

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112421\
 Data File : VN069635.D
 Acq On : 24 Nov 2021 11:30
 Operator : JC/MD
 Sample : VN1124WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 06:56:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

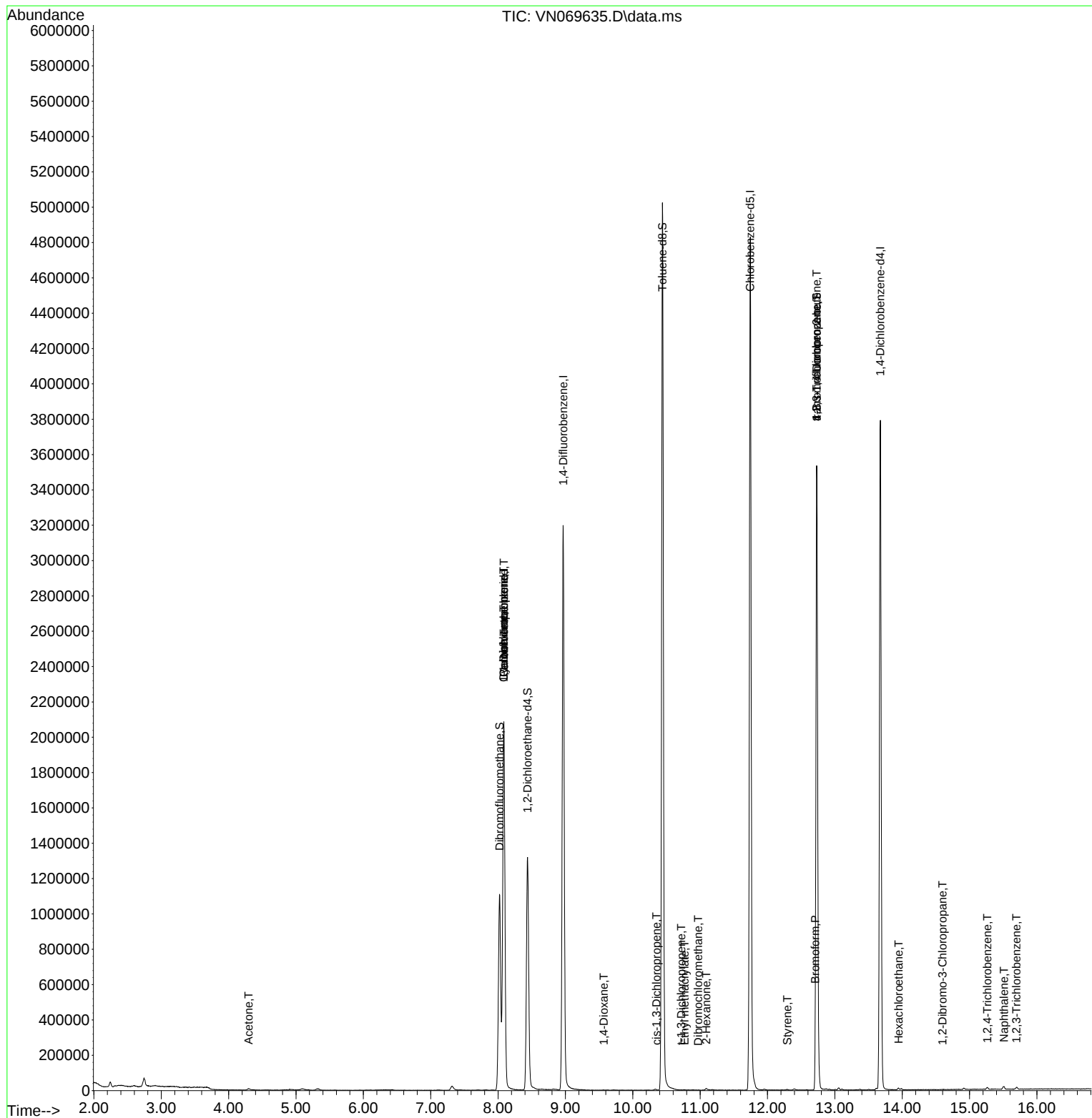
Internal Standards						
1) Pentafluorobenzene	8.086	168	1540178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2668553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2707497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1012807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1150523	51.520	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.040%	
35) Dibromofluoromethane	8.024	113	794521	49.643	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.280%	
50) Toluene-d8	10.440	98	3429064	54.476	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.960%	
62) 4-Bromofluorobenzene	12.731	95	1243387	53.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.540%	
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	570	Below Cal		90
16) Acetone	4.296	43	10496	0.871	ug/l #	86
31) Cyclohexane	8.083	56	40339	1.322	ug/l #	44
36) 1,1-Dichloropropene	8.083	75	134211	5.977	ug/l #	49
38) Carbon Tetrachloride	8.086	117	161462	7.448	ug/l #	16
49) 1,4-Dioxane	9.569	88	123	39.319	ug/l #	1
53) t-1,3-Dichloropropene	10.719	75	339	2.649	ug/l #	55
54) cis-1,3-Dichloropropene	10.352	75	59	1.735	ug/l #	57
56) Ethyl methacrylate	10.770	69	383	2.064	ug/l #	1
59) 2-Hexanone	11.089	43	9436	8.286	ug/l	75
60) Dibromochloromethane	10.969	129	201	2.427	ug/l #	11
70) Styrene	12.296	104	1295	1.541	ug/l #	63
71) Bromoform	12.707	173	253	3.443	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	693515	29.671	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	693515	83.886	ug/l #	5
90) Hexachloroethane	13.948	117	146	2.174	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.600	75	137	1.823	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.263	180	3498	3.319	ug/l	95
95) Naphthalene	15.509	128	14260	4.740	ug/l	98
96) 1,2,3-Trichlorobenzene	15.694	180	3867	3.407	ug/l	93

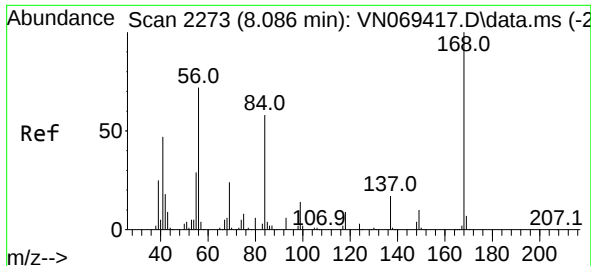
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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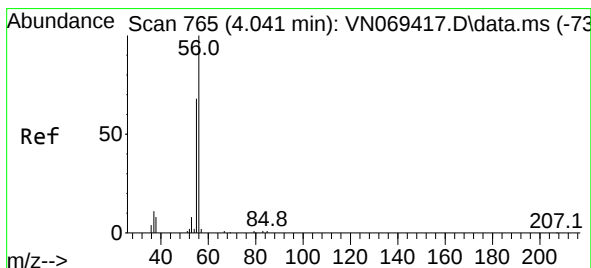
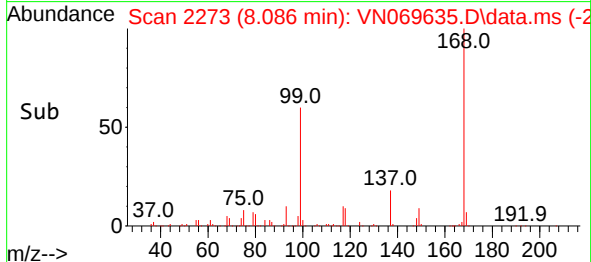
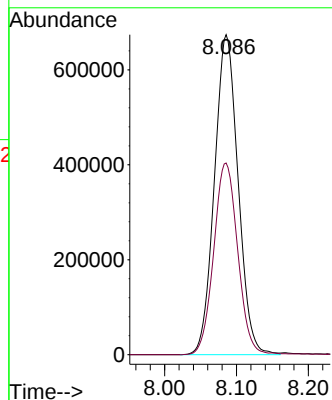
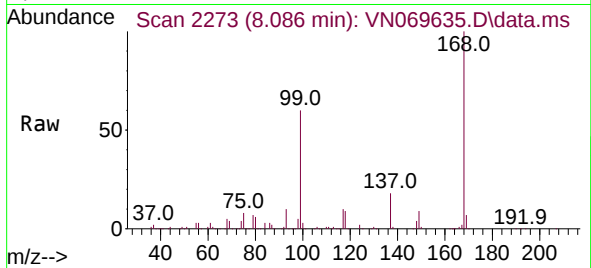




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

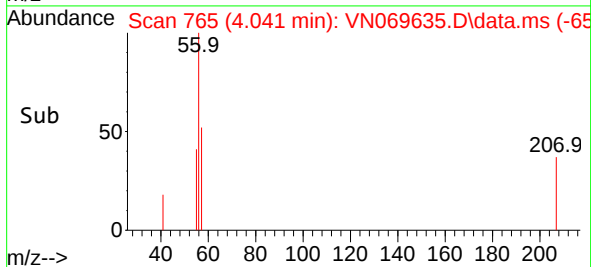
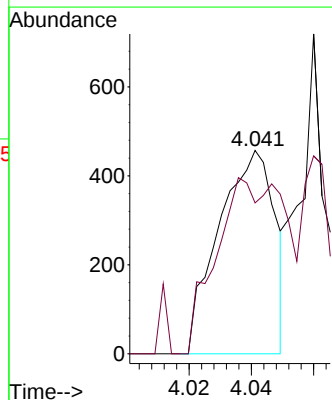
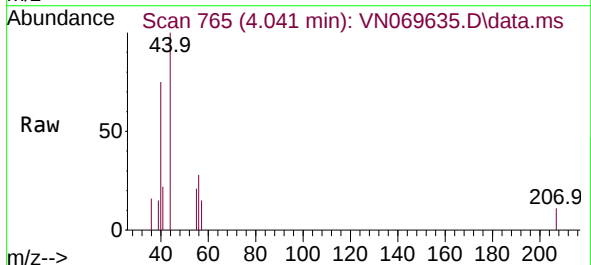
Instrument :
MSVOA_N
ClientSampleId :

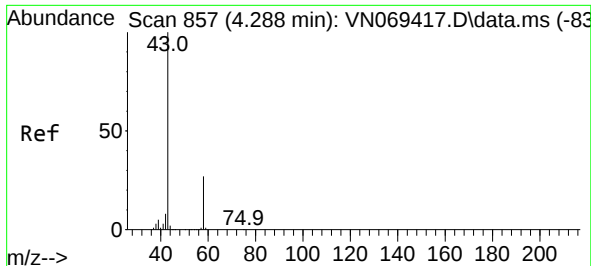
Tgt Ion:168 Resp: 1540178
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 56 Resp: 570
Ion Ratio Lower Upper
56 100
55 62.5 56.6 85.0

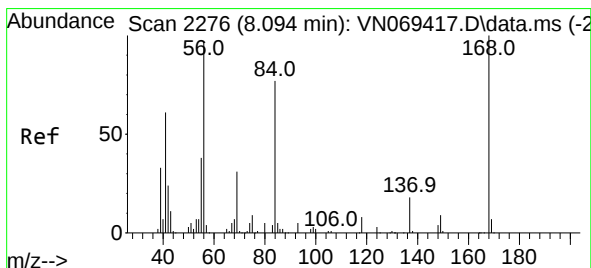
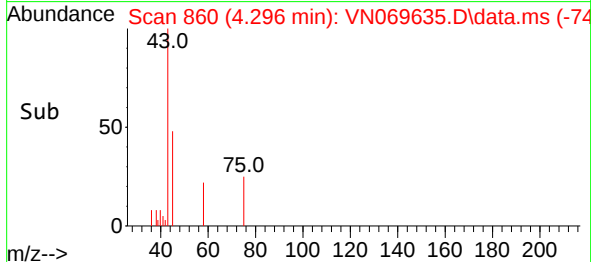
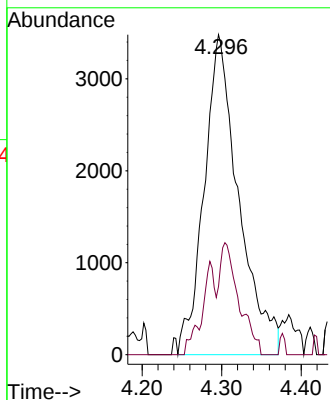
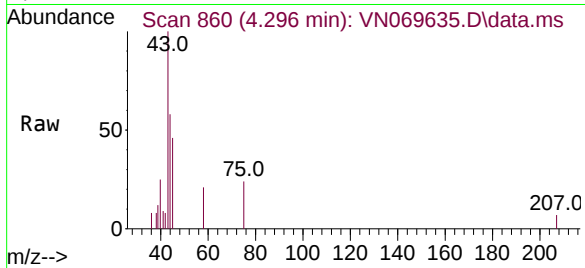




#16
Acetone
Concen: 0.871 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

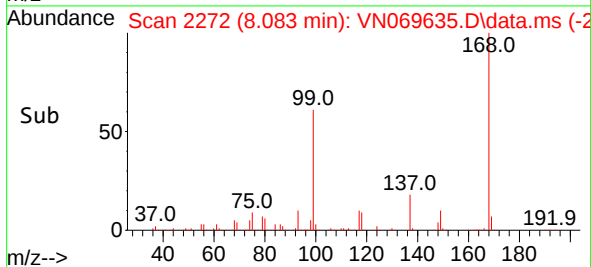
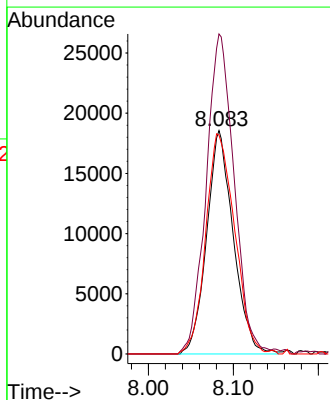
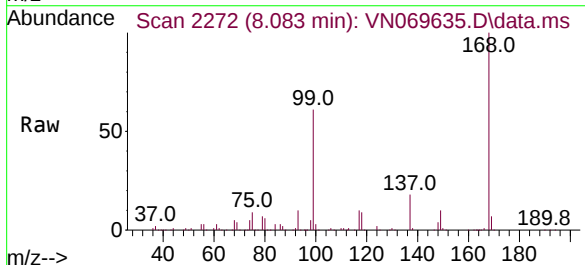
Instrument :
MSVOA_N
ClientSampleId :

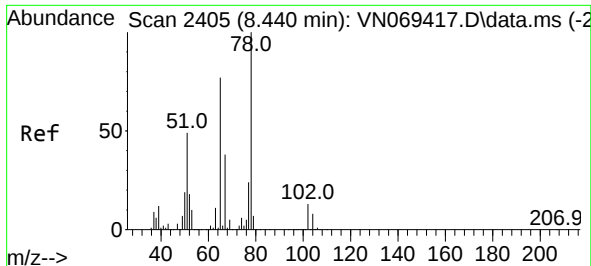
Tgt Ion: 43 Resp: 10496
Ion Ratio Lower Upper
43 100
58 21.3 23.1 34.7#



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 56 Resp: 40339
Ion Ratio Lower Upper
56 100
69 143.3 27.1 40.7#
84 98.0 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.520 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN069635.D

Acq: 24 Nov 2021 11:30

Instrument :

MSVOA_N

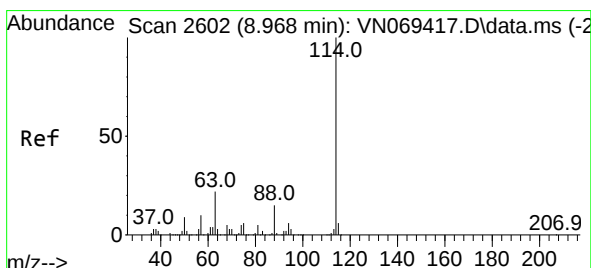
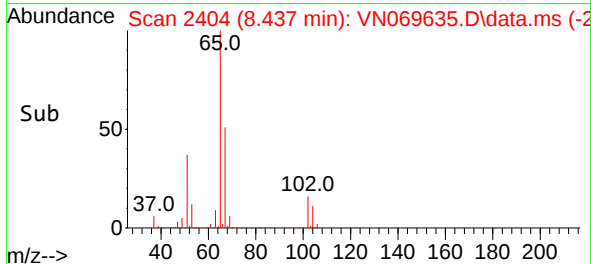
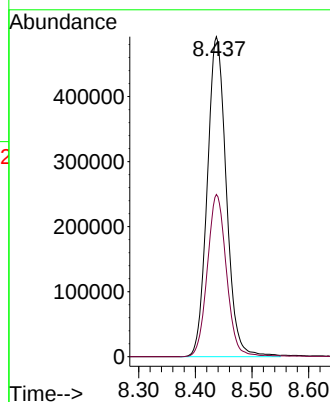
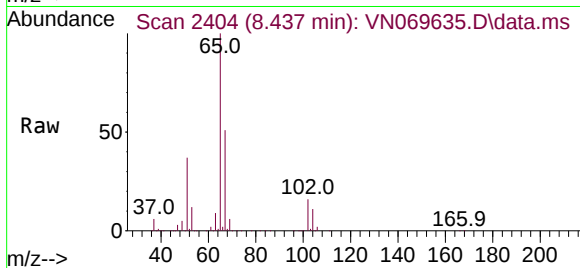
ClientSampleId :

Tgt Ion: 65 Resp: 1150523

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069635.D

Acq: 24 Nov 2021 11:30

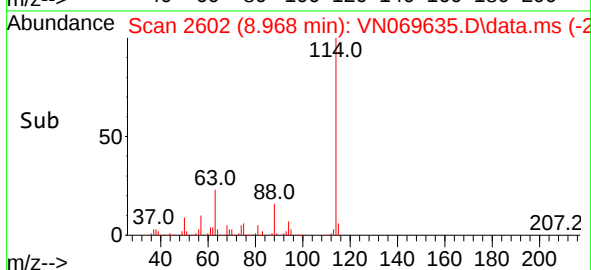
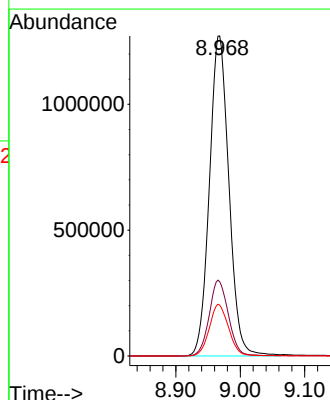
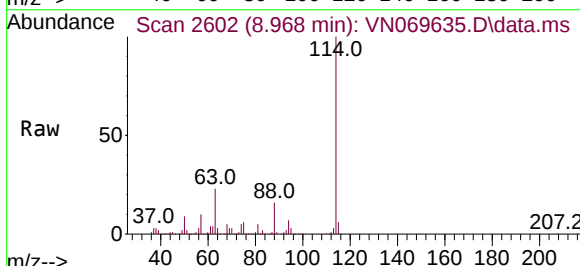
Tgt Ion: 114 Resp: 2668553

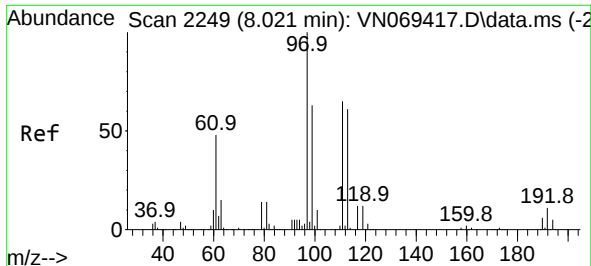
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

88 15.9 0.0 27.4

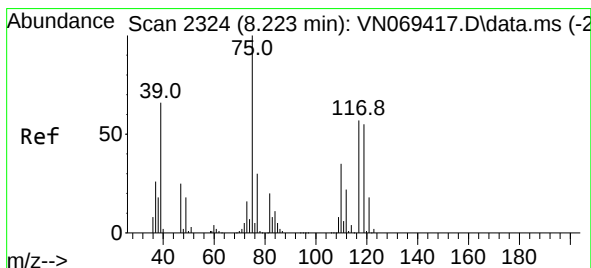
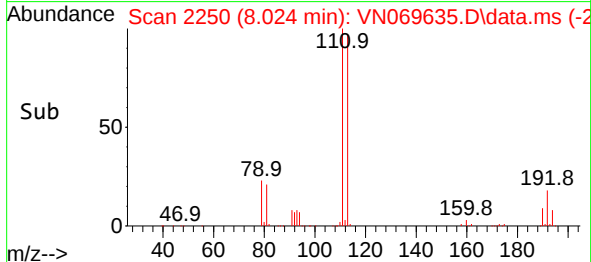
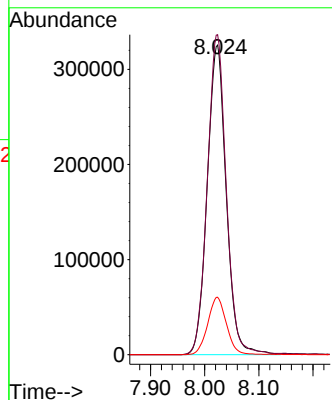
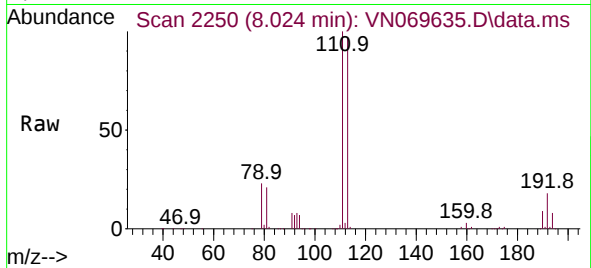




#35
Dibromofluoromethane
Concen: 49.643 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

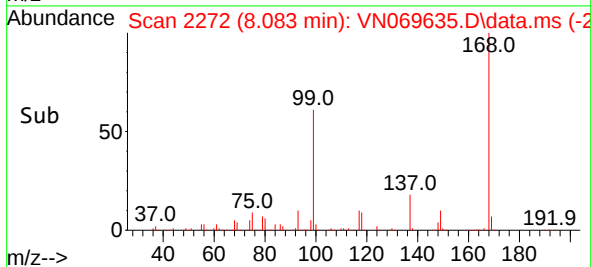
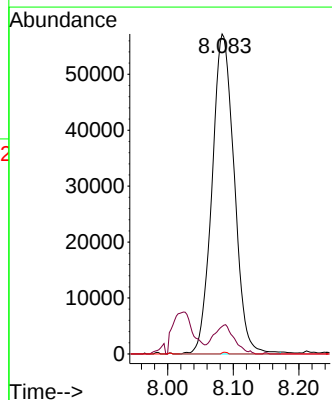
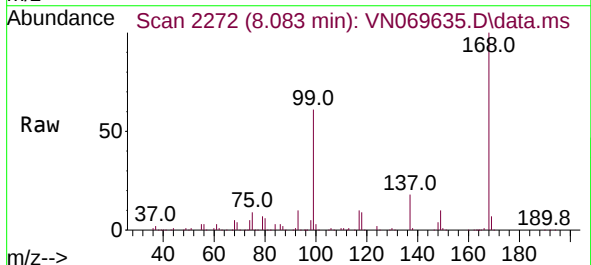
Instrument :
MSVOA_N
ClientSampleId :

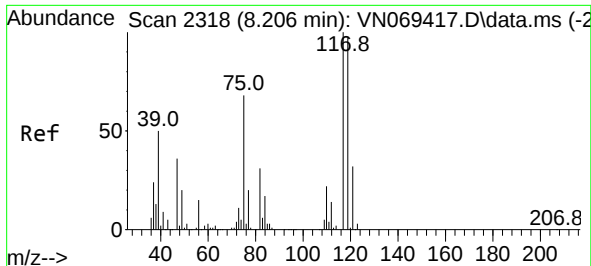
Tgt Ion:113 Resp: 794521
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.977 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.140 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

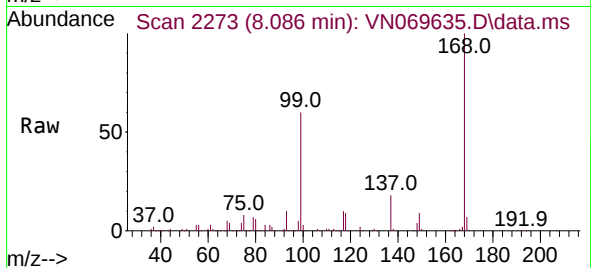
Tgt Ion: 75 Resp: 134211
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.1 24.4 36.6#



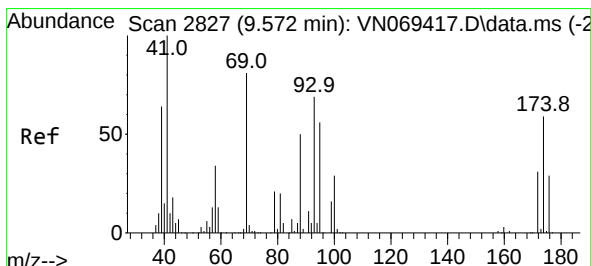
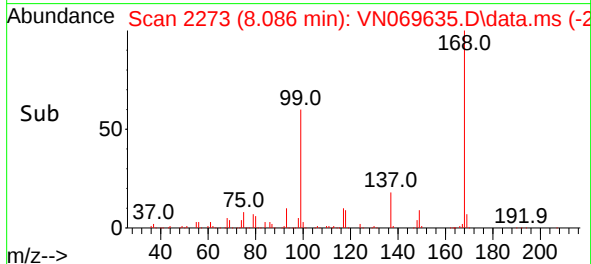
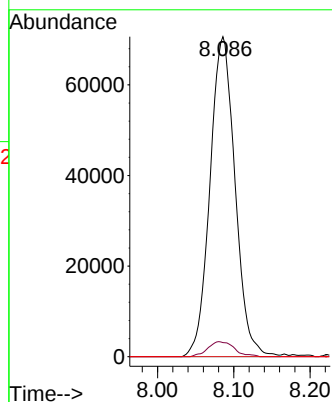


#38
Carbon Tetrachloride
Concen: 7.448 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

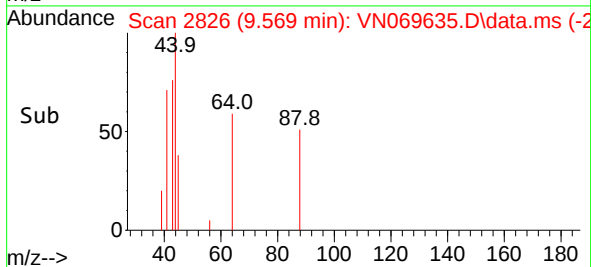
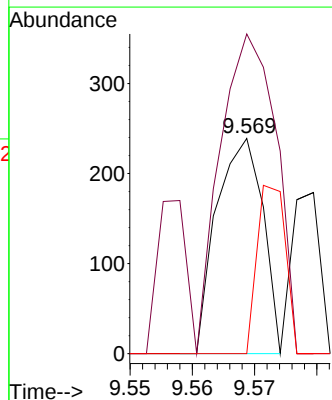
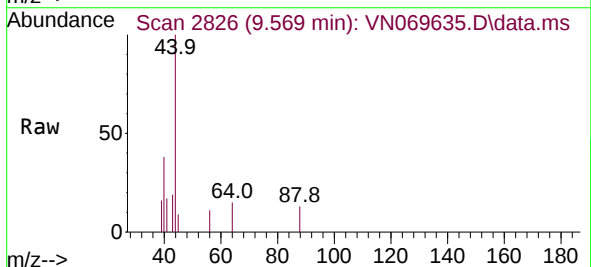


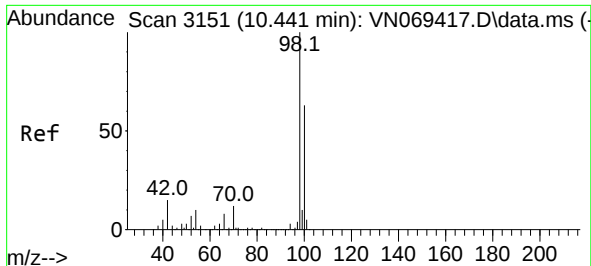
Tgt Ion:117 Resp: 161462
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.319 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.003 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 179.7 23.4 35.2#
58 48.0 50.6 75.8#

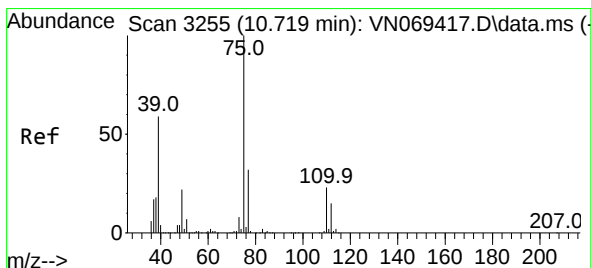
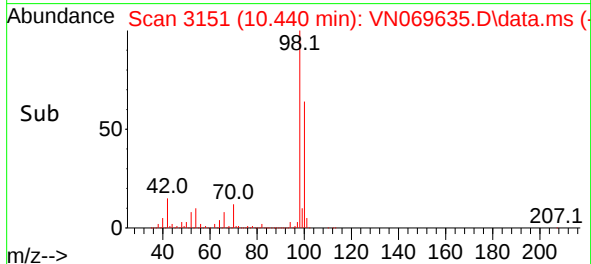
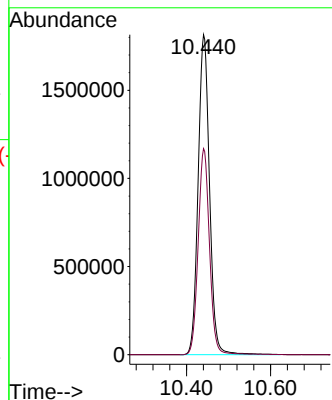
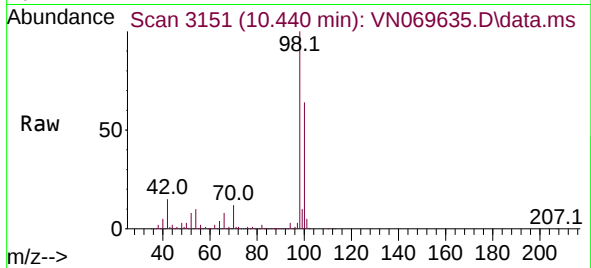




#50
Toluene-d8
Concen: 54.476 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

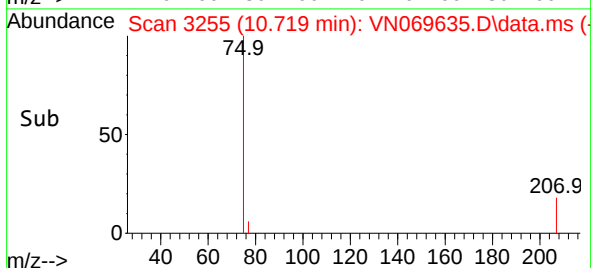
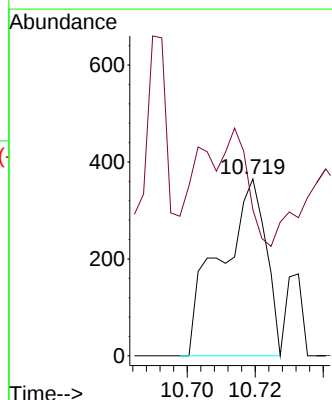
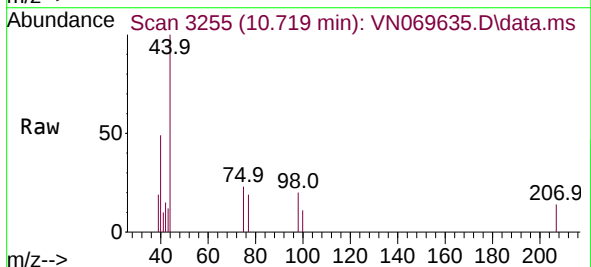
Instrument :
MSVOA_N
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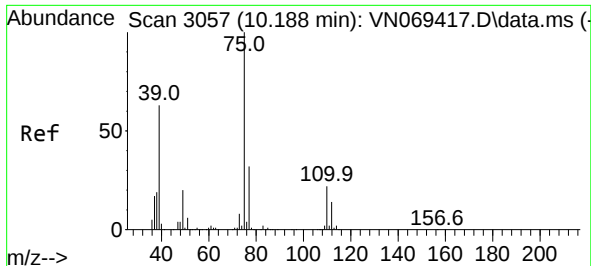
Tgt Ion: 98 Resp: 3429064
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.649 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

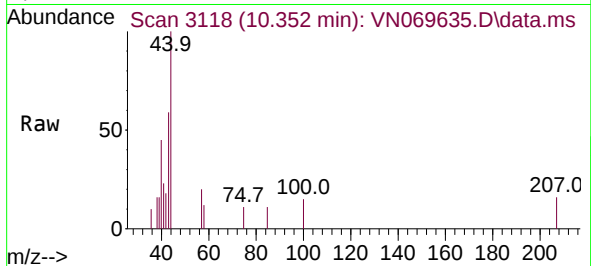
Tgt Ion: 75 Resp: 339
Ion Ratio Lower Upper
75 100
77 7.1 25.6 38.4#



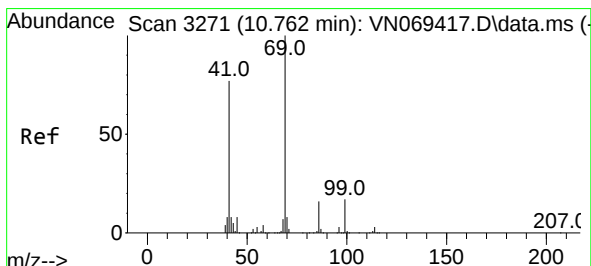
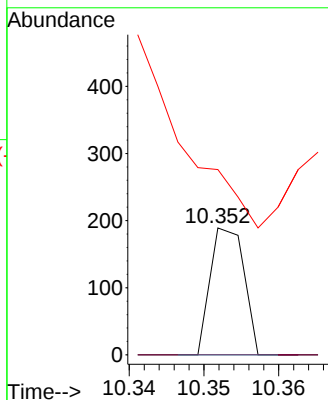
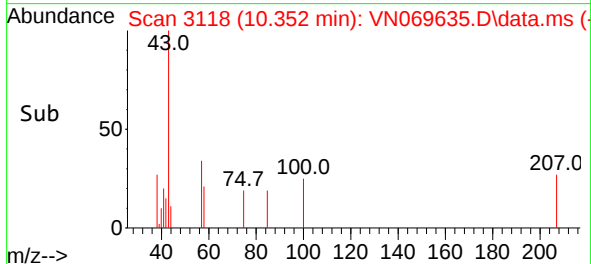


#54
 cis-1,3-Dichloropropene
 Concen: 1.735 ug/l
 RT: 10.352 min Scan# 3118
 Delta R.T. 0.164 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

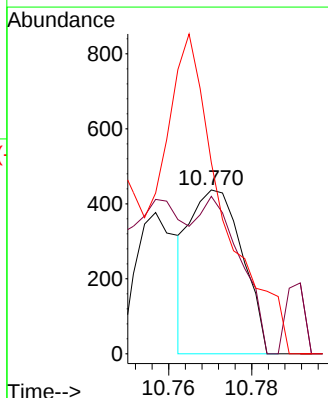
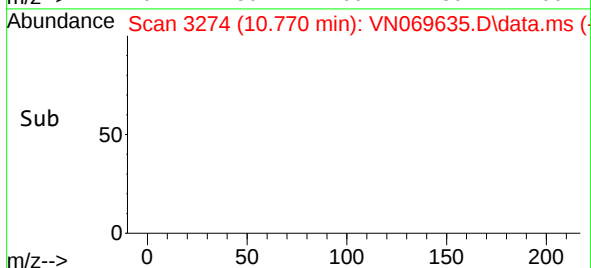
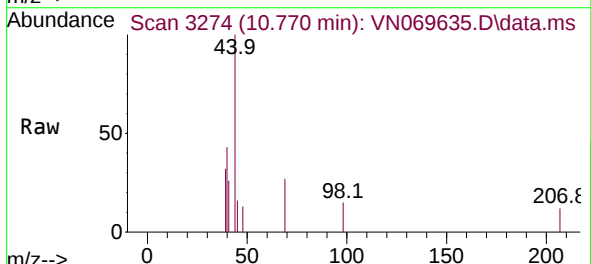


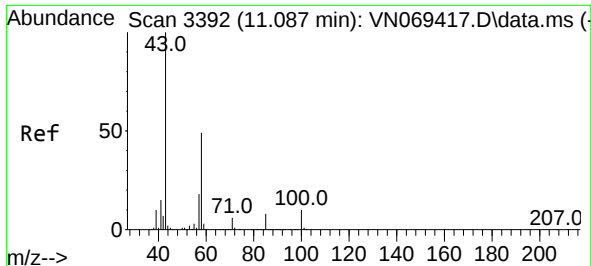
Tgt Ion: 75	Resp: 59
Ion Ratio	Lower Upper
75	100
77	0.0 26.4 39.6#
39	29.6 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.064 ug/l
 RT: 10.770 min Scan# 3274
 Delta R.T. 0.008 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

Tgt Ion: 69	Resp: 383
Ion Ratio	Lower Upper
69	100
41	0.0 51.4 77.0#
39	218.8 34.6 52.0#

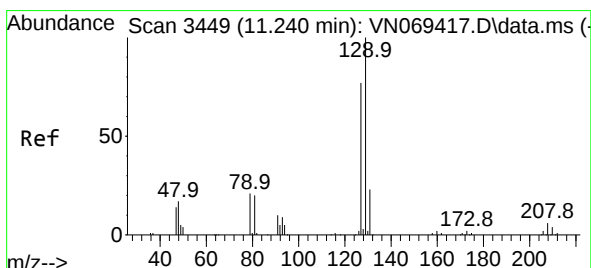
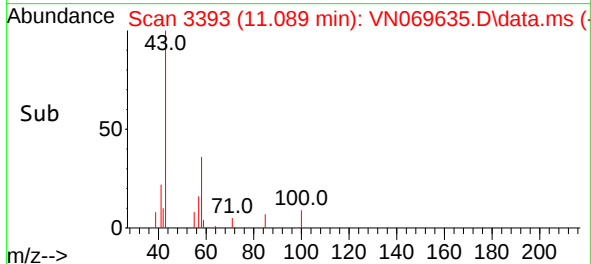
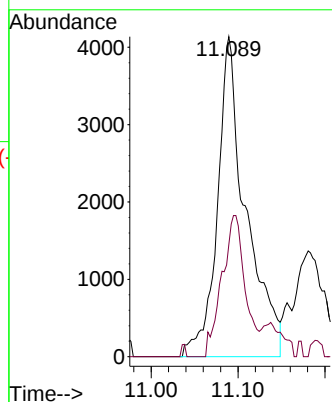
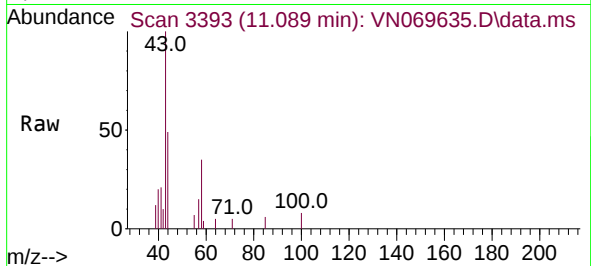




#59
2-Hexanone
Concen: 8.286 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

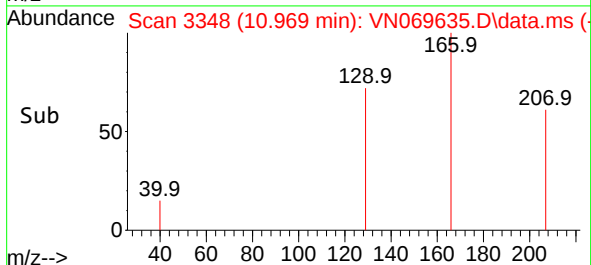
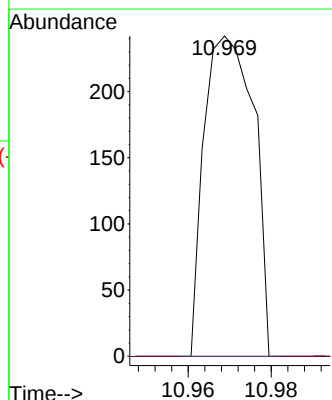
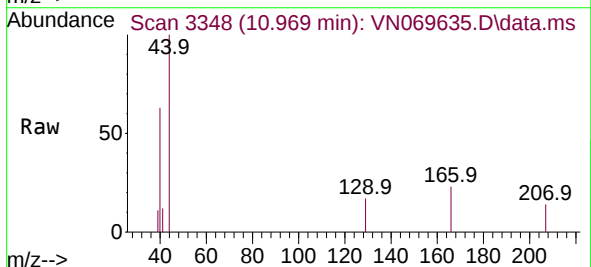
Instrument :
MSVOA_N
ClientSampleId :

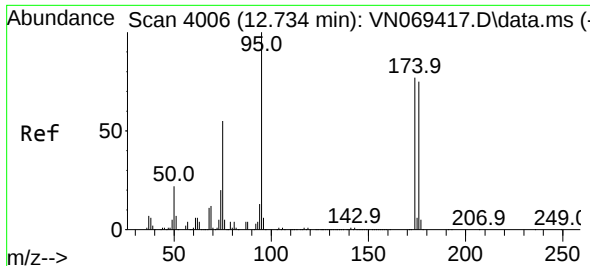
Tgt Ion: 43 Resp: 9436
Ion Ratio Lower Upper
43 100
58 35.9 26.9 80.7



#60
Dibromochloromethane
Concen: 2.427 ug/l
RT: 10.969 min Scan# 3348
Delta R.T. -0.271 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 129 Resp: 201
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

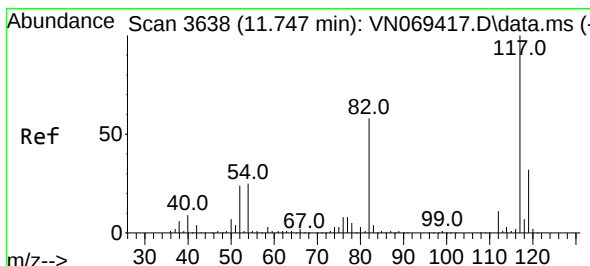
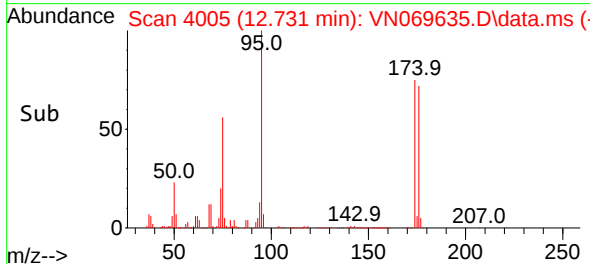
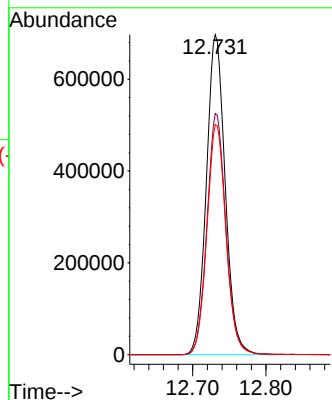
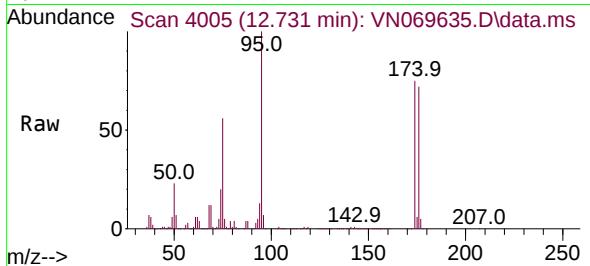




#62
4-Bromofluorobenzene
Concen: 53.770 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

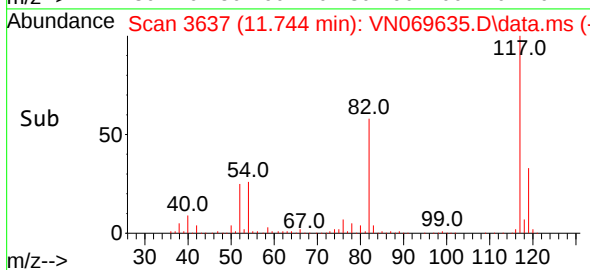
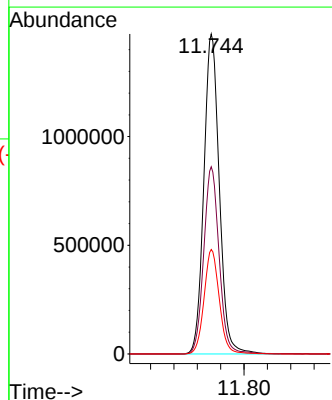
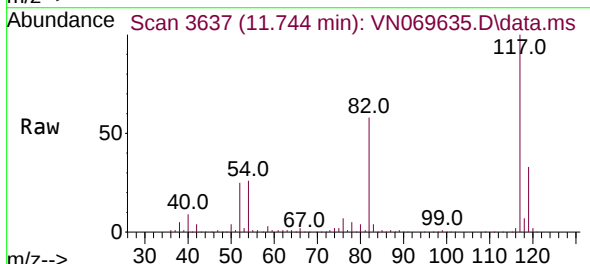
Instrument :
MSVOA_N
ClientSampleId :

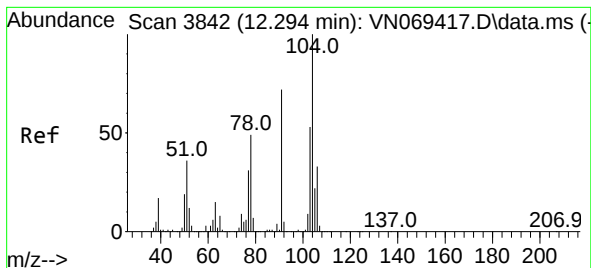
Tgt Ion: 95 Resp: 1243387
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 117 Resp: 2707497
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.7 25.4 38.2





#70

Styrene

Concen: 1.541 ug/l

RT: 12.296 min Scan# 3842

Delta R.T. 0.002 min

Lab File: VN069635.D

Acq: 24 Nov 2021 11:30

Instrument :

MSVOA_N

ClientSampleId :

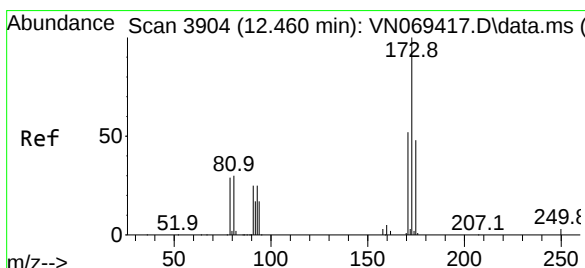
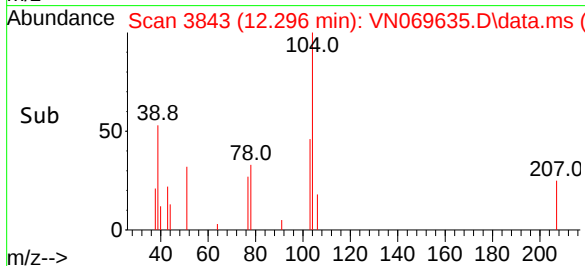
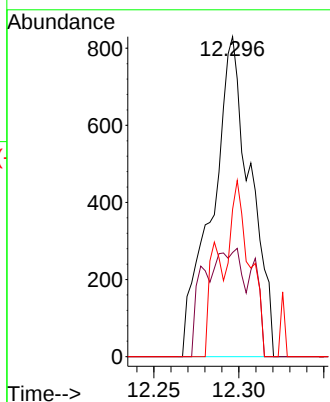
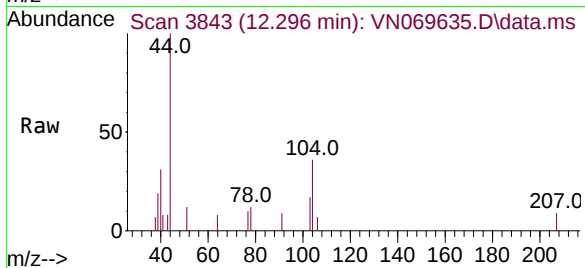
Tgt Ion:104 Resp: 1295

Ion Ratio Lower Upper

104 100

78 24.2 38.7 58.1#

103 29.1 45.0 67.6#



#71

Bromoform

Concen: 3.443 ug/l

RT: 12.707 min Scan# 3996

Delta R.T. 0.247 min

Lab File: VN069635.D

Acq: 24 Nov 2021 11:30

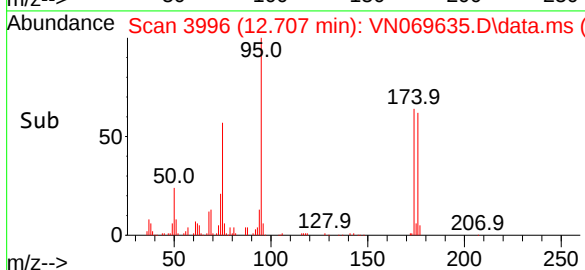
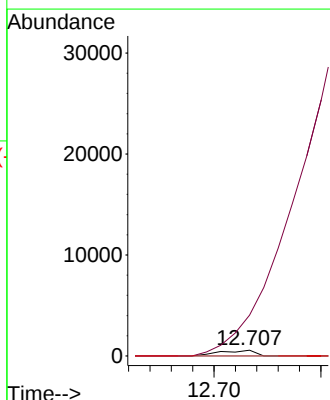
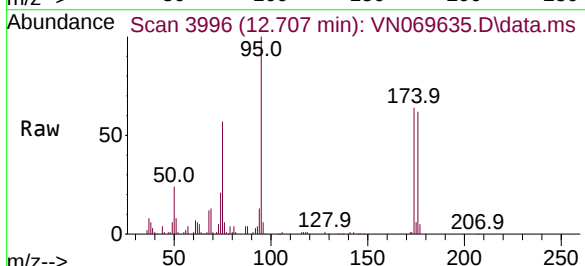
Tgt Ion:173 Resp: 253

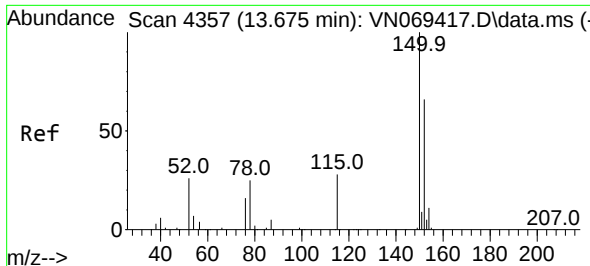
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

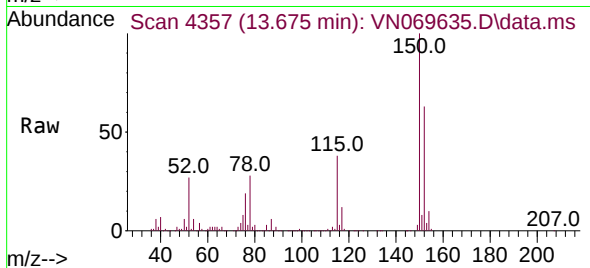
254 0.0 0.0 0.0



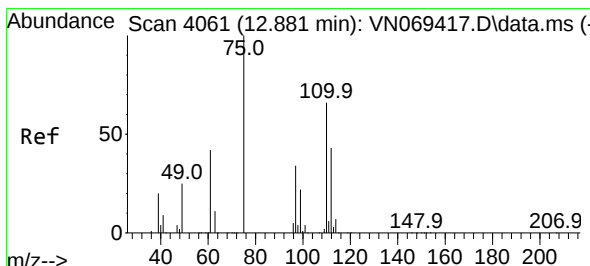
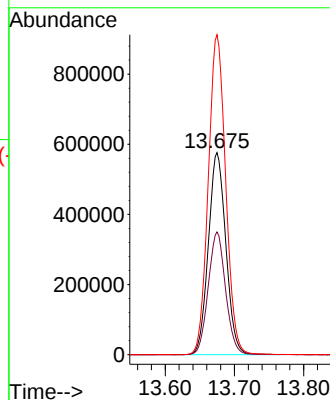
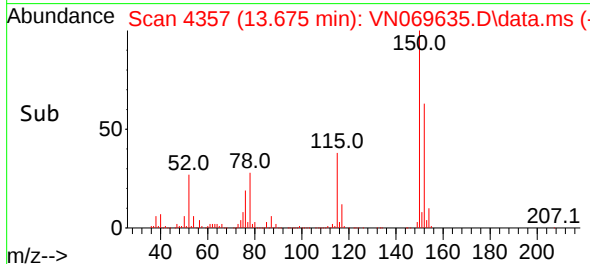


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

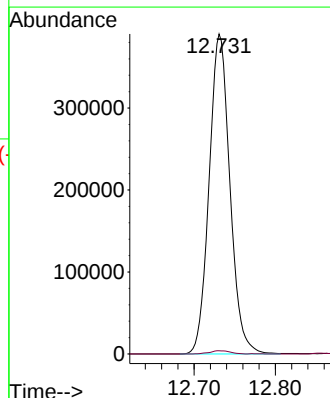
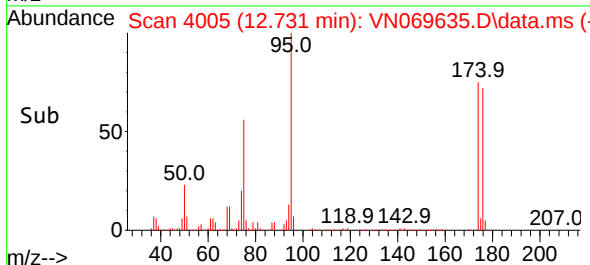
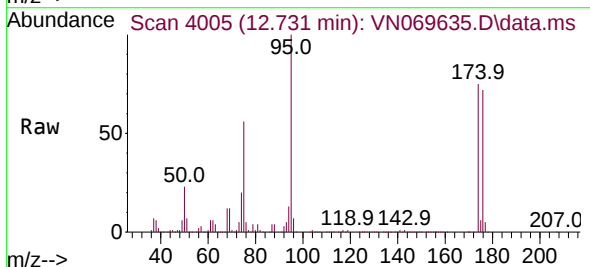


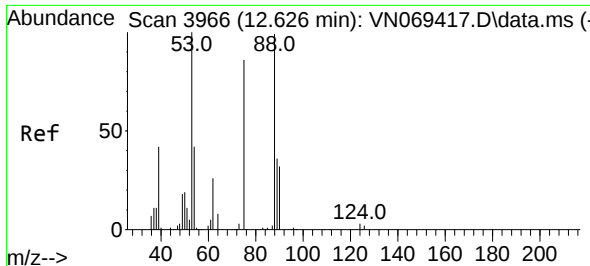
Tgt Ion:152 Resp: 1012807
 Ion Ratio Lower Upper
 152 100
 115 60.3 27.5 82.5
 150 157.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.671 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

Tgt Ion: 75 Resp: 693515
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

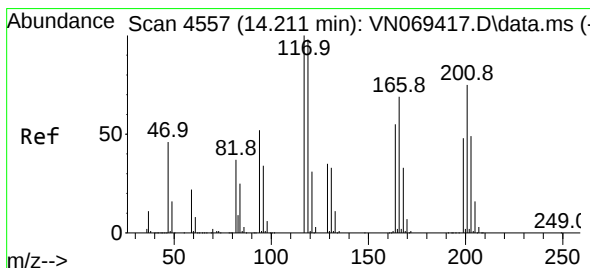
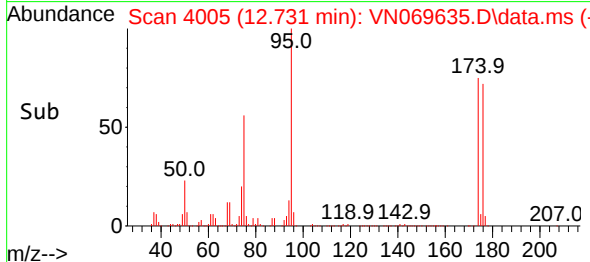
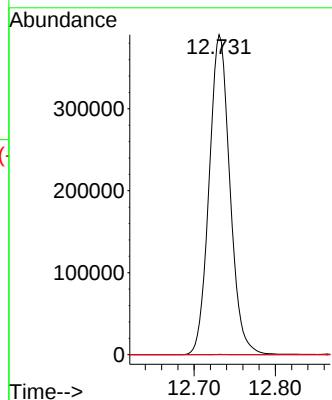
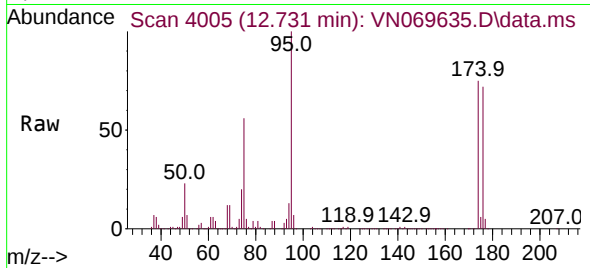




#81
trans-1,4-Dichloro-2-butene
Concen: 83.886 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

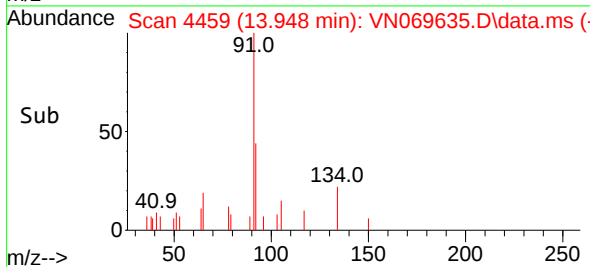
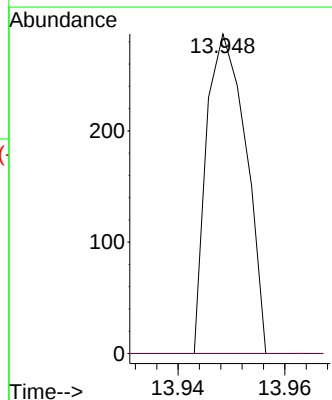
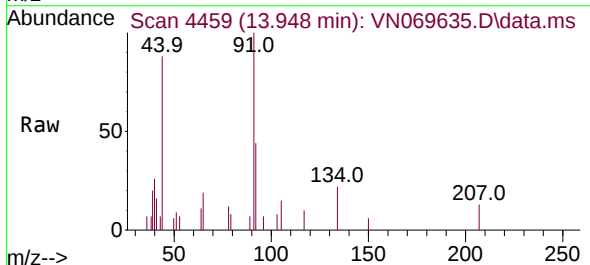
Instrument :
MSVOA_N
ClientSampleId :

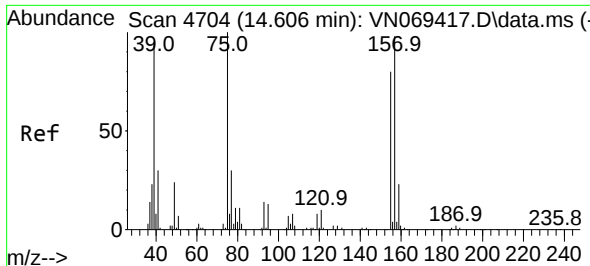
Tgt Ion: 75 Resp: 693515
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.174 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. -0.263 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion: 117 Resp: 146
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

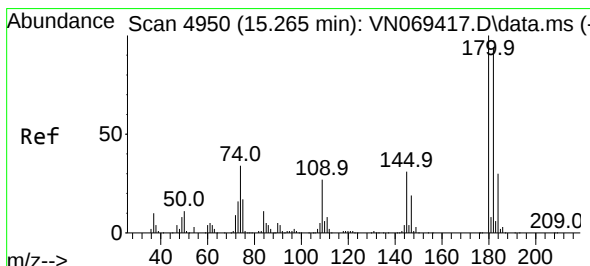
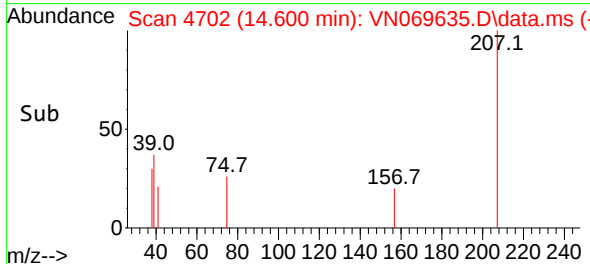
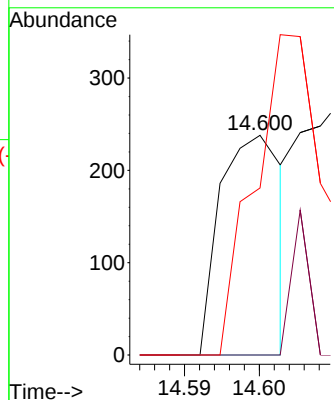
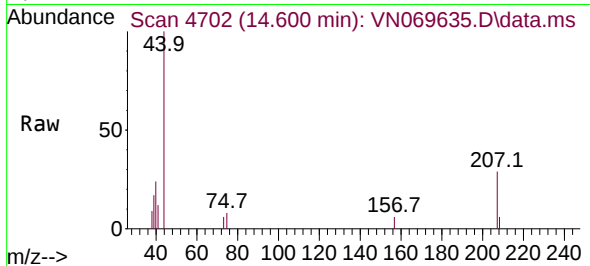




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.823 ug/l
 RT: 14.600 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

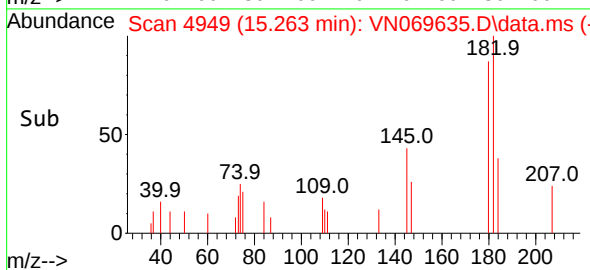
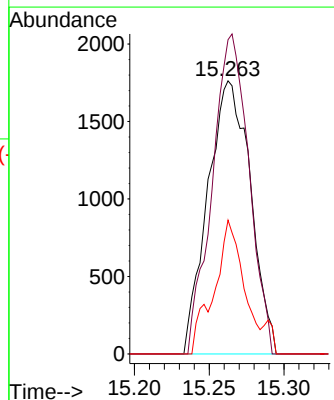
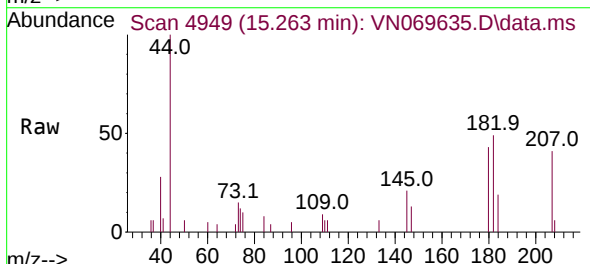
Instrument :
 MSVOA_N
 ClientSampleId :

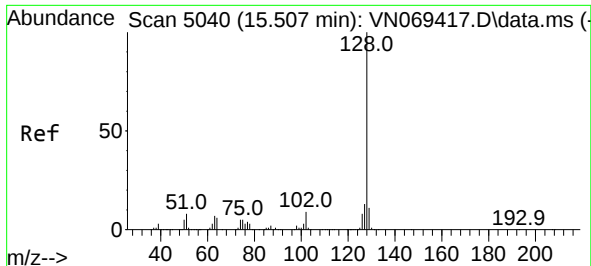
Tgt Ion: 75 Resp: 137
 Ion Ratio Lower Upper
 75 100
 155 18.2 46.9 140.7#
 157 162.0 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.319 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN069635.D
 Acq: 24 Nov 2021 11:30

Tgt Ion: 180 Resp: 3498
 Ion Ratio Lower Upper
 180 100
 182 100.8 48.3 144.9
 145 34.0 14.5 43.5

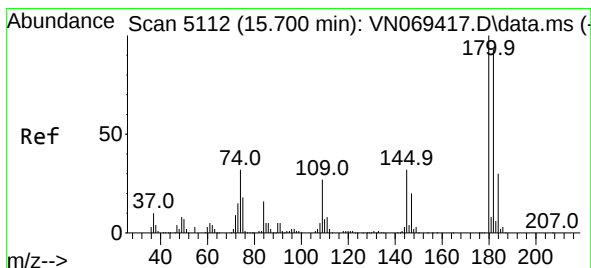
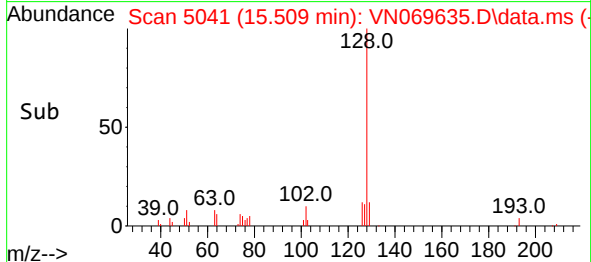
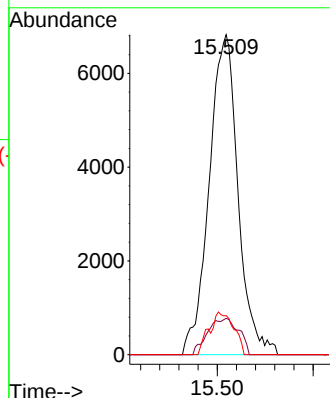
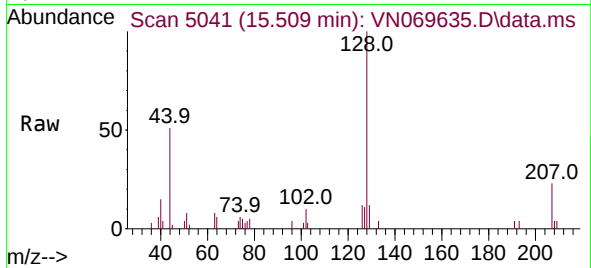




#95
Naphthalene
Concen: 4.740 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 14260
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.407 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN069635.D
Acq: 24 Nov 2021 11:30

Tgt Ion:180 Resp: 3867
Ion Ratio Lower Upper
180 100
182 86.7 47.4 142.2
145 28.3 15.0 45.1

