

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069508.D
 Acq On : 16 Nov 2021 15:03
 Operator : JC/MD
 Sample : M4660-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 16:19:22 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)

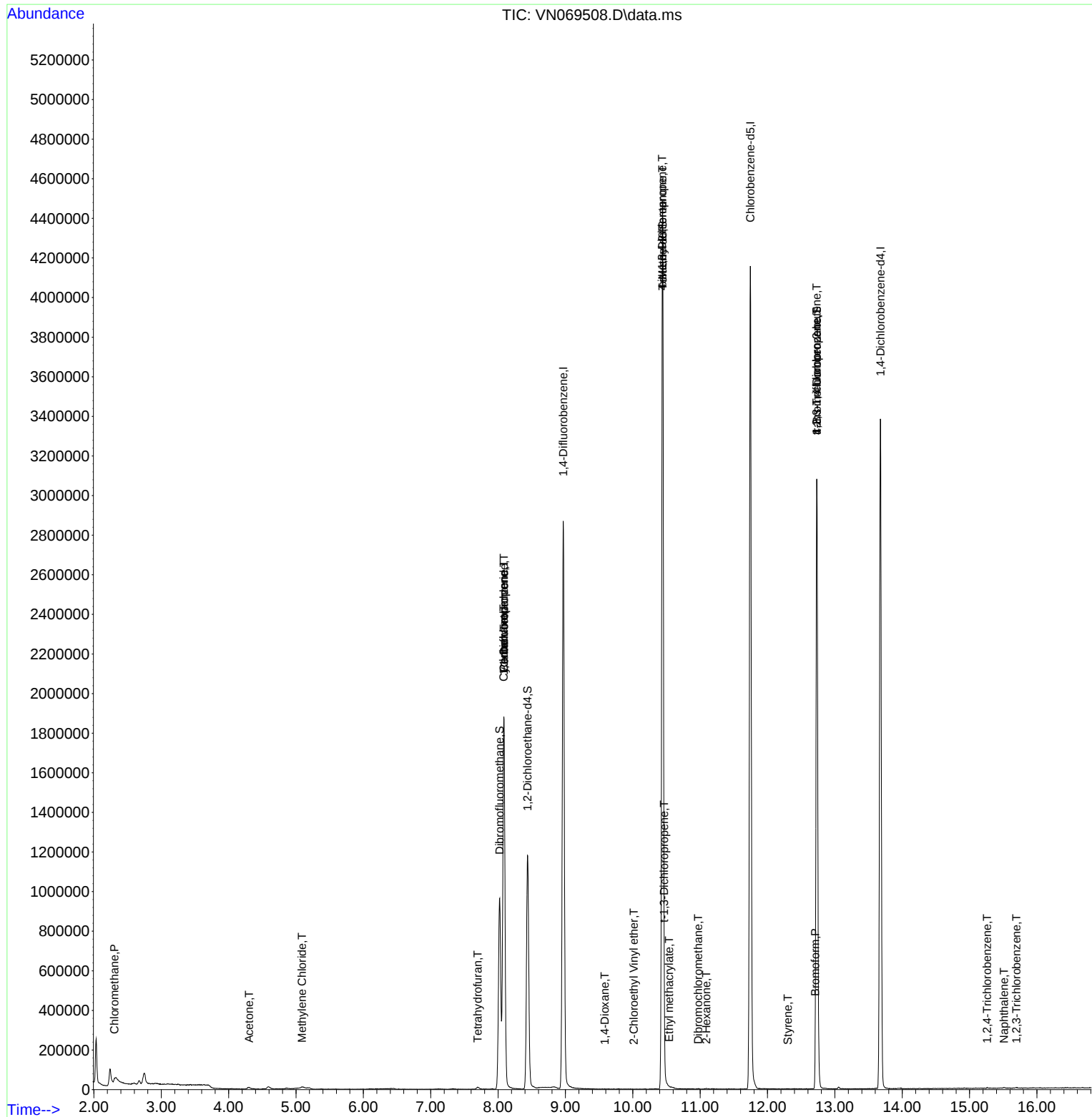
Internal Standards						
1) Pentafluorobenzene	8.086	168	1390430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2420480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2381927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	903320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1020941	50.641	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.280%	
35) Dibromofluoromethane	8.021	113	703995	48.494	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.980%	
50) Toluene-d8	10.443	98	3083518	54.007	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.733	95	1074999	51.252	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4292	0.249	ug/l #	85
13) Acrolein	4.049	56	1215	Below Cal	#	42
16) Acetone	4.301	43	13805	1.269	ug/l	92
20) Methylene Chloride	5.090	84	4077	0.264	ug/l	94
29) Tetrahydrofuran	7.697	42	4981	0.551	ug/l #	76
31) Cyclohexane	8.083	56	36163	1.313	ug/l #	32
36) 1,1-Dichloropropene	8.088	75	118898	5.838	ug/l #	49
38) Carbon Tetrachloride	8.086	117	145313	7.390	ug/l #	17
49) 1,4-Dioxane	9.585	88	63	39.206	ug/l #	1
51) 4-Methyl-2-Pentanone	10.440	43	16326	0.572	ug/l #	1
53) t-1,3-Dichloropropene	10.467	75	71	2.640	ug/l #	1
54) cis-1,3-Dichloropropene	10.435	75	505	1.751	ug/l #	1
56) Ethyl methacrylate	10.537	69	154	2.058	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.017	63	25	22.773	ug/l #	45
59) 2-Hexanone	11.092	43	2310	8.035	ug/l	65
60) Dibromochloromethane	10.969	129	374	2.438	ug/l #	11
70) Styrene	12.302	104	176	1.523	ug/l #	35
71) Bromoform	12.707	173	39	3.430	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	605947	29.067	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	605947	82.296	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	351	3.137	ug/l #	81
95) Naphthalene	15.512	128	3624	4.533	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.697	180	477	3.202	ug/l #	81

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration

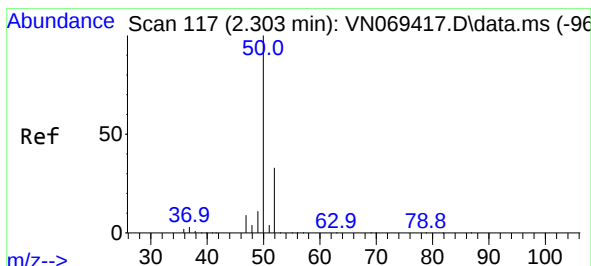
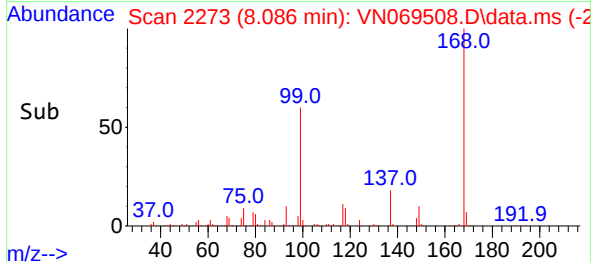
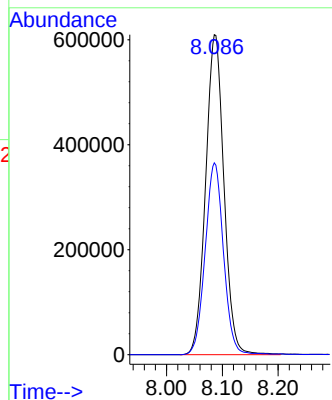
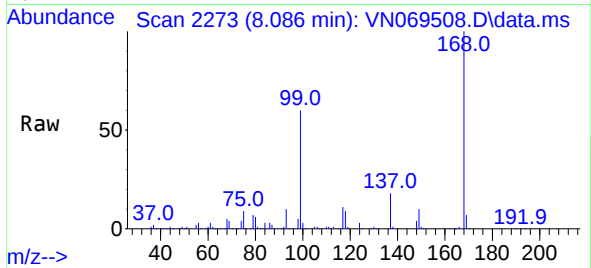




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

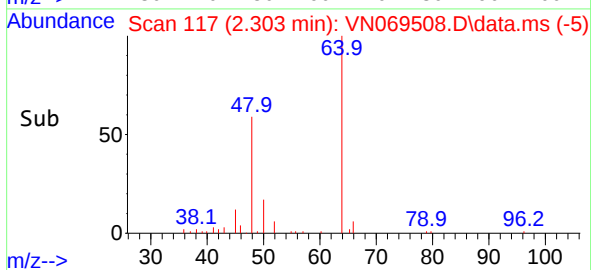
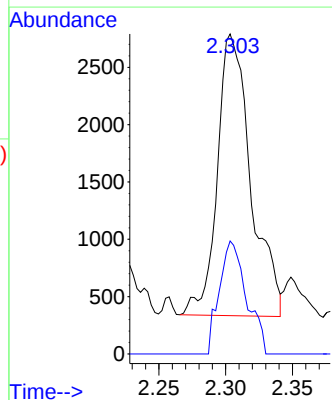
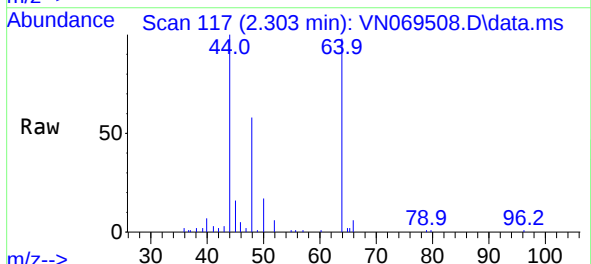
Instrument :
MSVOA_N
ClientSampleId :

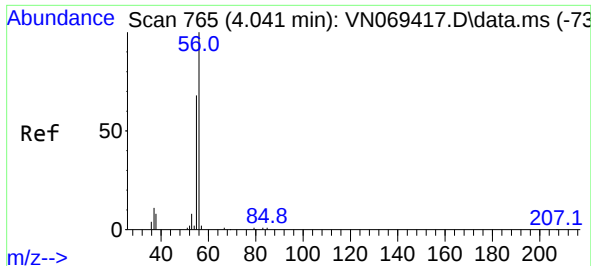
Tgt Ion:168 Resp: 1390430
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion: 50 Resp: 4292
Ion Ratio Lower Upper
50 100
52 40.2 25.4 38.0#

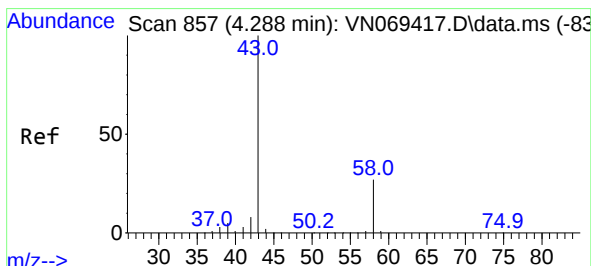
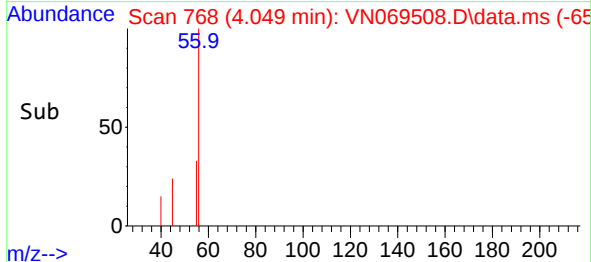
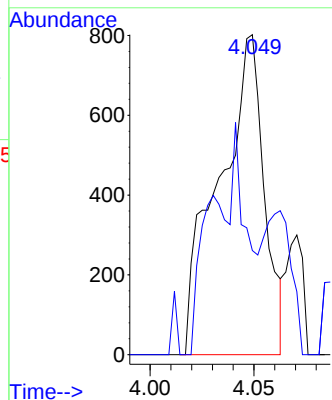
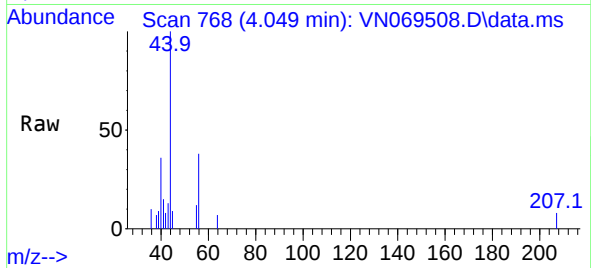




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

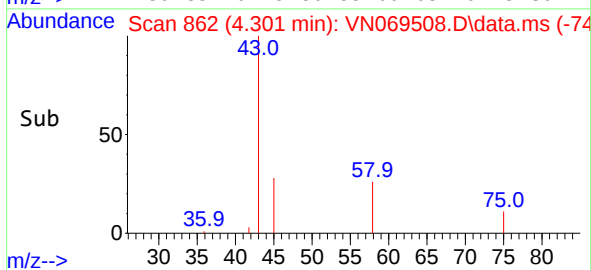
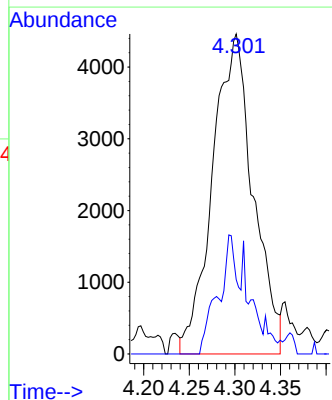
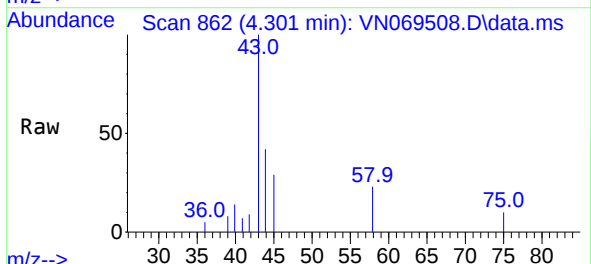
Instrument :
MSVOA_N
ClientSampleId :

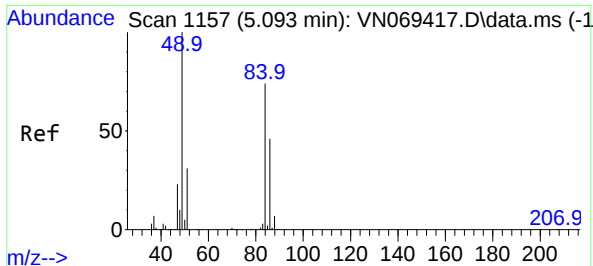
Tgt Ion: 56 Resp: 1215
Ion Ratio Lower Upper
56 100
55 23.0 56.6 85.0#



#16
Acetone
Concen: 1.269 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion: 43 Resp: 13805
Ion Ratio Lower Upper
43 100
58 24.5 23.1 34.7





#20

Methylene Chloride

Concen: 0.264 ug/l

RT: 5.090 min Scan# 1157

Delta R.T. -0.003 min

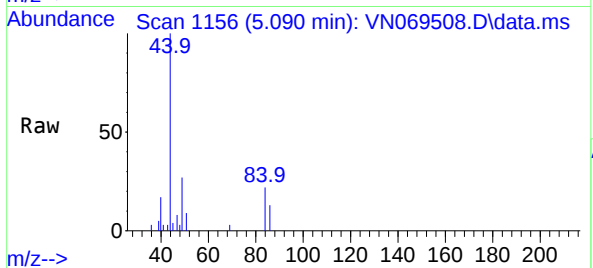
Lab File: VN069508.D

Acq: 16 Nov 2021 15:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 4077

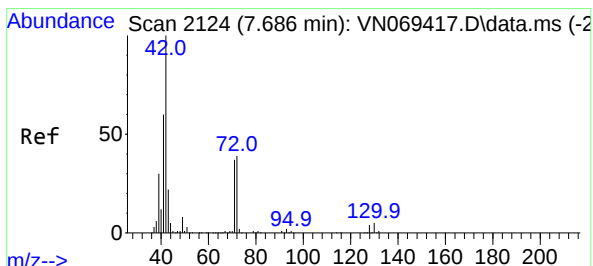
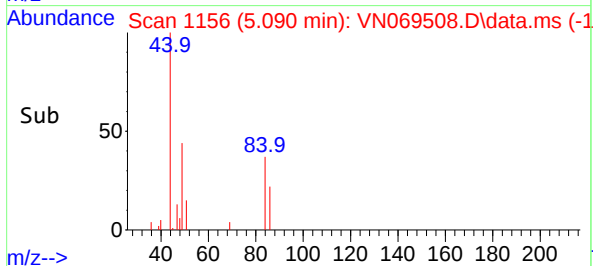
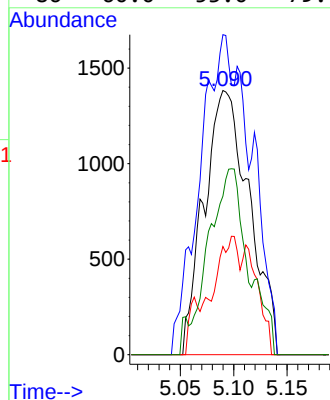
Ion Ratio Lower Upper

84 100

49 121.1 93.5 140.3

51 40.9 29.4 44.2

86 60.0 53.0 79.4



#29

Tetrahydrofuran

Concen: 0.551 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.011 min

Lab File: VN069508.D

Acq: 16 Nov 2021 15:03

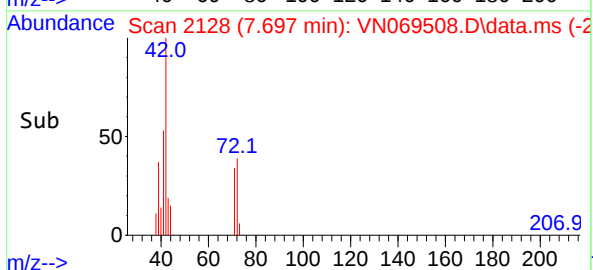
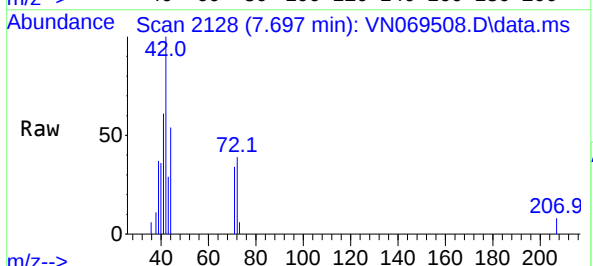
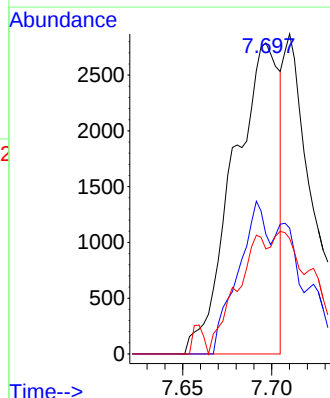
Tgt Ion: 42 Resp: 4981

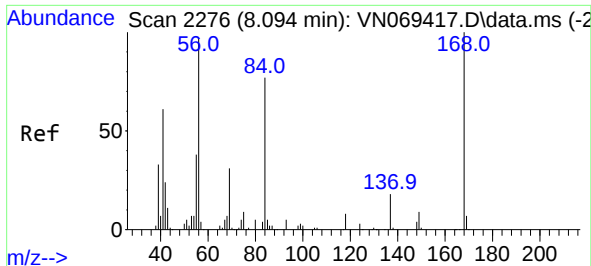
Ion Ratio Lower Upper

42 100

72 32.8 36.3 54.5#

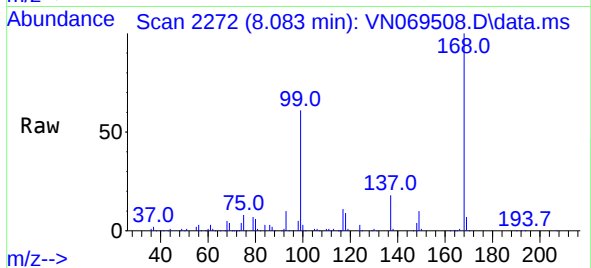
71 25.0 34.7 52.1#



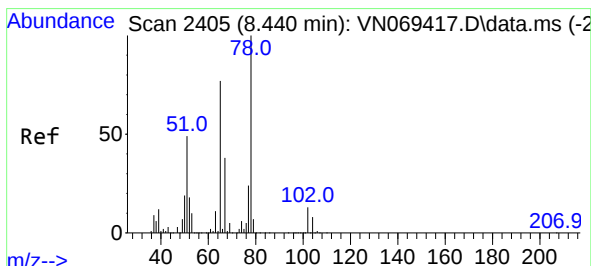
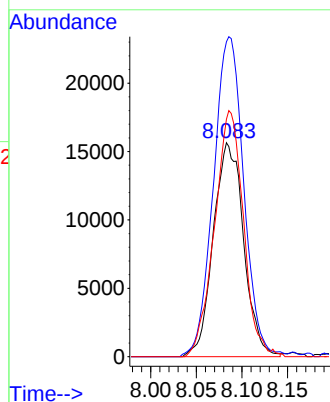
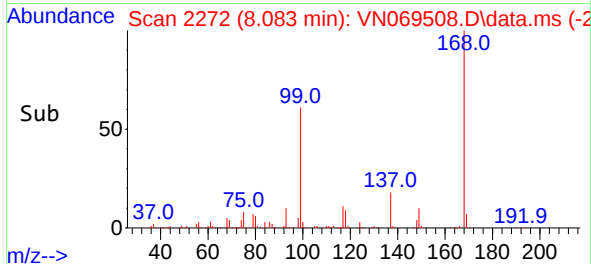


#31
Cyclohexane
Concen: 1.313 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :

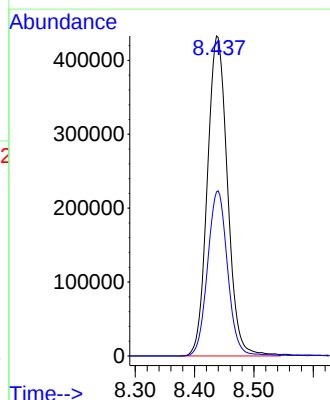
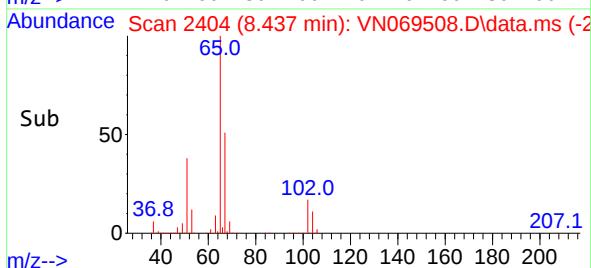
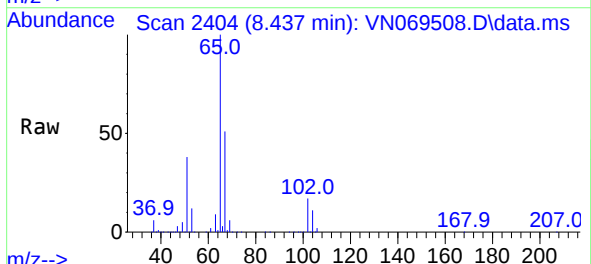


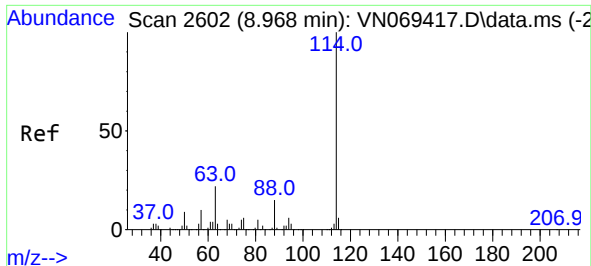
Tgt Ion: 56 Resp: 36163
Ion Ratio Lower Upper
56 100
69 147.2 27.1 40.7#
84 111.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.641 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

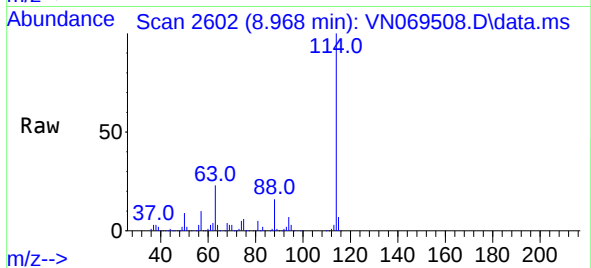
Tgt Ion: 65 Resp: 1020941
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0



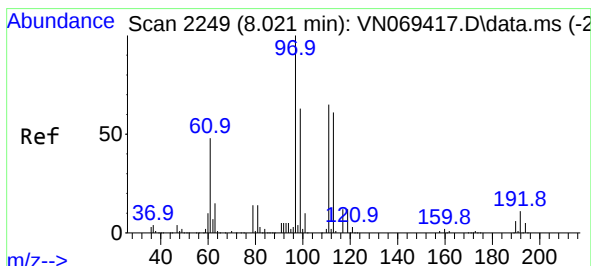
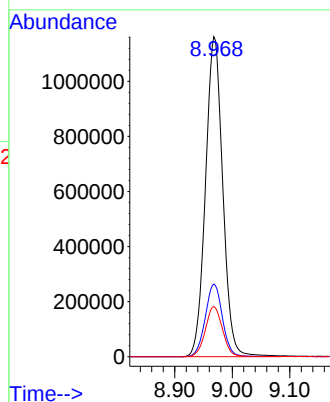
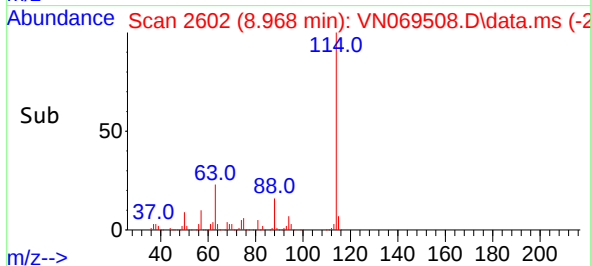


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :

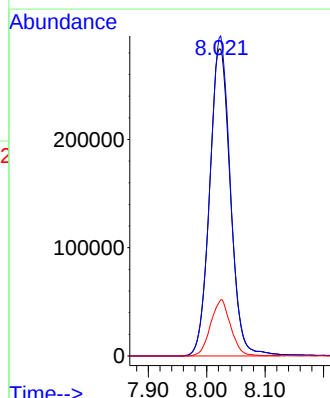
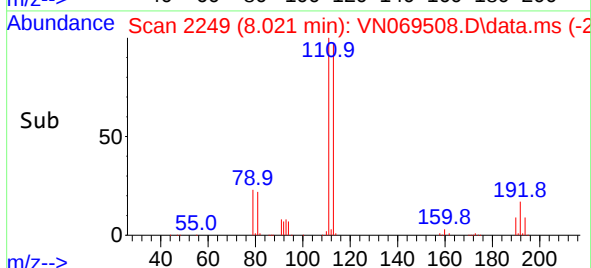
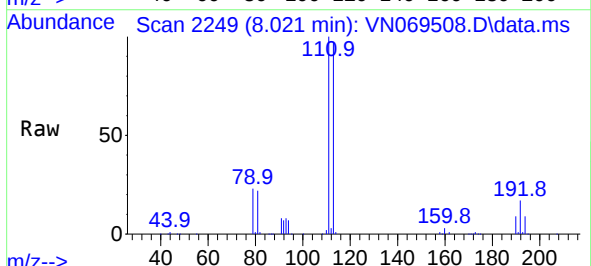


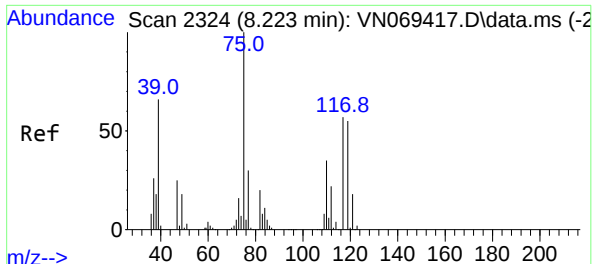
Tgt Ion:114 Resp: 2420480
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.494 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion:113 Resp: 703995
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.2
192 17.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.838 ug/l

RT: 8.088 min Scan# 21

Delta R.T. -0.135 min

Lab File: VN069508.D

Acq: 16 Nov 2021 15:03

Instrument :

MSVOA_N

ClientSampleId :

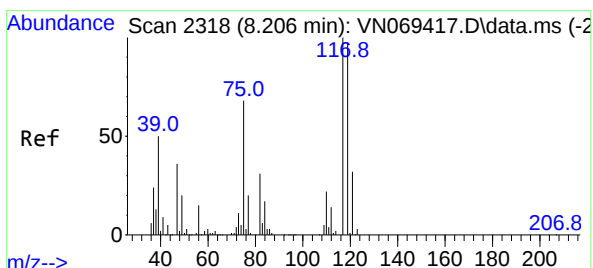
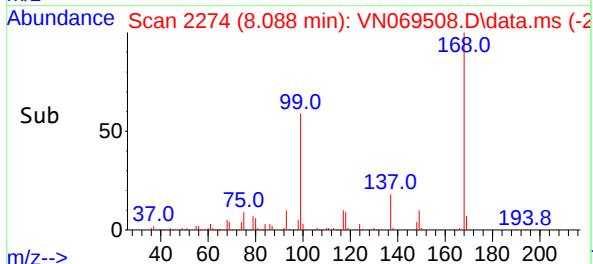
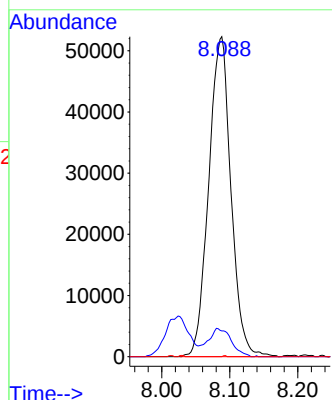
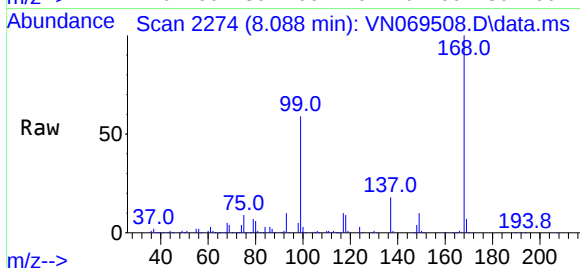
Tgt Ion: 75 Resp: 118898

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.390 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN069508.D

Acq: 16 Nov 2021 15:03

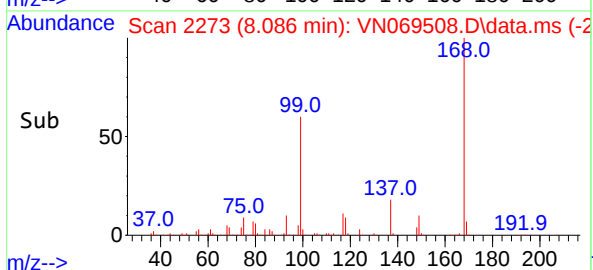
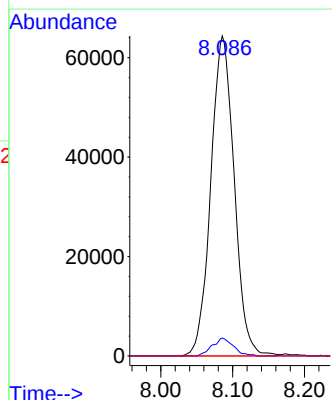
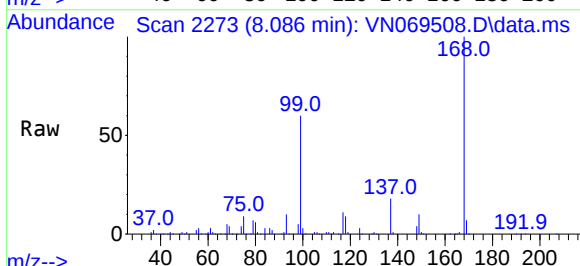
Tgt Ion: 117 Resp: 145313

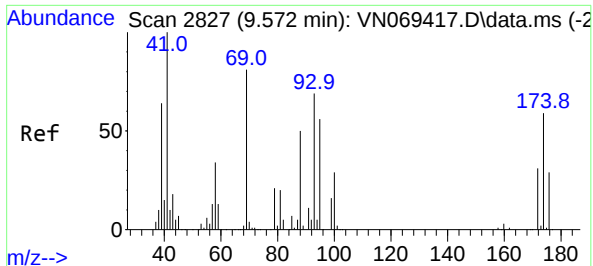
Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

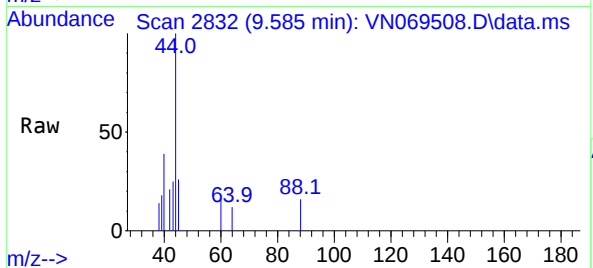
121 0.0 24.2 36.2#



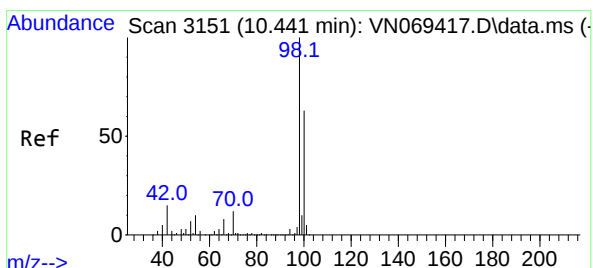
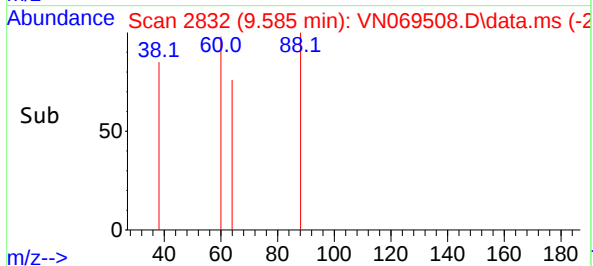
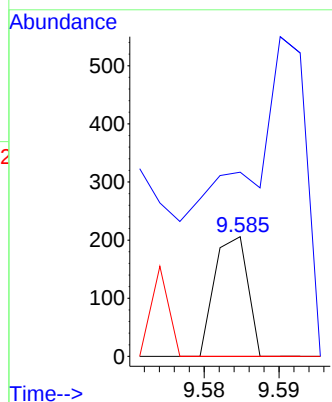


#49
1,4-Dioxane
Concen: 39.206 ug/l
RT: 9.585 min Scan# 21
Delta R.T. 0.013 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Instrument :
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ClientSampleId :

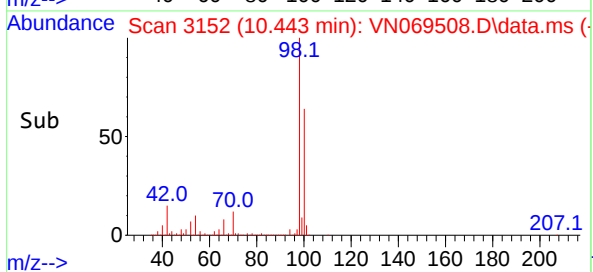
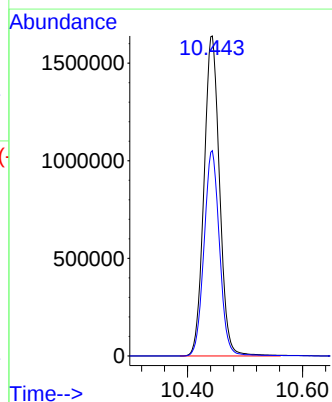
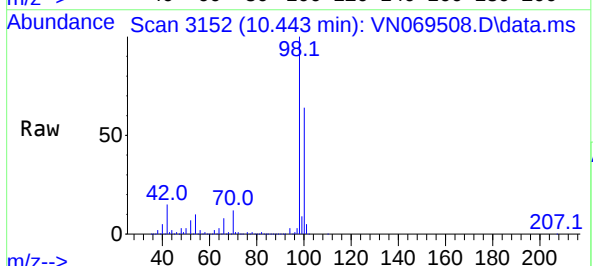


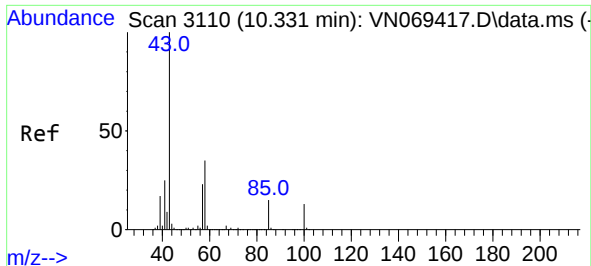
Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 577.8 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 54.007 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion: 98 Resp: 3083518
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 10.440 min Scan# 3110

Delta R.T. 0.109 min

Lab File: VN069508.D

Acq: 16 Nov 2021 15:03

Instrument :

MSVOA_N

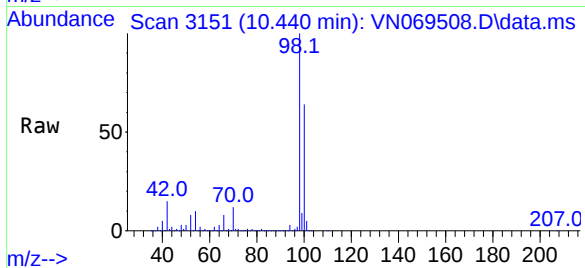
ClientSampleId :

Tgt Ion: 43 Resp: 16326

Ion Ratio Lower Upper

43 100

58 168.7 30.4 45.6#

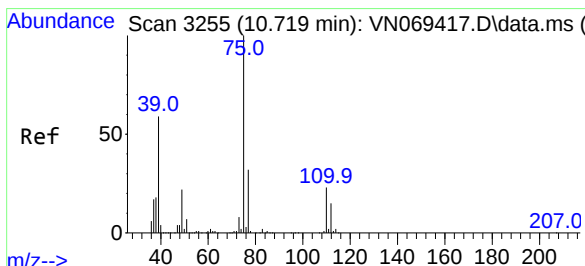
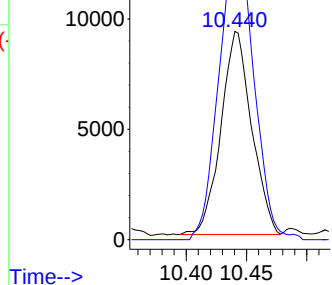
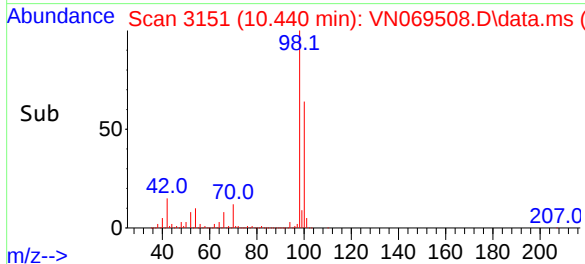


Abundance

10000

5000

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.640 ug/l

RT: 10.467 min Scan# 3161

Delta R.T. -0.252 min

Lab File: VN069508.D

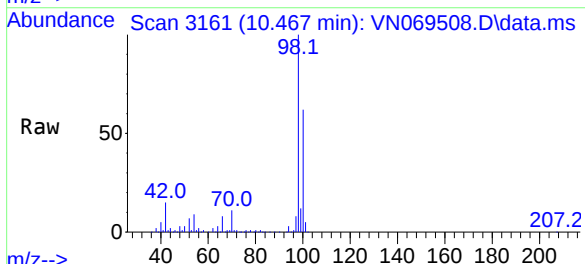
Acq: 16 Nov 2021 15:03

Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 98.0 25.6 38.4#

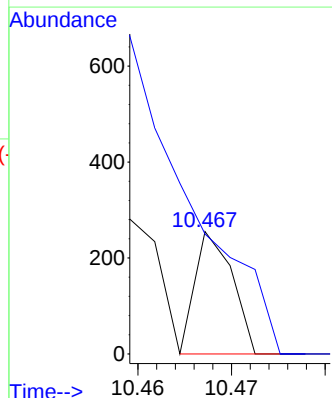
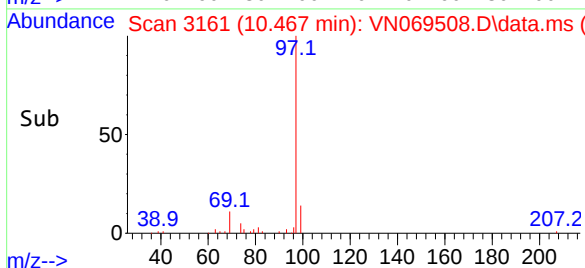


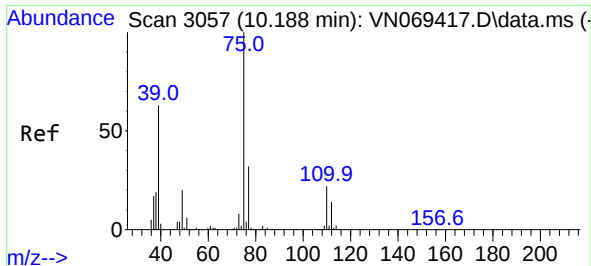
Abundance

600

400

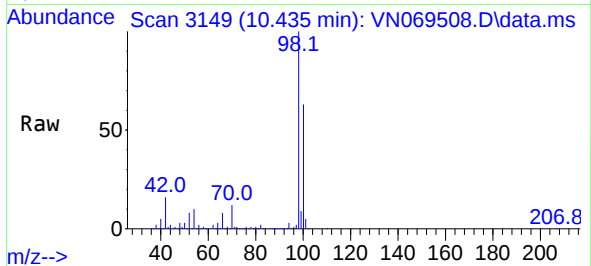
Time-->



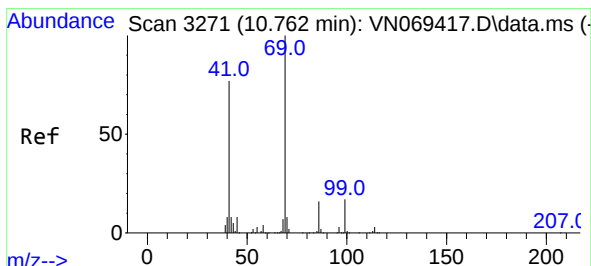
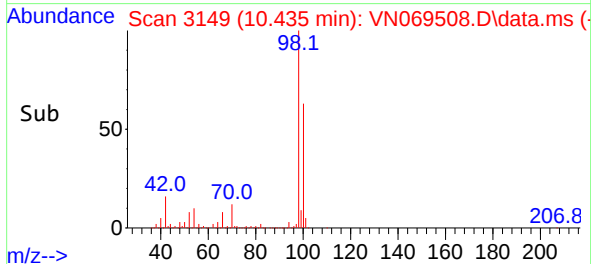
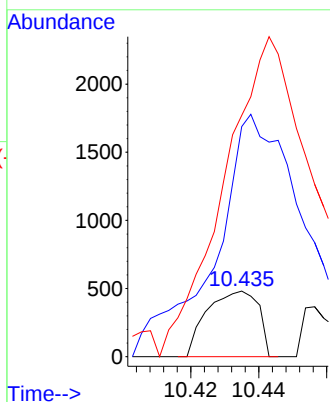


#54
 cis-1,3-Dichloropropene
 Concen: 1.751 ug/l
 RT: 10.435 min Scan# 3149
 Delta R.T. 0.247 min
 Lab File: VN069508.D
 Acq: 16 Nov 2021 15:03

Instrument :
 MSVOA_N
 ClientSampleId :

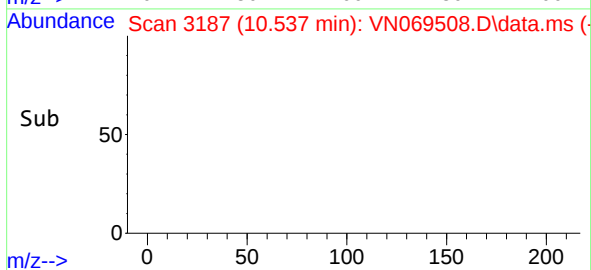
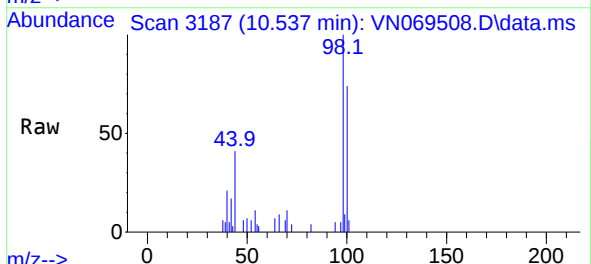
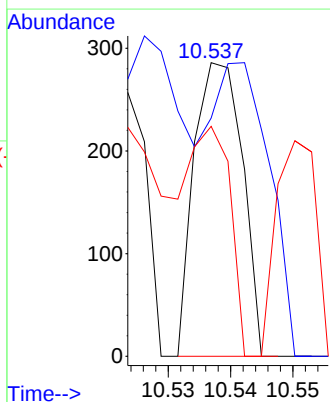


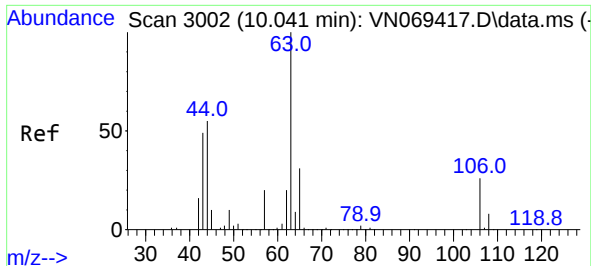
Tgt Ion: 75 Resp: 505
 Ion Ratio Lower Upper
 75 100
 77 270.1 26.4 39.6#
 39 307.9 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.058 ug/l
 RT: 10.537 min Scan# 3187
 Delta R.T. -0.225 min
 Lab File: VN069508.D
 Acq: 16 Nov 2021 15:03

Tgt Ion: 69 Resp: 154
 Ion Ratio Lower Upper
 69 100
 41 122.7 51.4 77.0#
 39 64.3 34.6 52.0#

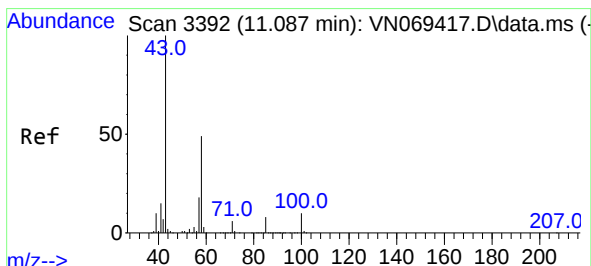
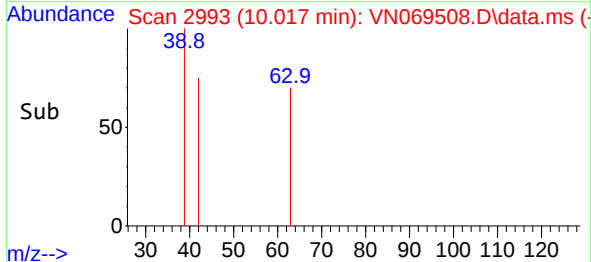
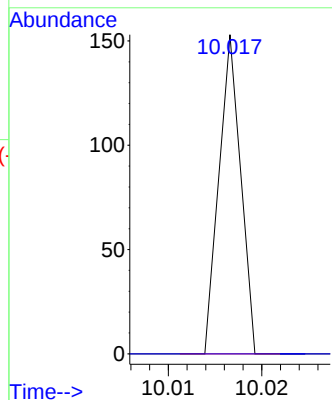
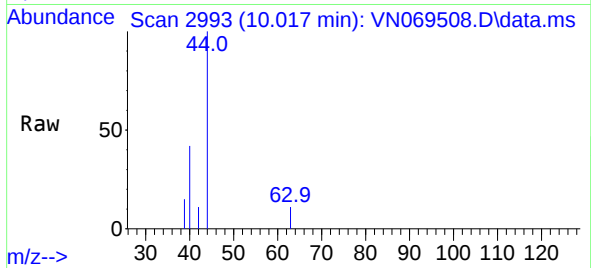




#58
2-Chloroethyl Vinyl ether
Concen: 22.773 ug/l
RT: 10.017 min Scan# 2993
Delta R.T. -0.024 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

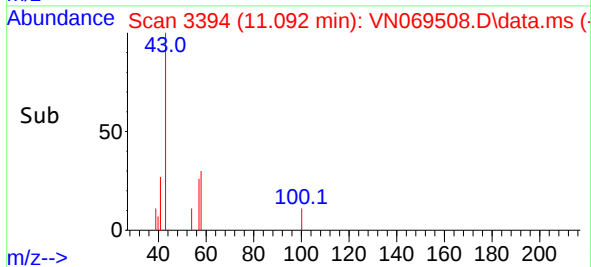
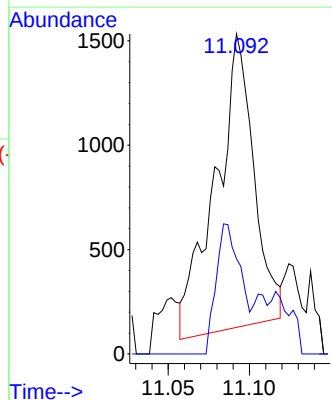
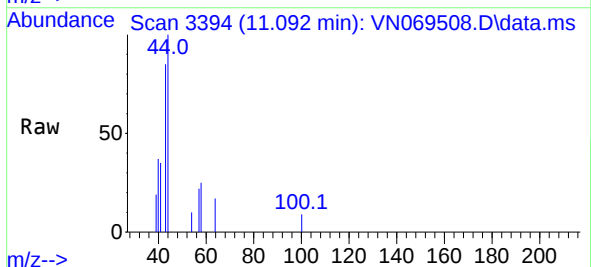
Instrument :
MSVOA_N
ClientSampleId :

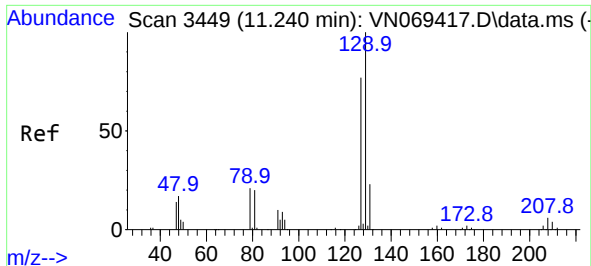
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.035 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
58 28.4 26.9 80.7

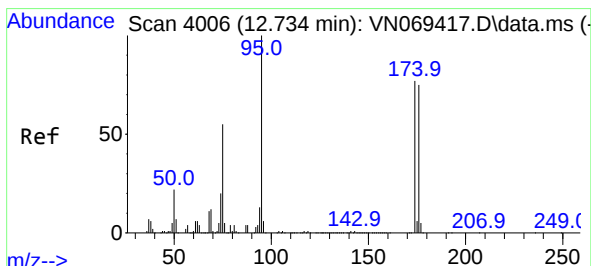
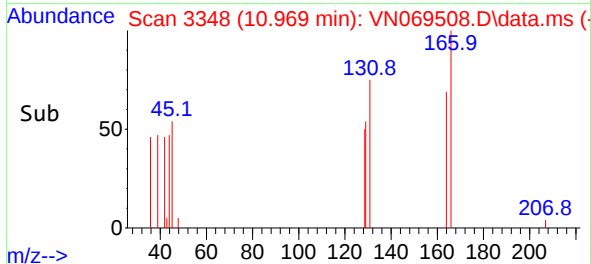
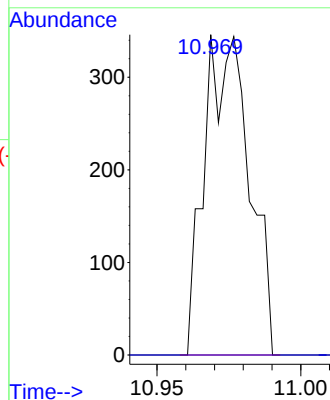
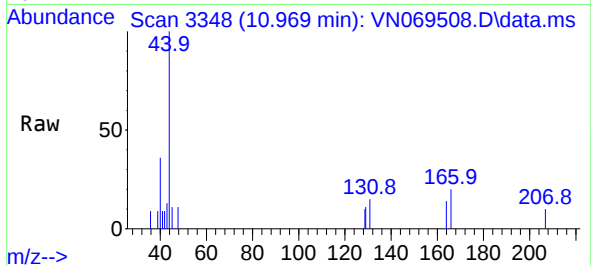




#60
Dibromochloromethane
Concen: 2.438 ug/l
RT: 10.969 min Scan# 31
Delta R.T. -0.271 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

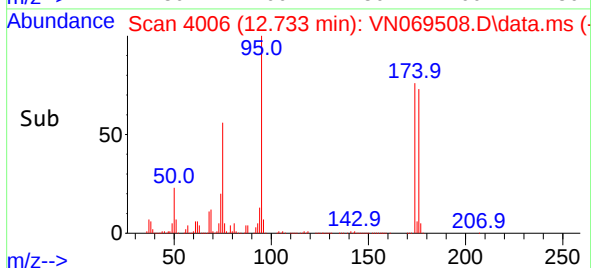
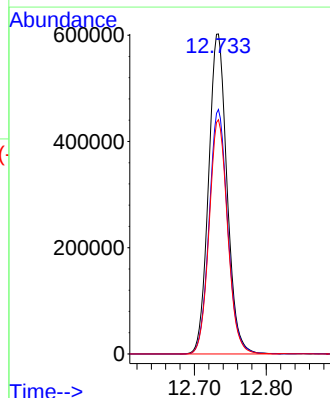
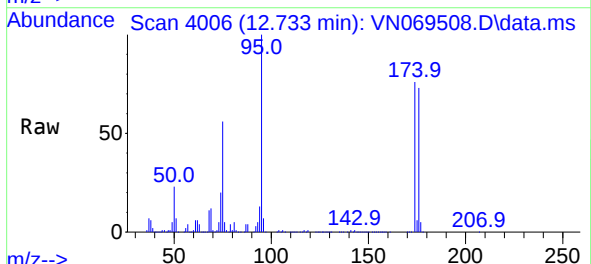
Instrument :
MSVOA_N
ClientSampleId :

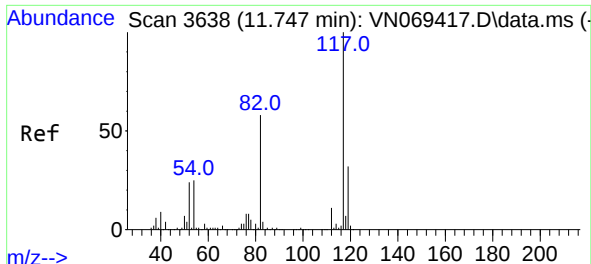
Tgt Ion:129 Resp: 374
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.252 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

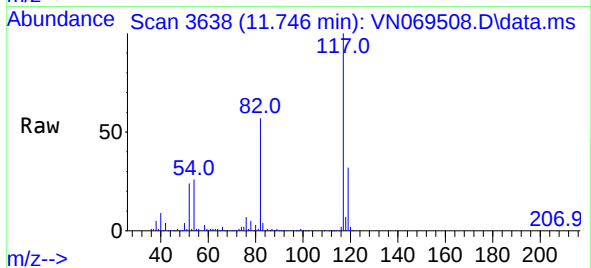
Tgt Ion: 95 Resp: 1074999
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.3 0.0 181.4





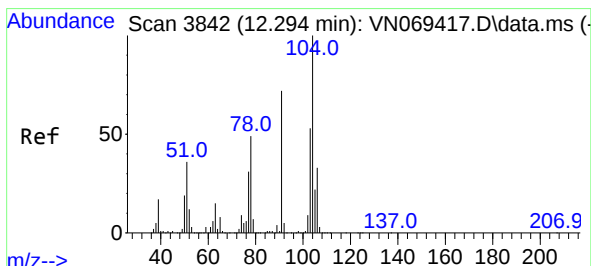
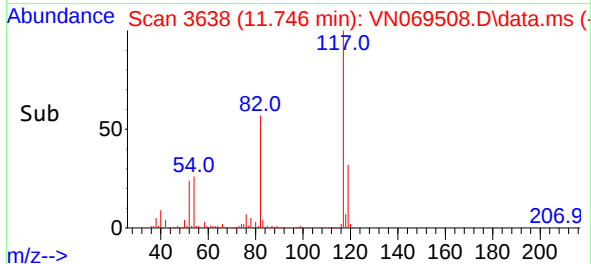
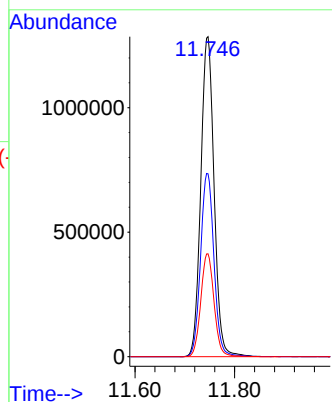
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. -0.001 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2381927

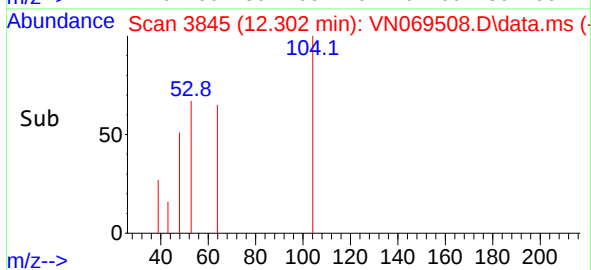
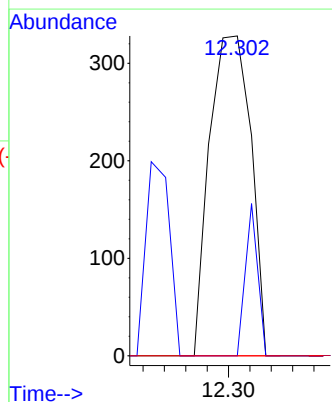
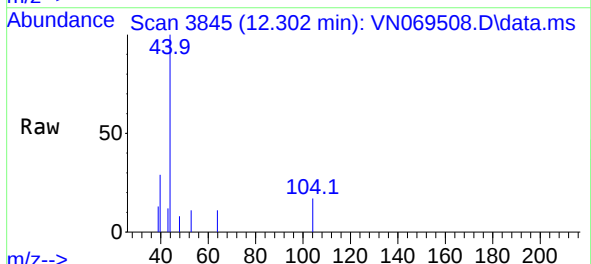
Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.4	63.6
119	32.1	25.4	38.2

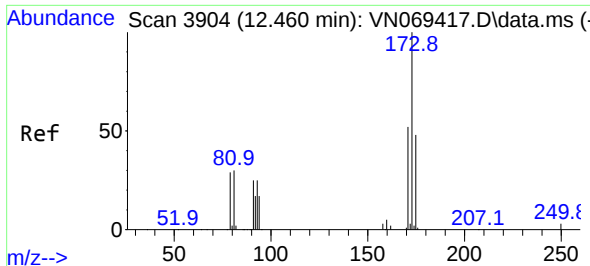


#70
Styrene
Concen: 1.523 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.008 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion:104 Resp: 176

Ion	Ratio	Lower	Upper
104	100		
78	14.2	38.7	58.1#
103	0.0	45.0	67.6#

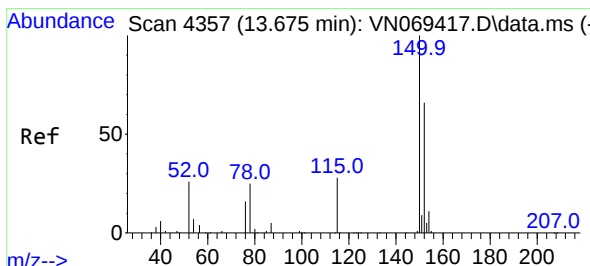
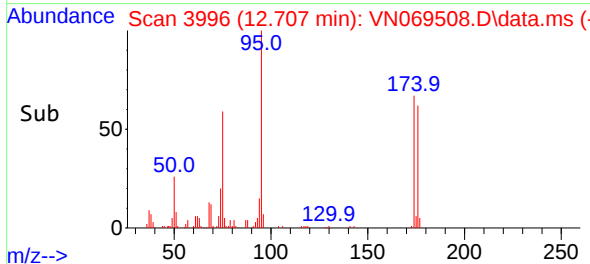
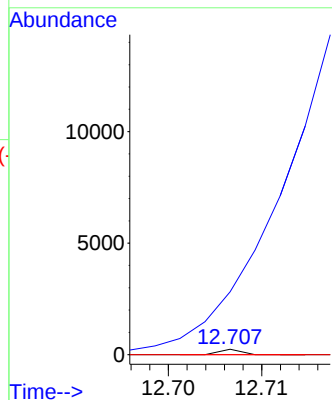
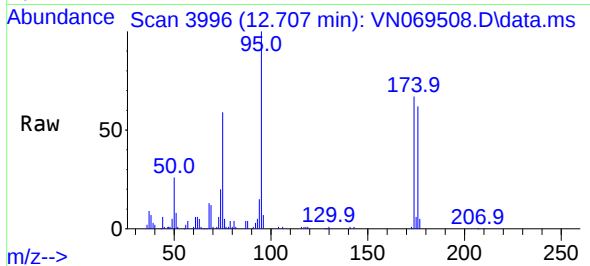




#71
Bromoform
Concen: 3.430 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

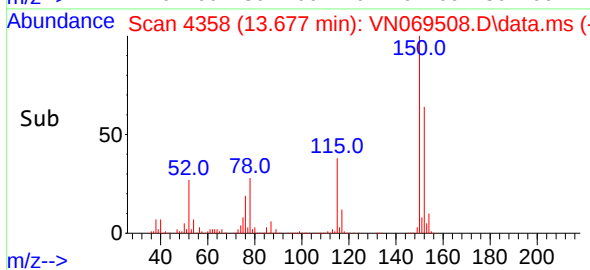
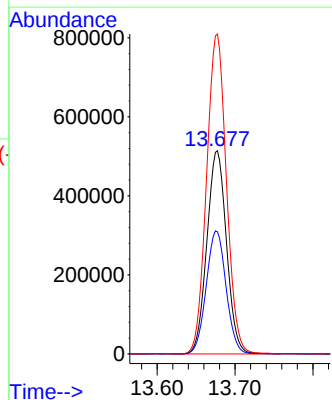
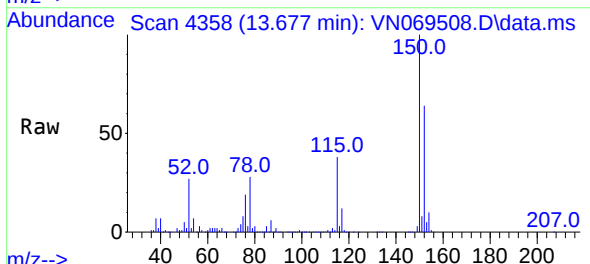
Instrument :
MSVOA_N
ClientSampleId :

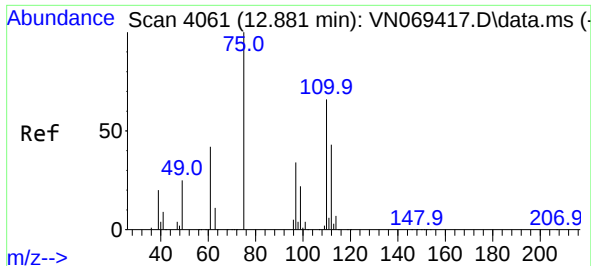
Tgt Ion:173 Resp: 39
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion:152 Resp: 903320
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 158.9 0.0 344.4

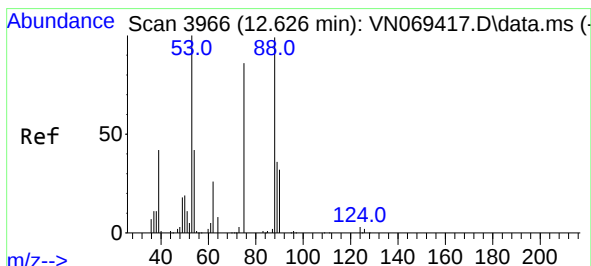
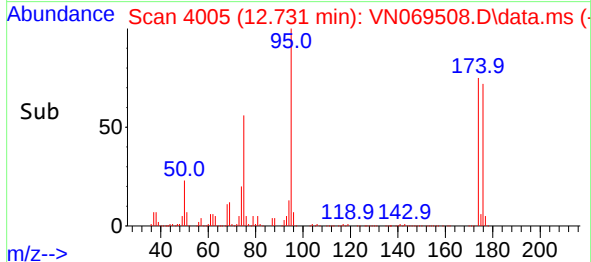
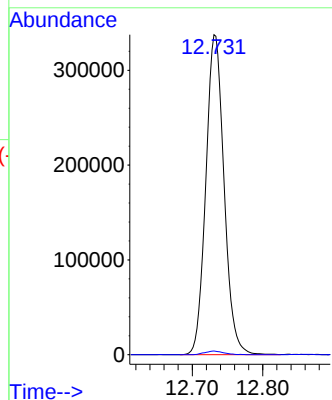
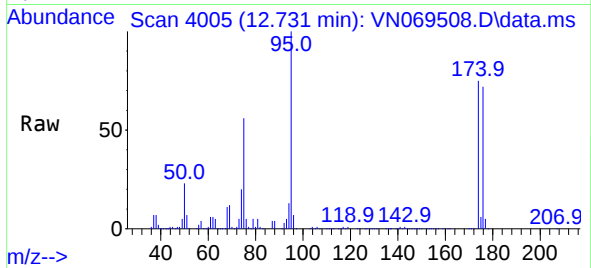




#76
1,2,3-Trichloropropane
Concen: 29.067 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

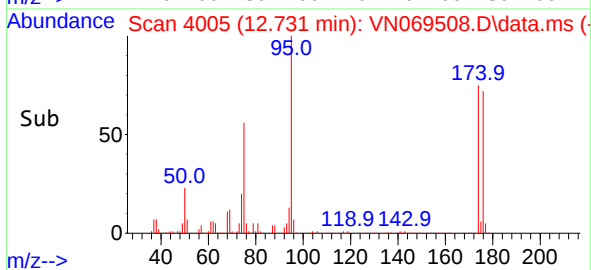
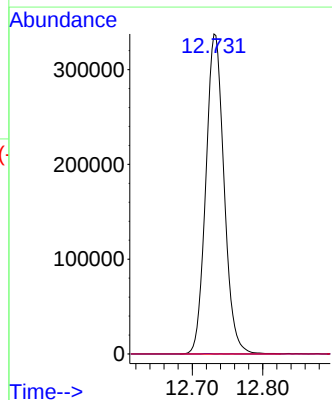
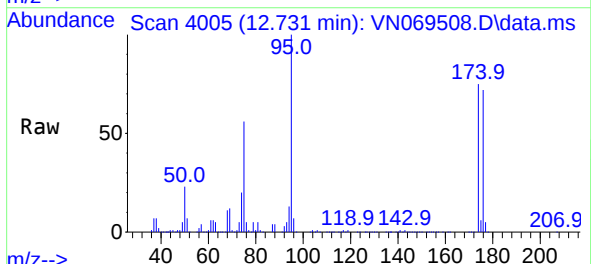
Instrument :
MSVOA_N
ClientSampleId :

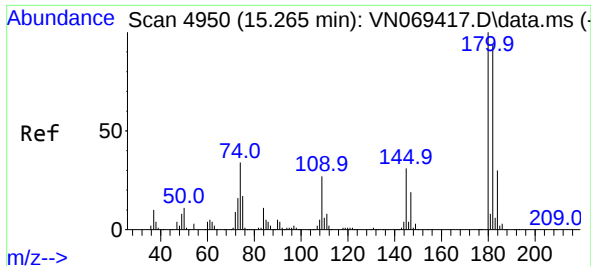
Tgt Ion: 75 Resp: 605947
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.296 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

Tgt Ion: 75 Resp: 605947
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

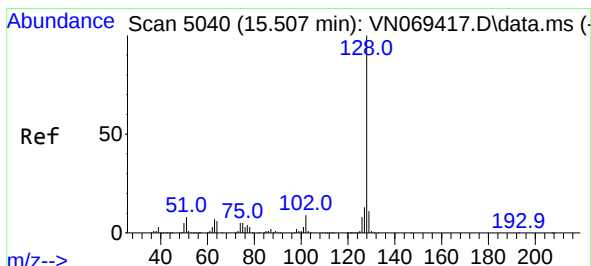
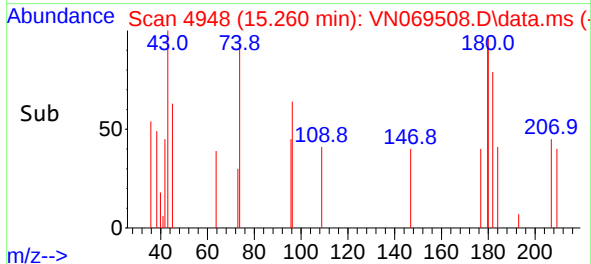
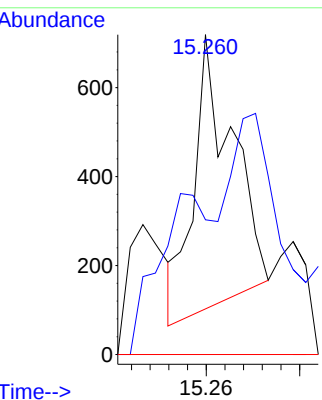
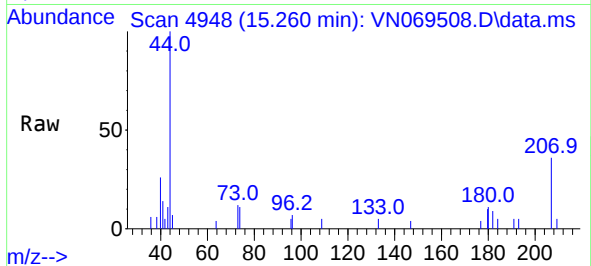




#93
1,2,4-Trichlorobenzene
Concen: 3.137 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

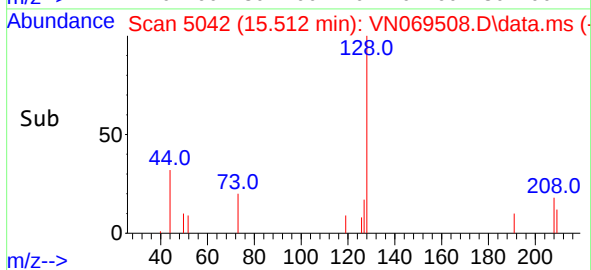
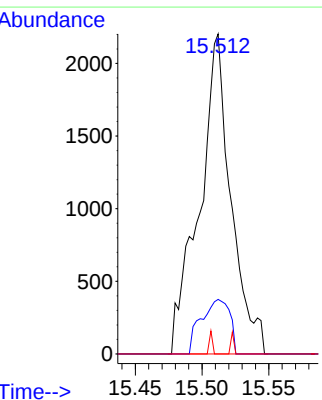
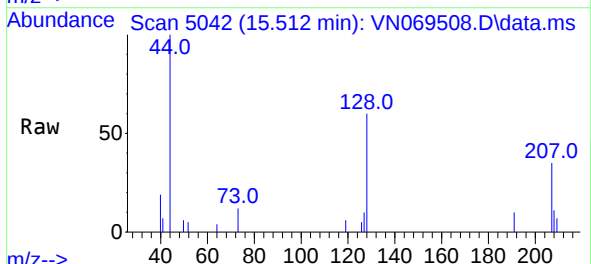
Instrument :
MSVOA_N
ClientSampleId :

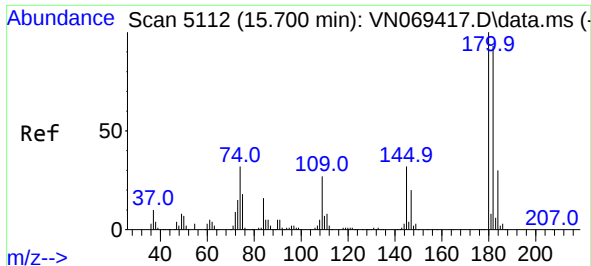
Tgt Ion:180 Resp: 351
Ion Ratio Lower Upper
180 100
182 88.3 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.533 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069508.D
Acq: 16 Nov 2021 15:03

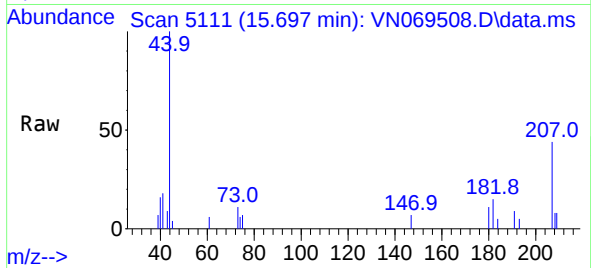
Tgt Ion:128 Resp: 3624
Ion Ratio Lower Upper
128 100
127 15.4 10.5 15.7
129 0.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.202 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN069508.D
 Acq: 16 Nov 2021 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 477

Ion	Ratio	Lower	Upper
180	100		
182	80.7	47.4	142.2
145	11.1	15.0	45.1#

