

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070518.D
 Acq On : 6 Jan 2022 14:46
 Operator : JC/MD
 Sample : N1012-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:38:56 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)

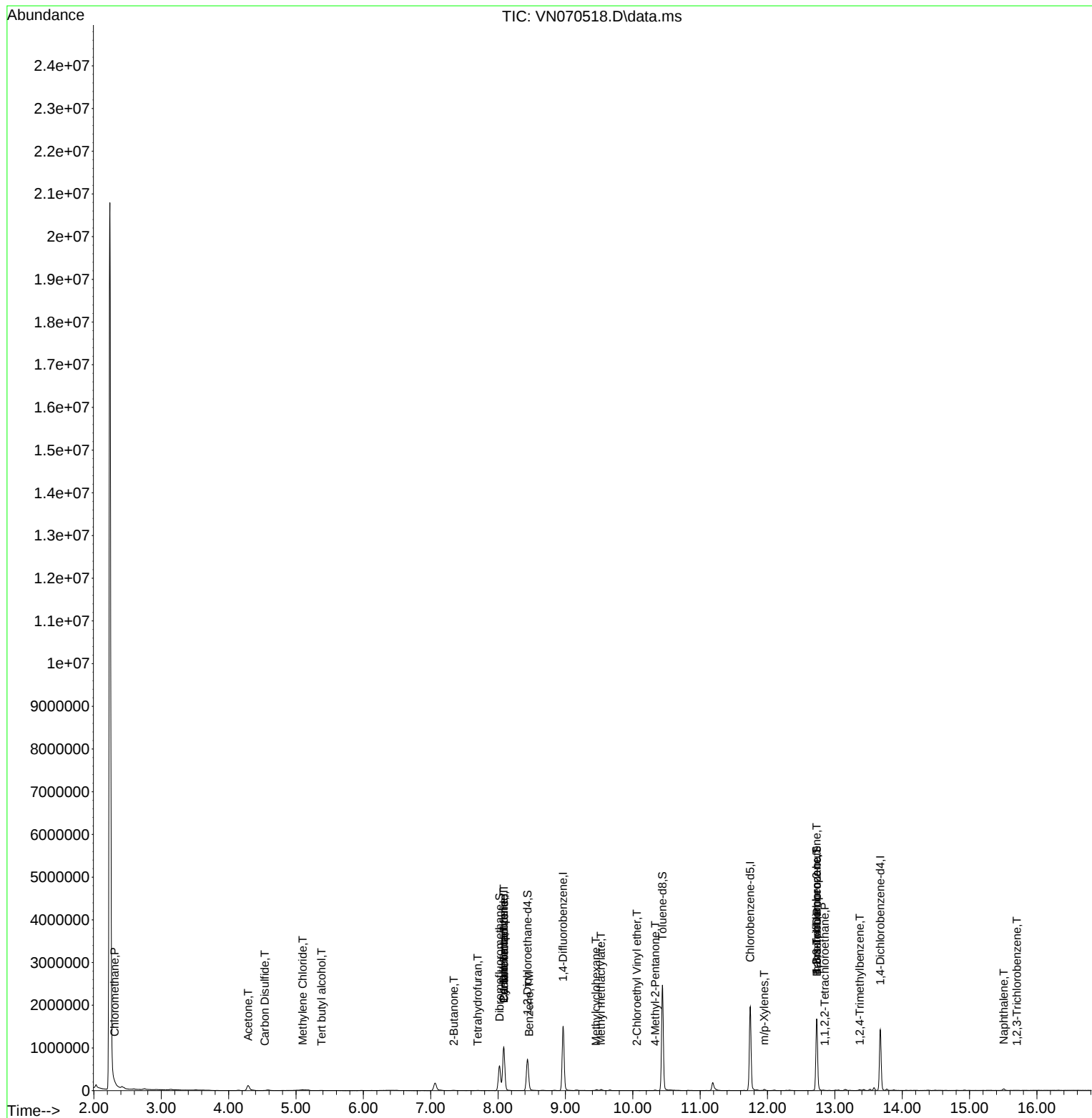
Internal Standards						
1) Pentafluorobenzene	8.086	168	783906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1314643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1162090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	397042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	611538	54.257	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.520%		
35) Dibromofluoromethane	8.021	113	431974	54.307	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 108.620%		
50) Toluene-d8	10.440	98	1717808	52.866	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.740%		
62) 4-Bromofluorobenzene	12.731	95	622636	53.053	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 106.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	6162	0.510	ug/l #	88
11) Tert butyl alcohol	5.380	59	4174	2.224	ug/l #	88
16) Acetone	4.288	43	226052	30.895	ug/l	97
17) Carbon Disulfide	4.537	76	5245	0.241	ug/l	99
20) Methylene Chloride	5.098	84	2799	0.276	ug/l	86
25) 2-Butanone	7.343	43	9326	1.012	ug/l	91
29) Tetrahydrofuran	7.697	42	4000	0.728	ug/l #	80
31) Cyclohexane	8.086	56	23911	1.344	ug/l #	20
36) 1,1-Dichloropropene	8.083	75	62021	4.713	ug/l #	48
38) Carbon Tetrachloride	8.086	117	75800	6.033	ug/l #	16
39) Methylcyclohexane	9.454	83	5206	0.327	ug/l	98
40) Benzene	8.461	78	17157	0.425	ug/l	97
48) Methyl methacrylate	9.529	41	7201	0.561	ug/l #	29
51) 4-Methyl-2-Pentanone	10.333	43	10246	0.606	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.062	63	363	18.595	ug/l #	45
68) m/p-Xylenes	11.953	106	8620	0.524	ug/l	100
71) Bromoform	12.734	173	4506	0.690	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.852	83	486	0.483	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	321670	28.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	321670	98.984	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	11396	0.401	ug/l	100
95) Naphthalene	15.507	128	36252	3.729	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	760	0.945	ug/l	81

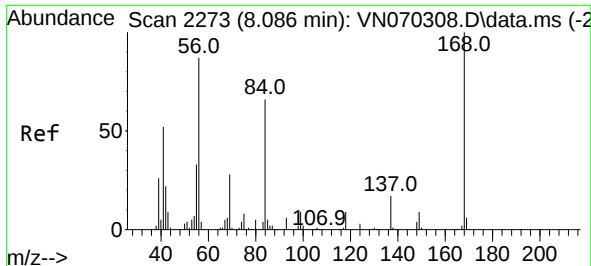
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

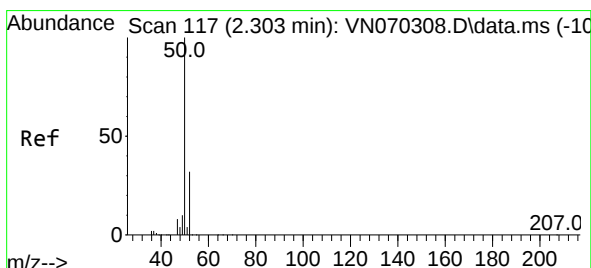
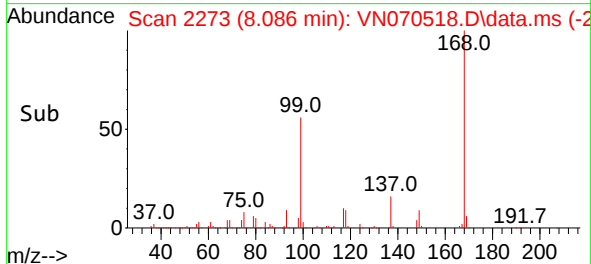
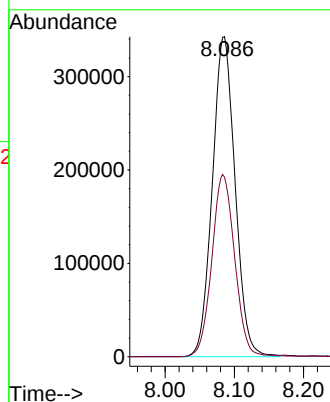
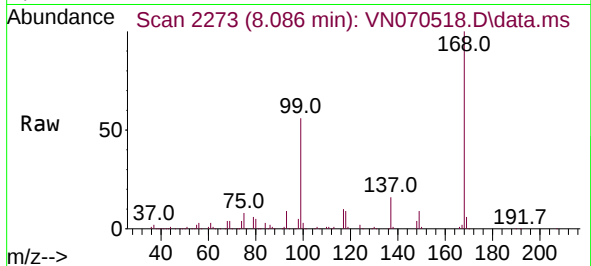




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

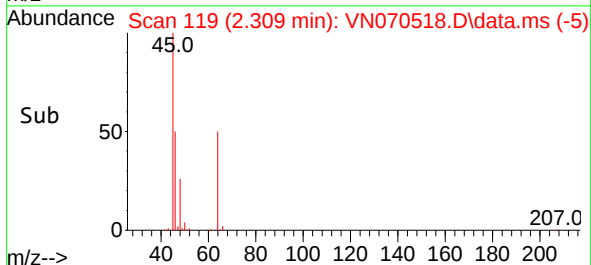
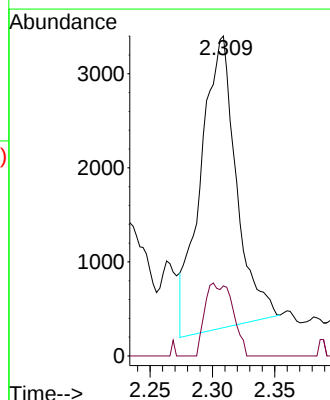
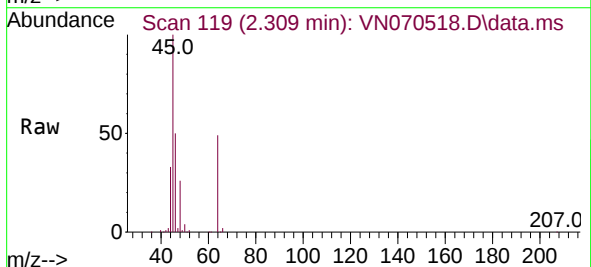
Instrument :
MSVOA_N
ClientSampleId :

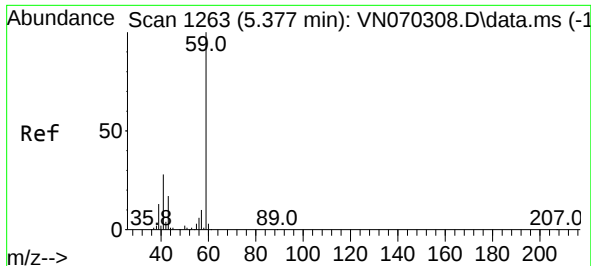
Tgt Ion:168 Resp: 783906
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.510 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

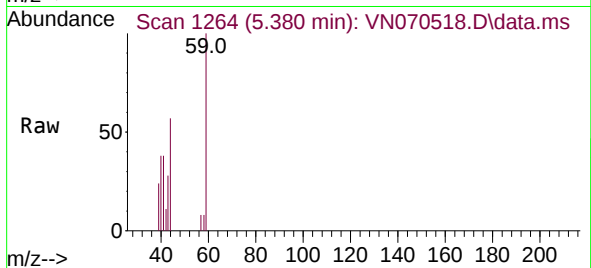
Tgt Ion: 50 Resp: 6162
Ion Ratio Lower Upper
50 100
52 25.1 25.4 38.0#



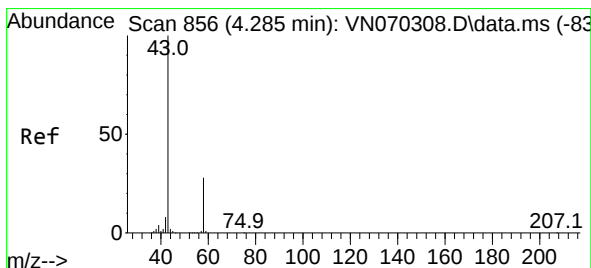
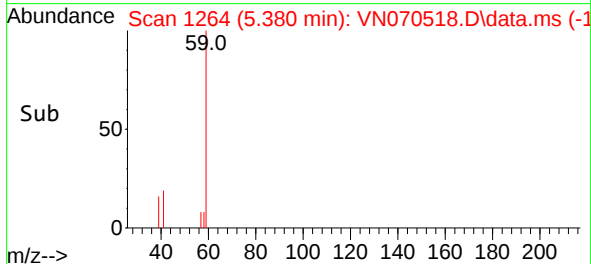
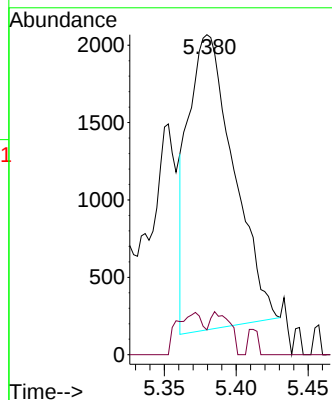


#11
Tert butyl alcohol
Concen: 2.224 ug/l
RT: 5.380 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Instrument :
MSVOA_N
ClientSampleId :

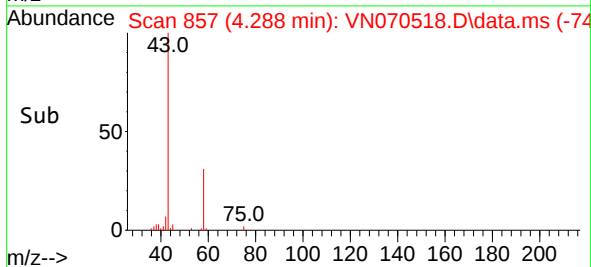
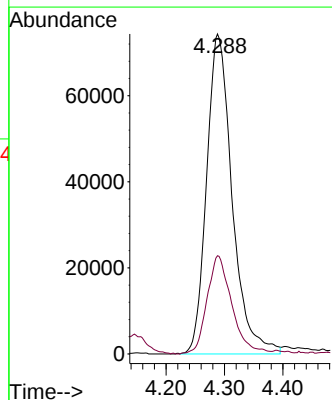
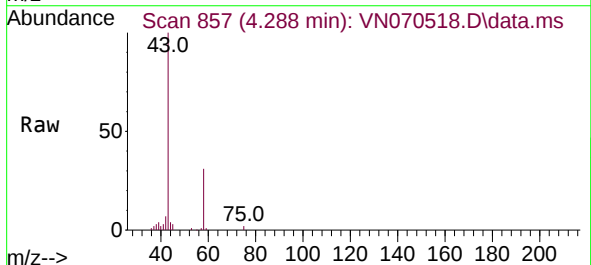


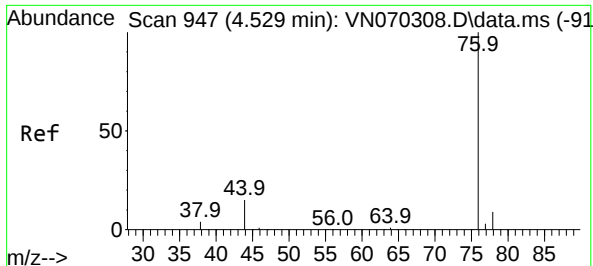
Tgt Ion: 59 Resp: 4174
Ion Ratio Lower Upper
59 100
57 6.3 8.7 13.1#



#16
Acetone
Concen: 30.895 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 43 Resp: 226052
Ion Ratio Lower Upper
43 100
58 30.7 23.1 34.7

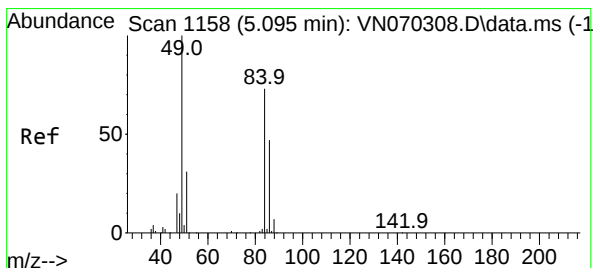
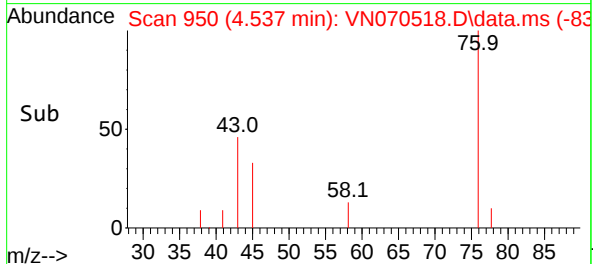
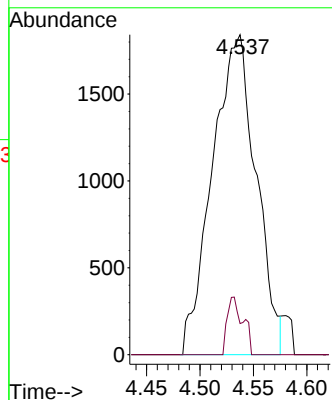
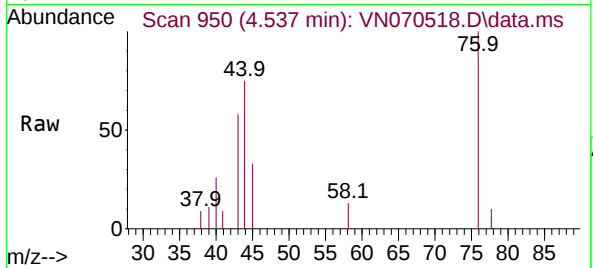




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.537 min Scan# 91
Delta R.T. 0.008 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

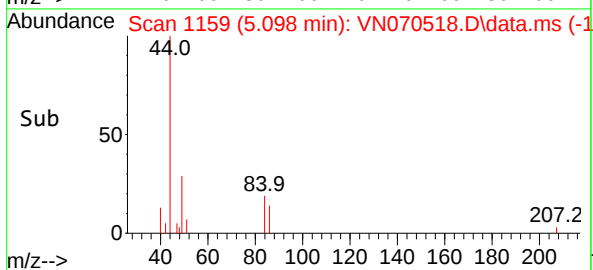
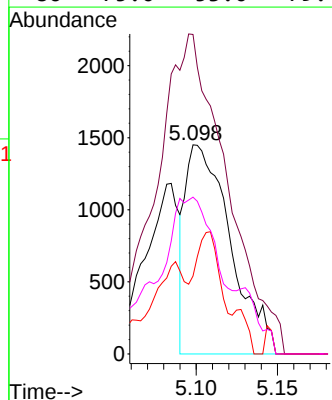
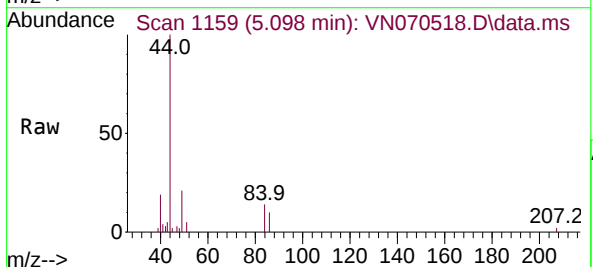
Instrument :
MSVOA_N
ClientSampleId :

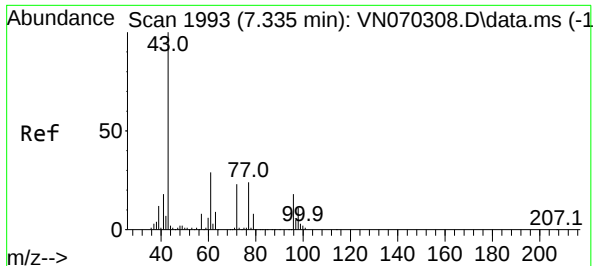
Tgt Ion: 76 Resp: 5245
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 84 Resp: 2799
Ion Ratio Lower Upper
84 100
49 138.5 93.5 140.3
51 37.2 29.4 44.2
86 75.0 53.0 79.4





#25

2-Butanone

Concen: 1.012 ug/l

RT: 7.343 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

Instrument :

MSVOA_N

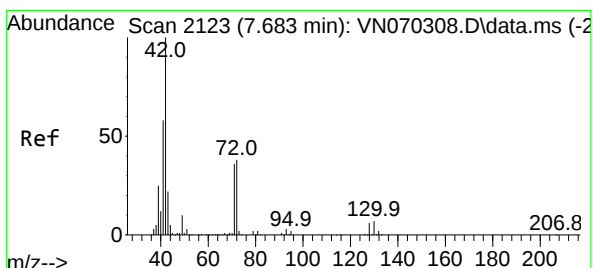
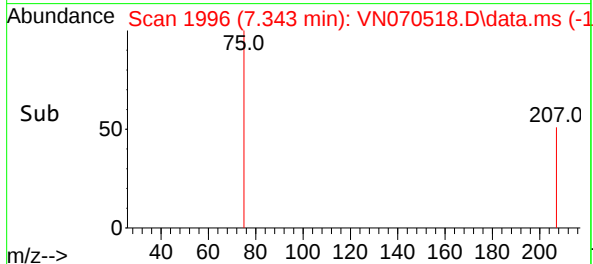
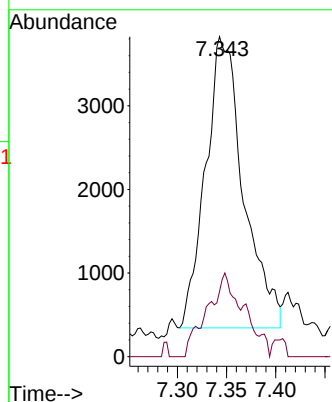
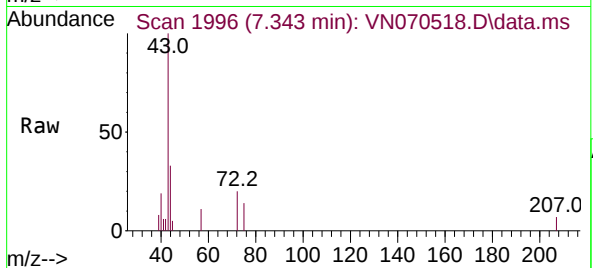
ClientSampleId :

Tgt Ion: 43 Resp: 9326

Ion Ratio Lower Upper

43 100

72 22.4 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.728 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

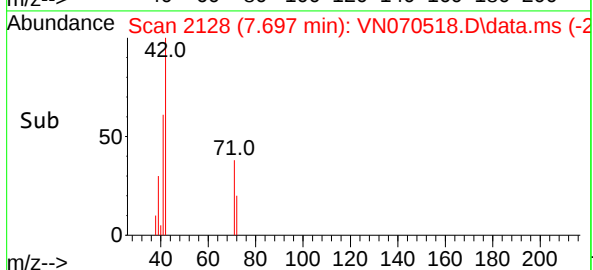
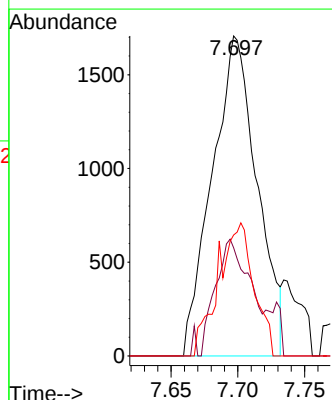
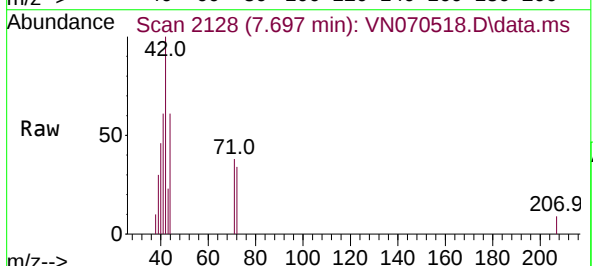
Tgt Ion: 42 Resp: 4000

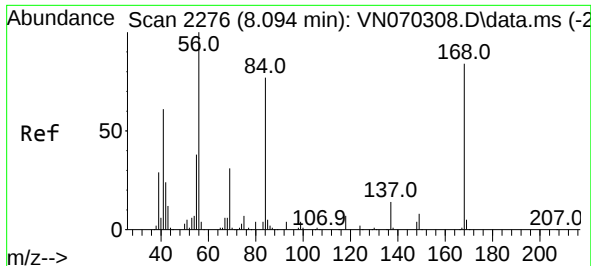
Ion Ratio Lower Upper

42 100

72 29.8 36.3 54.5#

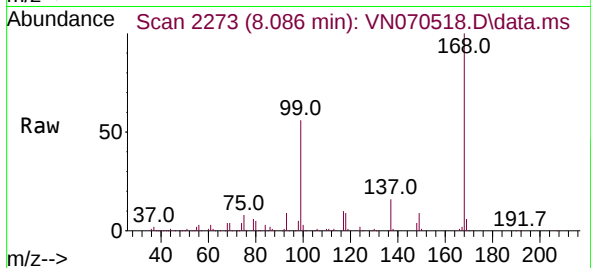
71 33.2 34.7 52.1#



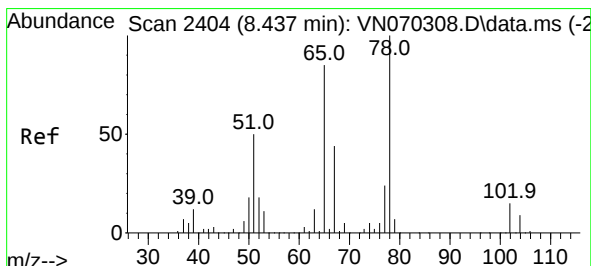
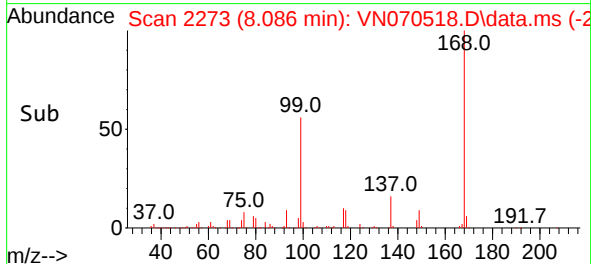
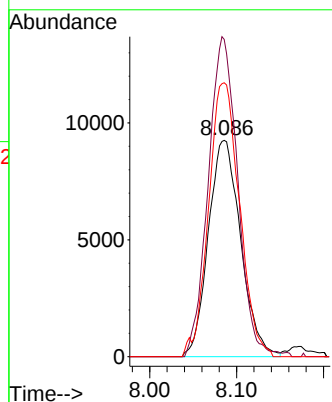


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Instrument :
MSVOA_N
ClientSampleId :

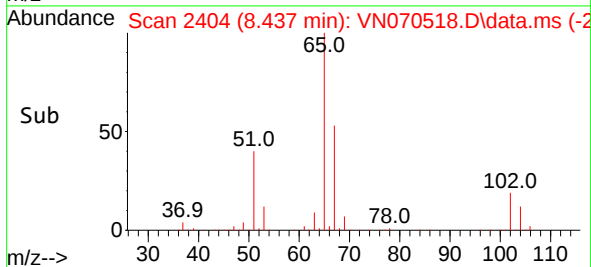
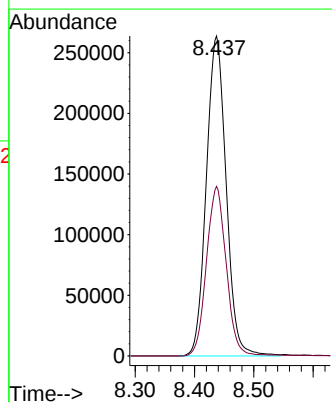
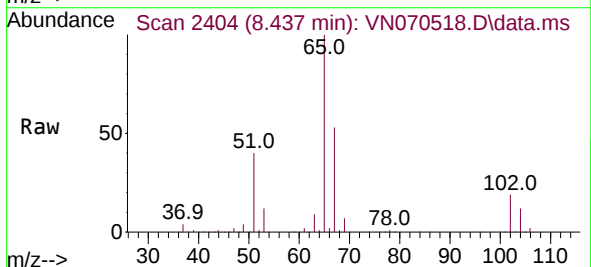


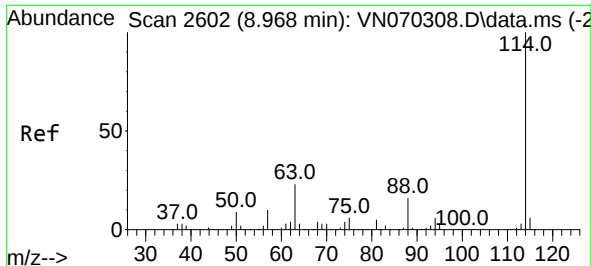
Tgt Ion: 56 Resp: 23911
Ion Ratio Lower Upper
56 100
69 146.6 27.1 40.7#
84 126.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.257 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 65 Resp: 611538
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :

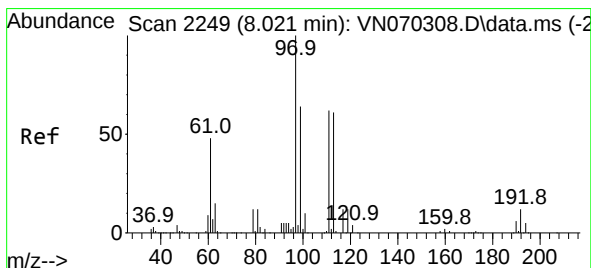
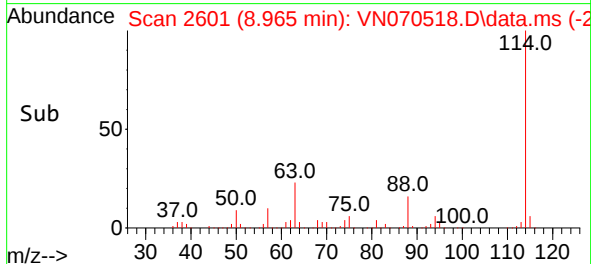
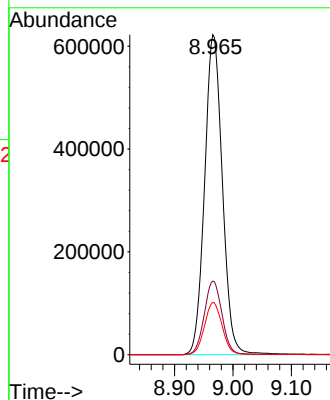
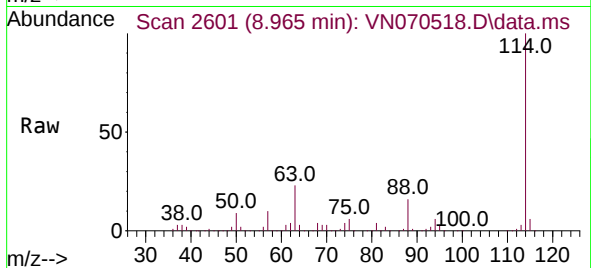
Tgt Ion:114 Resp: 1314643

Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 54.307 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

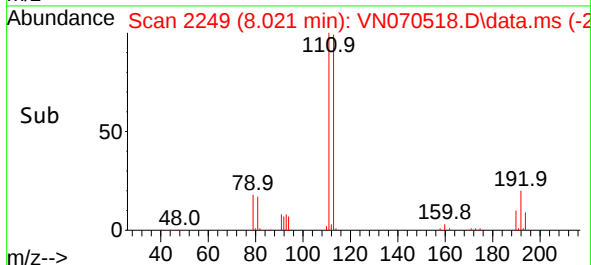
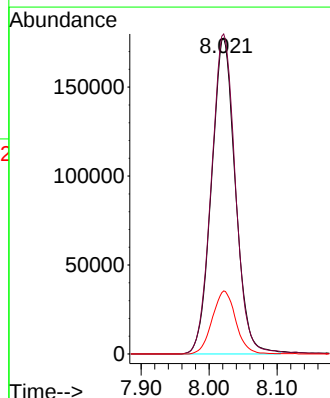
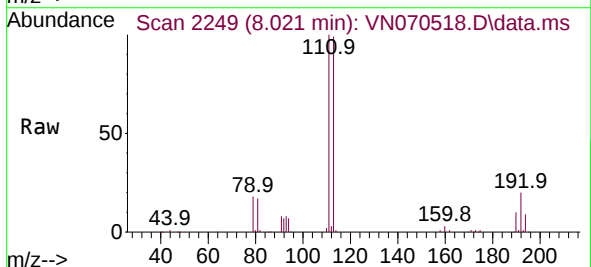
Tgt Ion:113 Resp: 431974

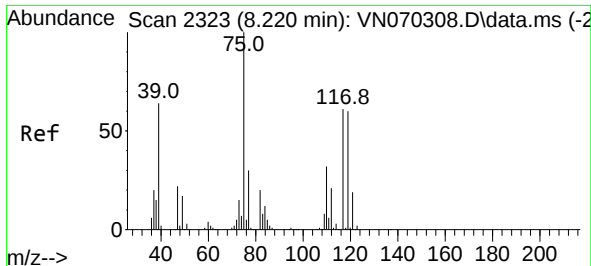
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 19.7 16.9 25.3

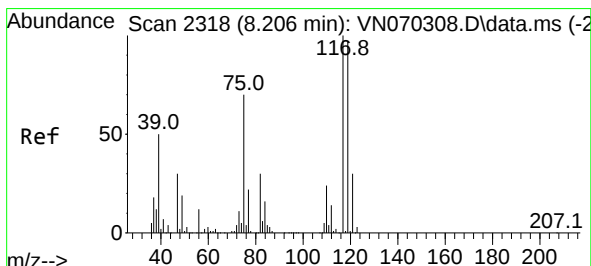
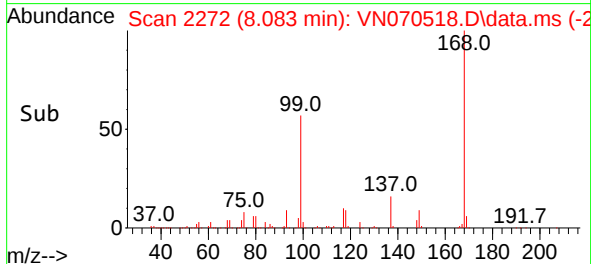
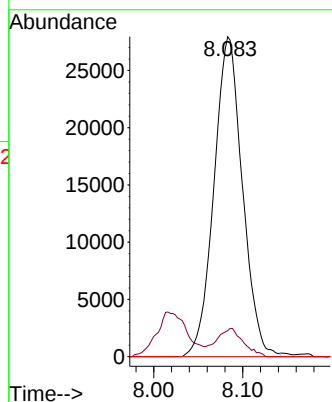
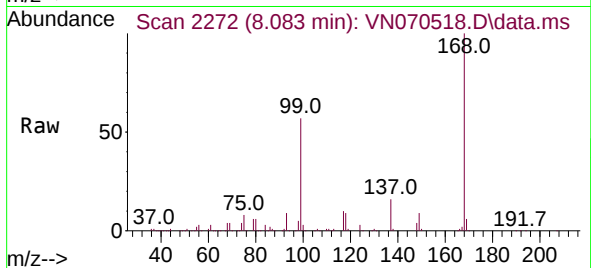




#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

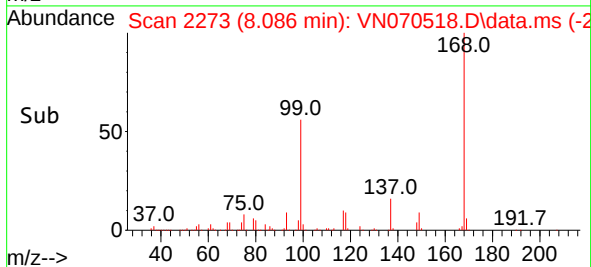
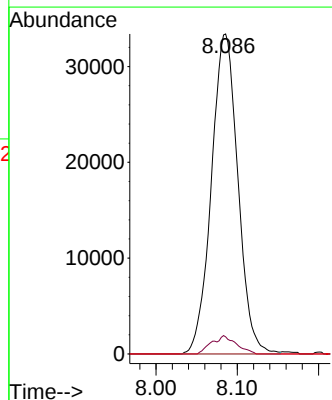
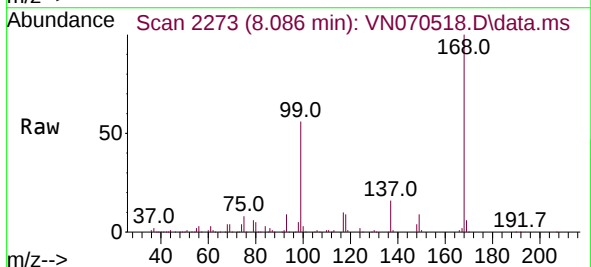
Instrument :
MSVOA_N
ClientSampleId :

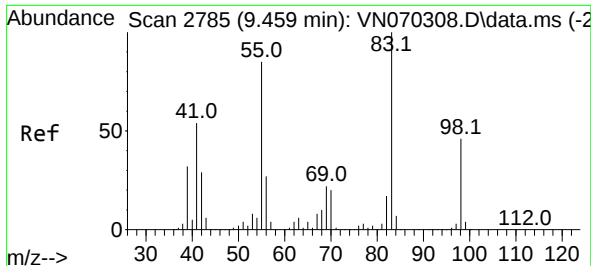
Tgt Ion: 75 Resp: 62021
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 117 Resp: 75800
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.327 ug/l

RT: 9.454 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :

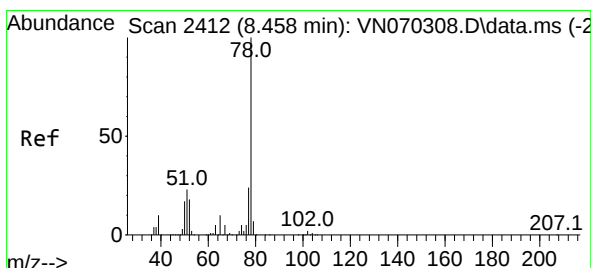
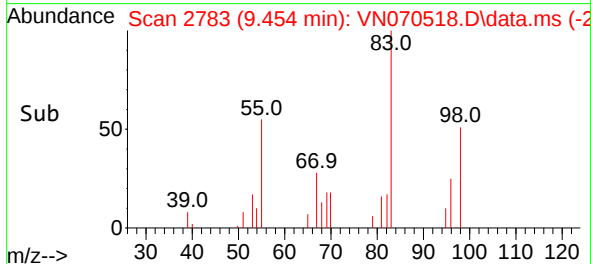
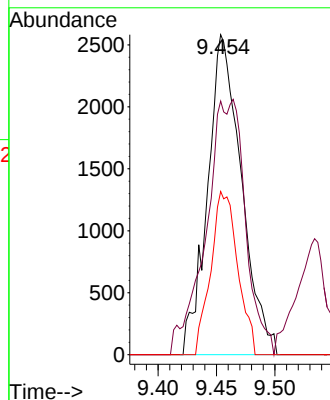
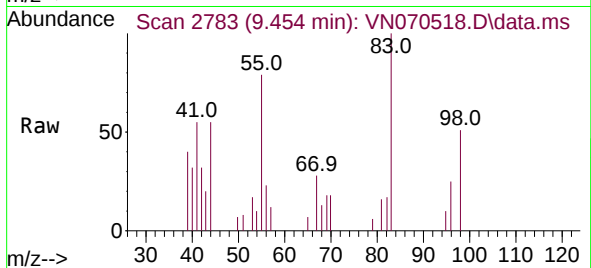
Tgt Ion: 83 Resp: 5206

Ion Ratio Lower Upper

83 100

55 72.4 58.1 87.1

98 51.0 38.4 57.6



#40

Benzene

Concen: 0.425 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.003 min

Lab File: VN070518.D

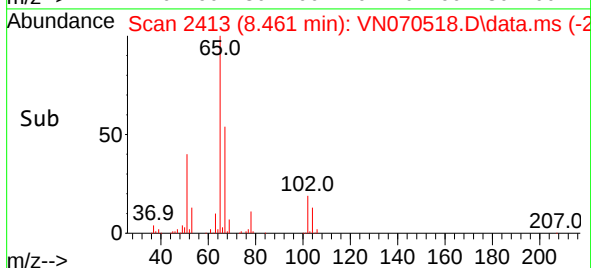
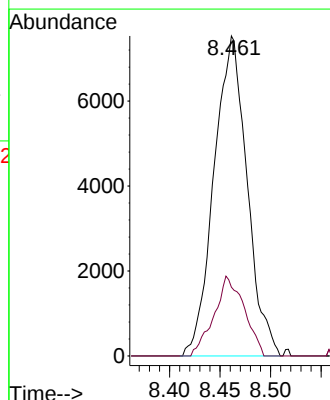
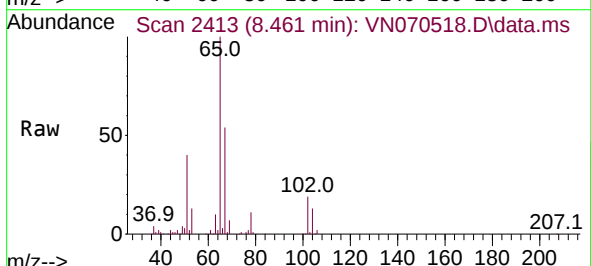
Acq: 6 Jan 2022 14:46

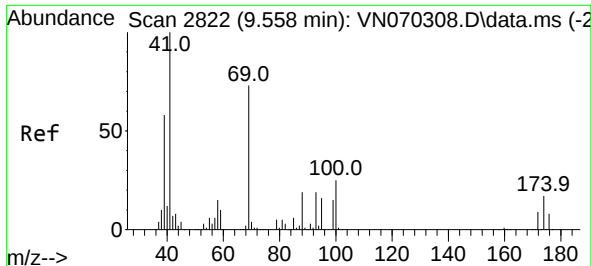
Tgt Ion: 78 Resp: 17157

Ion Ratio Lower Upper

78 100

77 21.5 18.6 27.8

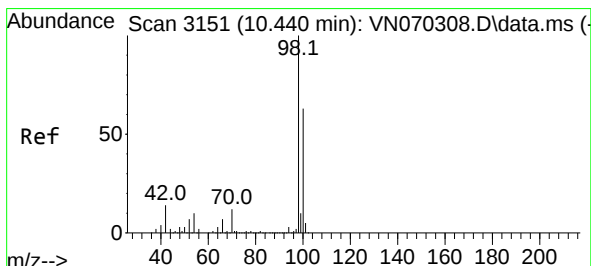
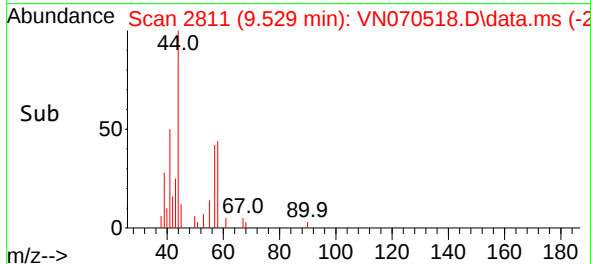
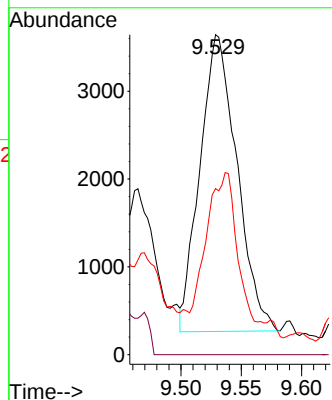
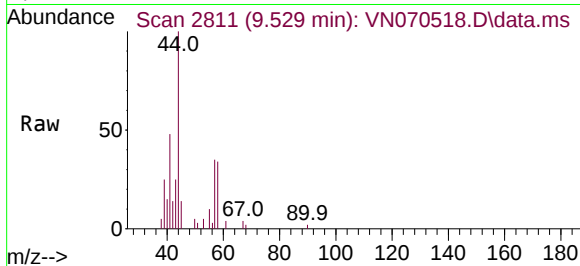




#48
Methyl methacrylate
Concen: 0.561 ug/l
RT: 9.529 min Scan# 2811
Delta R.T. -0.029 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

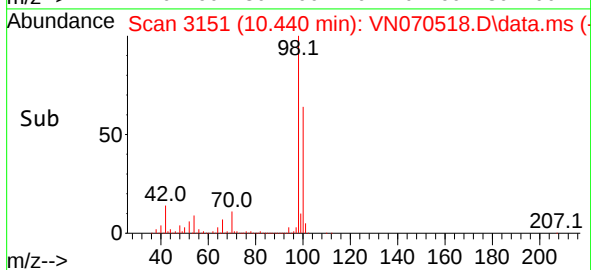
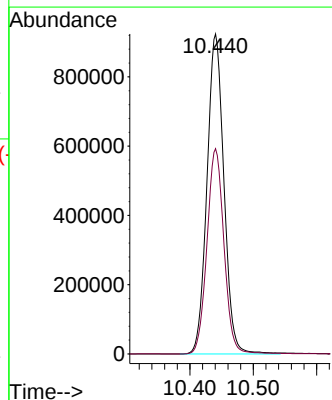
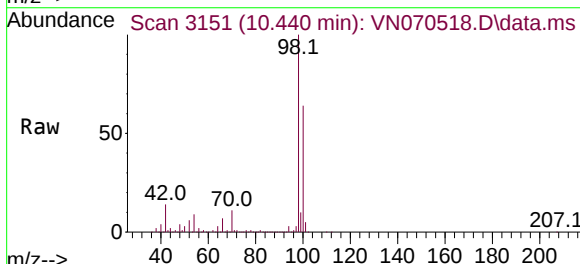
Instrument :
MSVOA_N
ClientSampleId :

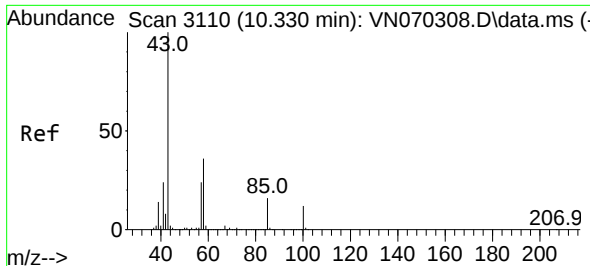
Tgt Ion: 41 Resp: 7201
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 40.1 58.4 87.6#



#50
Toluene-d8
Concen: 52.866 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 98 Resp: 1717808
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

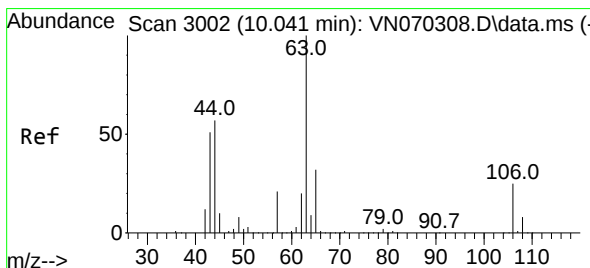
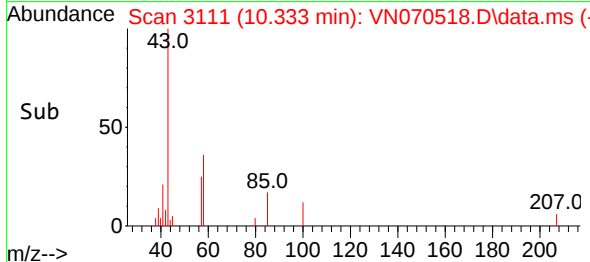
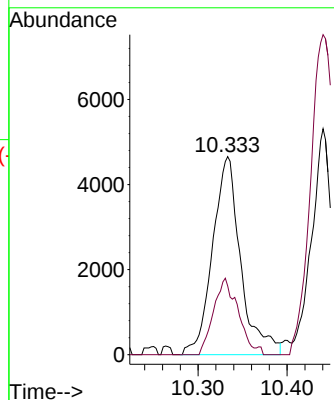
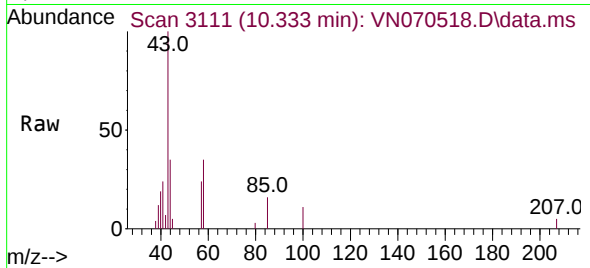




#51
4-Methyl-2-Pentanone
Concen: 0.606 ug/l
RT: 10.333 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

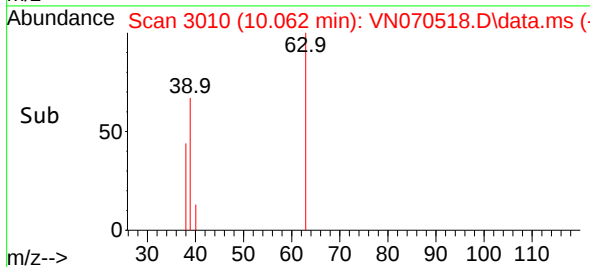
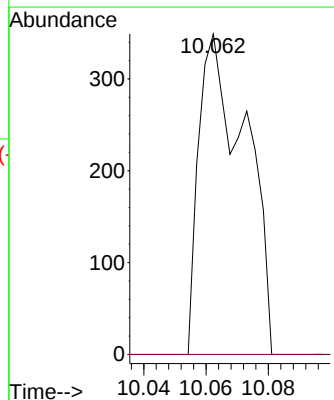
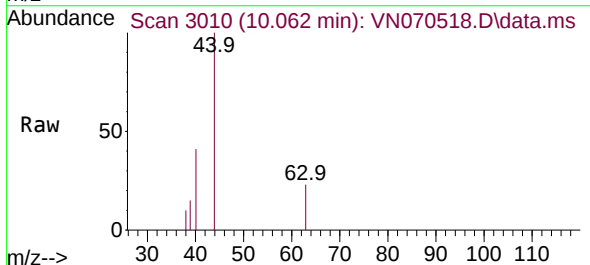
Instrument :
MSVOA_N
ClientSampleId :

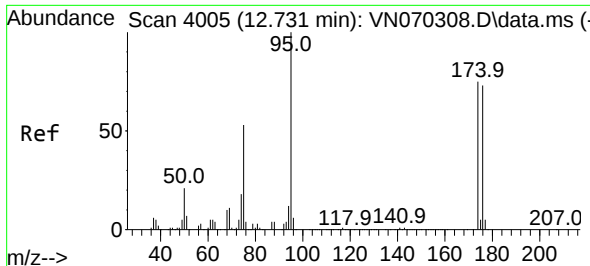
Tgt Ion: 43 Resp: 10246
Ion Ratio Lower Upper
43 100
58 33.8 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.595 ug/l
RT: 10.062 min Scan# 3010
Delta R.T. 0.021 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 63 Resp: 363
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

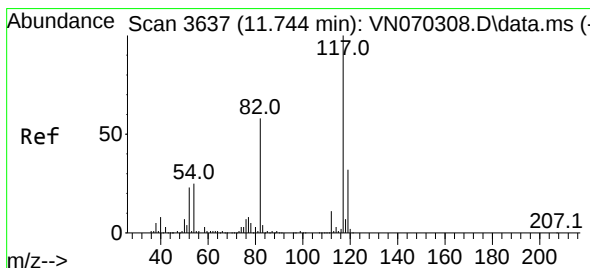
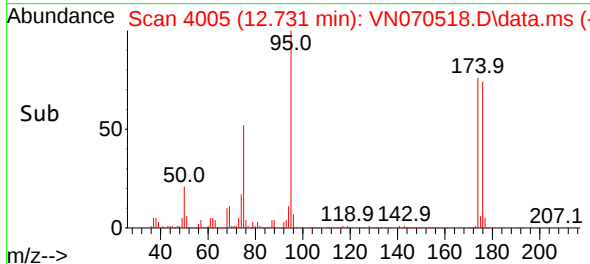
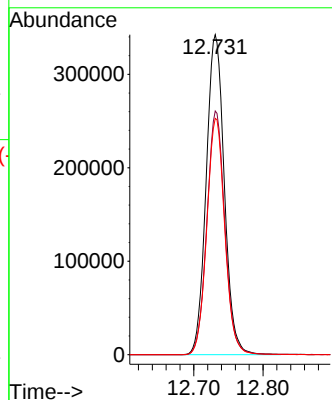
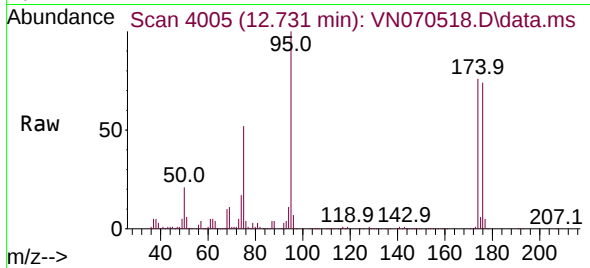




#62
4-Bromofluorobenzene
Concen: 53.053 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

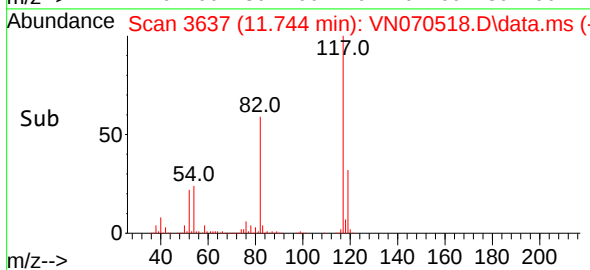
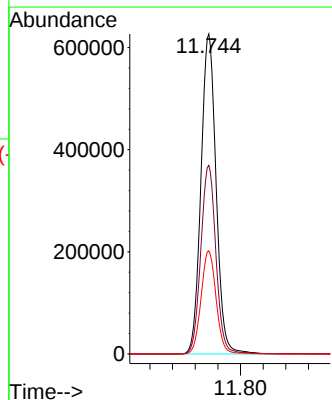
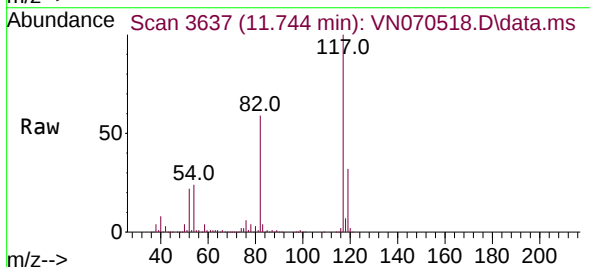
Instrument :
MSVOA_N
ClientSampleId :

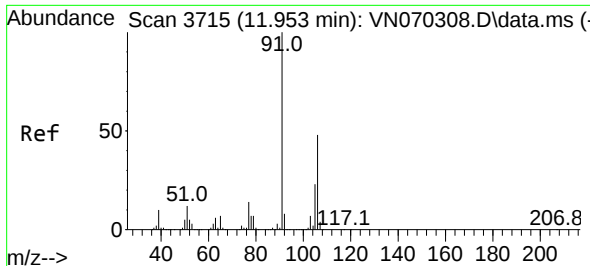
Tgt Ion: 95 Resp: 622636
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 117 Resp: 1162090
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 32.2 25.4 38.2

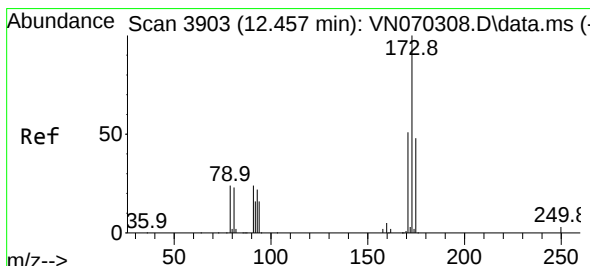
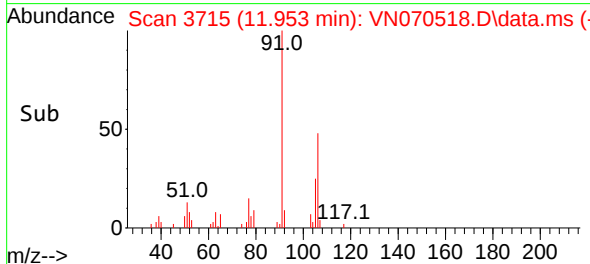
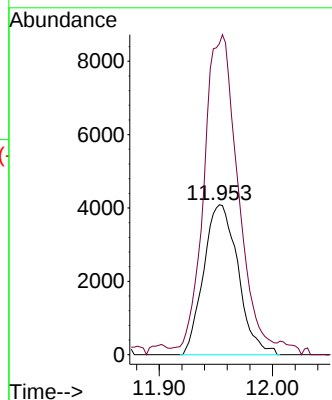
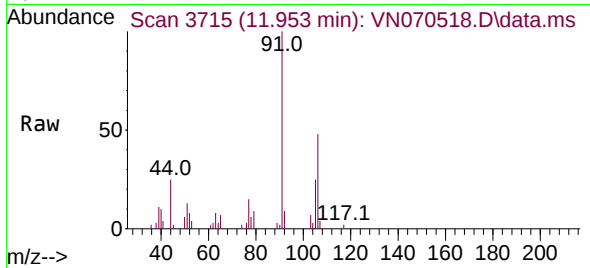




#68
m/p-Xylenes
Concen: 0.524 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

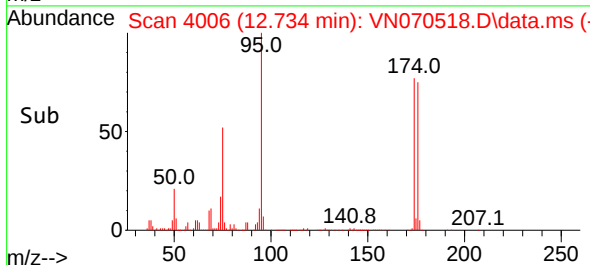
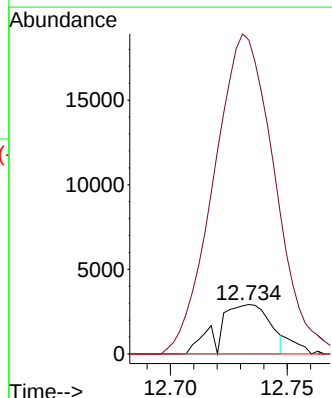
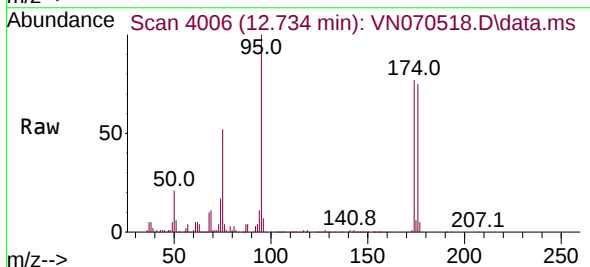
Instrument :
MSVOA_N
ClientSampleId :

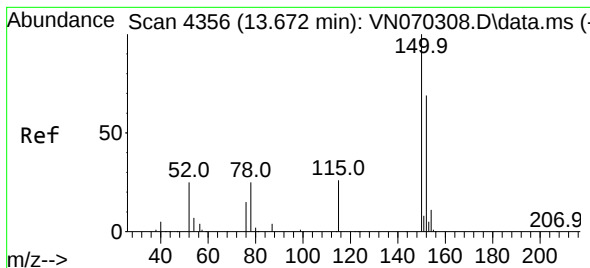
Tgt Ion:106 Resp: 8620
Ion Ratio Lower Upper
106 100
91 201.3 160.6 240.8



#71
Bromoform
Concen: 0.690 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.277 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion:173 Resp: 4506
Ion Ratio Lower Upper
173 100
175 693.2 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. 0.003 min

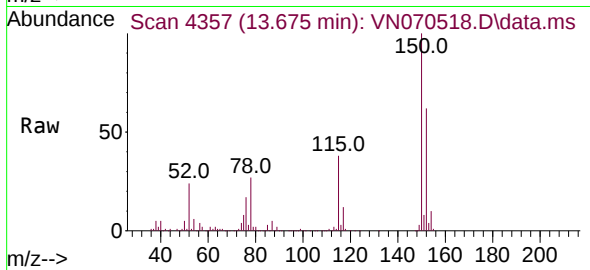
Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :



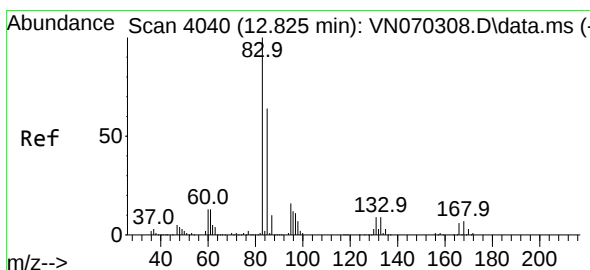
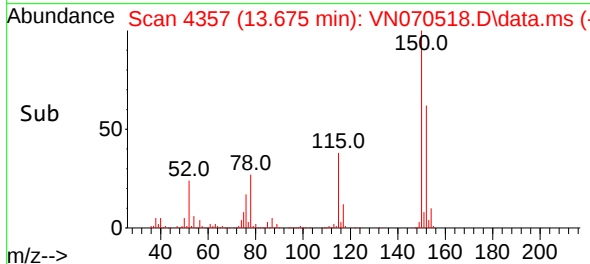
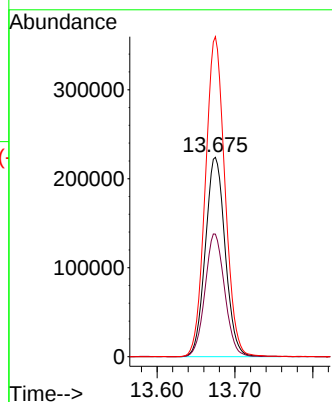
Tgt Ion:152 Resp: 397042

Ion Ratio Lower Upper

152 100

115 61.1 27.5 82.5

150 158.7 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.483 ug/l

RT: 12.852 min Scan# 4050

Delta R.T. 0.027 min

Lab File: VN070518.D

Acq: 6 Jan 2022 14:46

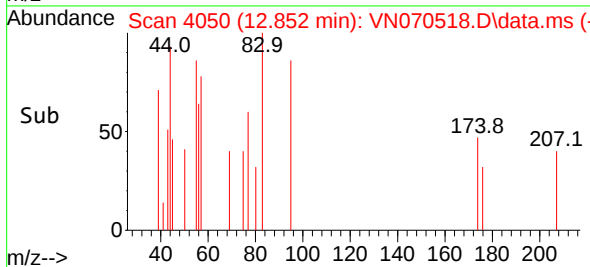
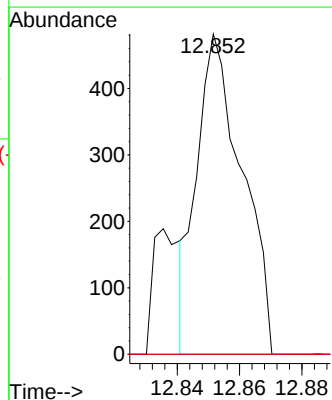
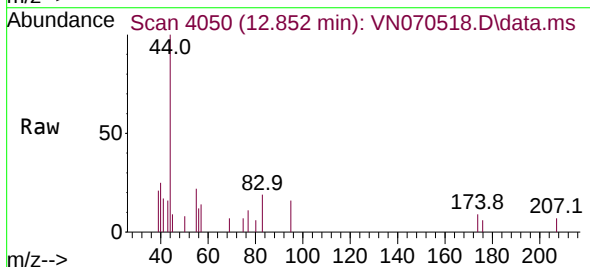
Tgt Ion: 83 Resp: 486

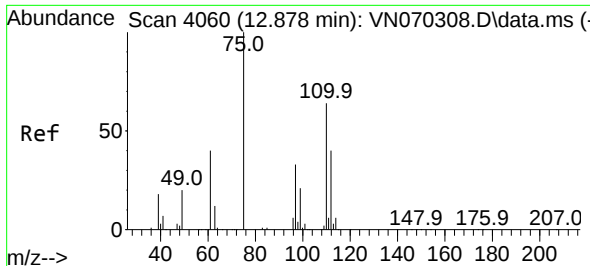
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 0.0 32.4 97.2#

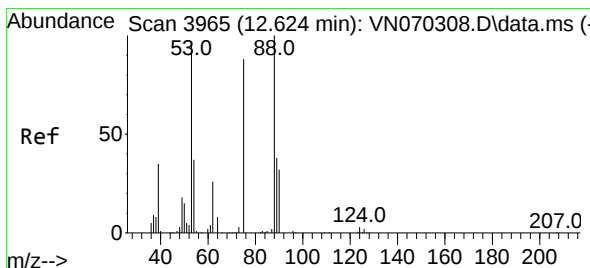
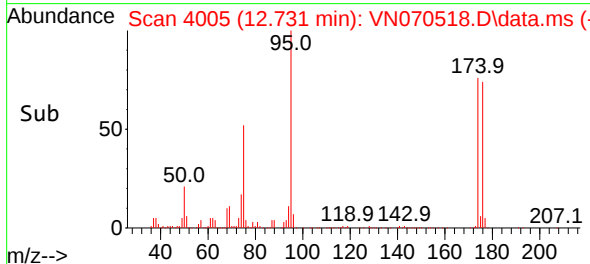
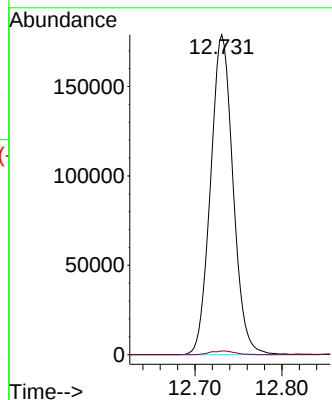
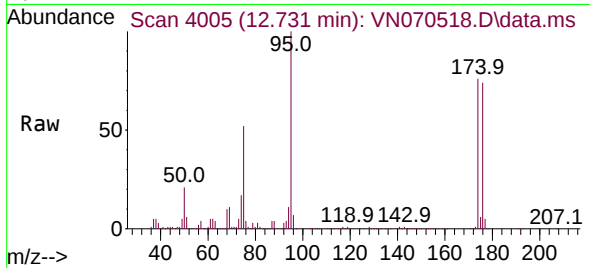




#76
1,2,3-Trichloropropane
Concen: 28.603 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

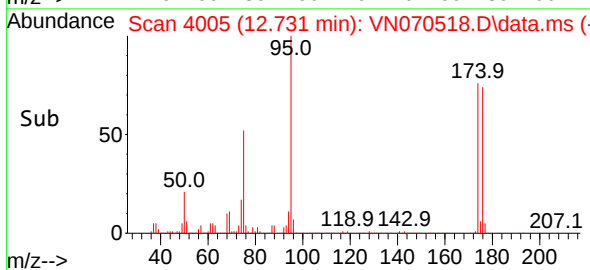
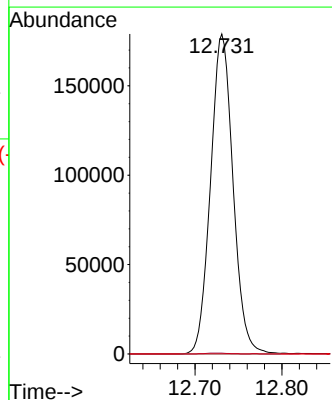
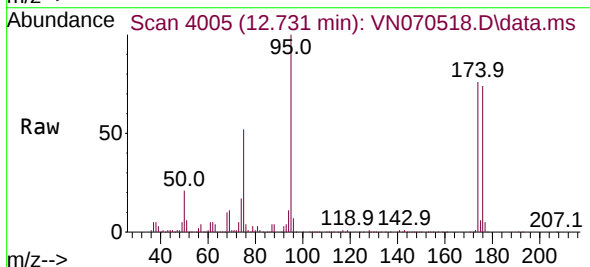
Instrument :
MSVOA_N
ClientSampleId :

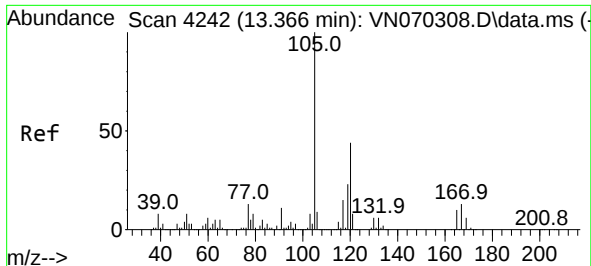
Tgt Ion: 75 Resp: 321670
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.984 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

Tgt Ion: 75 Resp: 321670
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

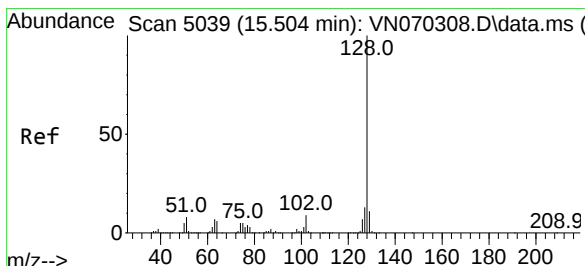
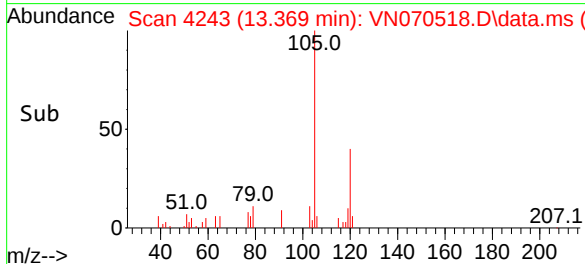
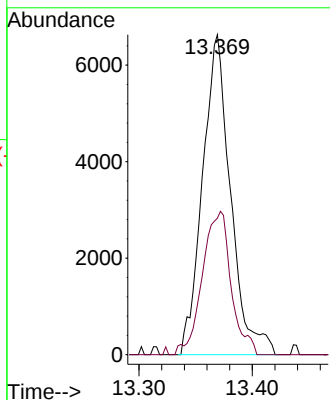
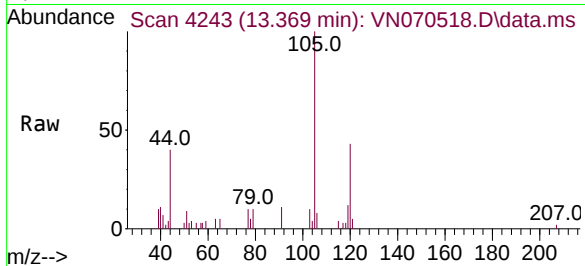




#84
1,2,4-Trimethylbenzene
Concen: 0.401 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

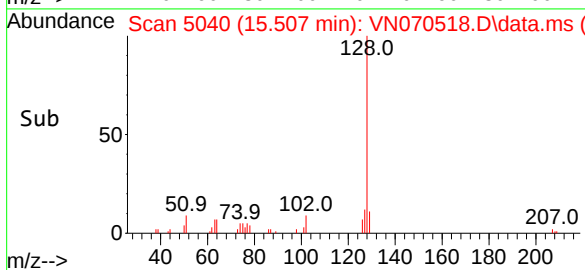
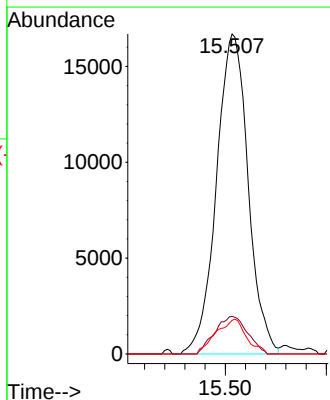
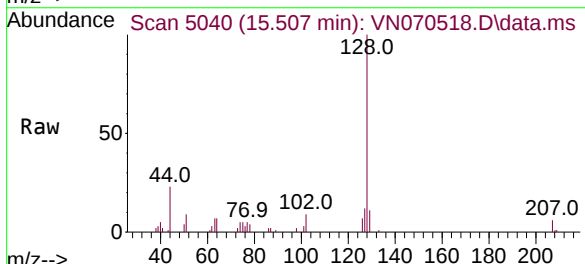
Instrument :
MSVOA_N
ClientSampleId :

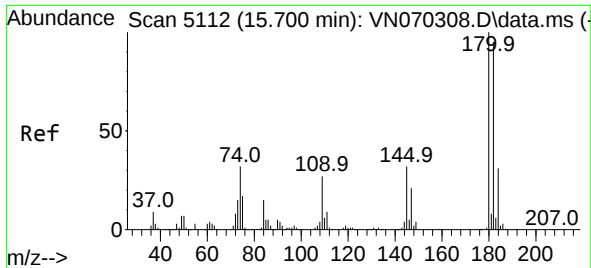
Tgt Ion:105 Resp: 11396
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4



#95
Naphthalene
Concen: 3.729 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070518.D
Acq: 6 Jan 2022 14:46

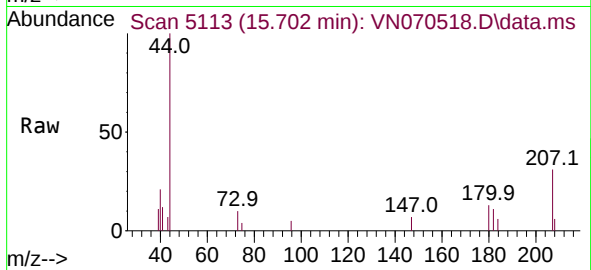
Tgt Ion:128 Resp: 36252
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.945 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.002 min
 Lab File: VN070518.D
 Acq: 6 Jan 2022 14:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 760

Ion	Ratio	Lower	Upper
180	100		
182	77.1	47.4	142.2
145	19.2	15.0	45.1

