

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070521.D
 Acq On : 6 Jan 2022 16:02
 Operator : JC/MD
 Sample : N1012-12DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:39:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

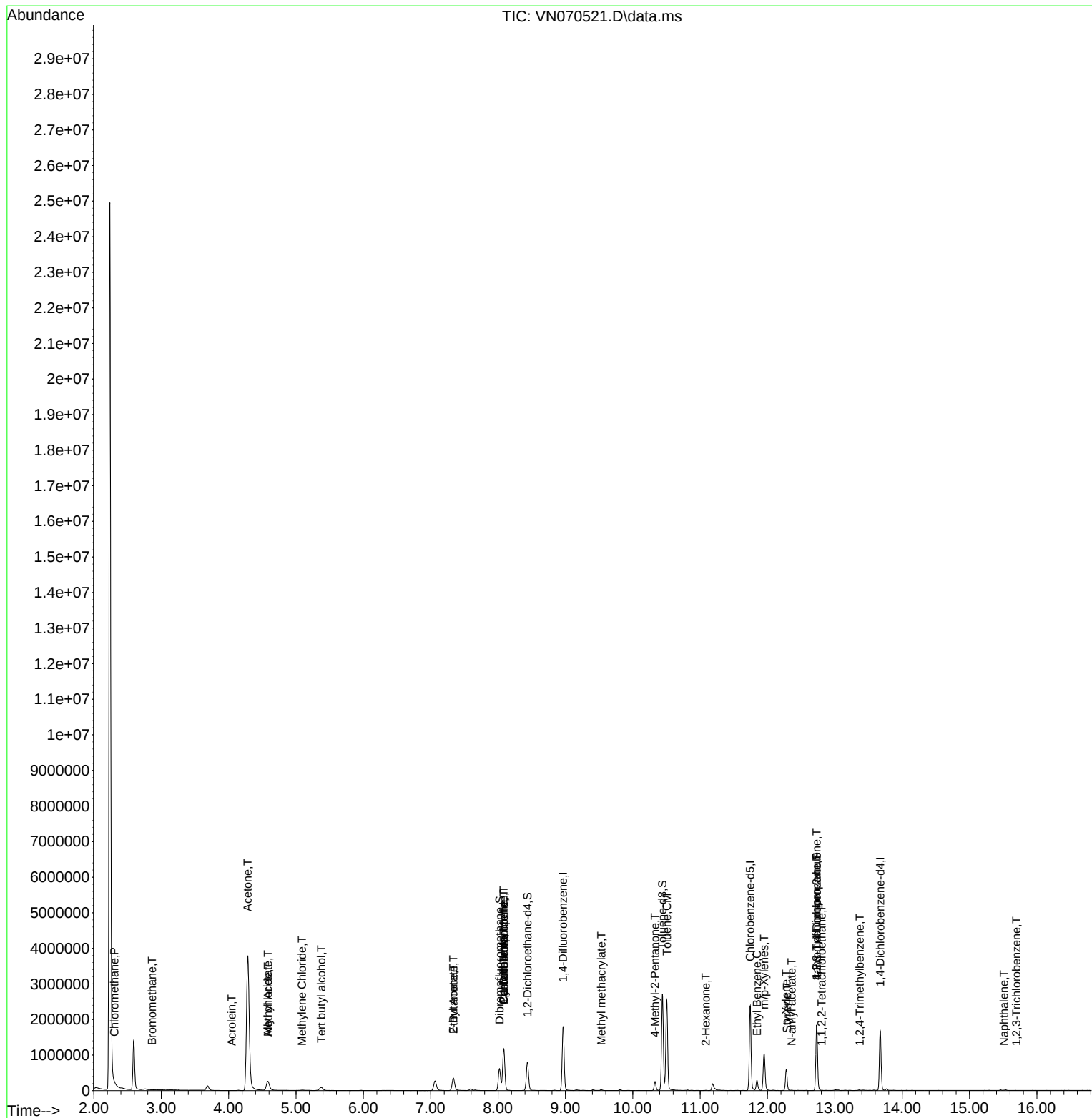
Internal Standards						
1) Pentafluorobenzene	8.086	168	920701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1547388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1396206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	474148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	662684	50.060	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.120%			
35) Dibromofluoromethane	8.021	113	468359	50.025	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.060%			
50) Toluene-d8	10.440	98	1898509	49.639	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.280%			
62) 4-Bromofluorobenzene	12.731	95	691854	50.084	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.160%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	4300	0.303	ug/l	94
5) Bromomethane	2.861	94	1372	0.206	ug/l #	60
11) Tert butyl alcohol	5.377	59	166097	75.355	ug/l	98
13) Acrolein	4.044	56	865	0.484	ug/l	94
14) Allyl chloride	4.583	41	42080	1.979	ug/l #	78
16) Acetone	4.283	43	7230224	841.362	ug/l	98
18) Methyl Acetate	4.583	43	112033	4.507	ug/l #	51
20) Methylene Chloride	5.090	84	3229	0.272	ug/l #	80
25) 2-Butanone	7.335	43	626313	57.883	ug/l	91
31) Cyclohexane	8.083	56	21017	1.006	ug/l #	4
36) 1,1-Dichloropropene	8.083	75	73103	4.720	ug/l #	48
37) Ethyl Acetate	7.335	43	626313	31.198	ug/l #	68
38) Carbon Tetrachloride	8.083	117	87662	5.927	ug/l #	16
48) Methyl methacrylate	9.534	41	7238	0.479	ug/l #	32
51) 4-Methyl-2-Pentanone	10.330	43	192221	9.665	ug/l	95
52) Toluene	10.505	92	1131866	39.382	ug/l	98
59) 2-Hexanone	11.084	43	6793	0.468	ug/l	74
67) Ethyl Benzene	11.843	91	202935	3.739	ug/l	96
68) m/p-Xylenes	11.950	106	341058	17.262	ug/l	94
69) o-Xylene	12.277	106	161353	8.210	ug/l	91
70) Styrene	12.291	104	19276	0.620	ug/l #	1
74) N-amyl acetate	12.358	43	5296	0.286	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.806	83	57	0.451	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	358806	26.897	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	358806	92.456	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	9087	0.267	ug/l	83
95) Naphthalene	15.512	128	7133	2.115	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.694	180	363	0.874	ug/l #	65

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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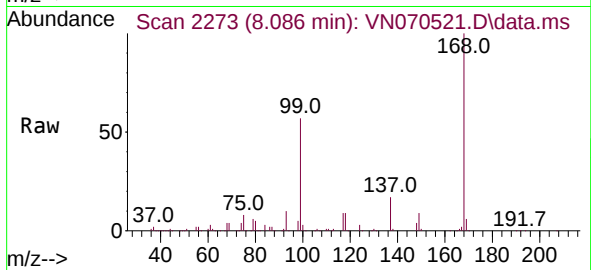
Quant Time: Jan 08 01:39:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



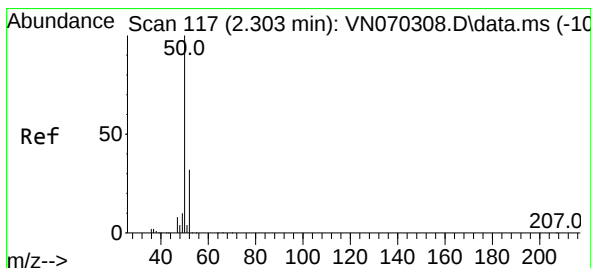
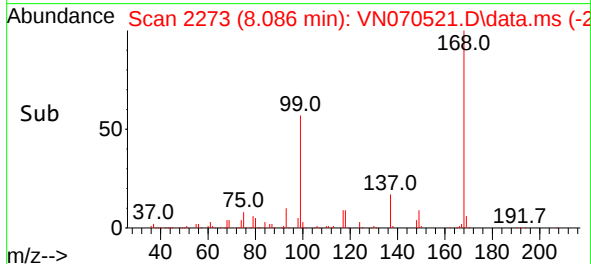
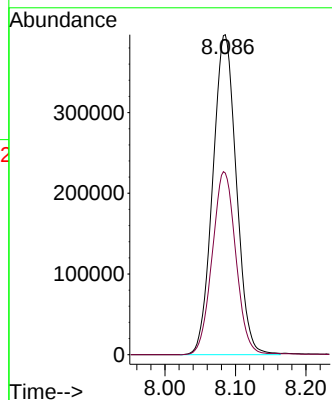


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

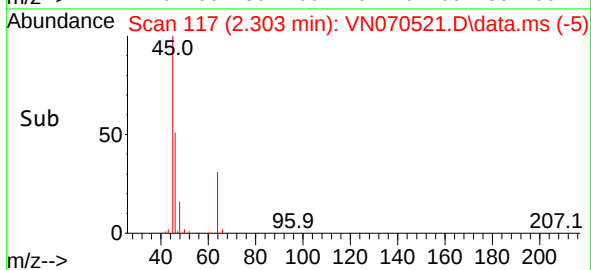
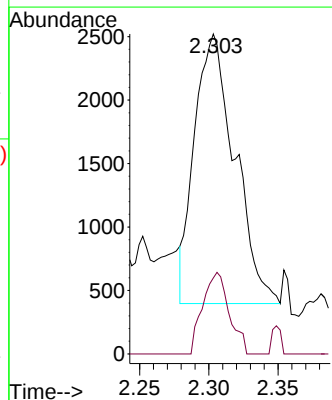
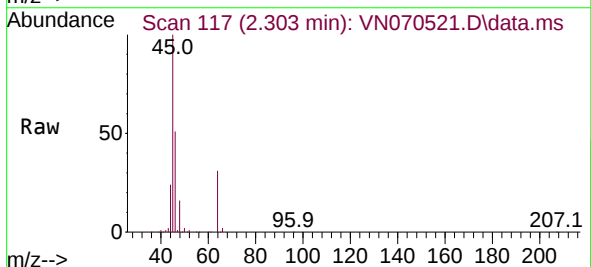


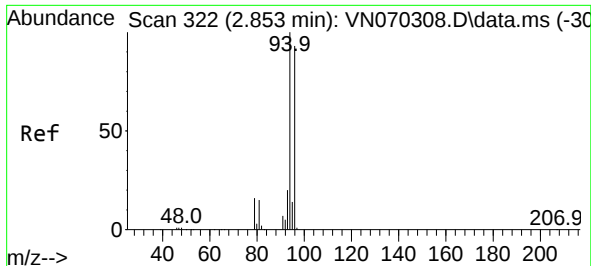
Tgt Ion:168 Resp: 920701
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

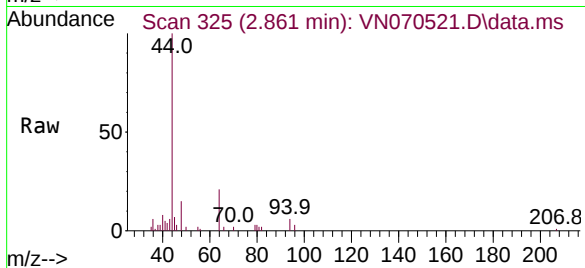
Tgt Ion: 50 Resp: 4300
Ion Ratio Lower Upper
50 100
52 28.2 25.4 38.0



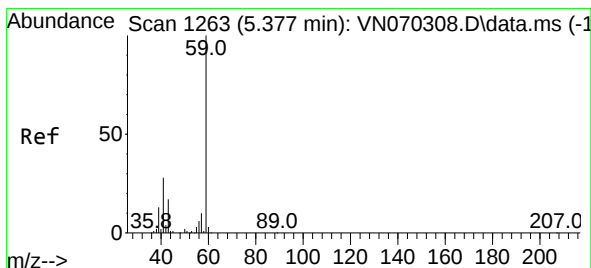
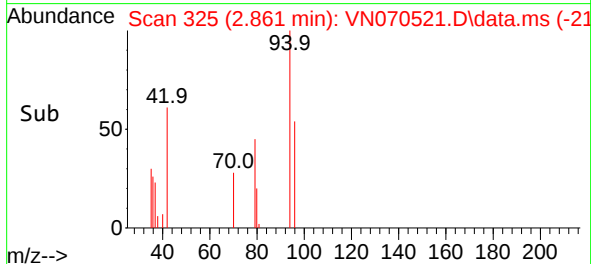
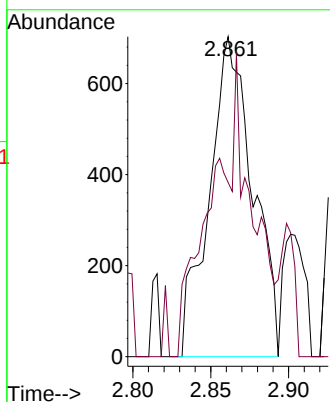


#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.861 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

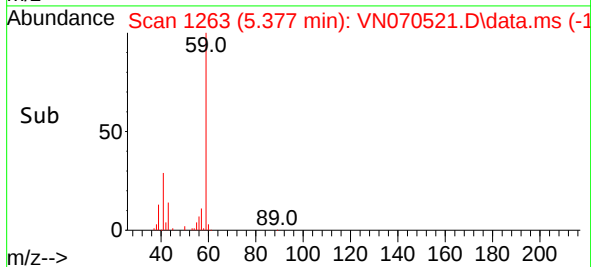
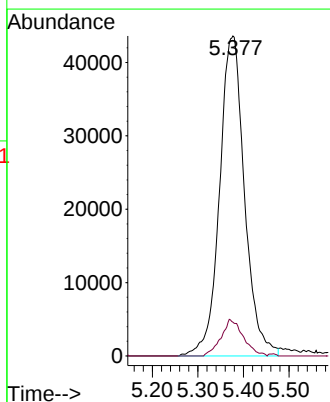
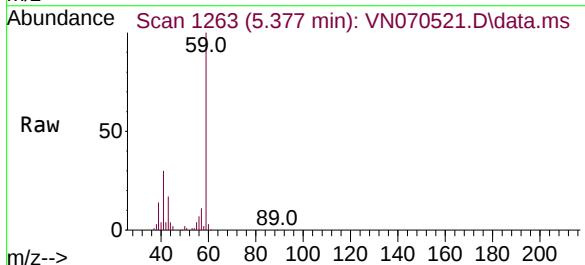


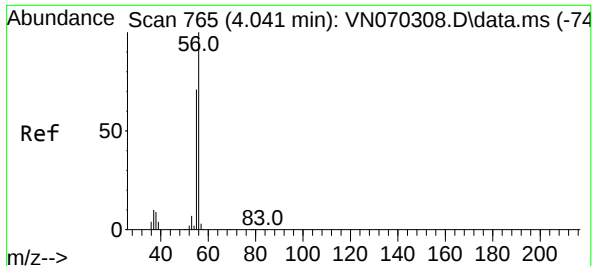
Tgt Ion: 94 Resp: 1372
Ion Ratio Lower Upper
94 100
96 54.5 73.8 110.8#



#11
Tert butyl alcohol
Concen: 75.355 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion: 59 Resp: 166097
Ion Ratio Lower Upper
59 100
57 10.0 8.7 13.1

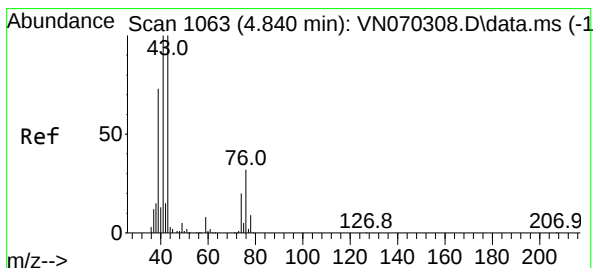
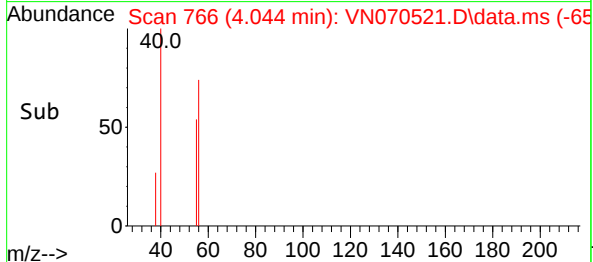
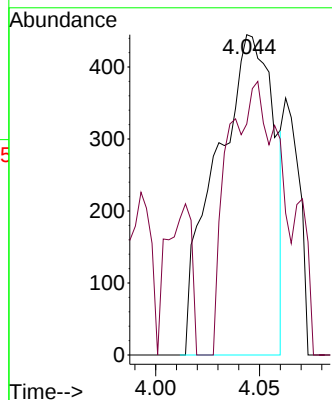
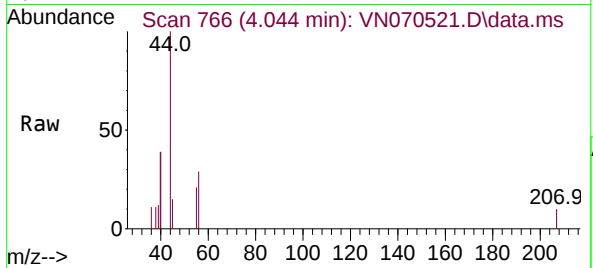




#13
Acrolein
Concen: 0.484 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

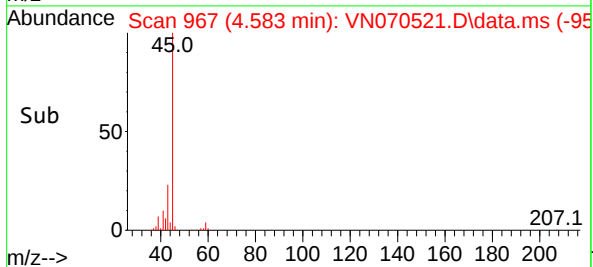
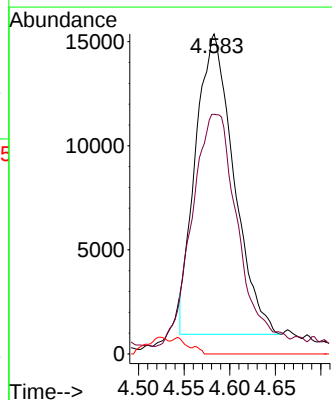
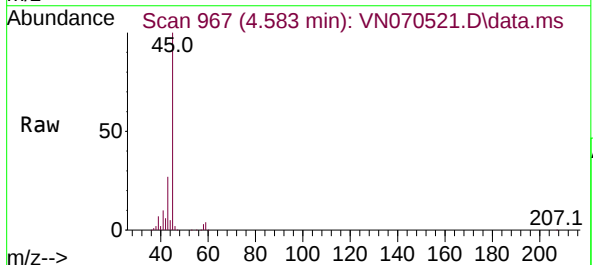
Instrument :
MSVOA_N
ClientSampleId :

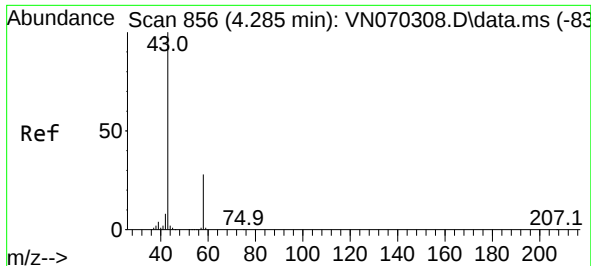
Tgt Ion: 56 Resp: 865
Ion Ratio Lower Upper
56 100
55 75.8 56.6 85.0



#14
Allyl chloride
Concen: 1.979 ug/l
RT: 4.583 min Scan# 967
Delta R.T. -0.257 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

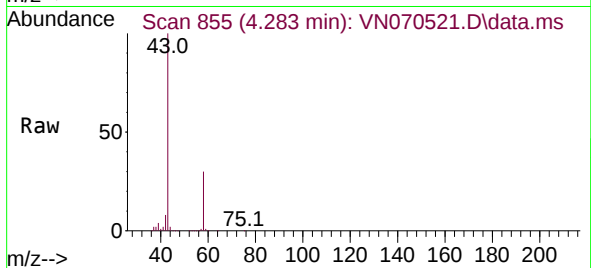
Tgt Ion: 41 Resp: 42080
Ion Ratio Lower Upper
41 100
39 82.6 61.2 91.8
76 0.0 26.0 39.0#



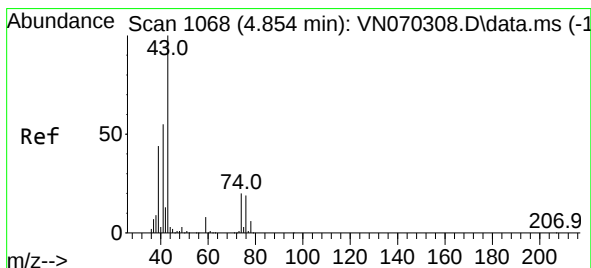
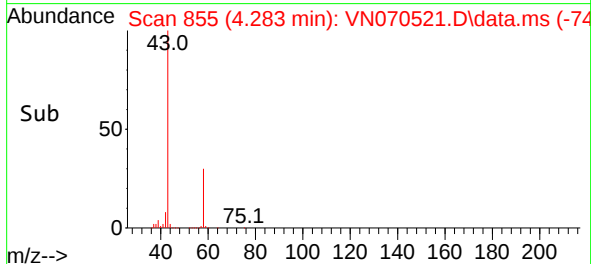
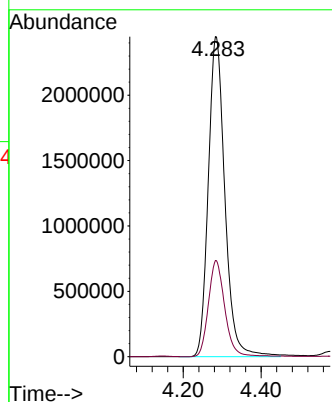


#16
Acetone
Concen: 841.362 ug/l
RT: 4.283 min Scan# 81
Delta R.T. -0.002 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

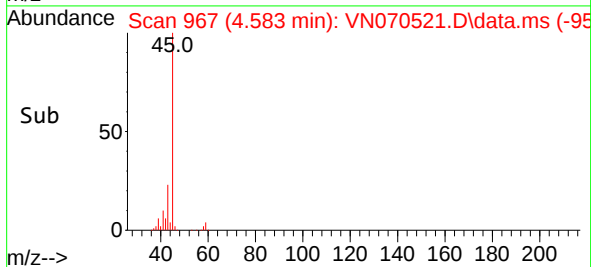
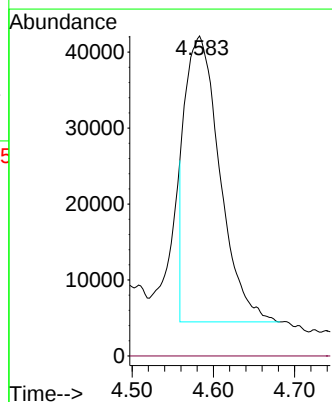
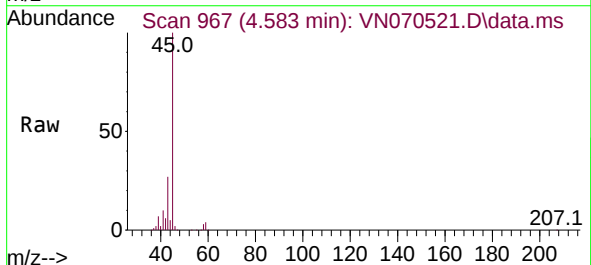


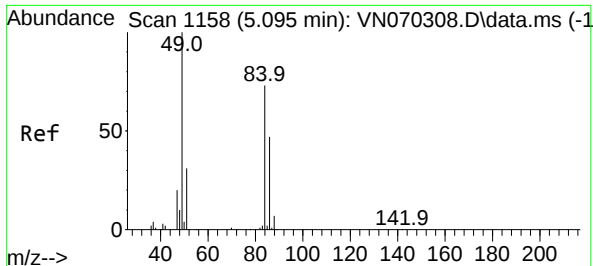
Tgt Ion: 43 Resp: 7230224
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7



#18
Methyl Acetate
Concen: 4.507 ug/l
RT: 4.583 min Scan# 967
Delta R.T. -0.271 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

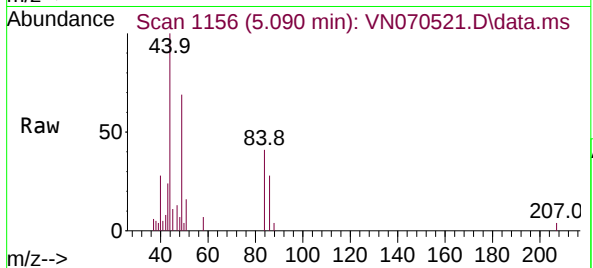
Tgt Ion: 43 Resp: 112033
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



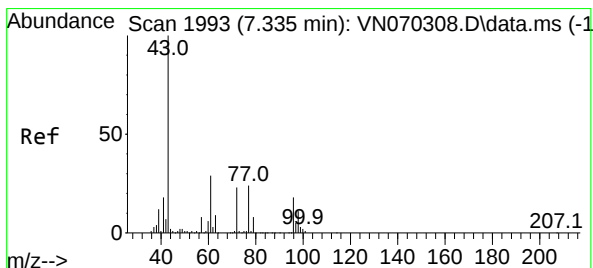
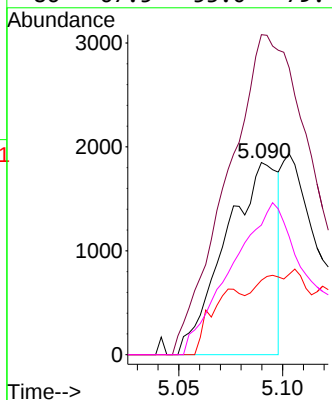
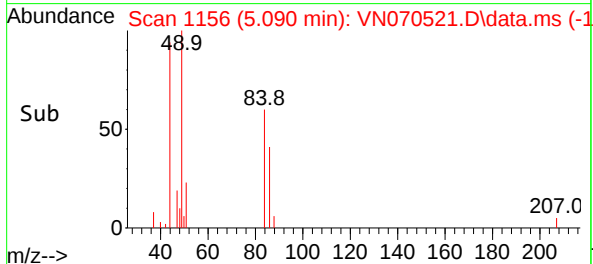


#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 5.090 min Scan# 1158
Delta R.T. -0.005 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

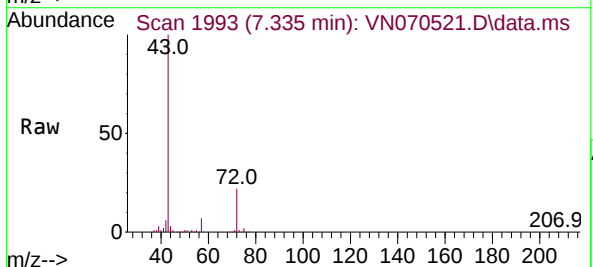
Instrument :
MSVOA_N
ClientSampleId :



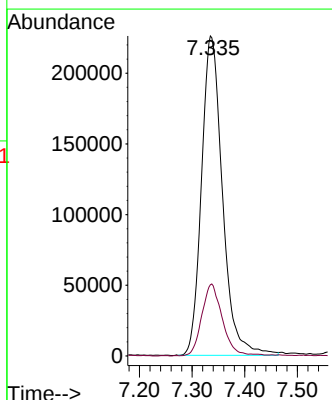
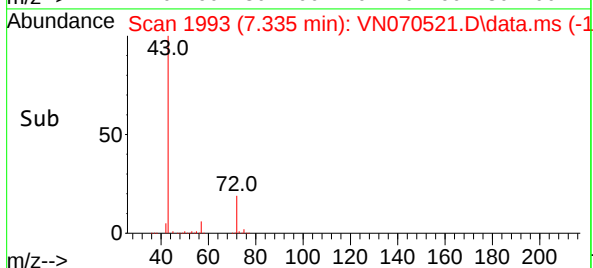
Tgt Ion: 84 Resp: 3229
Ion Ratio Lower Upper
84 100
49 156.7 93.5 140.3#
51 38.8 29.4 44.2
86 67.5 53.0 79.4

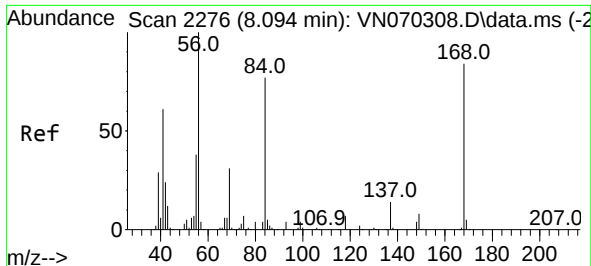


#25
2-Butanone
Concen: 57.883 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02



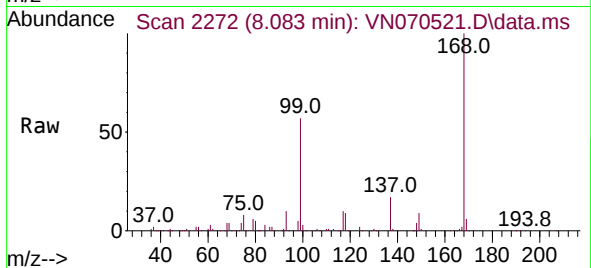
Tgt Ion: 43 Resp: 626313
Ion Ratio Lower Upper
43 100
72 22.2 21.7 32.5



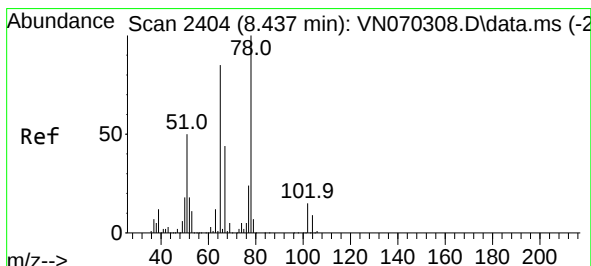
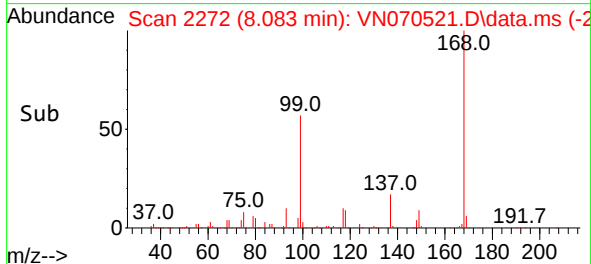
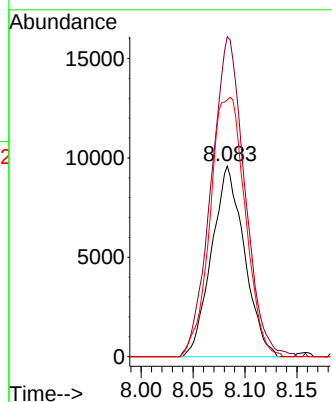


#31
Cyclohexane
Concen: 1.006 ug/l
RT: 8.083 min Scan# 21017
Delta R.T. -0.011 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

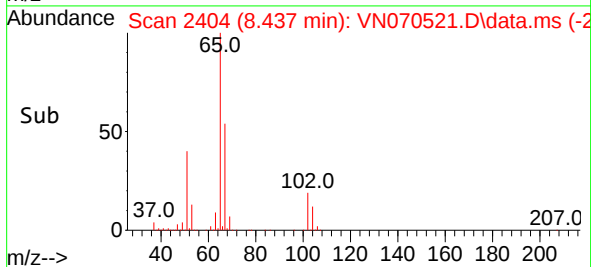
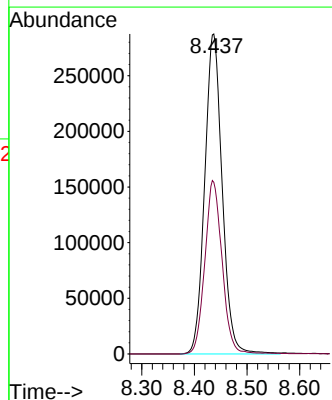
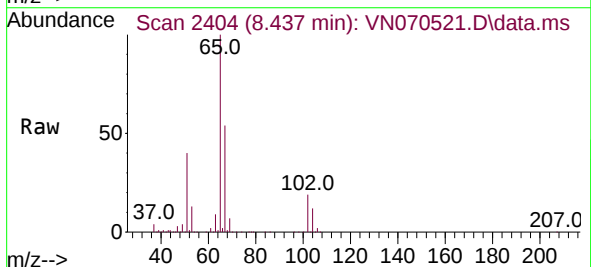


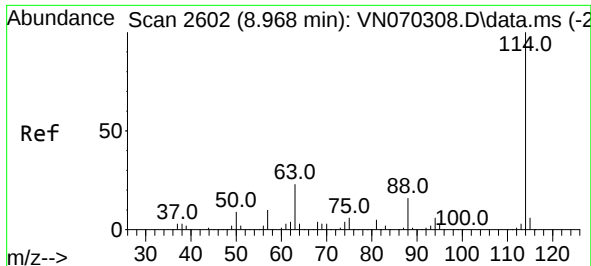
Tgt Ion: 56 Resp: 21017
Ion Ratio Lower Upper
56 100
69 167.9 27.1 40.7#
84 134.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.060 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion: 65 Resp: 662684
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN070521.D

Acq: 6 Jan 2022 16:02

Instrument :

MSVOA_N

ClientSampleId :

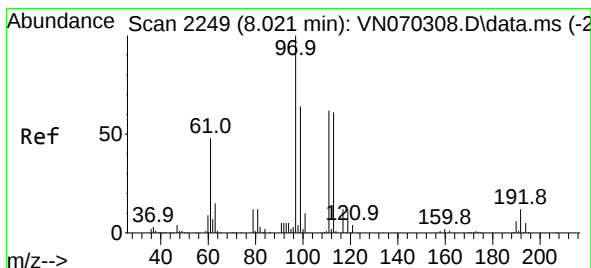
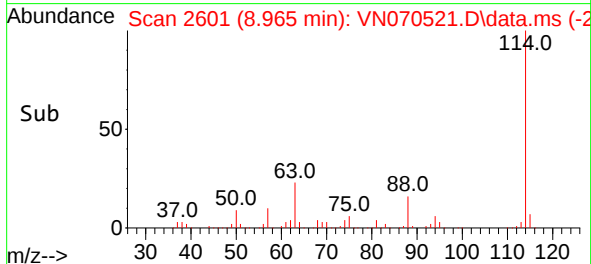
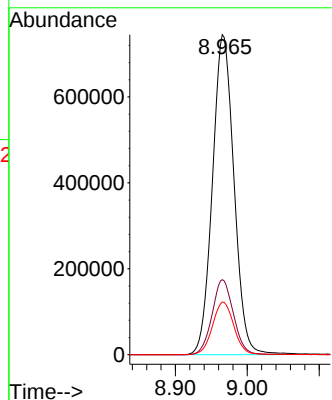
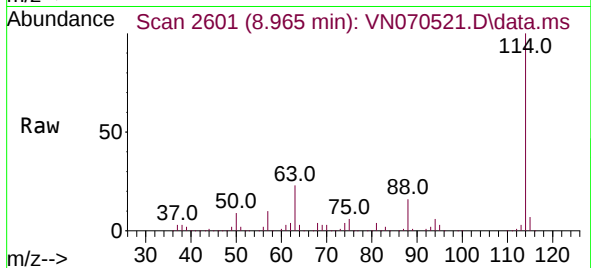
Tgt Ion:114 Resp: 1547388

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 50.025 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070521.D

Acq: 6 Jan 2022 16:02

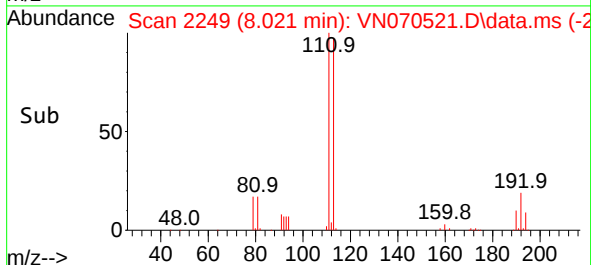
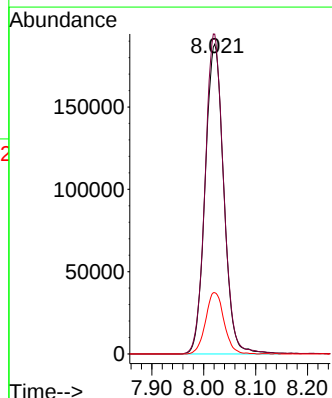
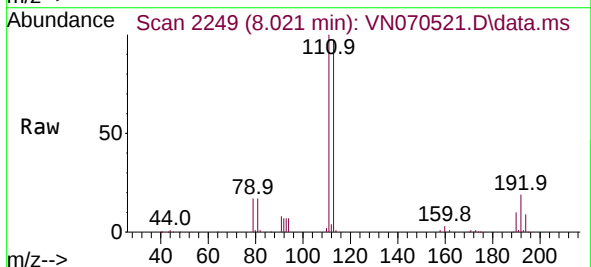
Tgt Ion:113 Resp: 468359

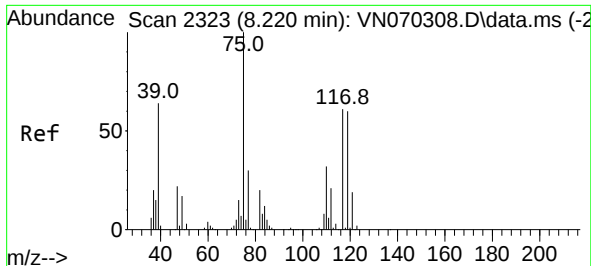
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

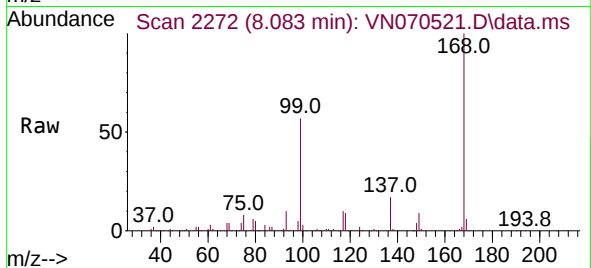
192 19.6 16.9 25.3



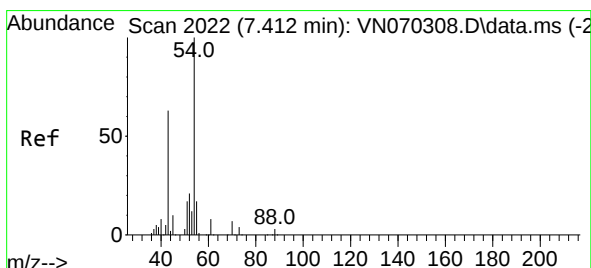
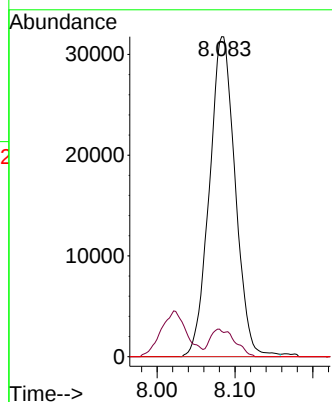
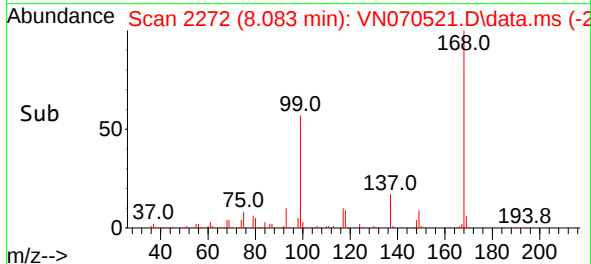


#36
1,1-Dichloropropene
Concen: 4.720 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

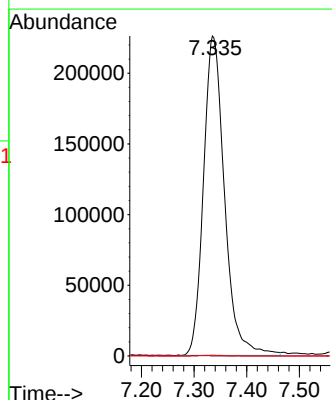
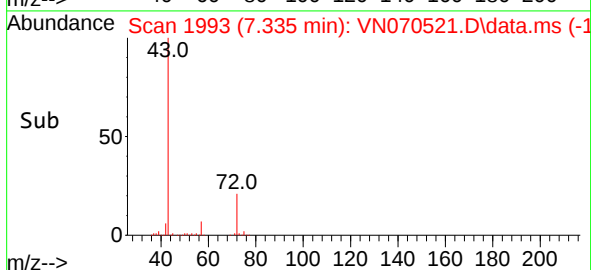
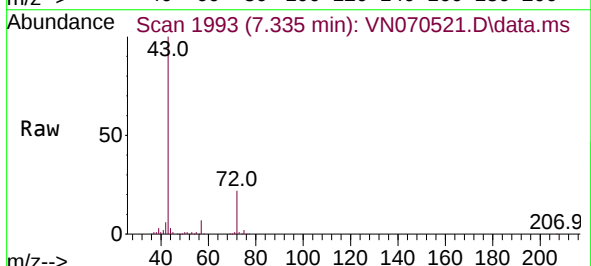


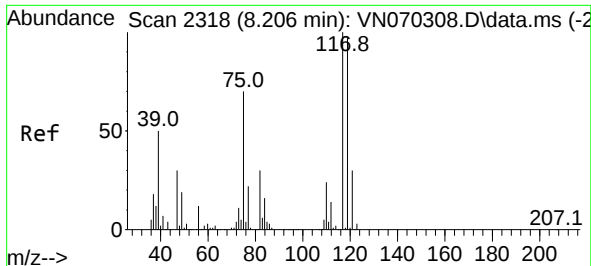
Tgt Ion: 75 Resp: 73103
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 31.198 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.077 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

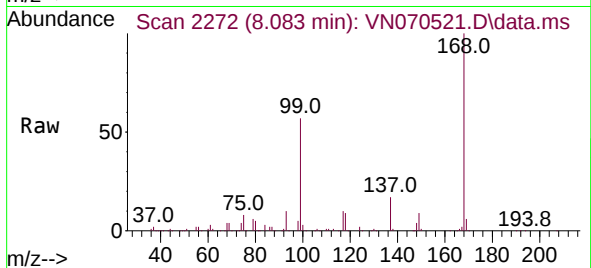
Tgt Ion: 43 Resp: 626313
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



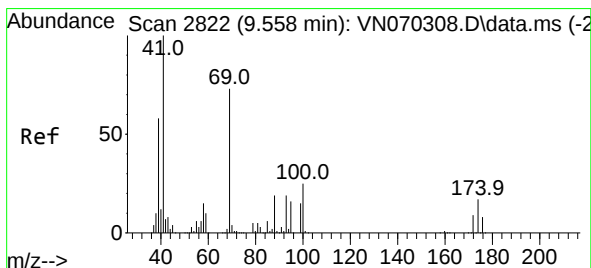
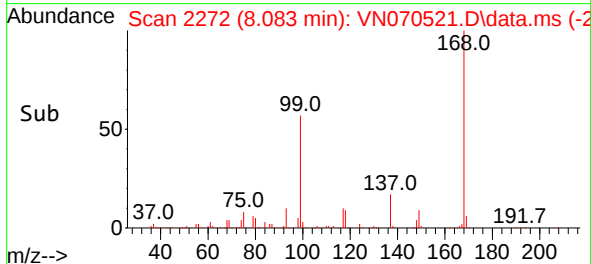
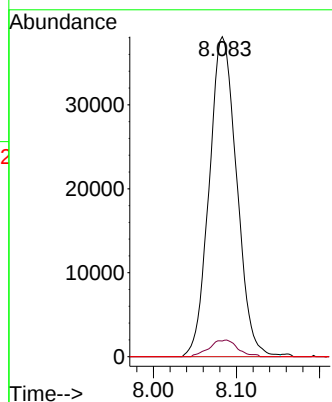


#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

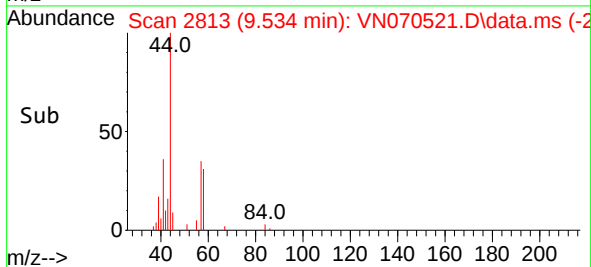
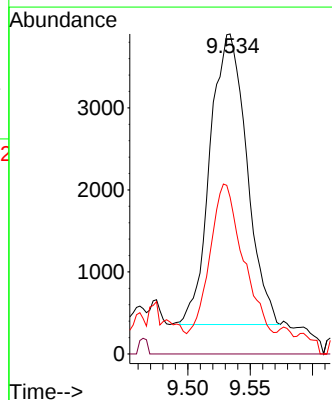
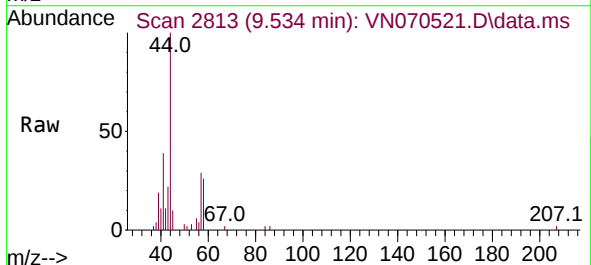


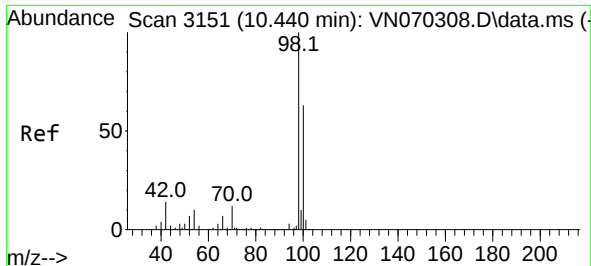
Tgt Ion:117 Resp: 87662
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 0.479 ug/l
RT: 9.534 min Scan# 2813
Delta R.T. -0.024 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion: 41 Resp: 7238
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 45.2 58.4 87.6#

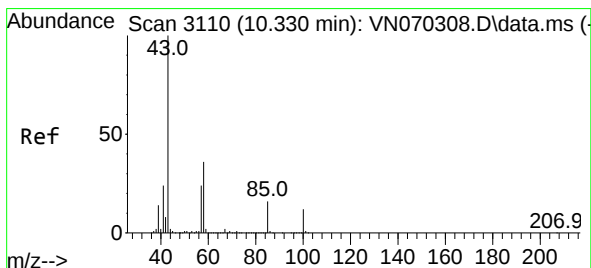
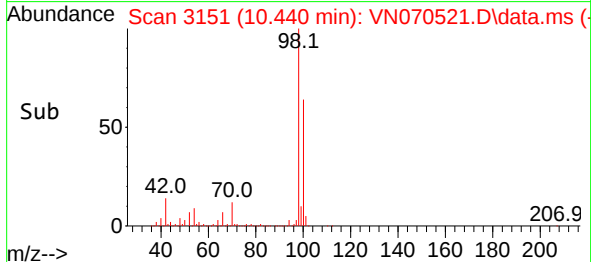
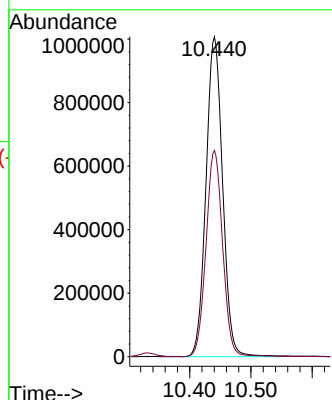
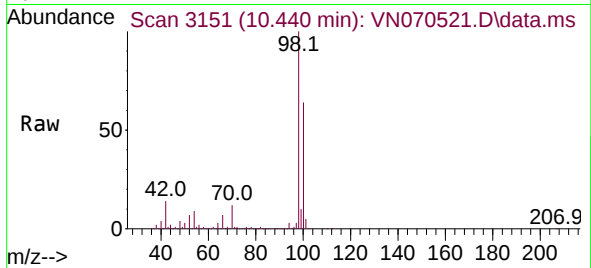




#50
Toluene-d8
Concen: 49.639 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

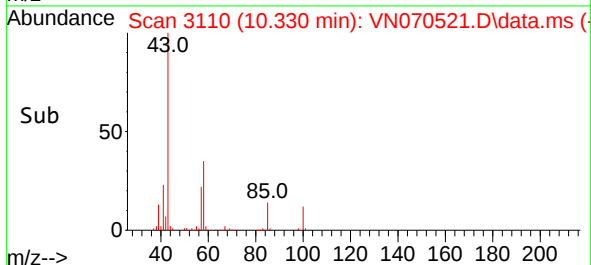
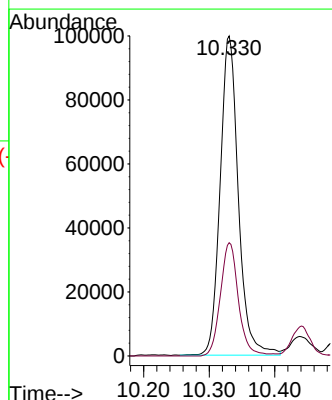
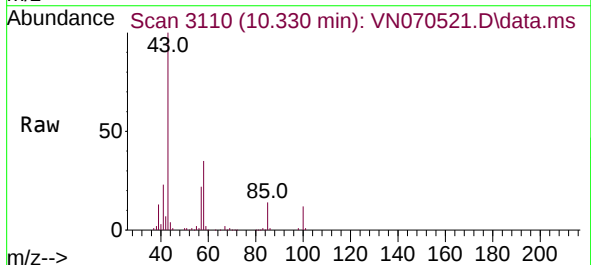
Instrument :
MSVOA_N
ClientSampleId :

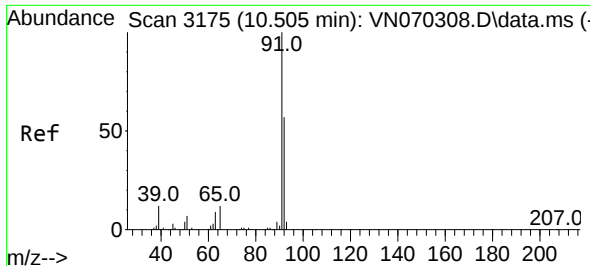
Tgt Ion: 98 Resp: 1898509
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 9.665 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

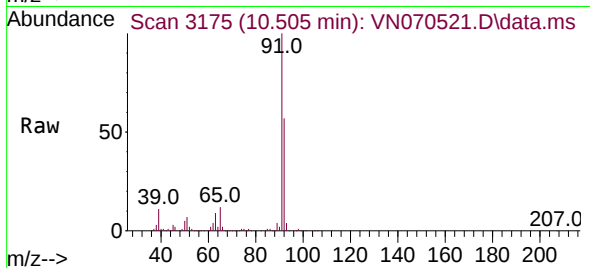
Tgt Ion: 43 Resp: 192221
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6



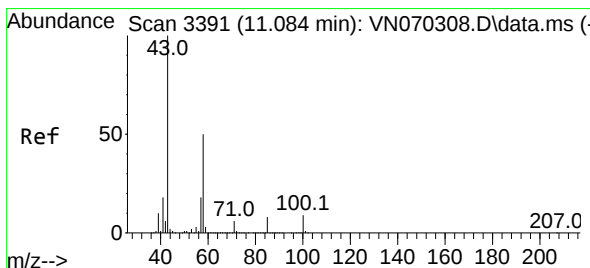
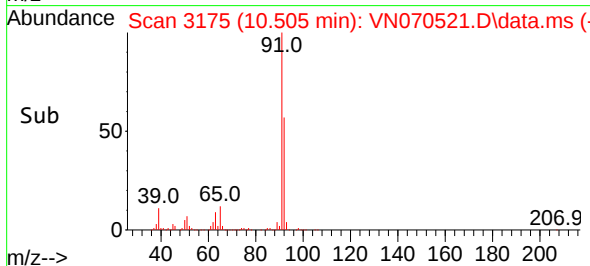
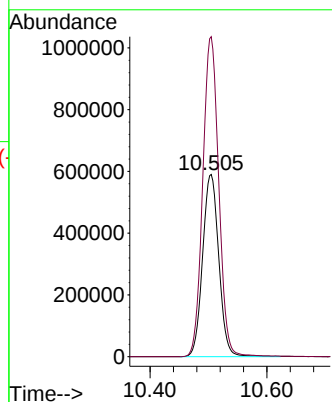


#52
Toluene
Concen: 39.382 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

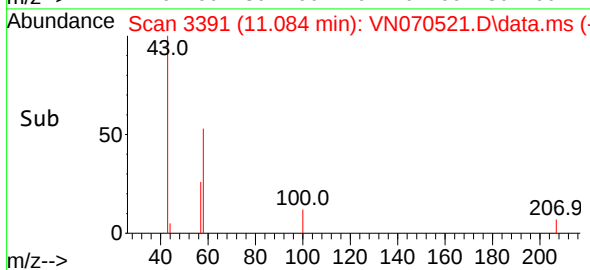
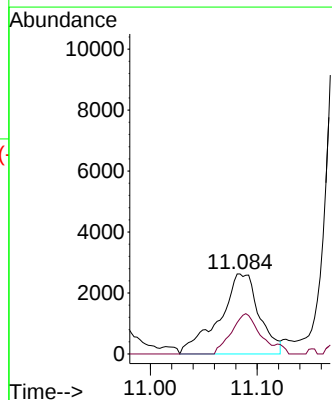
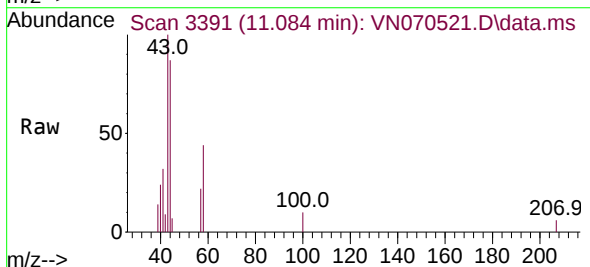


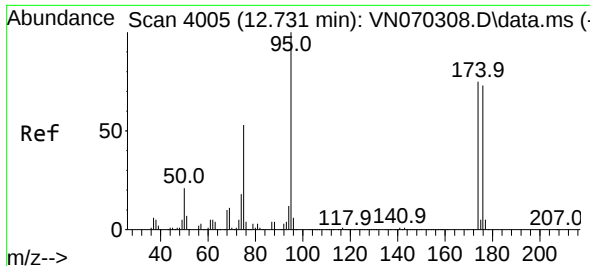
Tgt Ion: 92 Resp: 1131866
Ion Ratio Lower Upper
92 100
91 174.3 142.0 213.0



#59
2-Hexanone
Concen: 0.468 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion: 43 Resp: 6793
Ion Ratio Lower Upper
43 100
58 35.2 26.9 80.7

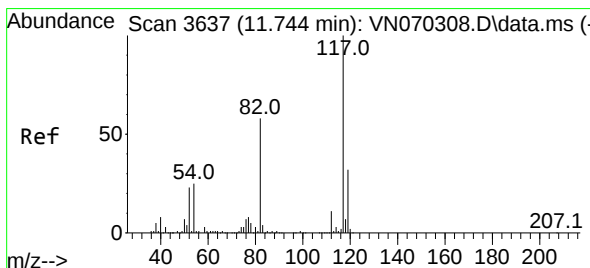
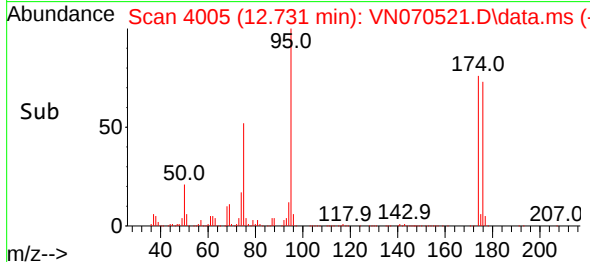
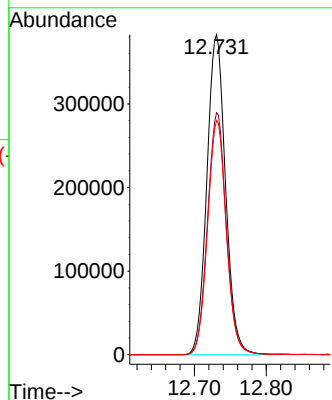
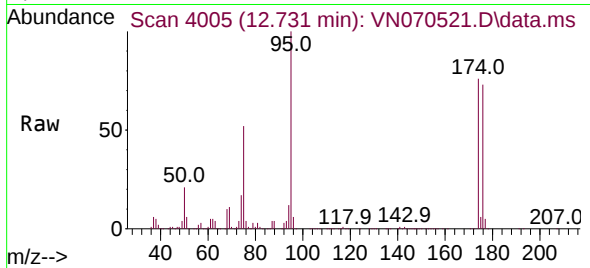




#62
4-Bromofluorobenzene
Concen: 50.084 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

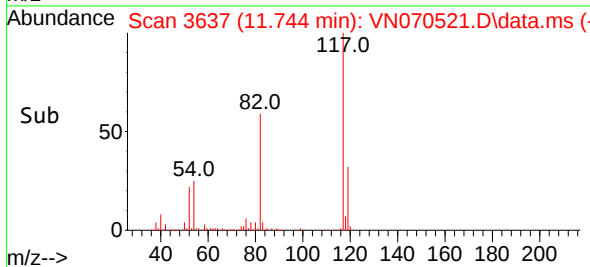
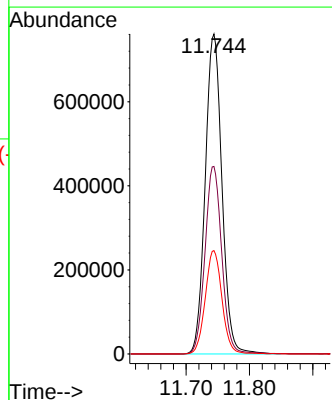
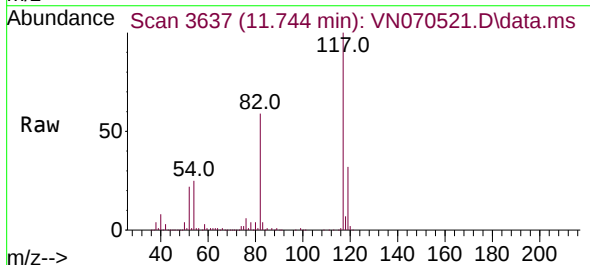
Instrument :
MSVOA_N
ClientSampleId :

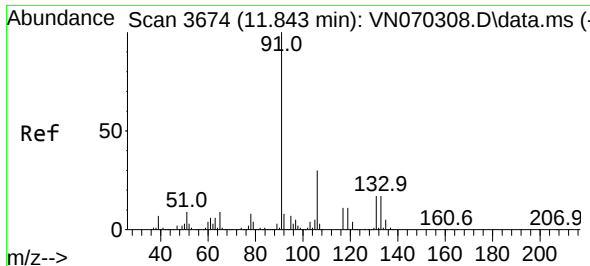
Tgt Ion: 95 Resp: 691854
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion: 117 Resp: 1396206
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.3 25.4 38.2

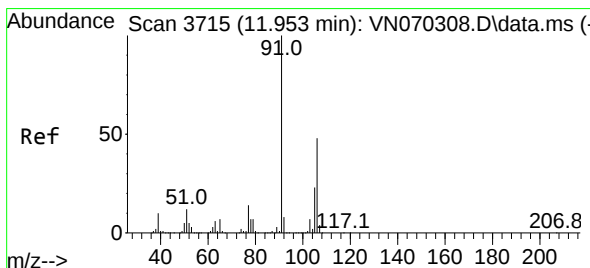
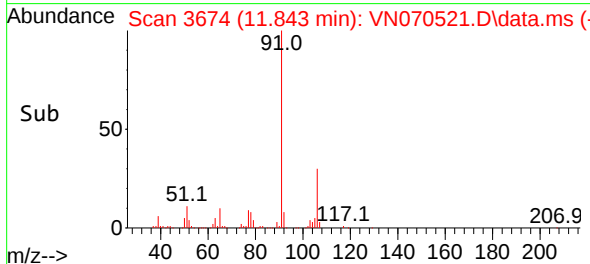
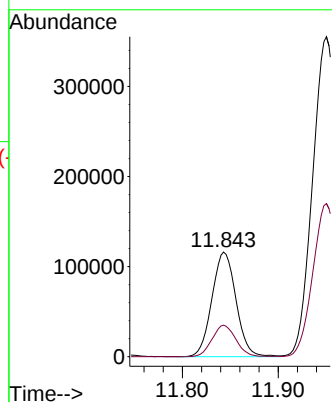
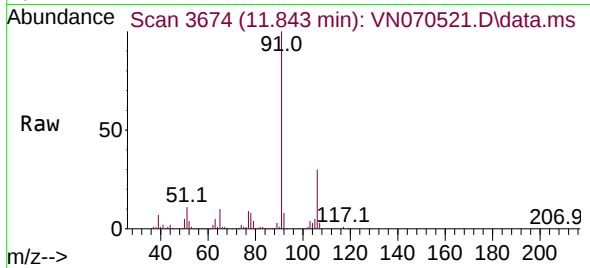




#67
Ethyl Benzene
Concen: 3.739 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

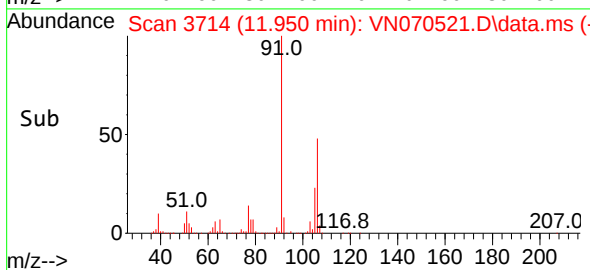
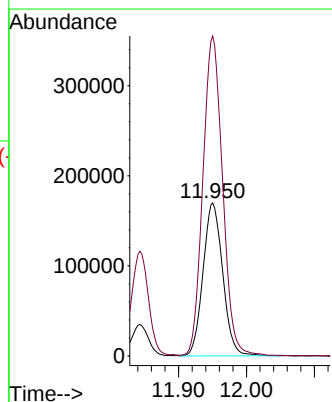
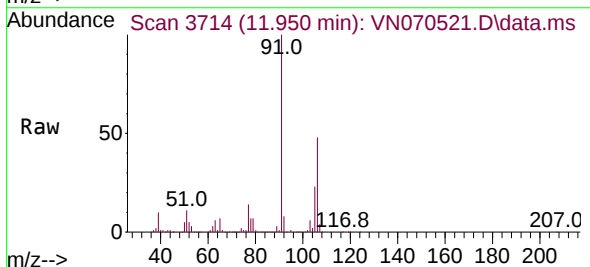
Instrument :
MSVOA_N
ClientSampleId :

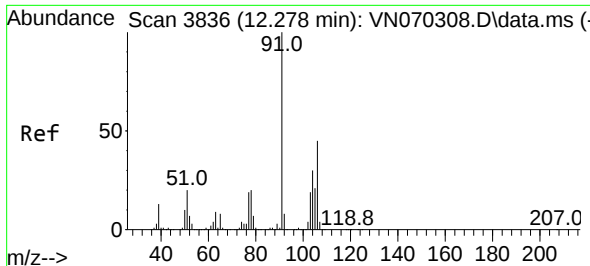
Tgt Ion: 91 Resp: 202935
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5



#68
m/p-Xylenes
Concen: 17.262 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion:106 Resp: 341058
Ion Ratio Lower Upper
106 100
91 210.1 160.6 240.8

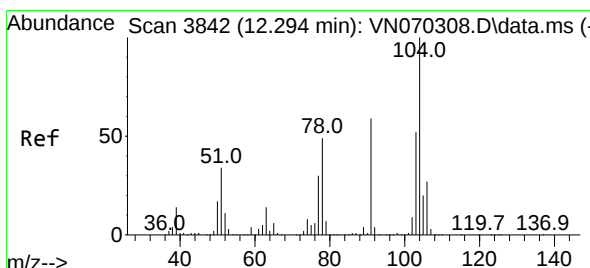
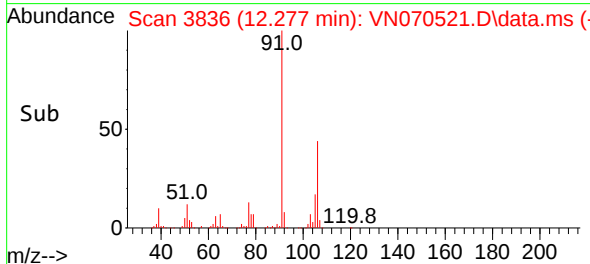
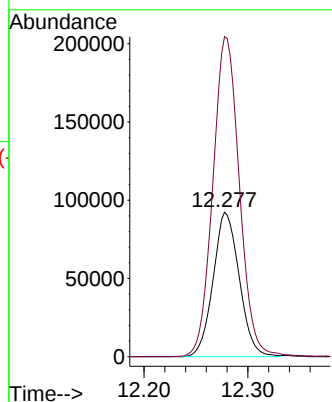
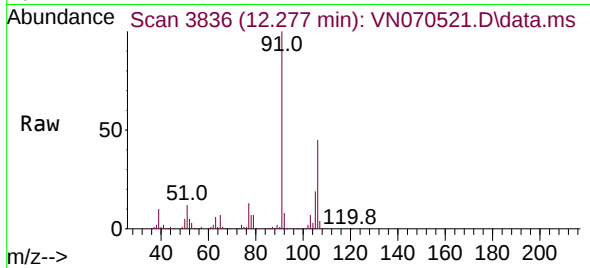




#69
o-Xylene
Concen: 8.210 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

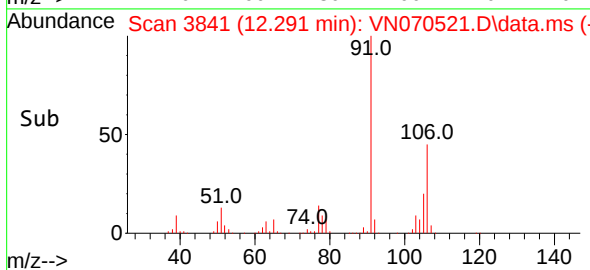
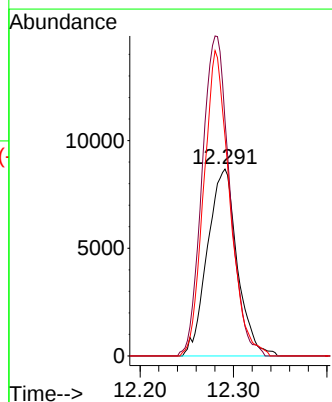
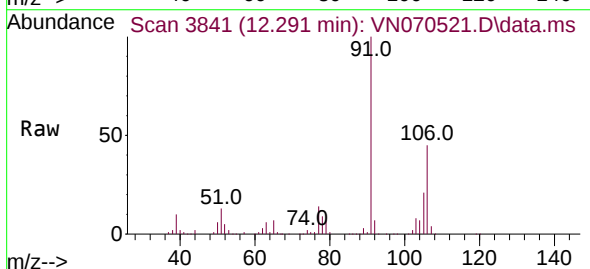
Instrument :
MSVOA_N
ClientSampleId :

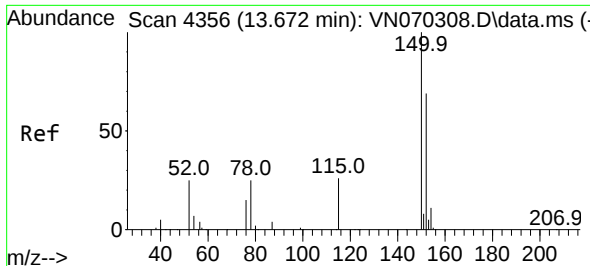
Tgt Ion:106 Resp: 161353
Ion Ratio Lower Upper
106 100
91 226.2 105.8 317.3



#70
Styrene
Concen: 0.620 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.003 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

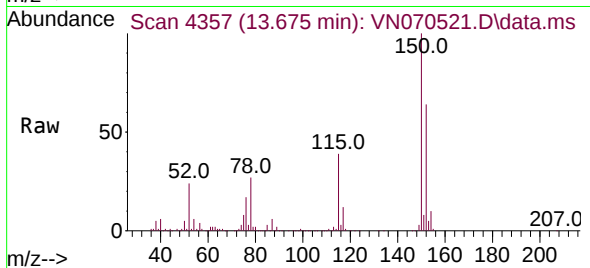
Tgt Ion:104 Resp: 19276
Ion Ratio Lower Upper
104 100
78 158.2 38.7 58.1#
103 141.6 45.0 67.6#



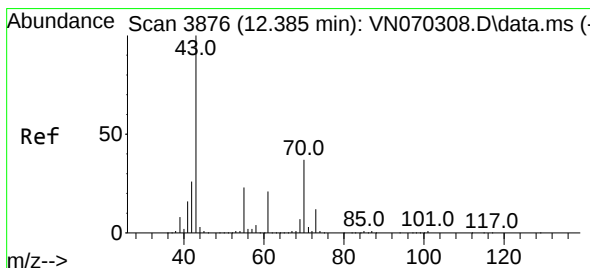
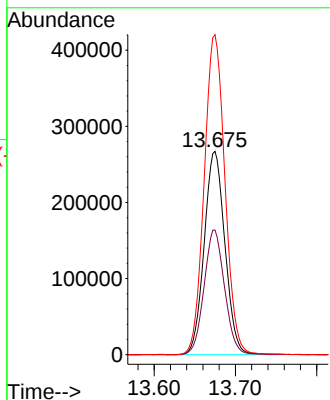
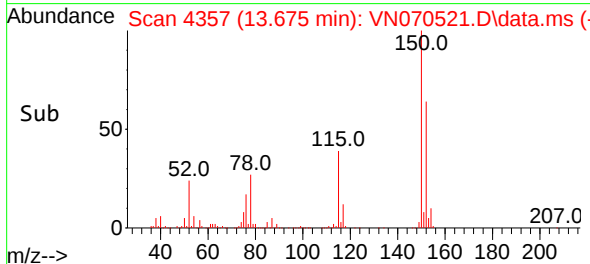


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070521.D
 Acq: 6 Jan 2022 16:02

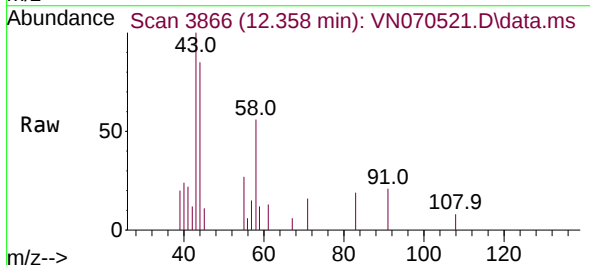
Instrument :
 MSVOA_N
 ClientSampleId :



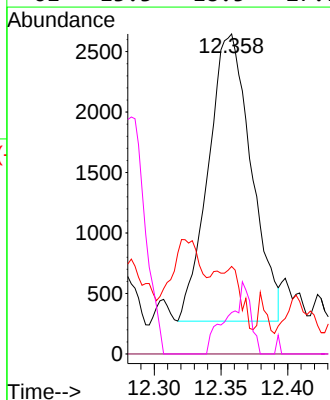
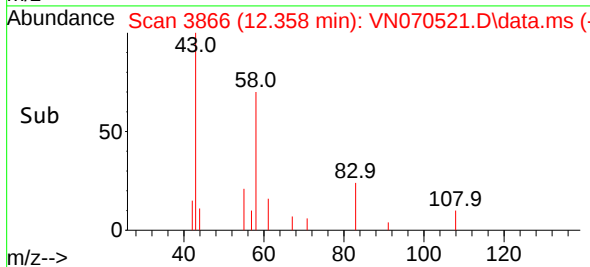
Tgt Ion:152 Resp: 474148
 Ion Ratio Lower Upper
 152 100
 115 60.6 27.5 82.5
 150 157.3 0.0 344.4

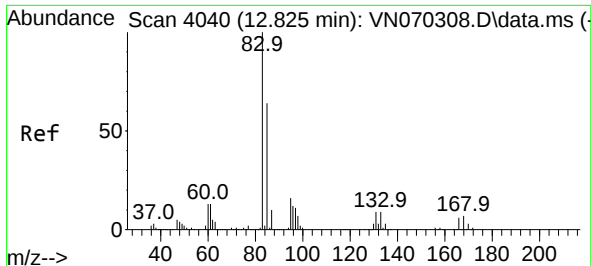


#74
 N-ethyl acetate
 Concen: 0.286 ug/l
 RT: 12.358 min Scan# 3866
 Delta R.T. -0.027 min
 Lab File: VN070521.D
 Acq: 6 Jan 2022 16:02



Tgt Ion: 43 Resp: 5296
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.4 50.0#
 55 0.0 19.3 28.9#
 61 13.3 18.5 27.7#

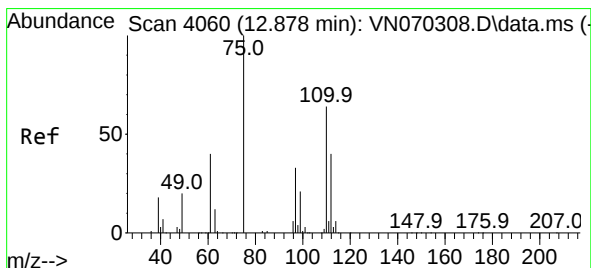
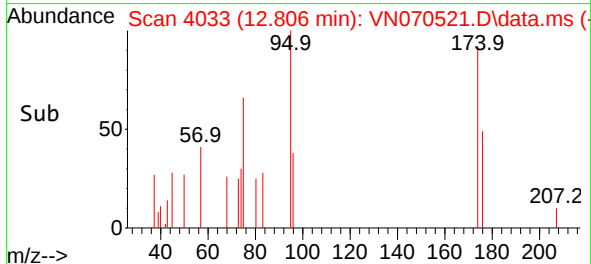
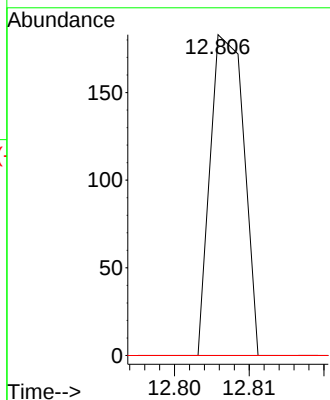
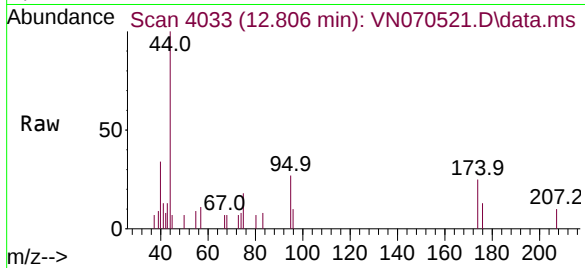




#75
1,1,2,2-Tetrachloroethane
Concen: 0.451 ug/l
RT: 12.806 min Scan# 4005
Delta R.T. -0.019 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

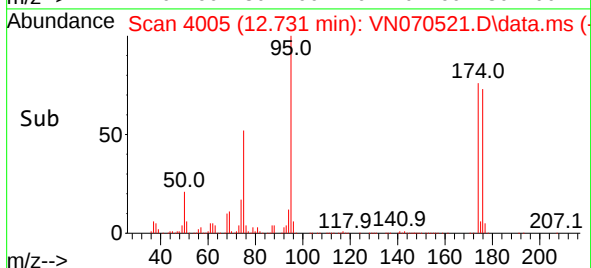
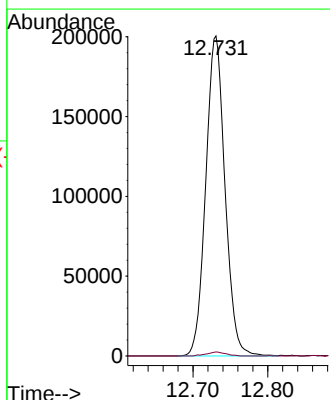
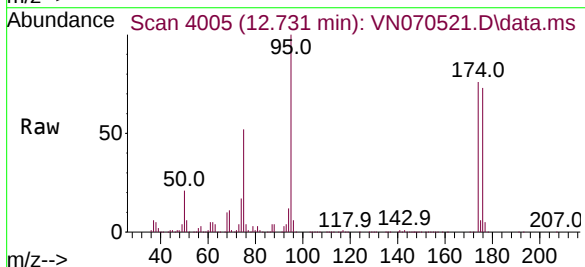
Instrument :
MSVOA_N
ClientSampleId :

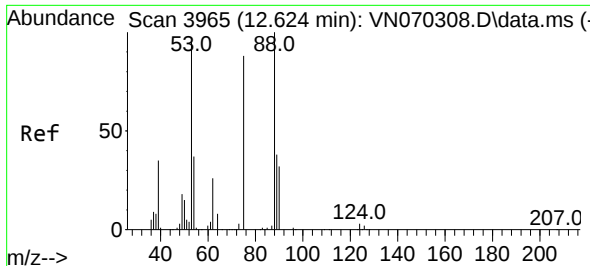
Tgt Ion: 83 Resp: 57
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.897 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

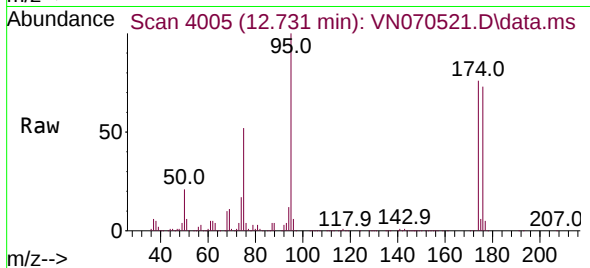
Tgt Ion: 75 Resp: 358806
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



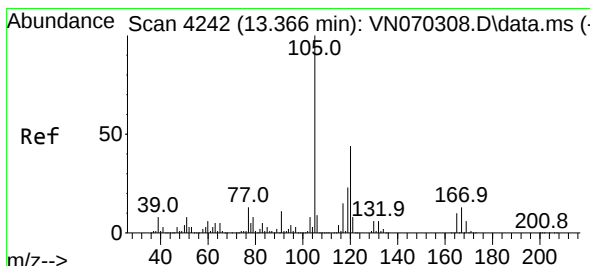
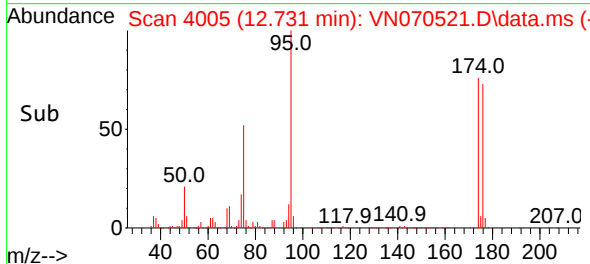
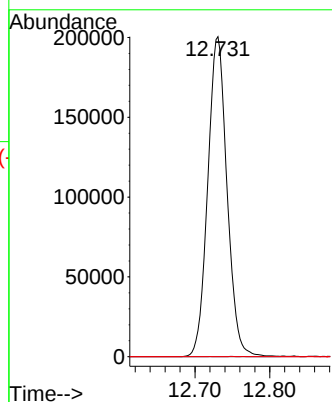


#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.456 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070521.D
 Acq: 6 Jan 2022 16:02

Instrument :
 MSVOA_N
 ClientSampleId :

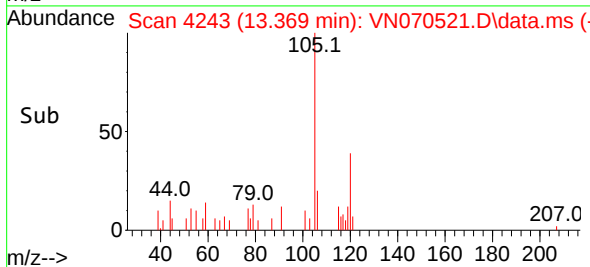
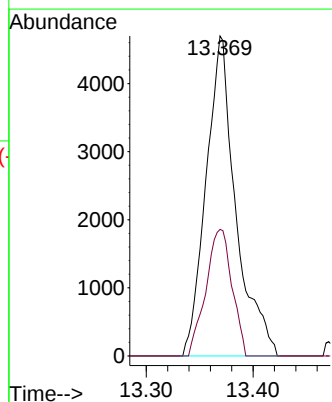
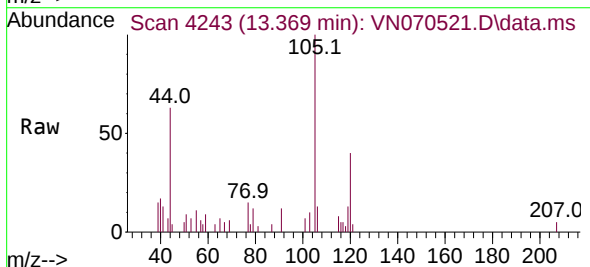


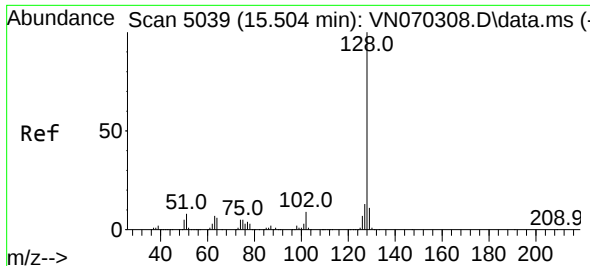
Tgt Ion: 75 Resp: 358806
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.267 ug/l
 RT: 13.369 min Scan# 4243
 Delta R.T. 0.003 min
 Lab File: VN070521.D
 Acq: 6 Jan 2022 16:02

Tgt Ion: 105 Resp: 9087
 Ion Ratio Lower Upper
 105 100
 120 34.5 22.8 68.4

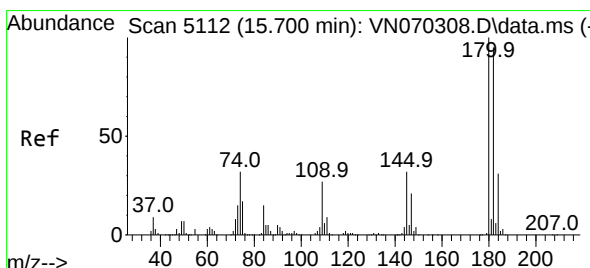
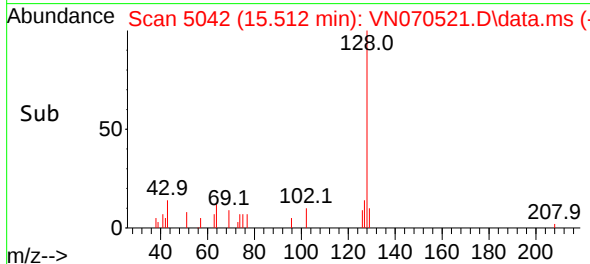
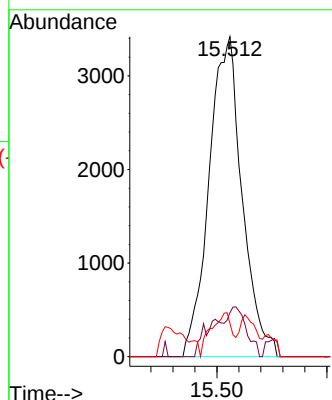
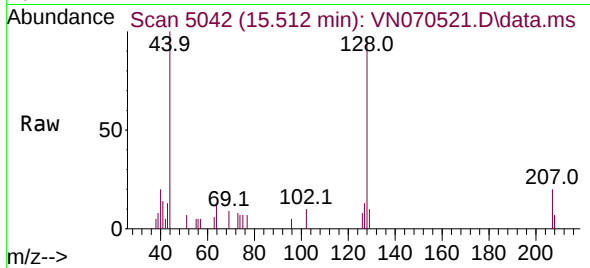




#95
Naphthalene
Concen: 2.115 ug/l
RT: 15.512 min Scan# 5039
Delta R.T. 0.008 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 7133
Ion Ratio Lower Upper
128 100
127 7.0 10.5 15.7#
129 8.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.874 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070521.D
Acq: 6 Jan 2022 16:02

Tgt Ion:180 Resp: 363
Ion Ratio Lower Upper
180 100
182 66.7 47.4 142.2
145 0.0 15.0 45.1#

