

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072690.D
 Acq On : 07 Jun 2022 16:07
 Operator : JC\MD
 Sample : N3198-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Jun 08 09:52:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

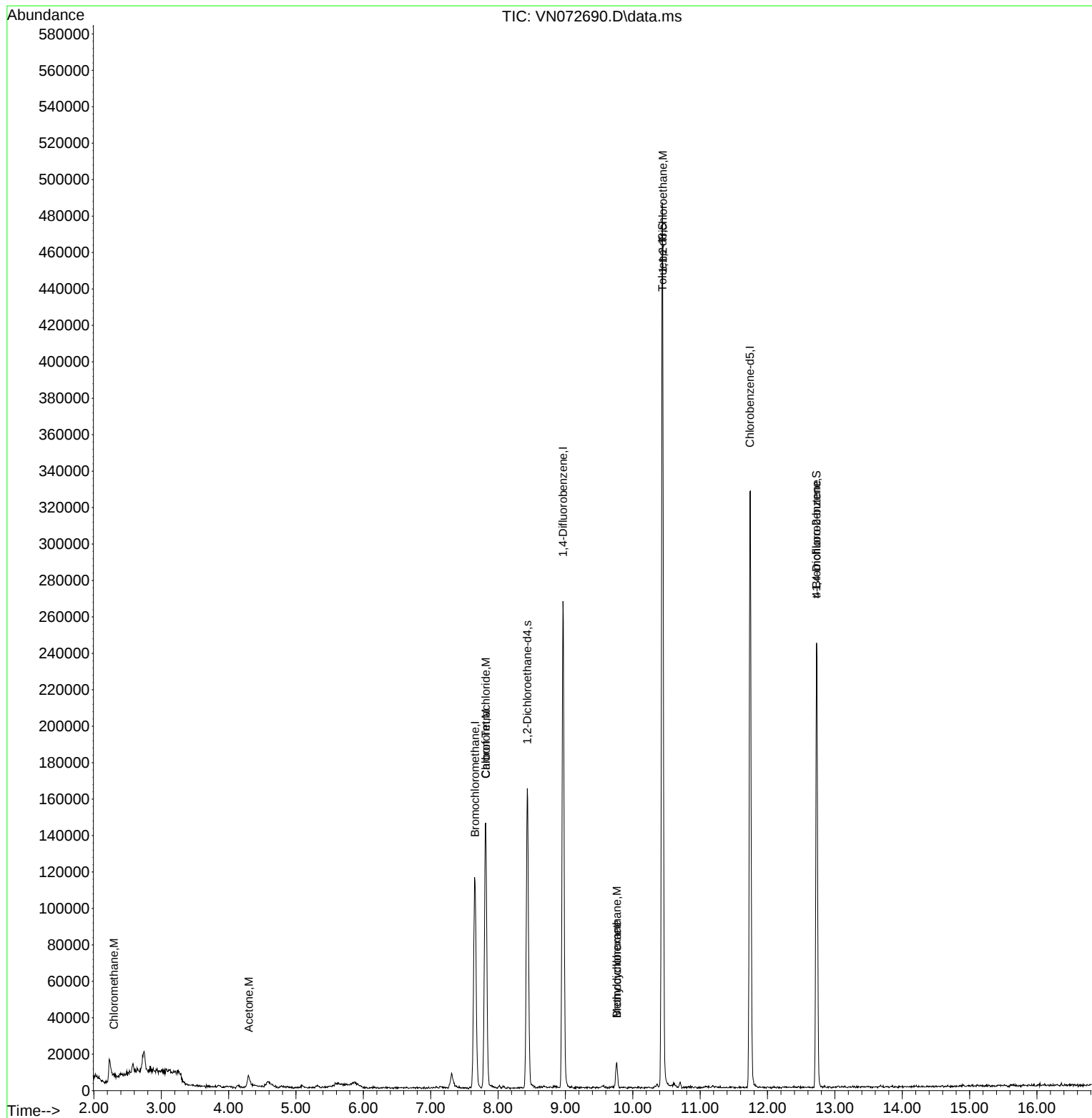
Internal Standards						
1) Bromochloromethane	7.657	128	39327	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	220255	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	181313	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	138679	30.920	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.067%	
60) 4-Bromofluorobenzene	12.727	95	87680	23.512	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 78.367%	
63) Toluene-d8	10.439	98	326929	32.550	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 108.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1166	0.364	ug/l #	79
15) Acetone	4.298	58	2582	4.364	ug/l #	37
25) Chloroform	7.816	83	137503	21.673	ug/l	100
33) Carbon Tetrachloride	7.816	117	1334	0.282	ug/l #	58
38) Methylcyclohexane	9.763	83	9981	1.991	ug/l #	21
41) Bromodichloromethane	9.763	83	9981	1.992	ug/l #	90
50) 1,1,2-Trichloroethane	10.445	97	9817	2.964	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	50615	29.621	ug/l #	8

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

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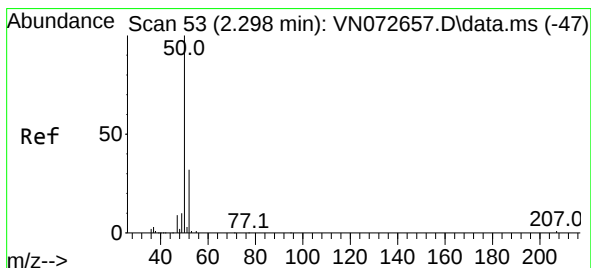
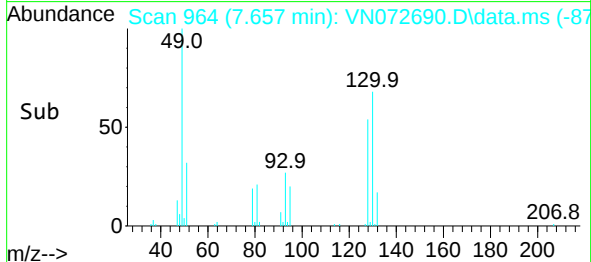
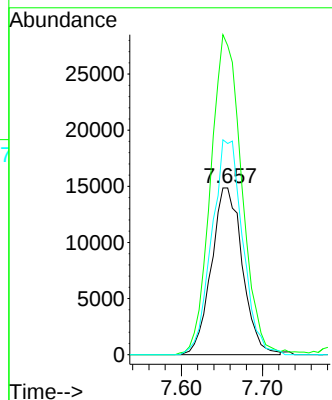
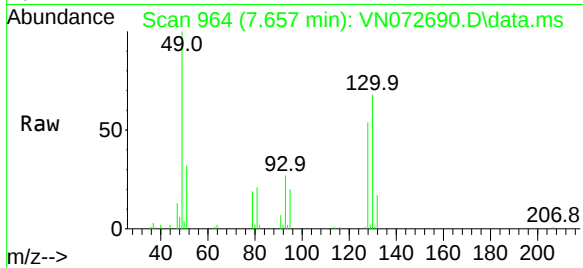




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

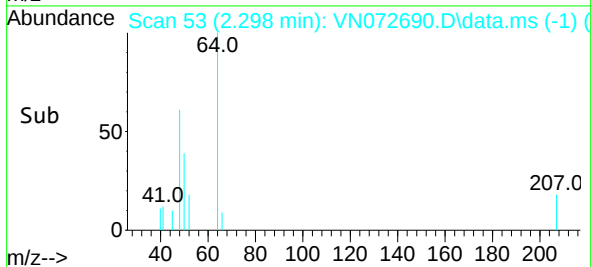
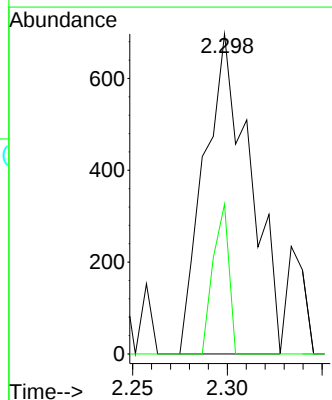
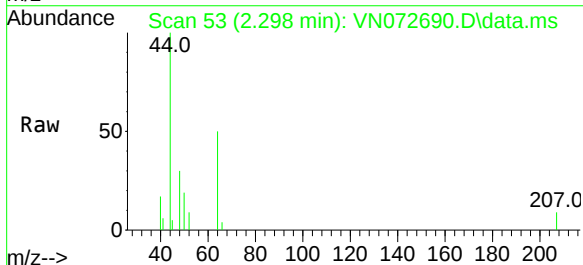
Instrument :
MSVOA_N
ClientSampleId :
14B-4

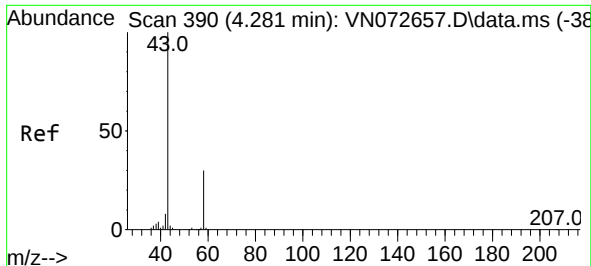
Tgt Ion:128 Resp: 39327
Ion Ratio Lower Upper
128 100
49 192.1 0.0 392.3
130 128.2 0.0 320.2



#3
Chloromethane
Concen: 0.364 ug/l
RT: 2.298 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 50 Resp: 1166
Ion Ratio Lower Upper
50 100
52 46.8 27.8 41.6#

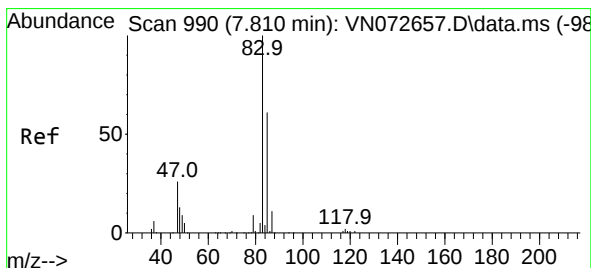
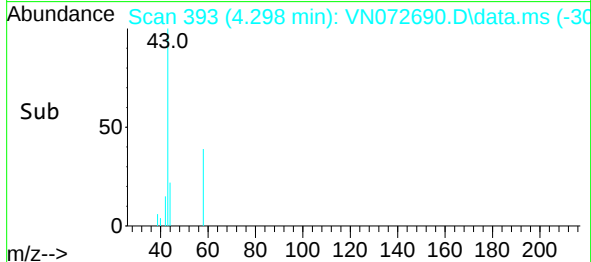
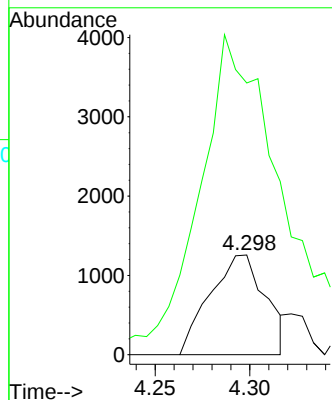
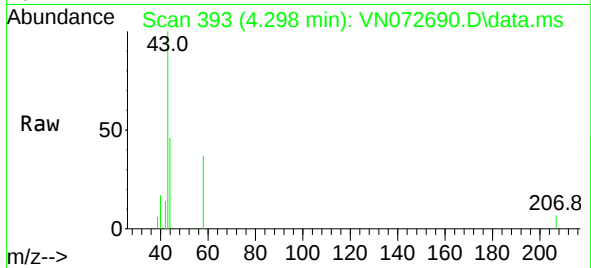




#15
Acetone
Concen: 4.364 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

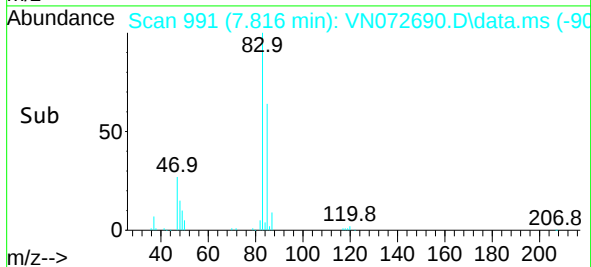
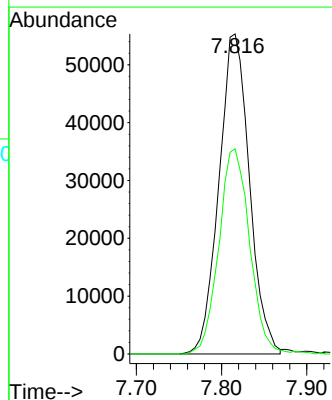
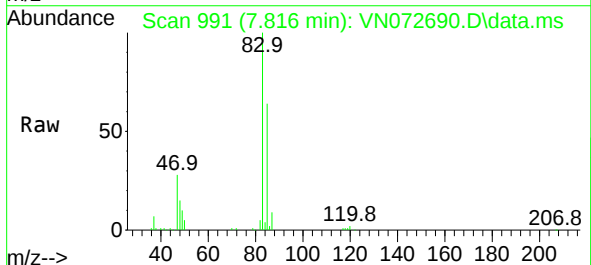
Instrument :
MSVOA_N
ClientSampleId :
14B-4

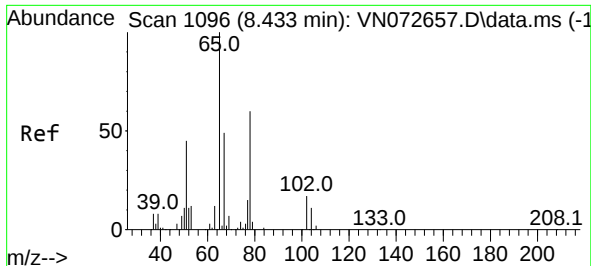
Tgt Ion: 58 Resp: 2582
Ion Ratio Lower Upper
58 100
43 192.6 256.6 384.8#



#25
Chloroform
Concen: 21.673 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 83 Resp: 137503
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9

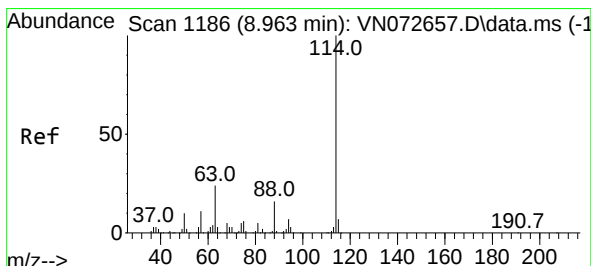
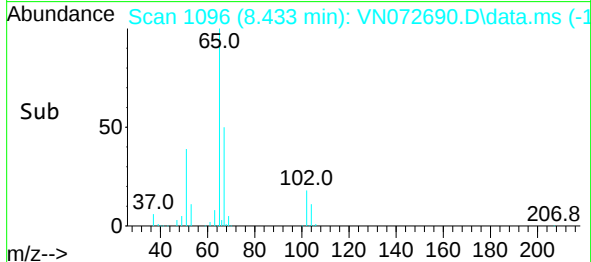
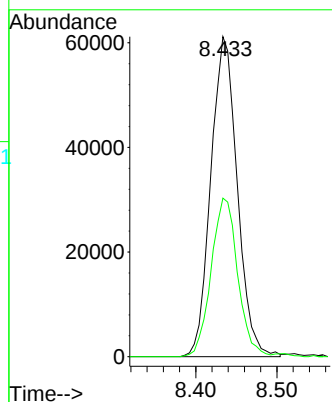
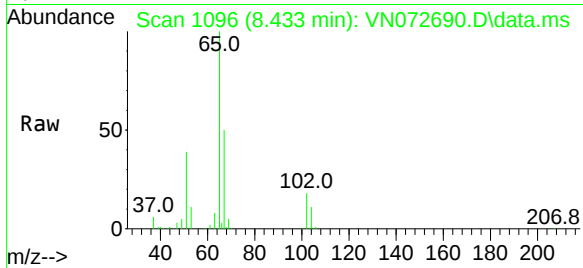




#27
1,2-Dichloroethane-d4
Concen: 30.920 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

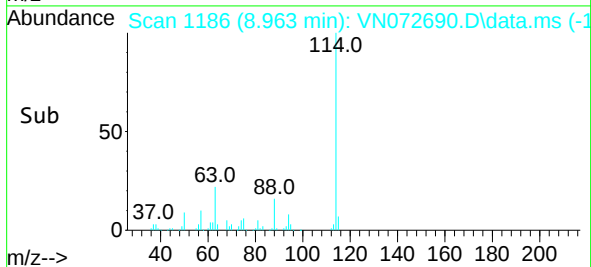
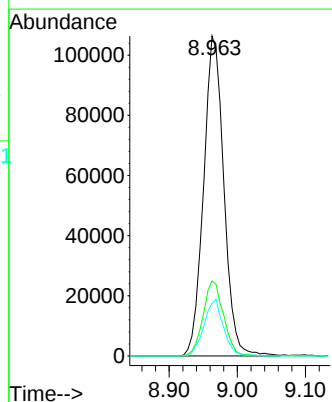
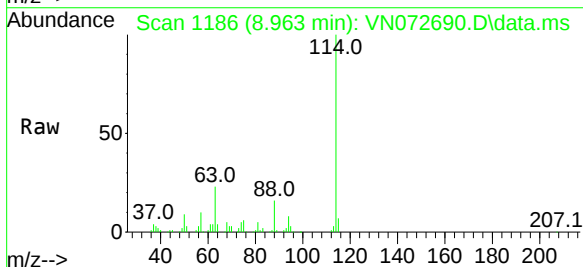
Instrument :
MSVOA_N
ClientSampleId :
14B-4

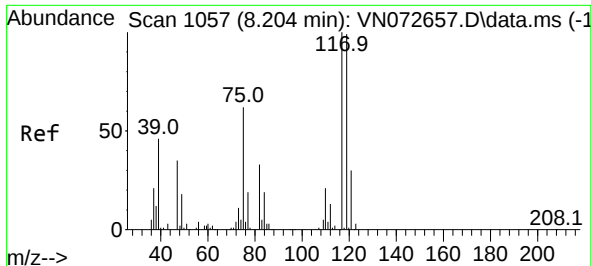
Tgt Ion: 65 Resp: 138679
Ion Ratio Lower Upper
65 100
67 49.6 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 114 Resp: 220255
Ion Ratio Lower Upper
114 100
63 23.6 15.8 23.6
88 16.8 11.6 17.4

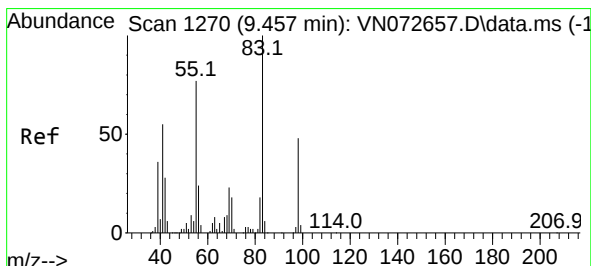
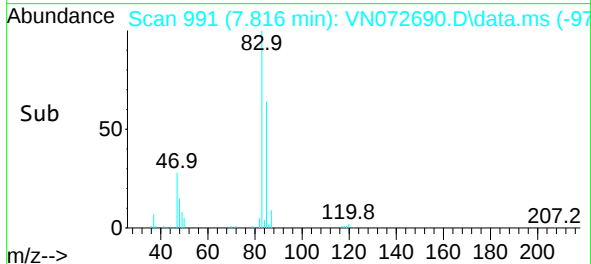
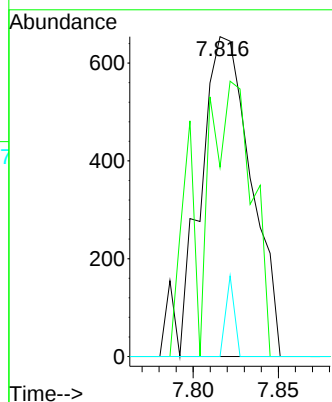
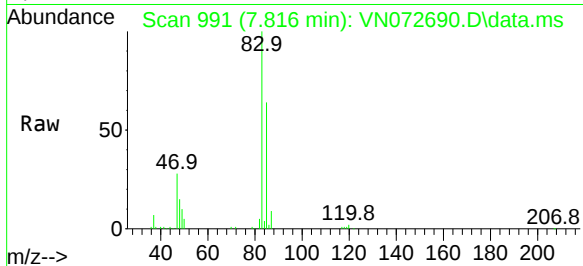




#33
Carbon Tetrachloride
Concen: 0.282 ug/l
RT: 7.816 min Scan# 91
Delta R.T. -0.388 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

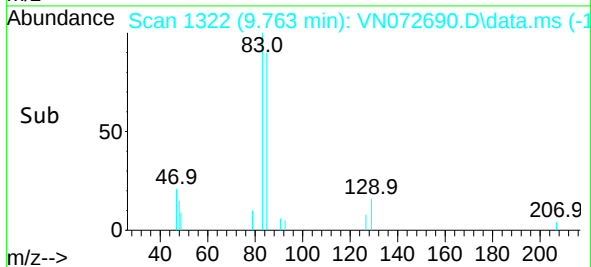
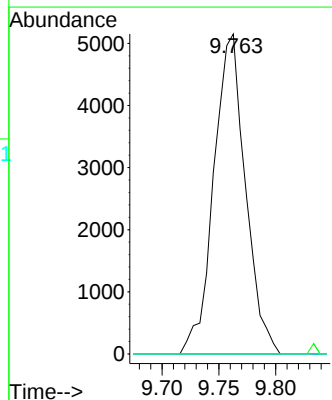
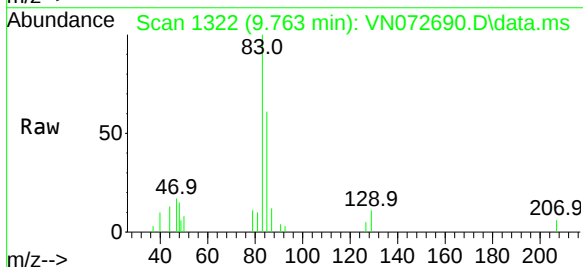
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ClientSampleId :
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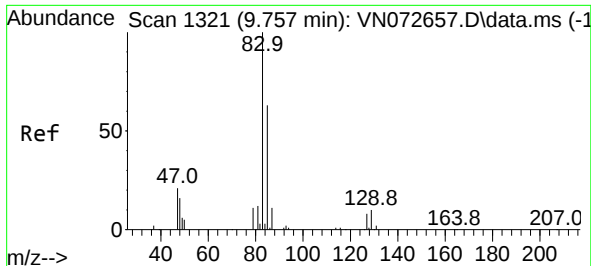
Tgt Ion:117 Resp: 1334
Ion Ratio Lower Upper
117 100
119 59.2 77.5 116.3#
121 0.0 23.5 35.3#



#38
Methylcyclohexane
Concen: 1.991 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.306 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 83 Resp: 9981
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#

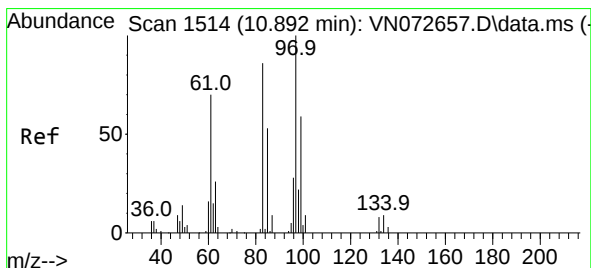
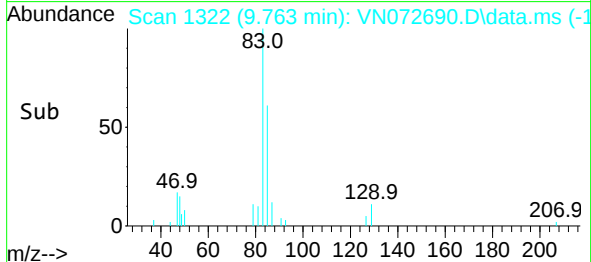
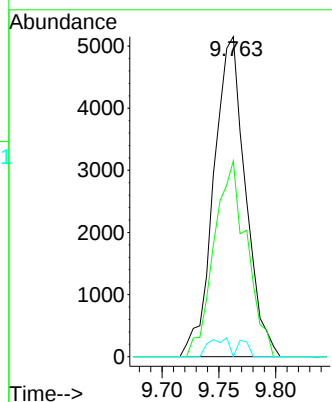
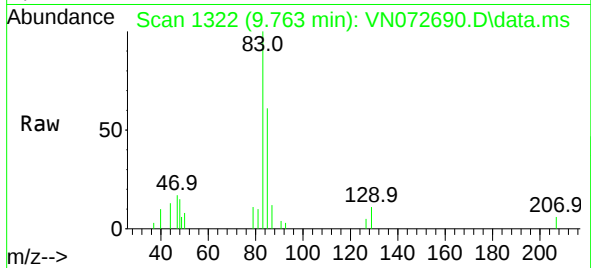




#41
Bromodichloromethane
Concen: 1.992 ug/l
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

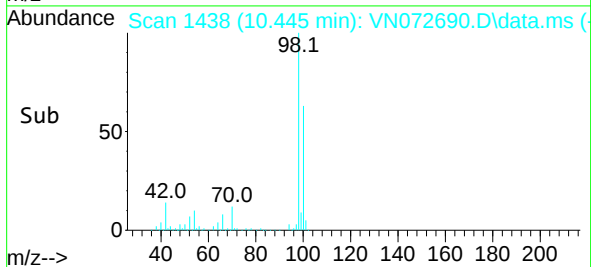
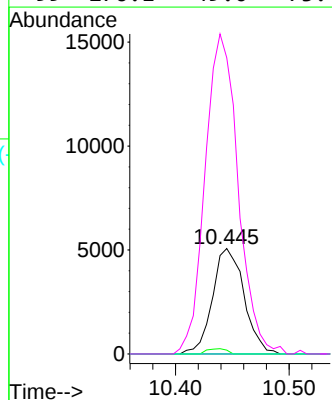
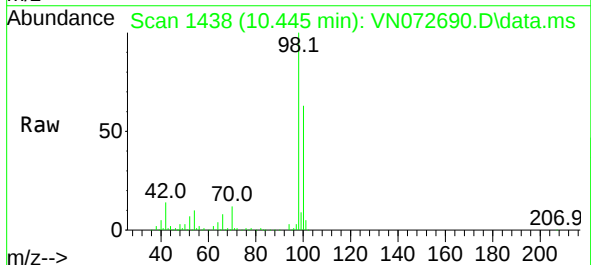
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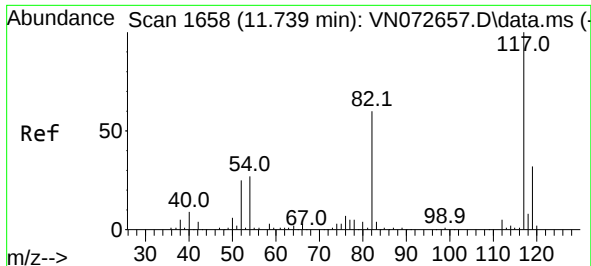
Tgt Ion: 83 Resp: 9981
Ion Ratio Lower Upper
83 100
85 61.2 54.1 81.1
127 0.0 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 2.964 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 97 Resp: 9817
Ion Ratio Lower Upper
97 100
83 3.7 67.2 100.8#
85 0.0 43.0 64.4#
99 276.1 49.0 73.4#

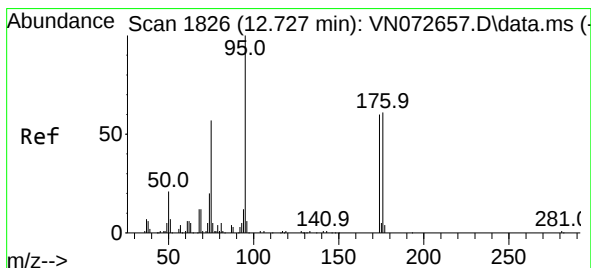
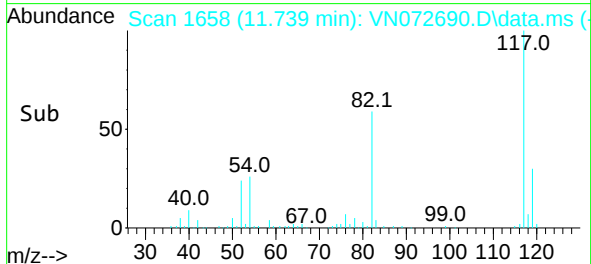
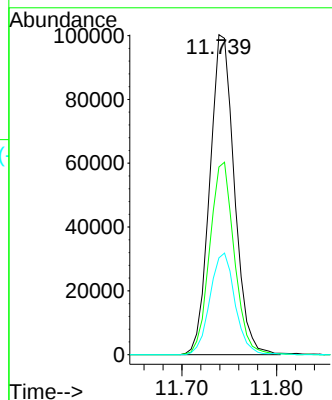
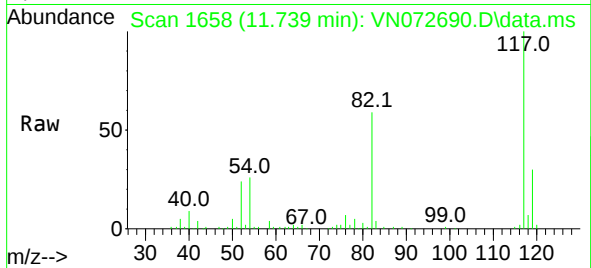




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

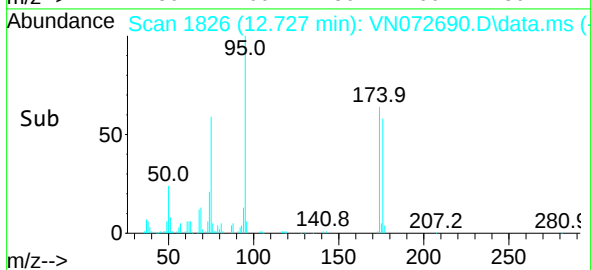
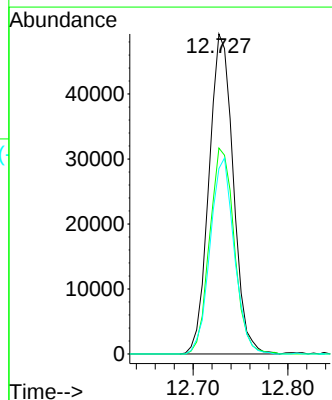
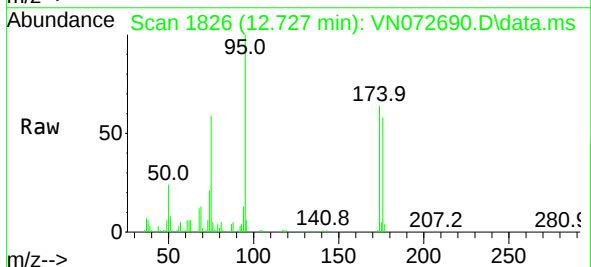
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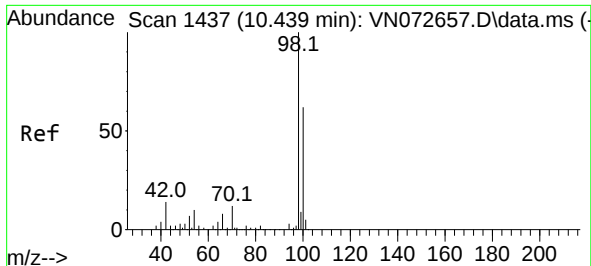
Tgt Ion:117 Resp: 181313
Ion Ratio Lower Upper
117 100
82 60.1 43.6 65.4
119 32.2 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.512 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 95 Resp: 87680
Ion Ratio Lower Upper
95 100
174 65.2 62.9 94.3
176 60.8 61.0 91.4#

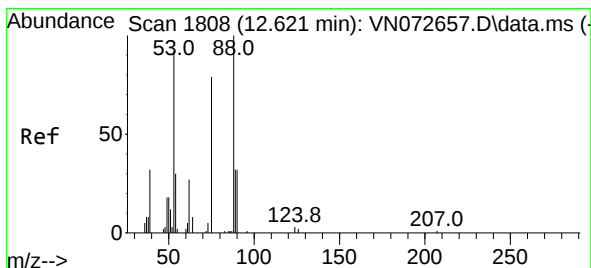
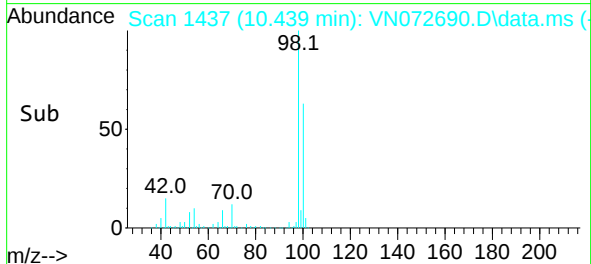
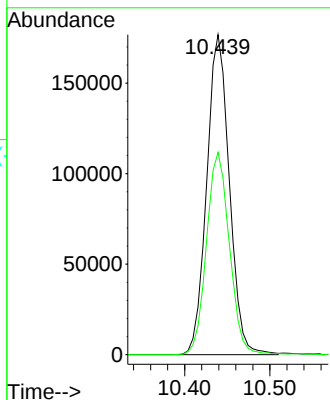
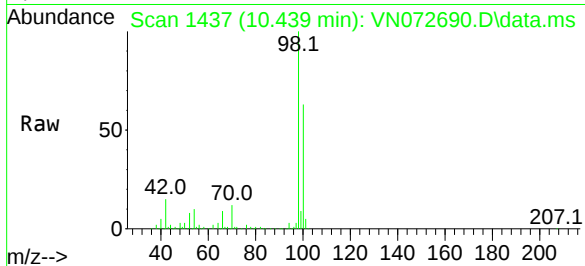




#63
Toluene-d8
Concen: 32.550 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 326929
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.621 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072690.D
Acq: 07 Jun 2022 16:07

Tgt Ion: 75 Resp: 50615
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

