgt Ion:114 Resp: 2141908
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.874 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

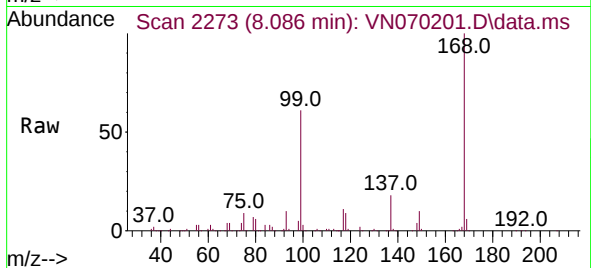
Tgt Ion:113 Resp: 628878
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.0 16.9 25.3



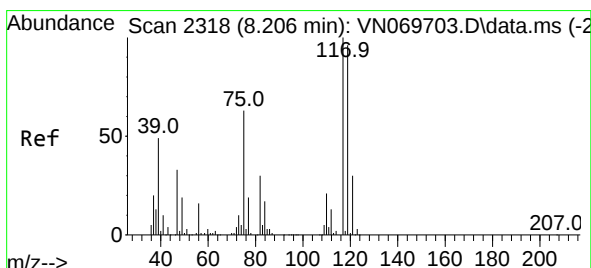
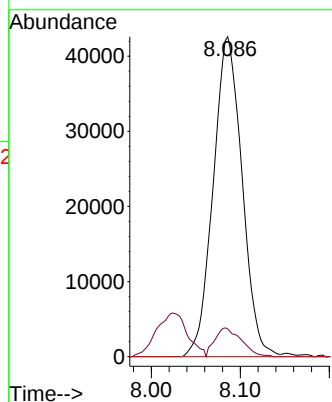
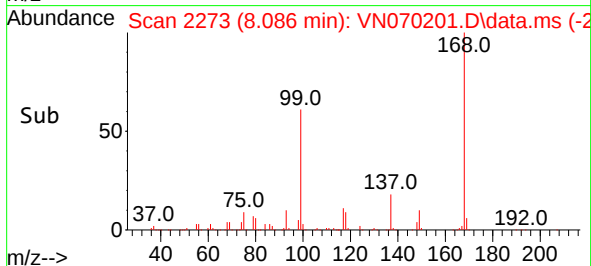


#36
1,1-Dichloropropene
Concen: 4.708 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

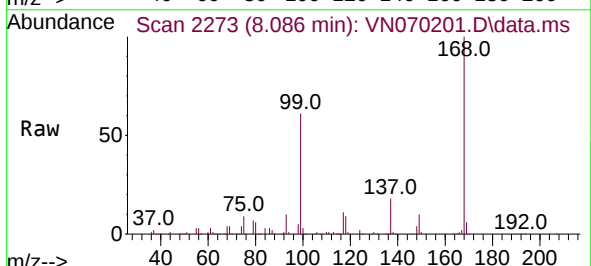
Instrument :
MSVOA_N
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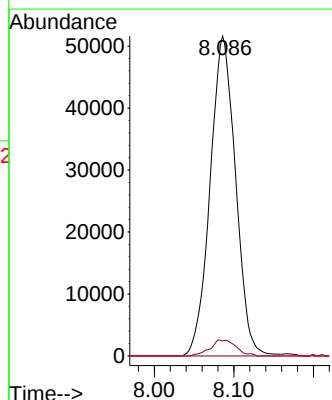
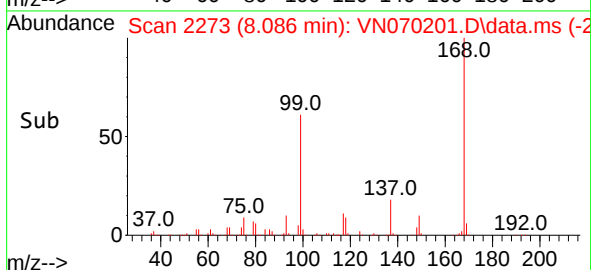
Tgt Ion: 75 Resp: 95997
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#

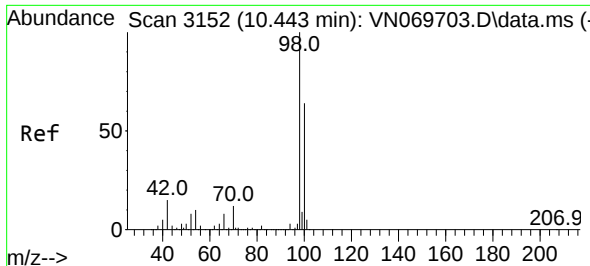


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57



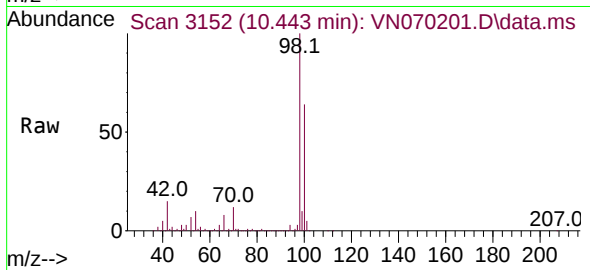
Tgt Ion: 117 Resp: 114814
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



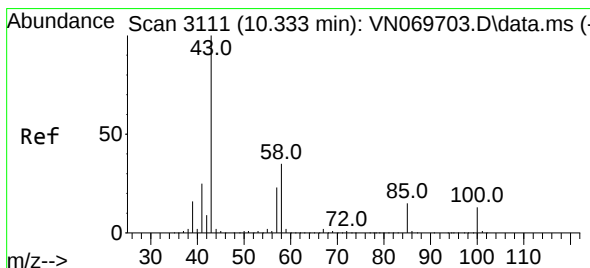
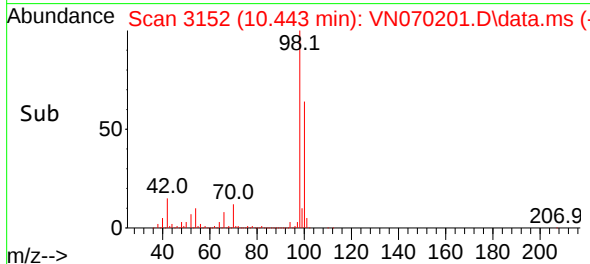
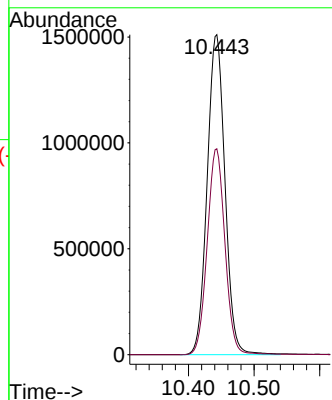


#50
Toluene-d8
Concen: 52.784 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

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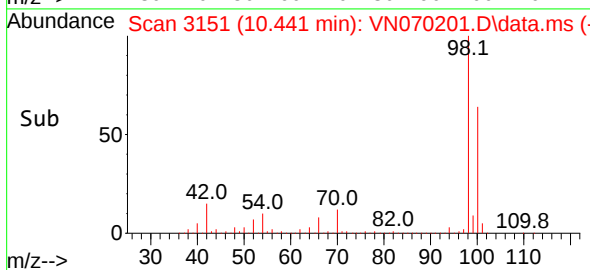
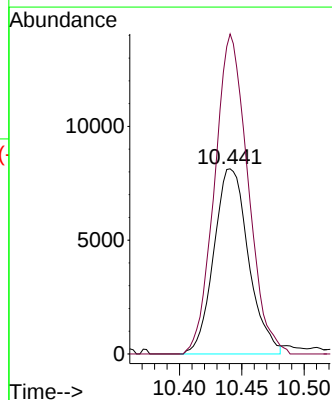
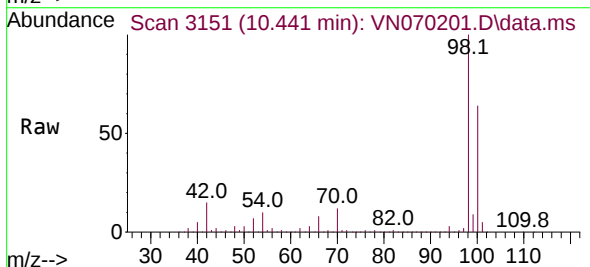


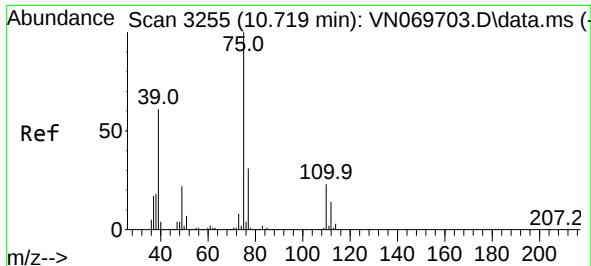
Tgt Ion: 98 Resp: 2843577
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.108 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Tgt Ion: 43 Resp: 15764
Ion Ratio Lower Upper
43 100
58 165.8 30.4 45.6#

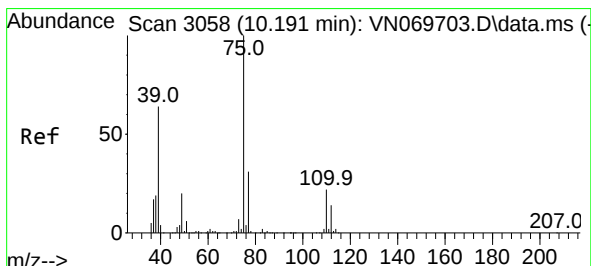
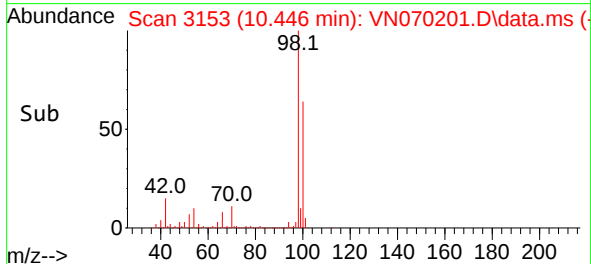
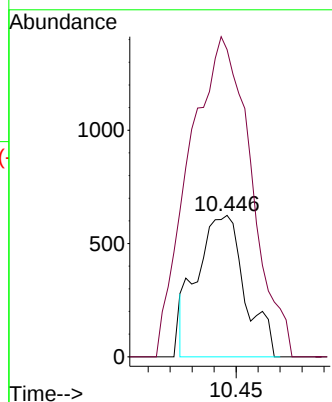
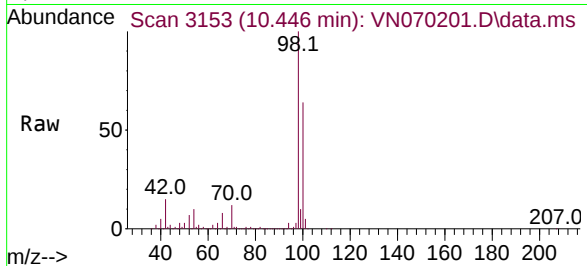




#53
 t-1,3-Dichloropropene
 Concen: 2.829 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. -0.273 min
 Lab File: VN070201.D
 Acq: 18 Dec 2021 7:57

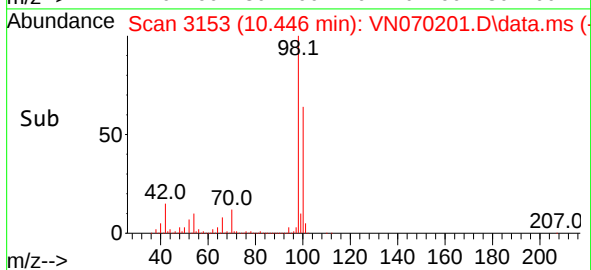
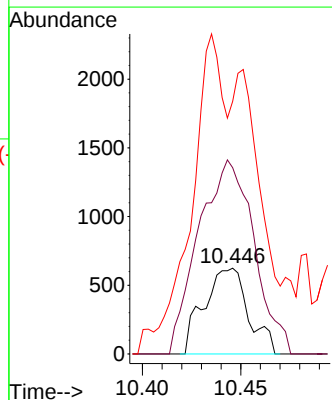
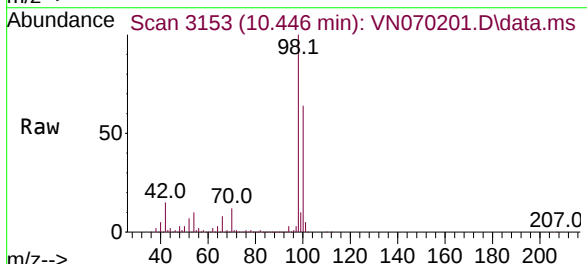
Instrument :
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 ClientSampleId :

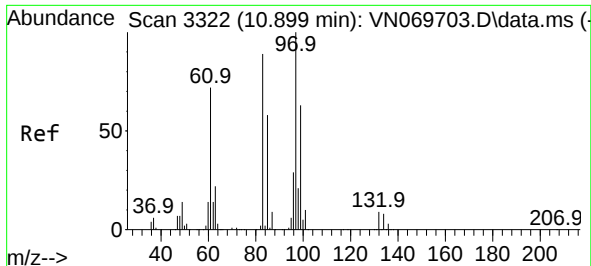
Tgt Ion: 75 Resp: 935
 Ion Ratio Lower Upper
 75 100
 77 183.3 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.035 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN070201.D
 Acq: 18 Dec 2021 7:57

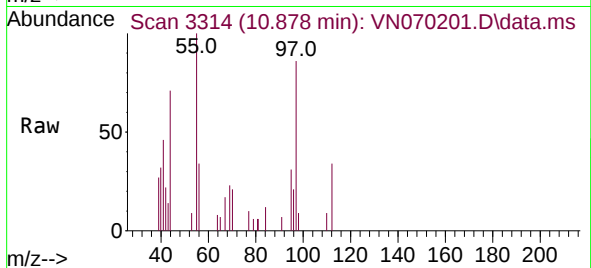
Tgt Ion: 75 Resp: 980
 Ion Ratio Lower Upper
 75 100
 77 183.3 26.4 39.6#
 39 215.5 42.5 63.7#



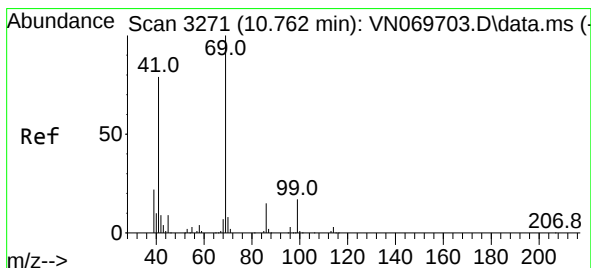
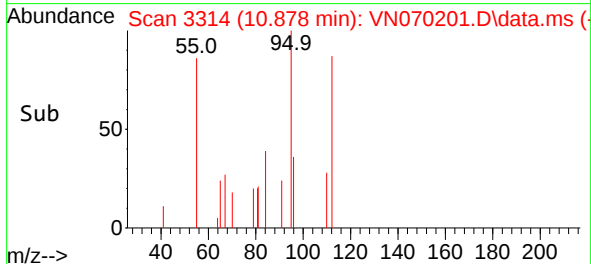
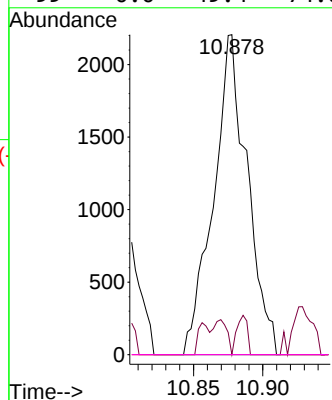


#55
1,1,2-Trichloroethane
Concen: 0.244 ug/l
RT: 10.878 min Scan# 31
Delta R.T. -0.021 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

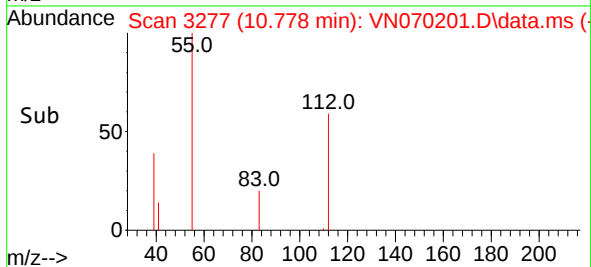
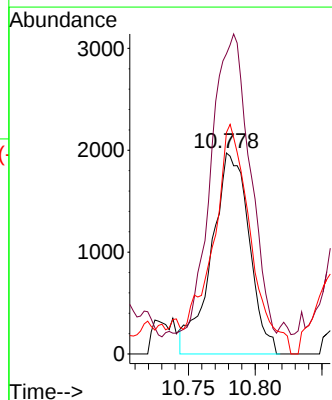
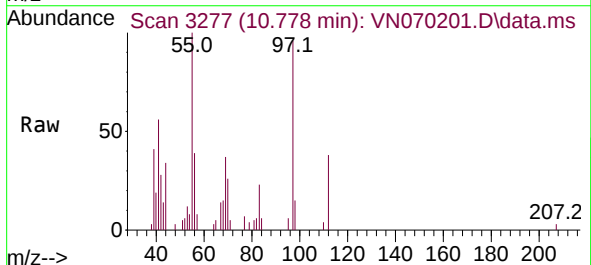


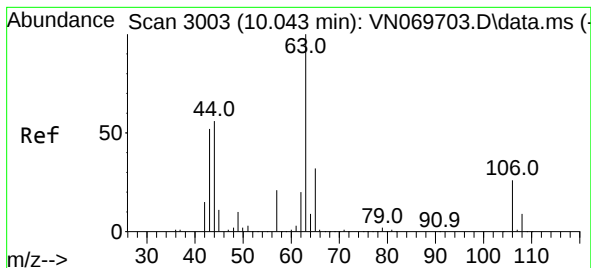
Tgt Ion: 97	Resp: 3749
Ion Ratio	Lower Upper
97 100	
83 0.0	67.8 101.6#
85 0.0	45.4 68.2#
99 0.0	49.4 74.0#



#56
Ethyl methacrylate
Concen: 2.406 ug/l
RT: 10.778 min Scan# 3277
Delta R.T. 0.016 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Tgt Ion: 69	Resp: 3861
Ion Ratio	Lower Upper
69 100	
41 150.9	51.4 77.0#
39 115.6	34.6 52.0#

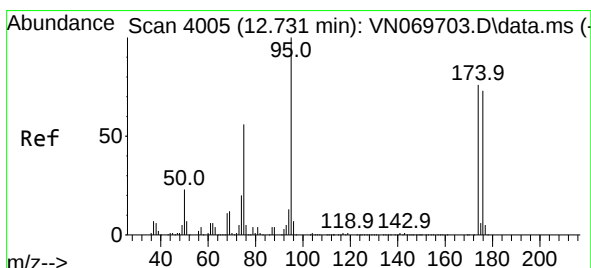
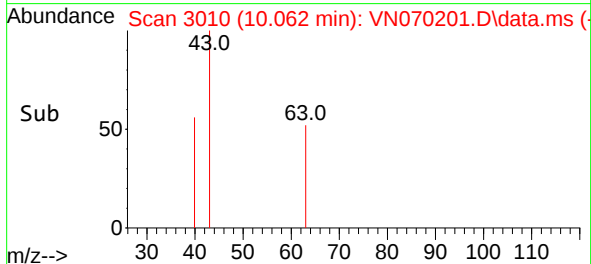
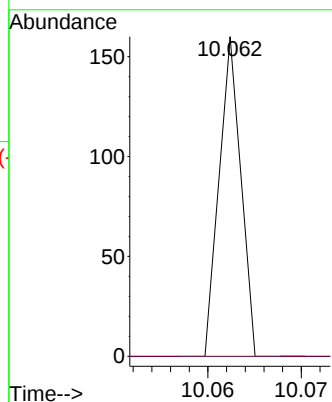
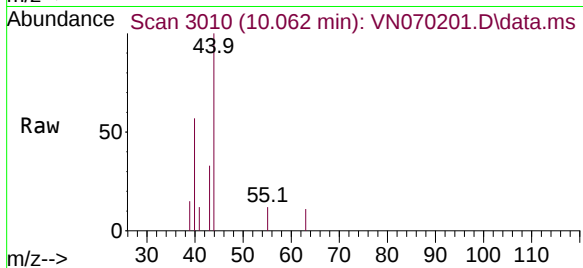




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.062 min Scan# 3003
Delta R.T. 0.019 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

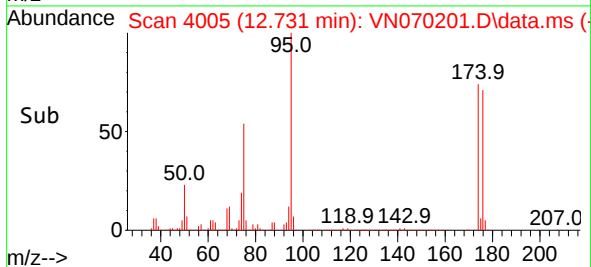
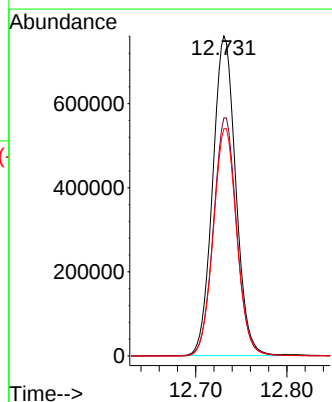
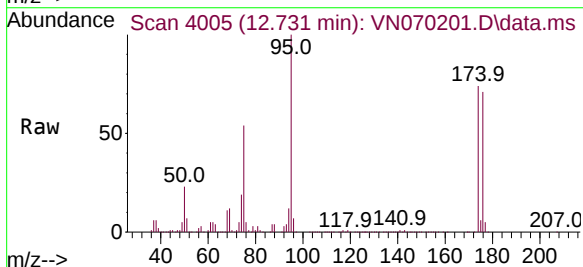
Instrument :
MSVOA_N
ClientSampleId :

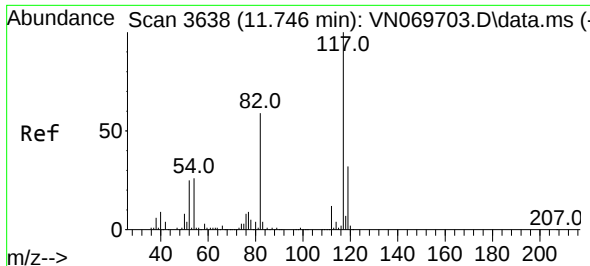
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 68.358 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

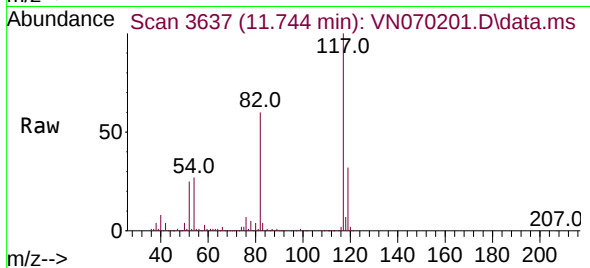
Tgt Ion: 95 Resp: 1334109
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.6 0.0 181.4



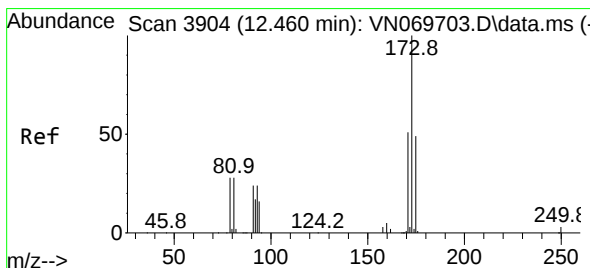
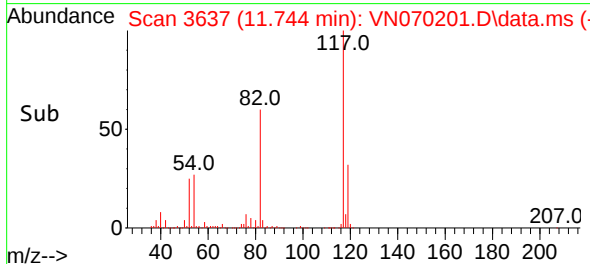
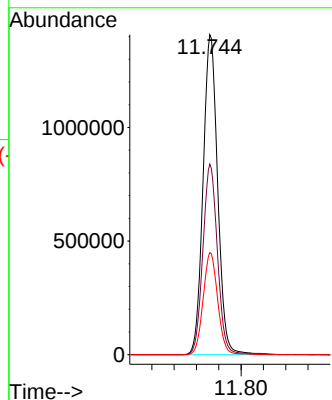


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

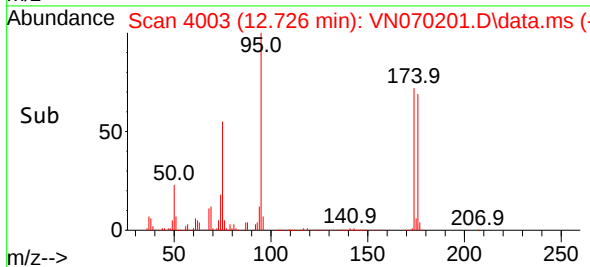
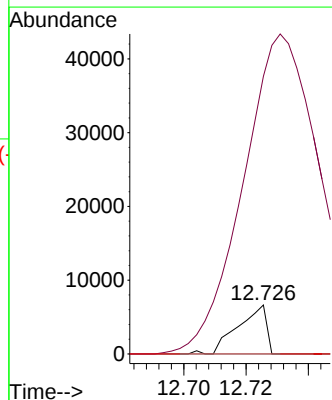
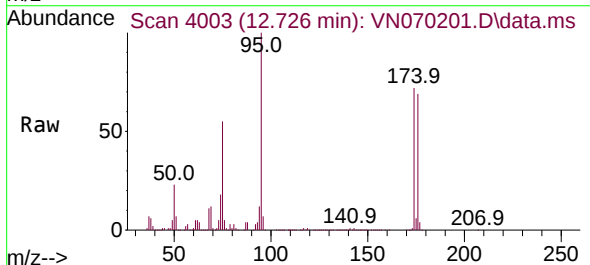


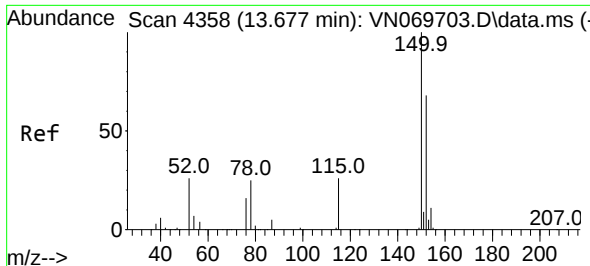
Tgt Ion:117 Resp: 2553458
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 2.985 ug/l
RT: 12.726 min Scan# 4003
Delta R.T. 0.266 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

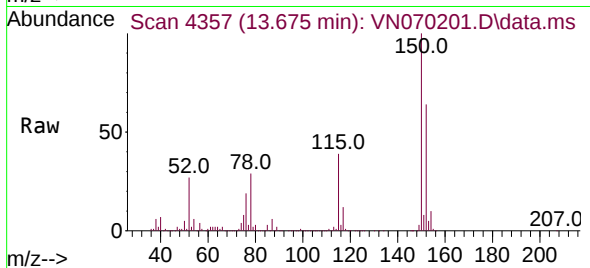
Tgt Ion:173 Resp: 4193
Ion Ratio Lower Upper
173 100
175 1696.9 24.2 72.6#
254 0.0 0.0 0.0



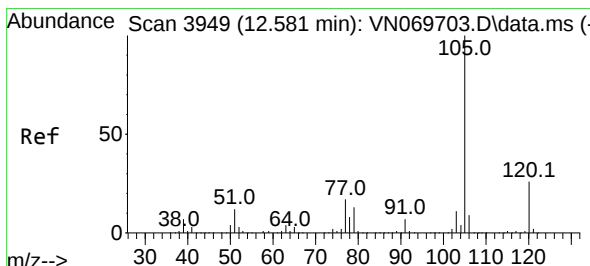
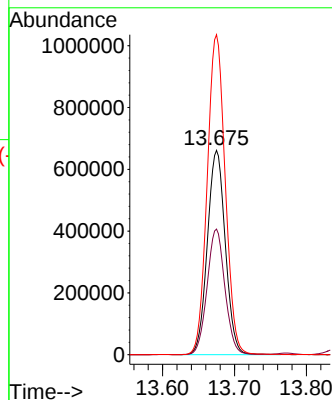
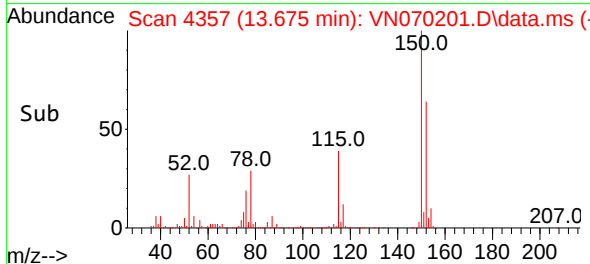


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

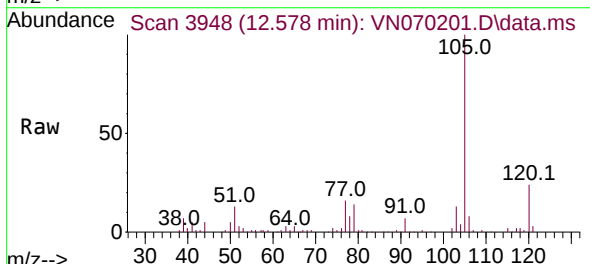
Instrument :
MSVOA_N
ClientSampleId :



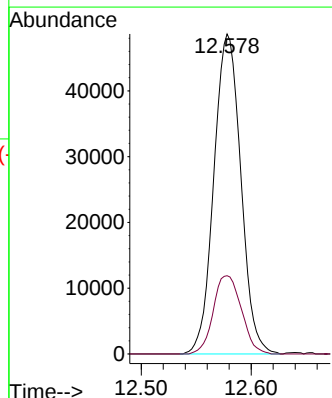
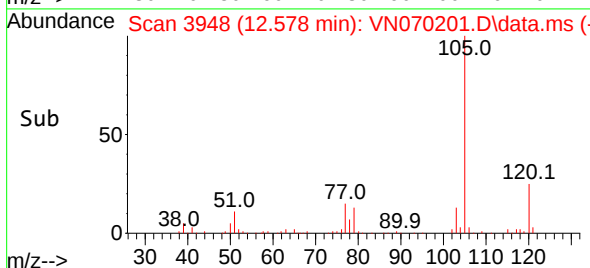
Tgt Ion:152 Resp: 1148363
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.2 0.0 344.4

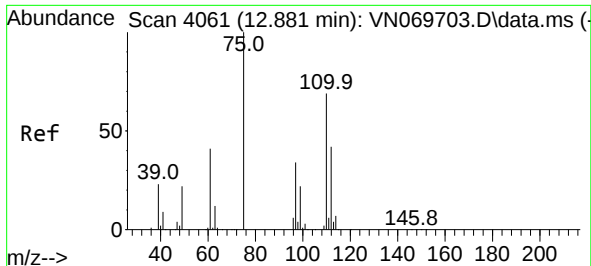


#73
Isopropylbenzene
Concen: 0.810 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57



Tgt Ion:105 Resp: 82807
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

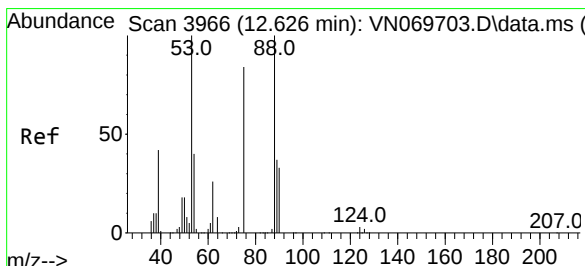
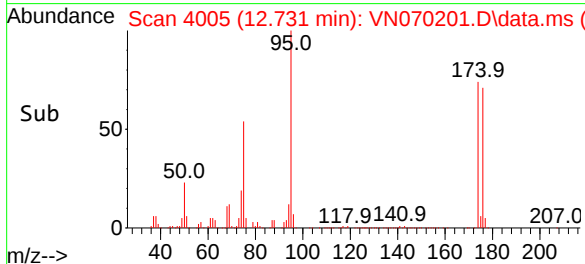
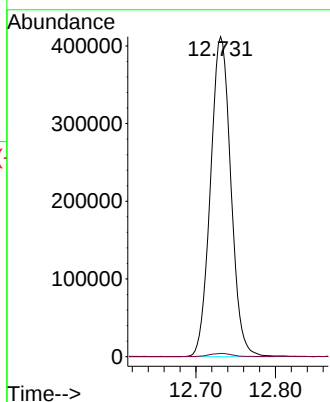
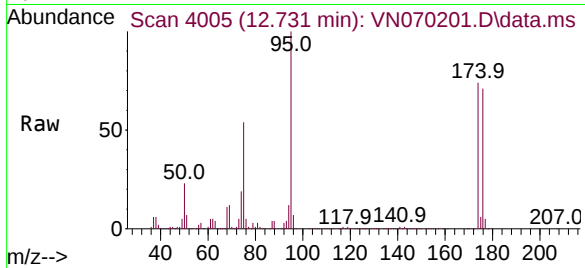




#76
1,2,3-Trichloropropane
Concen: 22.291 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

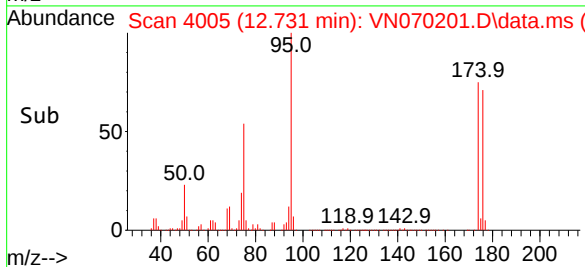
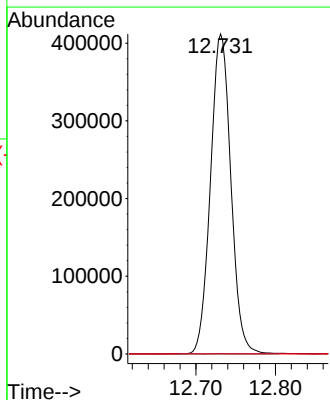
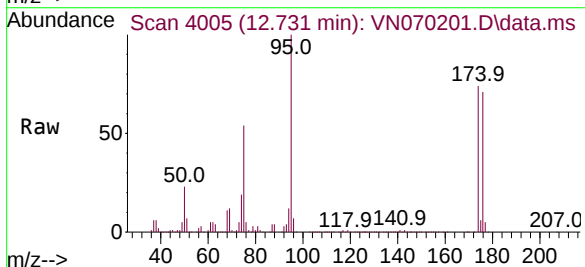
Instrument :
MSVOA_N
ClientSampleId :

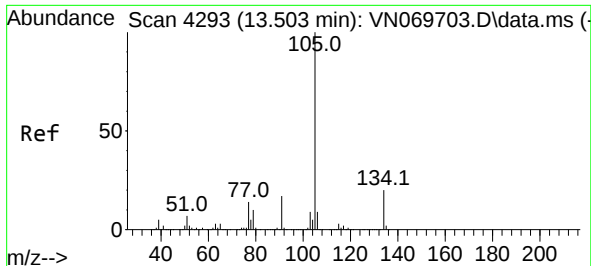
Tgt Ion: 75 Resp: 734112
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.093 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Tgt Ion: 75 Resp: 734112
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

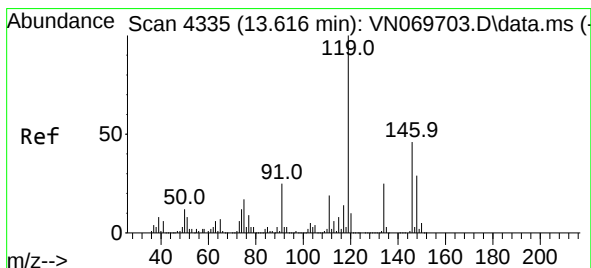
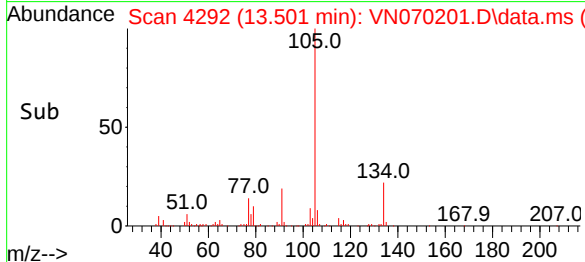
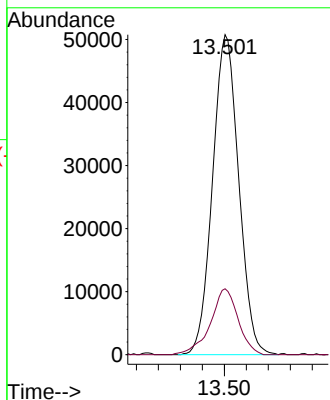
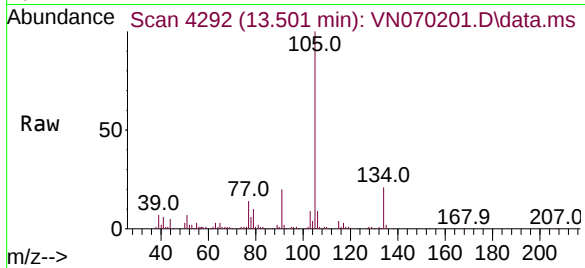




#85
 sec-Butylbenzene
 Concen: 0.849 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN070201.D
 Acq: 18 Dec 2021 7:57

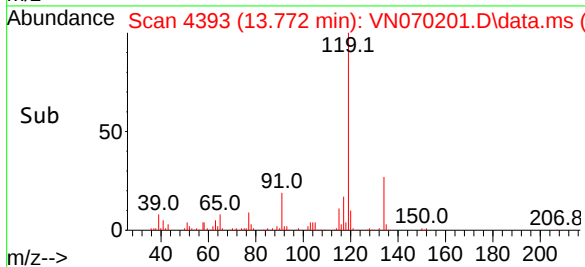
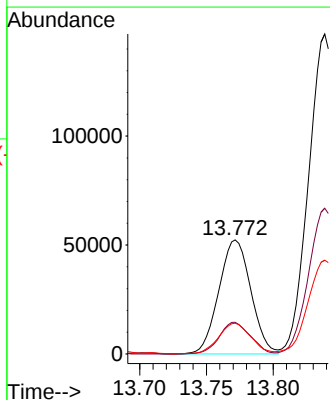
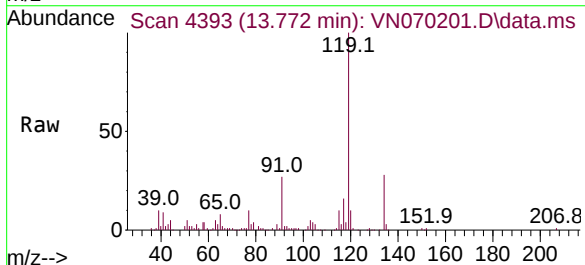
Instrument :
 MSVOA_N
 ClientSampleId :

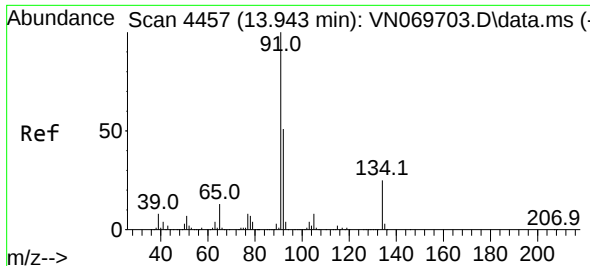
Tgt Ion:105 Resp: 83837
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 1.134 ug/l
 RT: 13.772 min Scan# 4393
 Delta R.T. 0.156 min
 Lab File: VN070201.D
 Acq: 18 Dec 2021 7:57

Tgt Ion:119 Resp: 87531
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 27.3 11.4 34.1





#89

n-Butylbenzene

Concen: 0.353 ug/l

RT: 14.002 min Scan# 4457

Delta R.T. 0.059 min

Lab File: VN070201.D

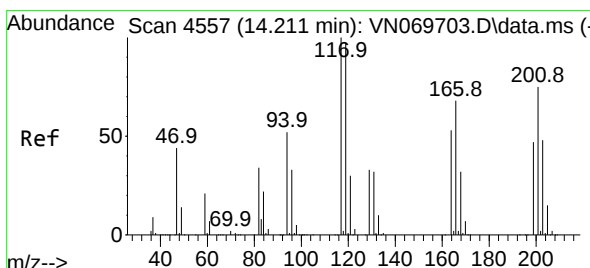
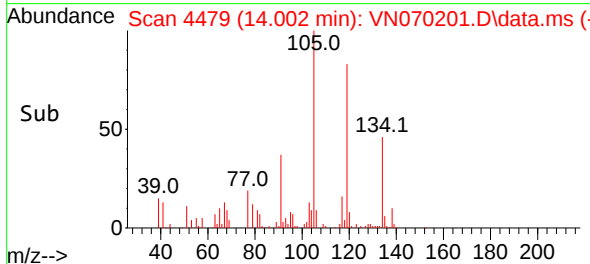
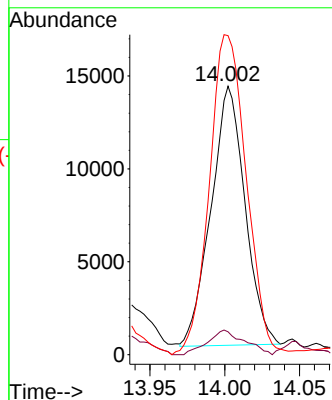
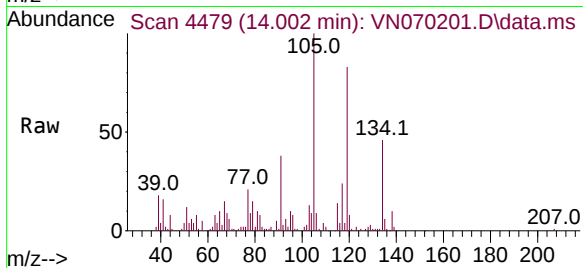
Acq: 18 Dec 2021 7:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	22094
Ion Ratio	Lower	Upper	
91	100		
92	10.3	25.4	76.0#
134	134.6	13.6	40.8#



#90

Hexachloroethane

Concen: 19.224 ug/l

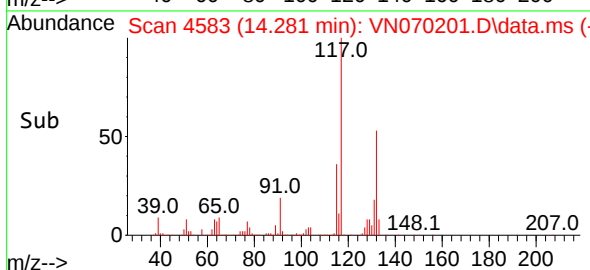
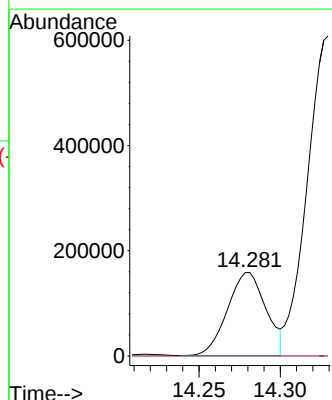
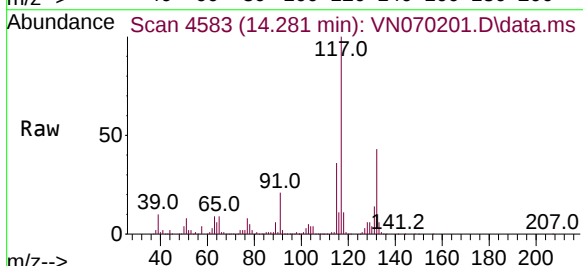
RT: 14.281 min Scan# 4583

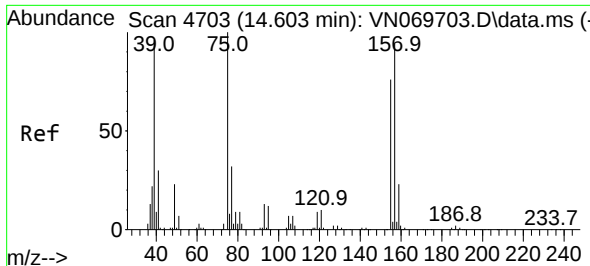
Delta R.T. 0.070 min

Lab File: VN070201.D

Acq: 18 Dec 2021 7:57

Tgt Ion:	117	Resp:	260573
Ion Ratio	Lower	Upper	
117	100		
201	0.0	43.9	131.6#

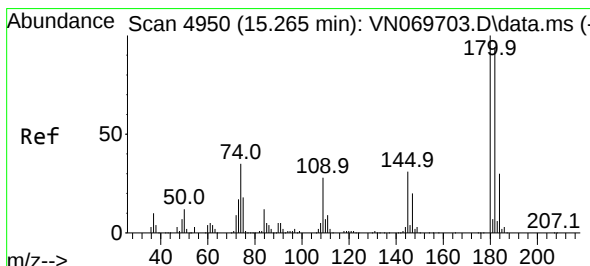
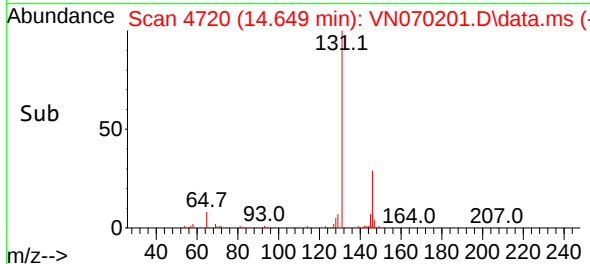
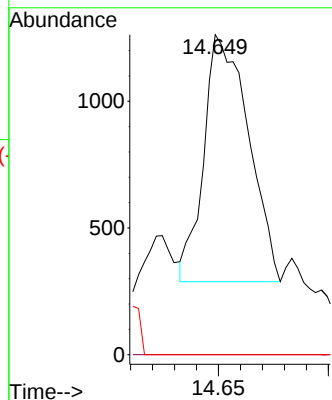
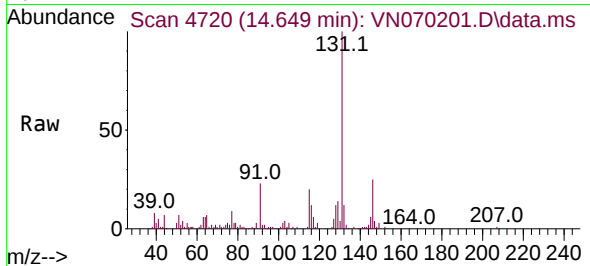




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.216 ug/l
RT: 14.649 min Scan# 41
Delta R.T. 0.046 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

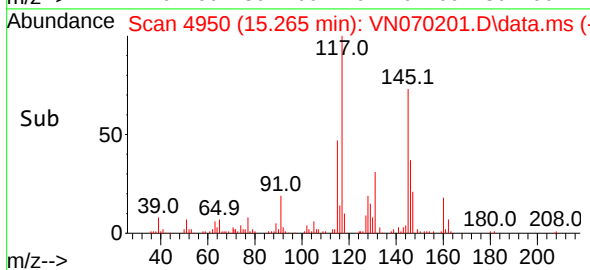
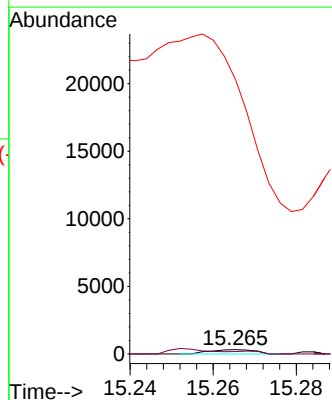
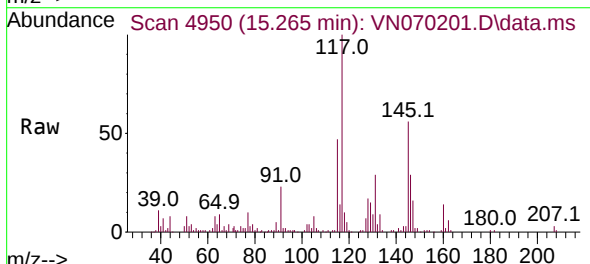
Instrument :
MSVOA_N
ClientSampleId :

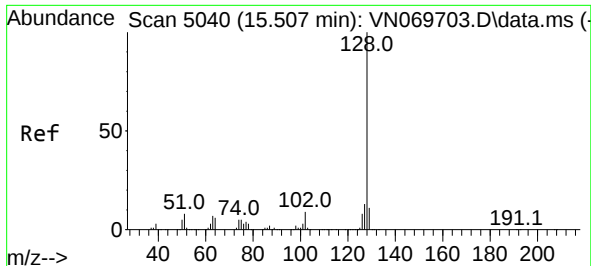
Tgt Ion: 75 Resp: 1378
Ion Ratio Lower Upper
75 100
155 0.0 46.9 140.7#
157 0.0 60.6 181.7#



#93
1,2,4-Trichlorobenzene
Concen: 2.890 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Tgt Ion:180 Resp: 244
Ion Ratio Lower Upper
180 100
182 105.3 48.3 144.9
145 23427.5 14.5 43.5#

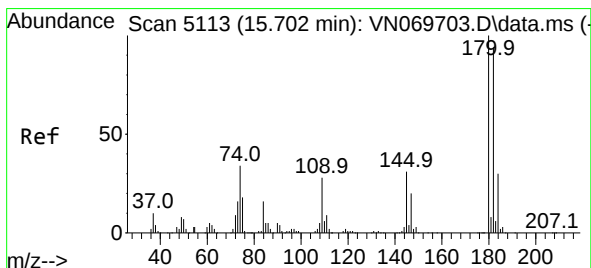
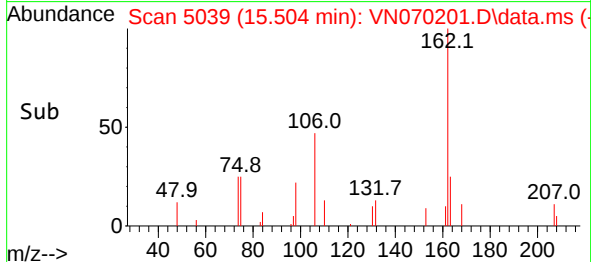
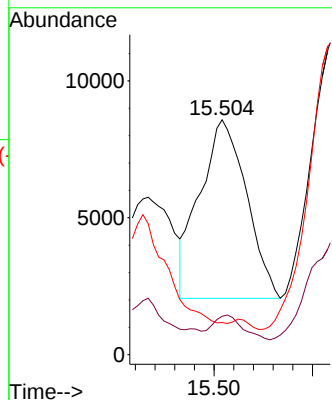
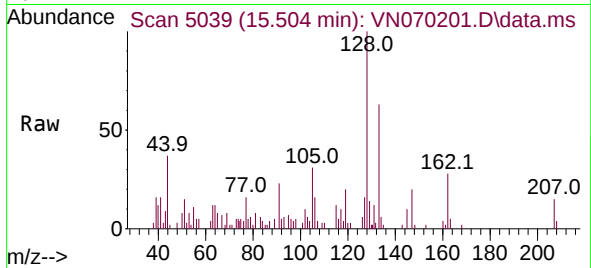




#95
Naphthalene
Concen: 4.162 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 10758
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.453 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070201.D
Acq: 18 Dec 2021 7:57

Tgt Ion:180 Resp: 340
Ion Ratio Lower Upper
180 100
182 73.8 47.4 142.2
145 0.0 15.0 45.1#

