

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069760.D
 Acq On : 4 Dec 2021 12:36
 Operator : JC/MD
 Sample : VN1204WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

Quant Time: Dec 04 16:10:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

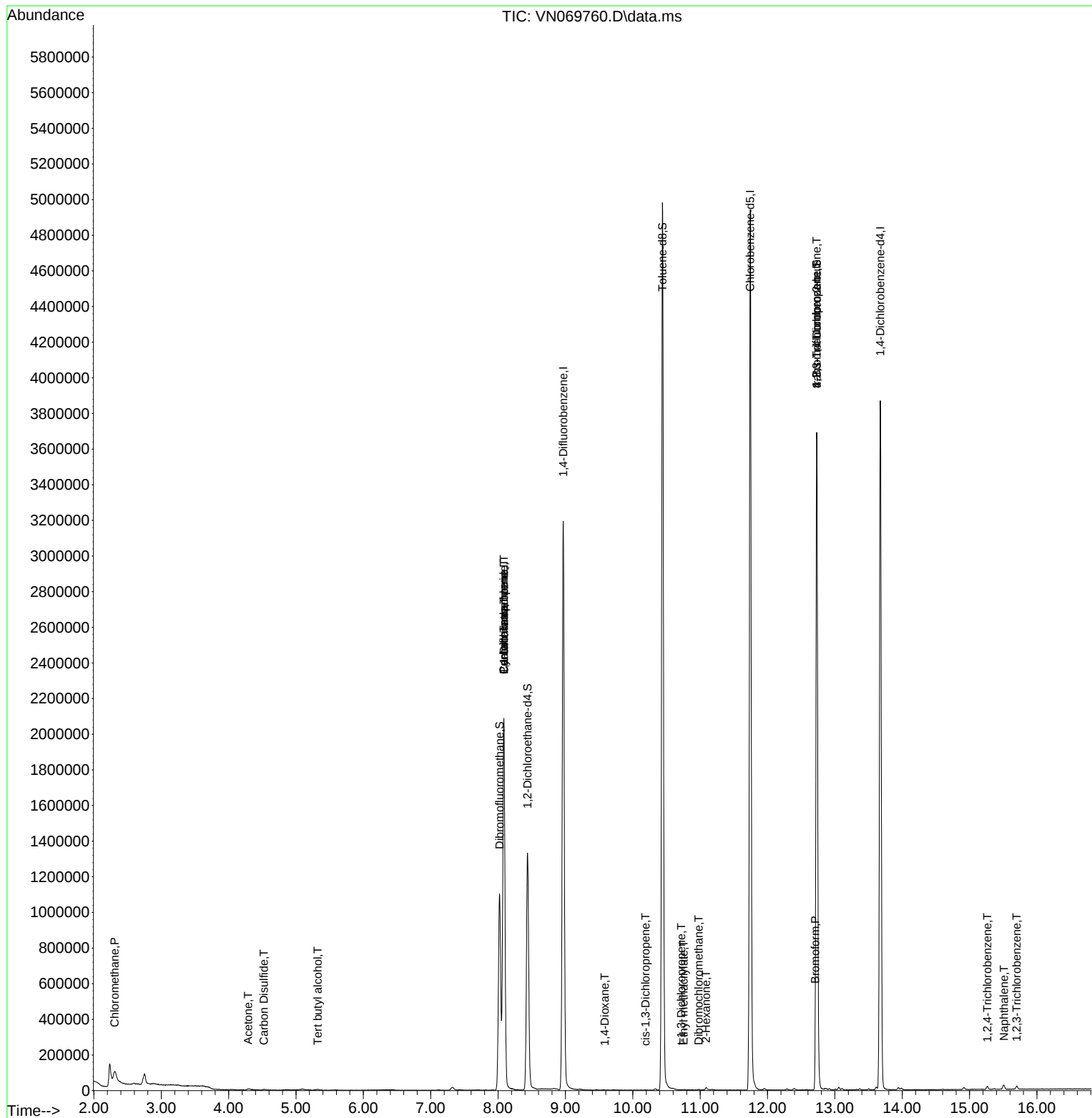
Internal Standards						
1) Pentafluorobenzene	8.086	168	1543214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2685655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2730652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1039388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1157825	48.592	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.180%		
35) Dibromofluoromethane	8.021	113	799642	47.534	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.060%		
50) Toluene-d8	10.440	98	3408288	50.458	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.920%		
62) 4-Bromofluorobenzene	12.731	95	1286942	52.591	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	5218	0.231	ug/l	90
11) Tert butyl alcohol	5.321	59	4270	0.948	ug/l #	71
16) Acetone	4.291	43	9966	0.695	ug/l #	85
17) Carbon Disulfide	4.524	76	8366	0.220	ug/l #	95
31) Cyclohexane	8.086	56	39476	1.190	ug/l #	41
36) 1,1-Dichloropropene	8.086	75	131560	5.146	ug/l #	49
38) Carbon Tetrachloride	8.086	117	158858	6.336	ug/l #	16
49) 1,4-Dioxane	9.582	88	120	0.254	ug/l #	1
53) t-1,3-Dichloropropene	10.719	75	768	2.817	ug/l	93
54) cis-1,3-Dichloropropene	10.188	75	331	2.008	ug/l #	32
56) Ethyl methacrylate	10.754	69	881	2.302	ug/l #	72
59) 2-Hexanone	11.087	43	11589	0.419	ug/l	87
60) Dibromochloromethane	10.980	129	649	2.406	ug/l #	11
71) Bromoform	12.707	173	218	2.743	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	717933	24.086	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	717933	76.488	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	5931	3.206	ug/l	88
95) Naphthalene	15.509	128	22989	4.402	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	6426	2.803	ug/l	97

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

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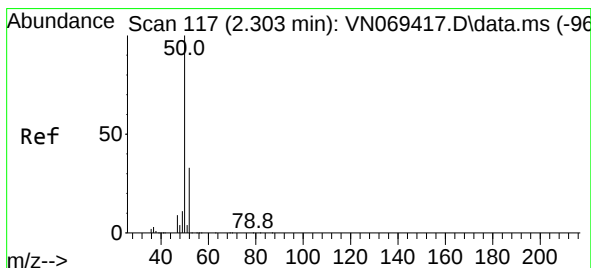
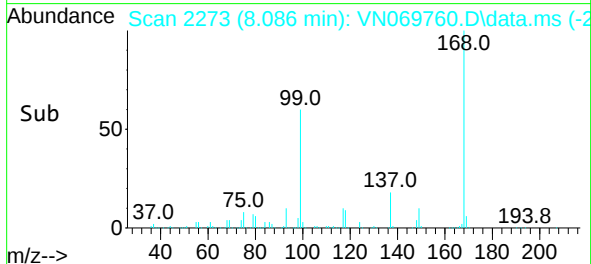
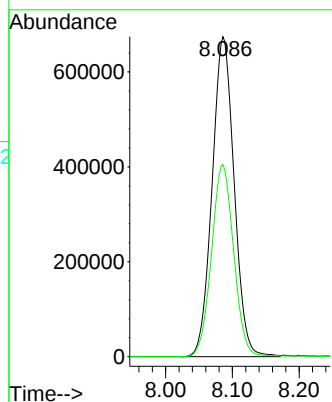
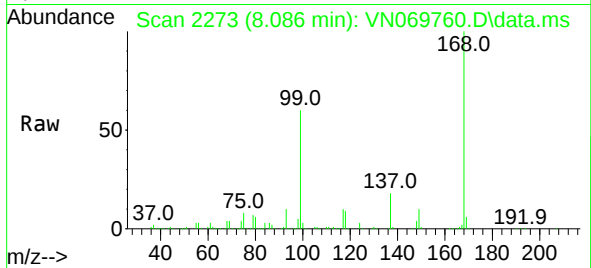




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

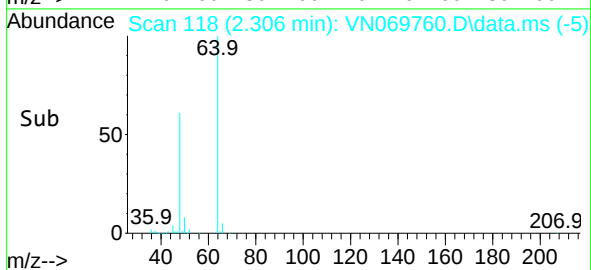
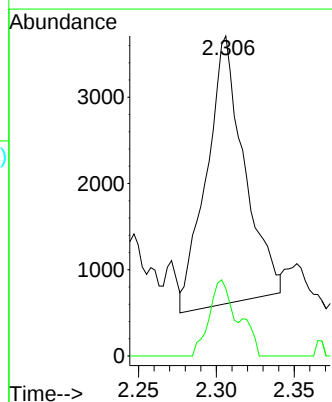
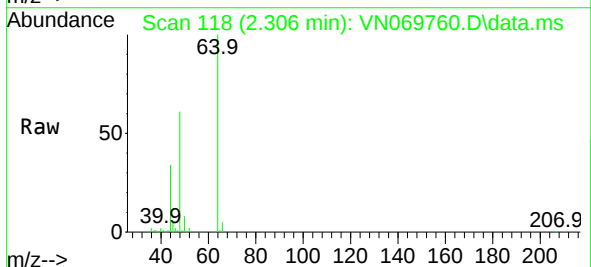
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

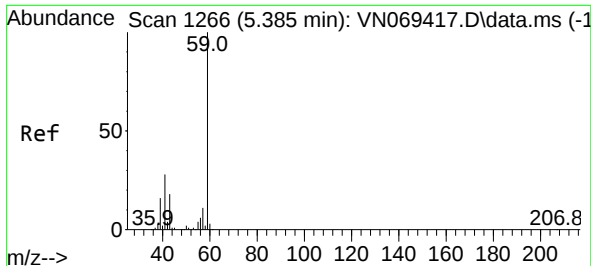
Tgt Ion:168 Resp: 1543214
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 50 Resp: 5218
Ion Ratio Lower Upper
50 100
52 26.3 25.4 38.0

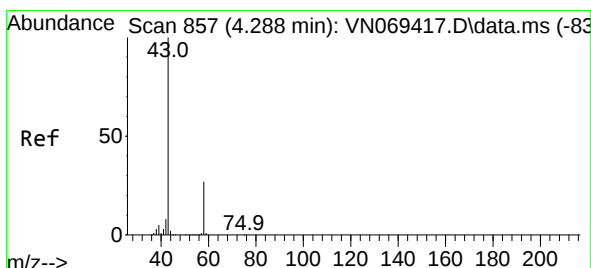
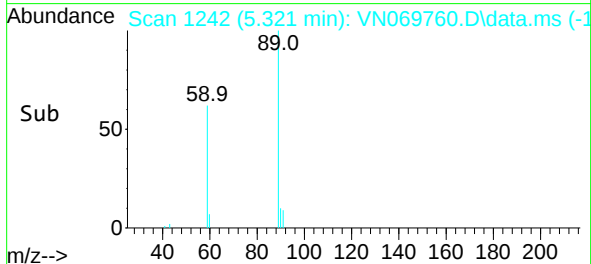
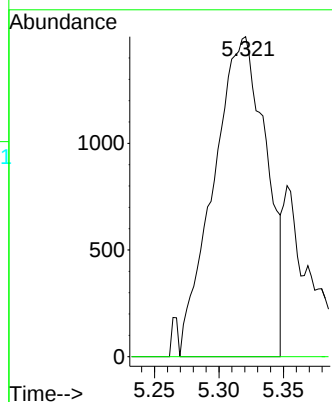
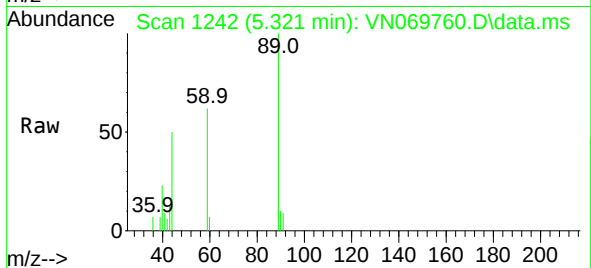




#11
Tert butyl alcohol
Concen: 0.948 ug/l
RT: 5.321 min Scan# 11
Delta R.T. -0.070 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

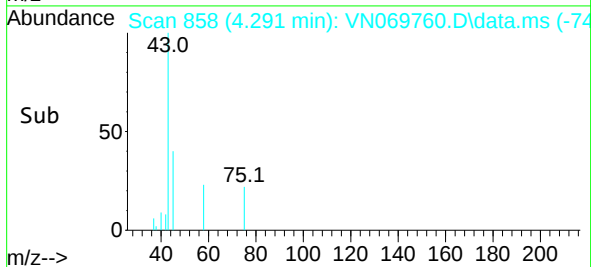
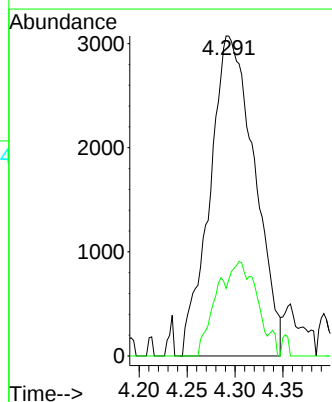
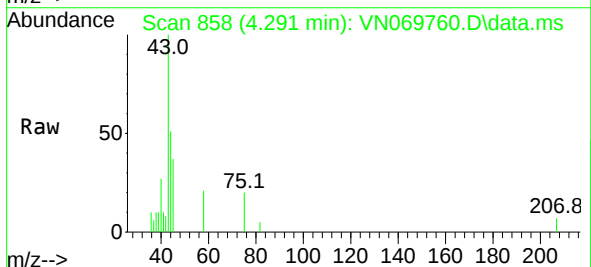
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

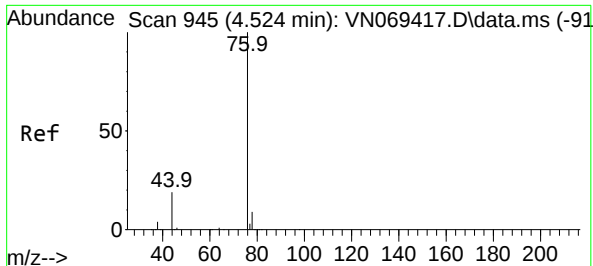
Tgt Ion: 59 Resp: 4270
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 0.695 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 43 Resp: 9966
Ion Ratio Lower Upper
43 100
58 21.1 23.1 34.7#





#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 4.524 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN069760.D

Acq: 4 Dec 2021 12:36

Instrument :

MSVOA_N

ClientSampleId :

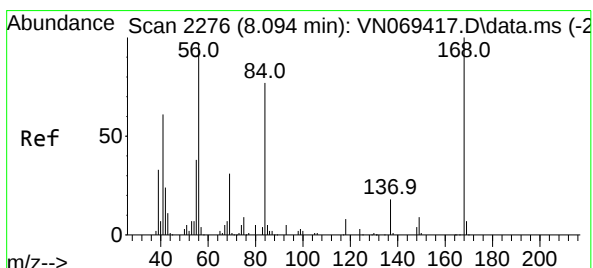
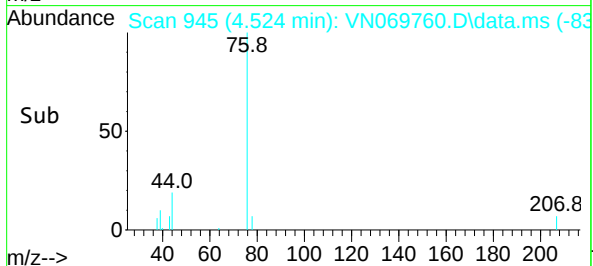
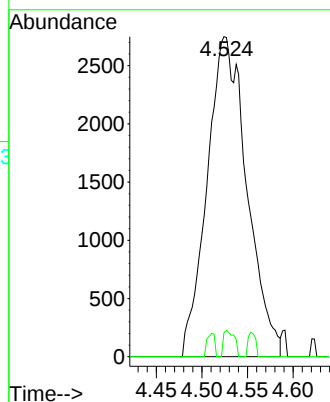
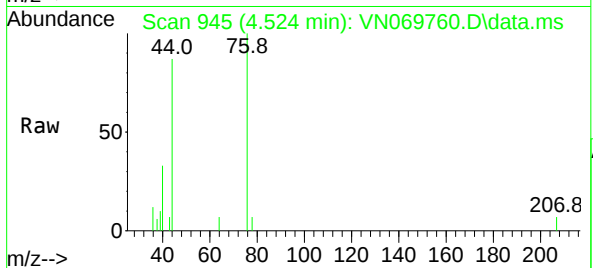
VN1204WBL01

Tgt Ion: 76 Resp: 8366

Ion Ratio Lower Upper

76 100

78 7.5 7.5 11.3#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069760.D

Acq: 4 Dec 2021 12:36

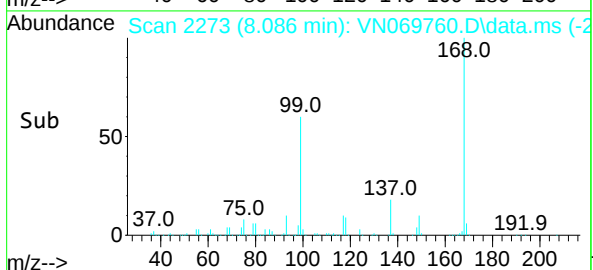
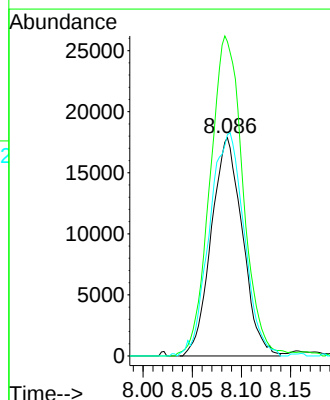
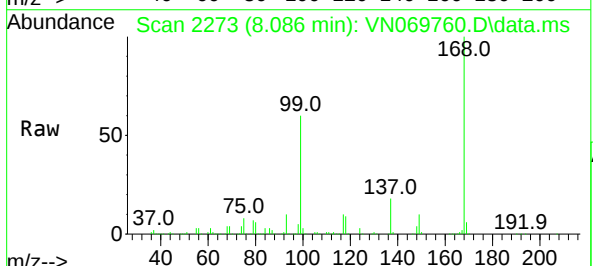
Tgt Ion: 56 Resp: 39476

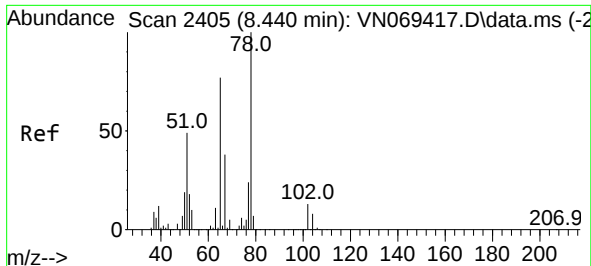
Ion Ratio Lower Upper

56 100

69 142.4 27.1 40.7#

84 101.4 73.4 110.0

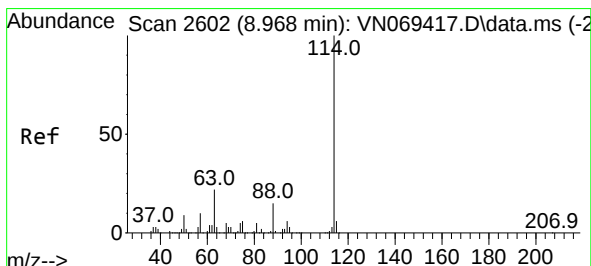
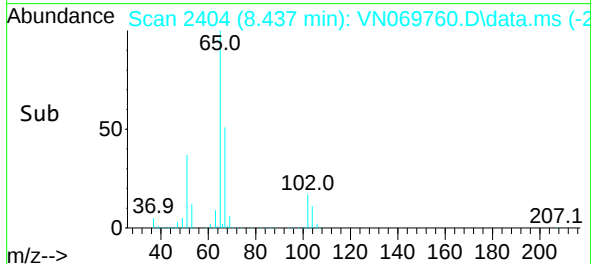
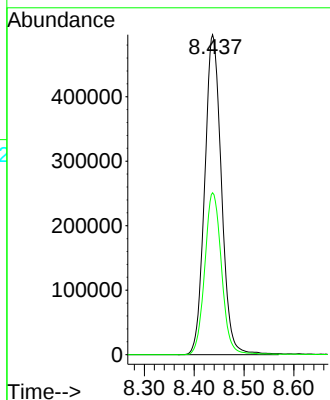
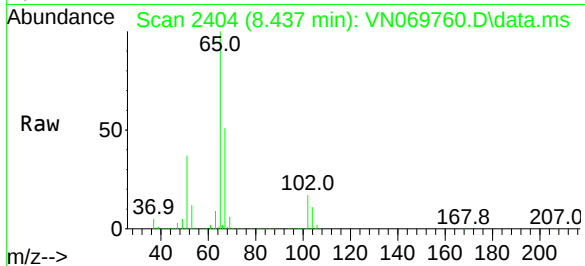




#33
 1,2-Dichloroethane-d4
 Concen: 48.592 ug/l
 RT: 8.437 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069760.D
 Acq: 4 Dec 2021 12:36

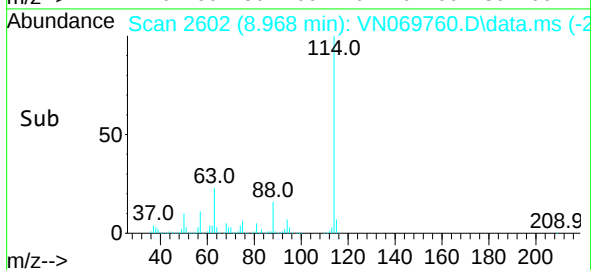
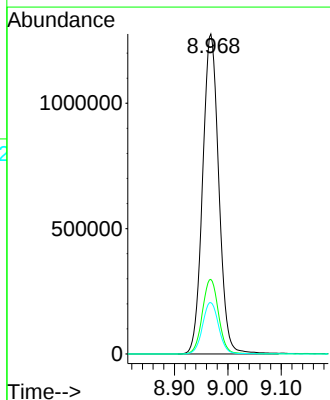
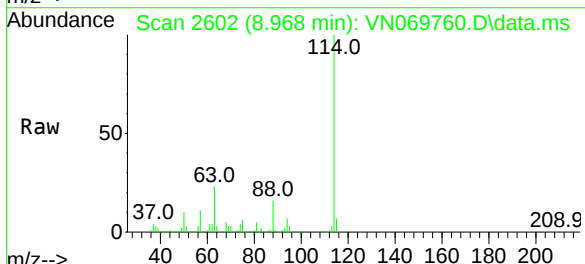
Instrument :
 MSVOA_N
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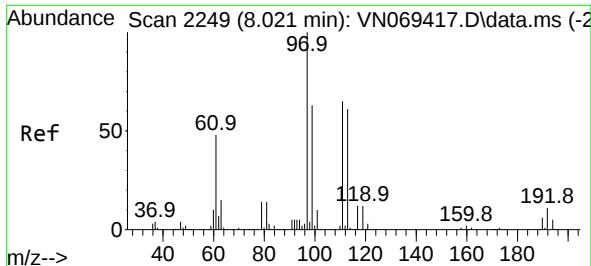
Tgt Ion: 65 Resp: 1157825
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069760.D
 Acq: 4 Dec 2021 12:36

Tgt Ion: 114 Resp: 2685655
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 37.8
 88 16.1 0.0 27.4

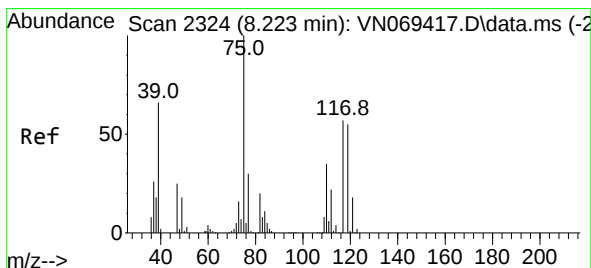
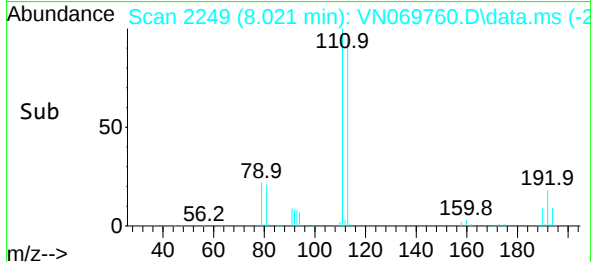
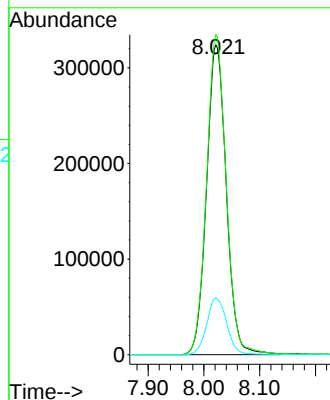
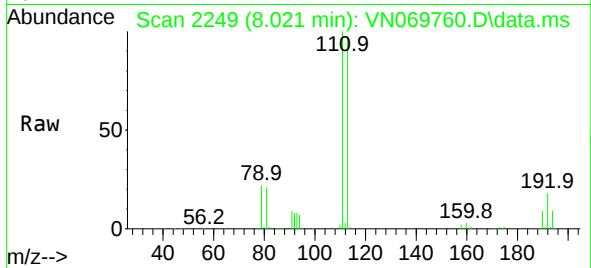




#35
Dibromofluoromethane
Concen: 47.534 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

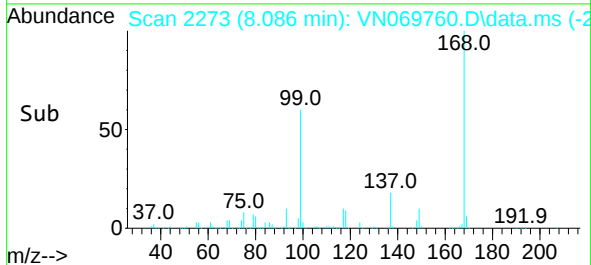
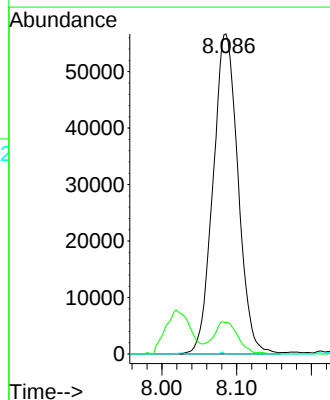
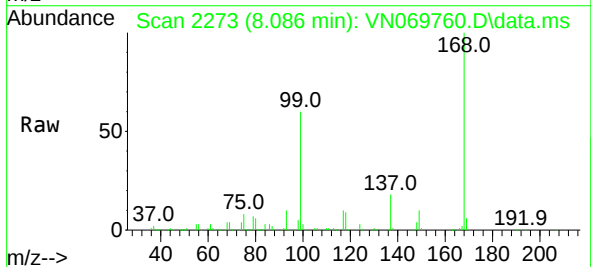
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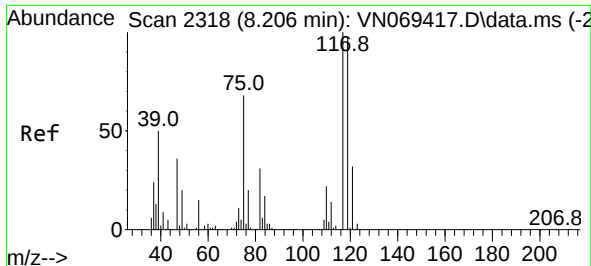
Tgt Ion:113 Resp: 799642
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 75 Resp: 131560
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#

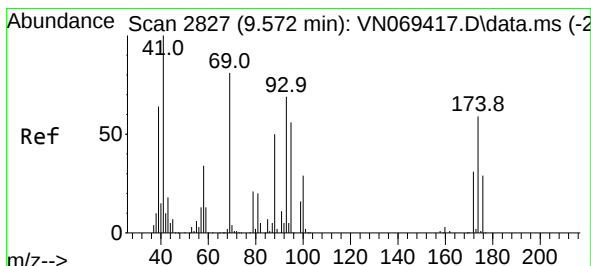
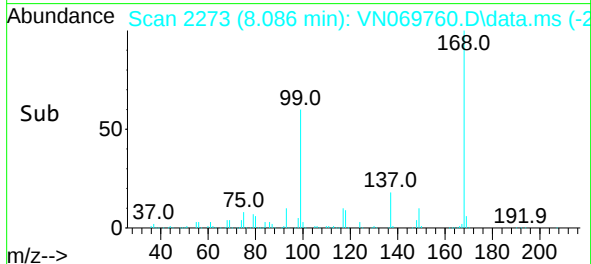
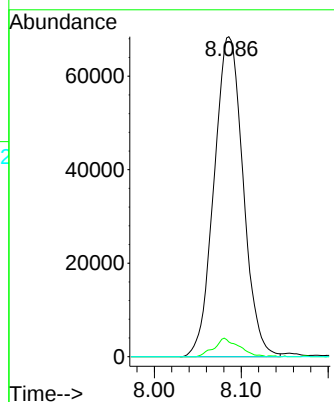
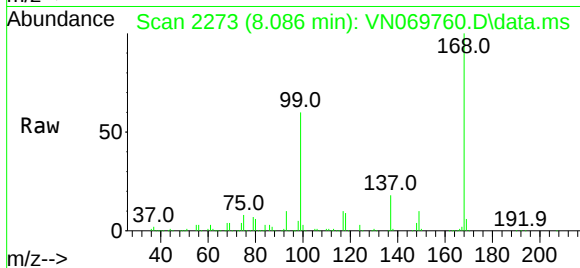




#38
Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

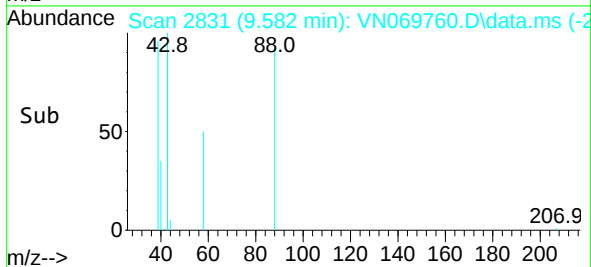
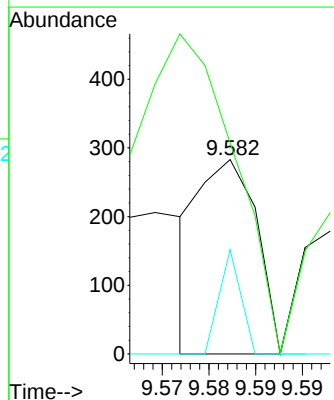
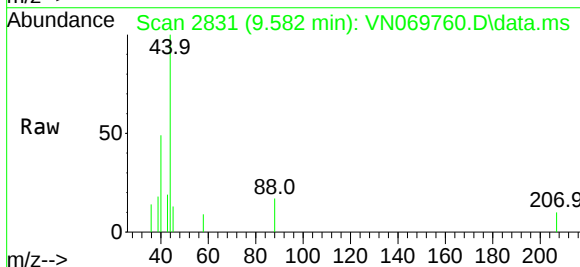
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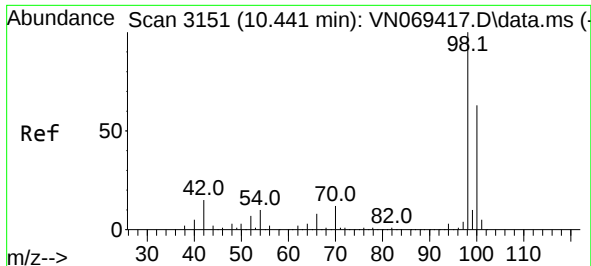
Tgt Ion:117 Resp: 158858
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.254 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 239.2 23.4 35.2#
58 20.0 50.6 75.8#

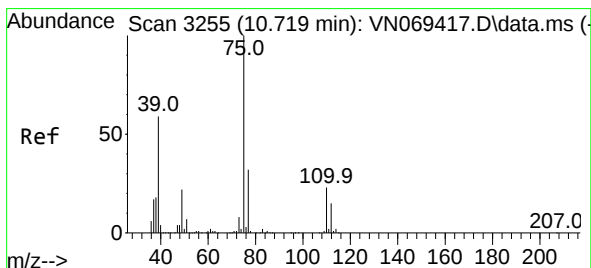
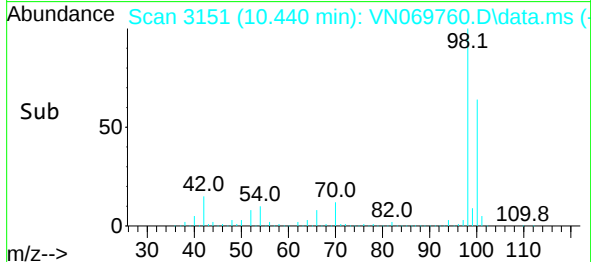
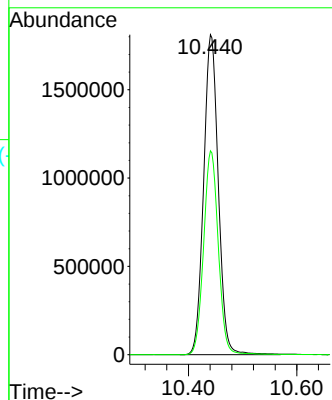
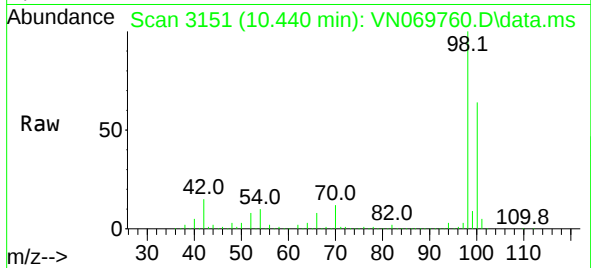




#50
Toluene-d8
Concen: 50.458 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

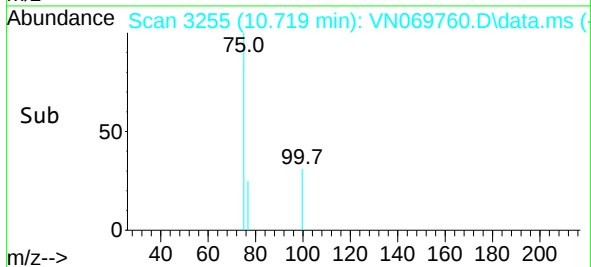
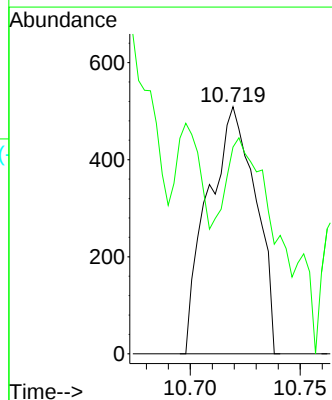
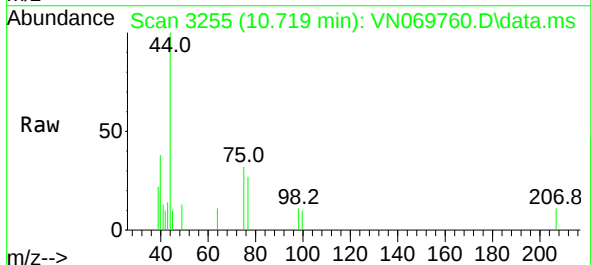
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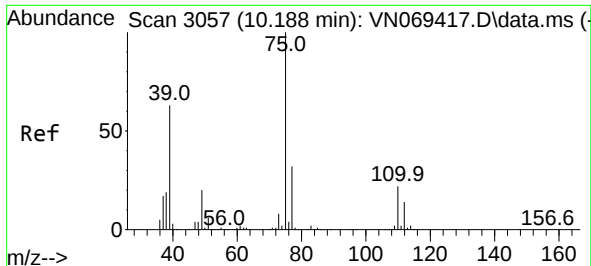
Tgt Ion: 98 Resp: 3408288
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.817 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 75 Resp: 768
Ion Ratio Lower Upper
75 100
77 35.8 25.6 38.4

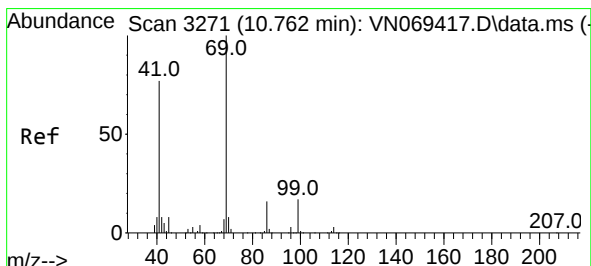
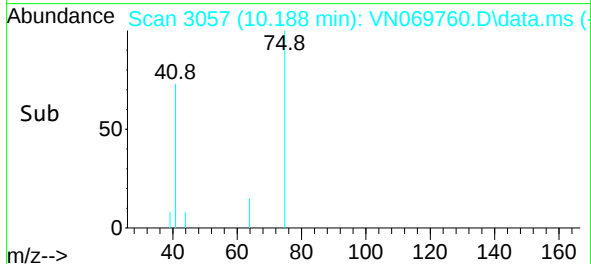
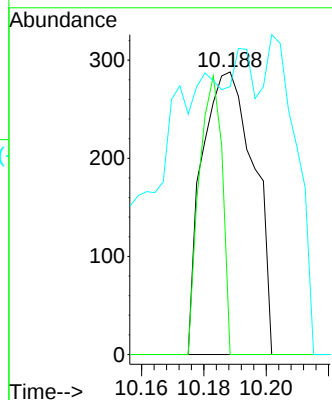
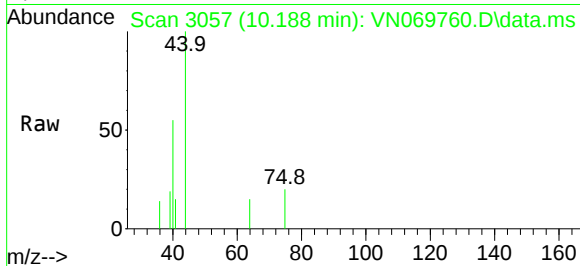




#54
 cis-1,3-Dichloropropene
 Concen: 2.008 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. -0.003 min
 Lab File: VN069760.D
 Acq: 4 Dec 2021 12:36

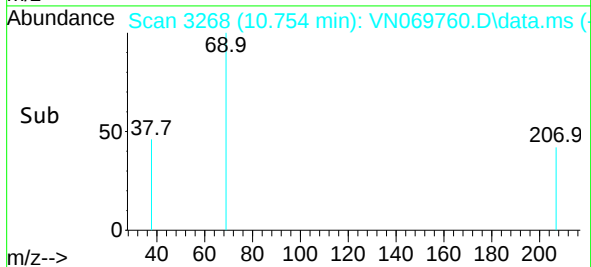
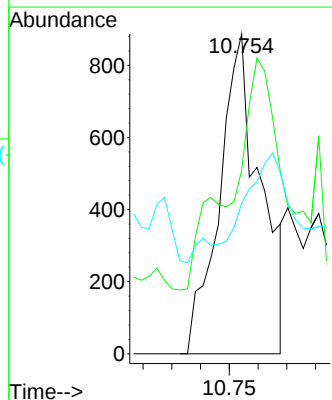
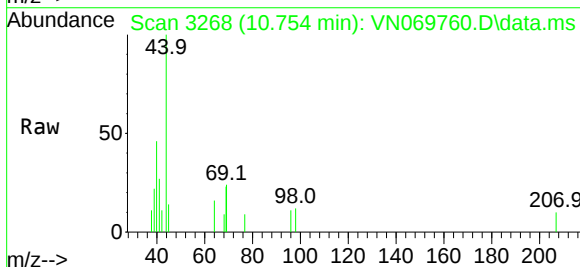
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

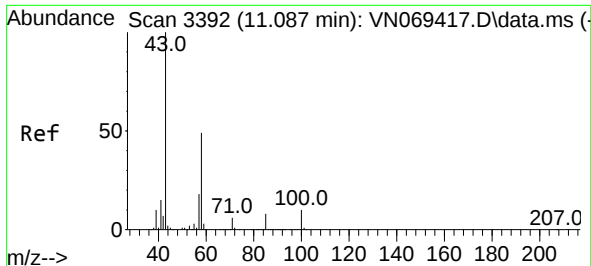
Tgt Ion: 75 Resp: 331
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.302 ug/l
 RT: 10.754 min Scan# 3268
 Delta R.T. -0.008 min
 Lab File: VN069760.D
 Acq: 4 Dec 2021 12:36

Tgt Ion: 69 Resp: 881
 Ion Ratio Lower Upper
 69 100
 41 41.3 51.4 77.0#
 39 25.8 34.6 52.0#

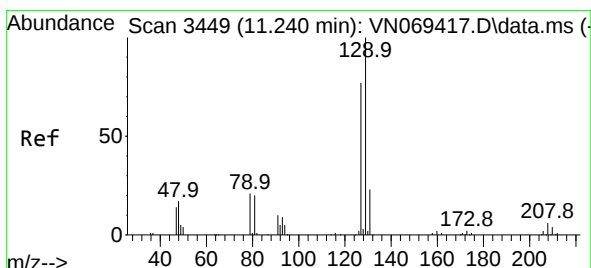
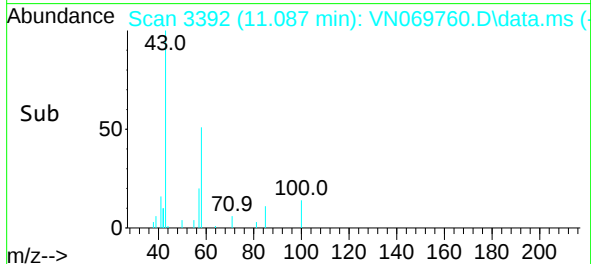
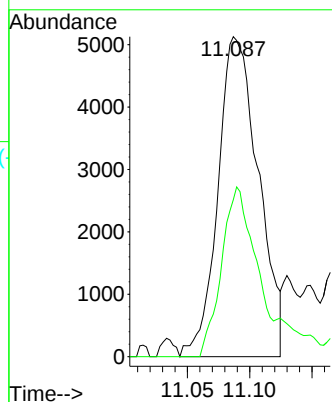
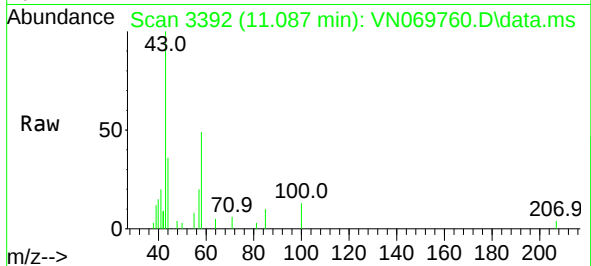




#59
2-Hexanone
Concen: 0.419 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

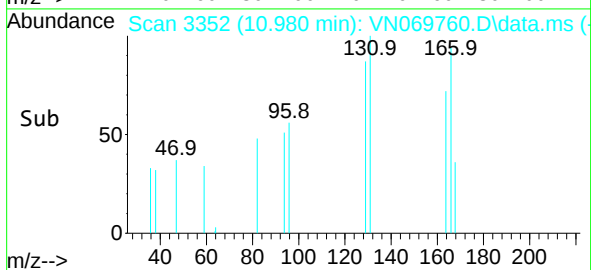
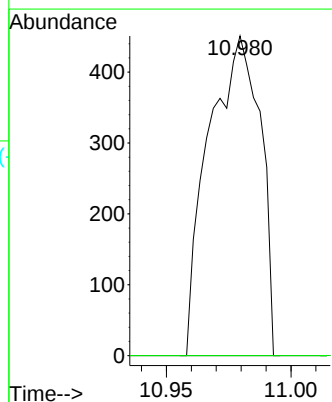
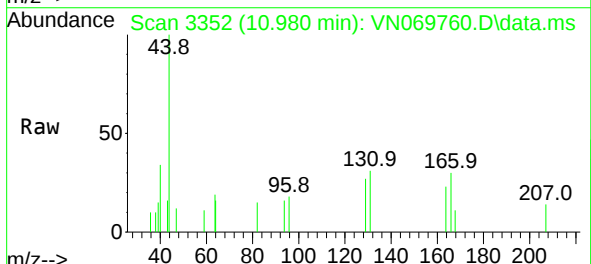
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

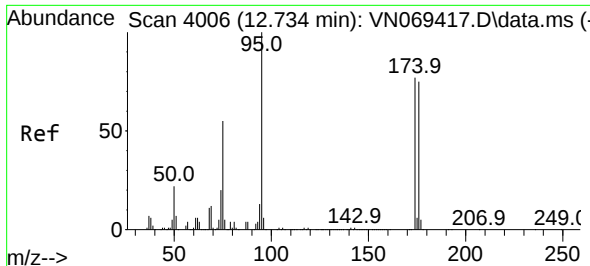
Tgt Ion: 43 Resp: 11589
Ion Ratio Lower Upper
43 100
58 44.4 26.9 80.7



#60
Dibromochloromethane
Concen: 2.406 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 129 Resp: 649
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

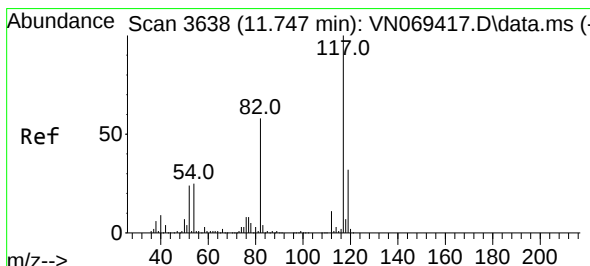
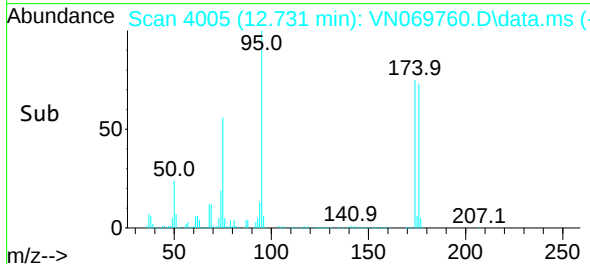
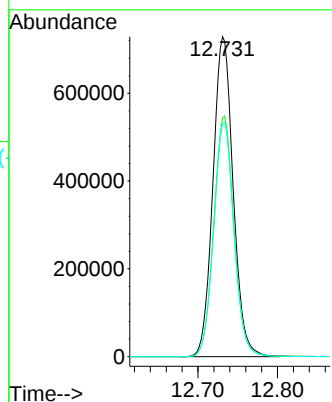
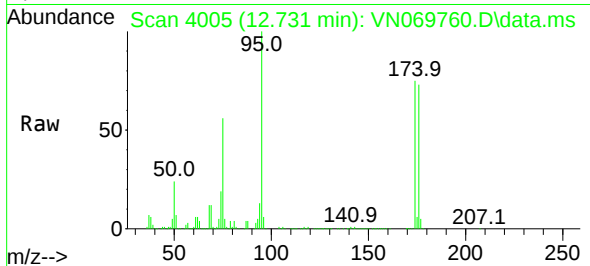




#62
4-Bromofluorobenzene
Concen: 52.591 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

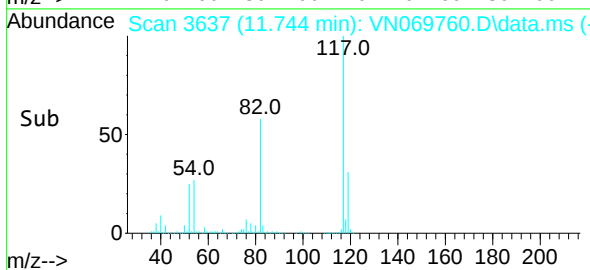
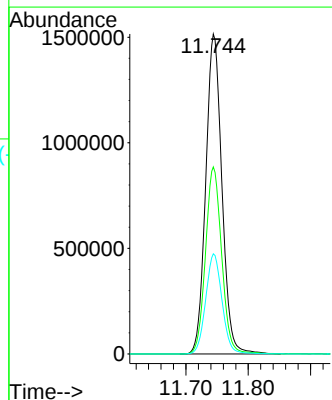
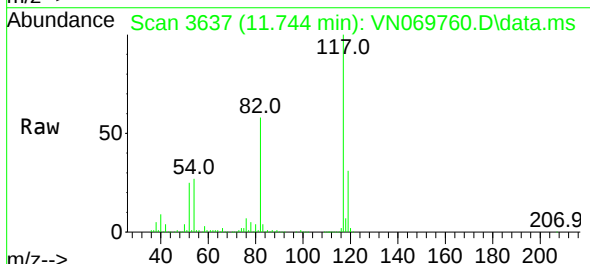
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

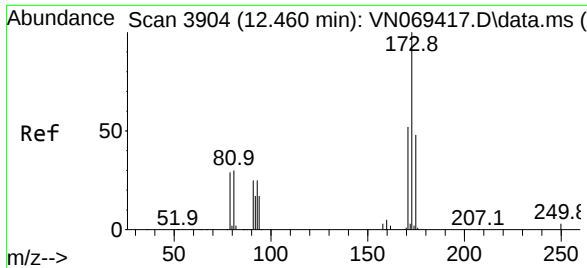
Tgt Ion: 95 Resp: 1286942
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 117 Resp: 2730652
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.3 25.4 38.2

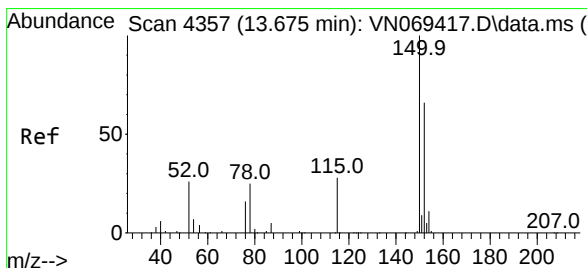
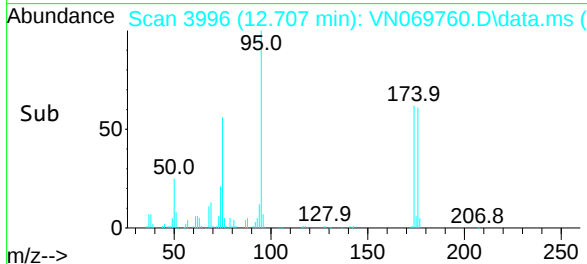
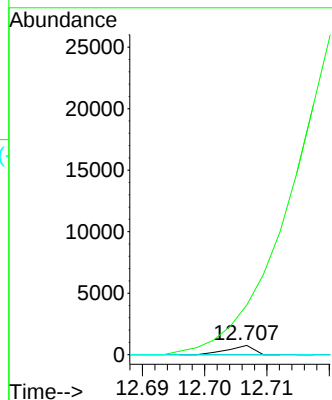
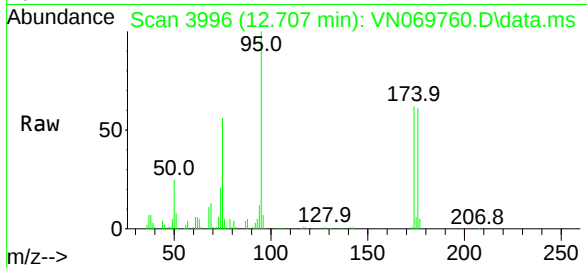




#71
Bromoform
Concen: 2.743 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

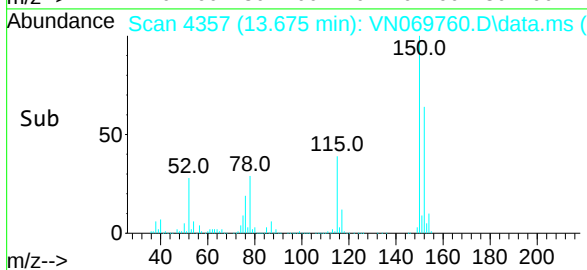
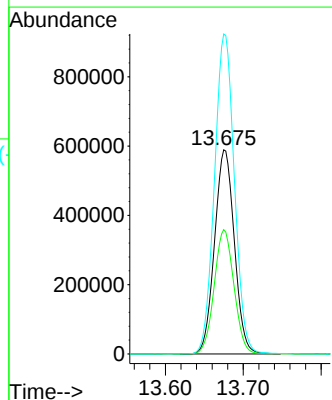
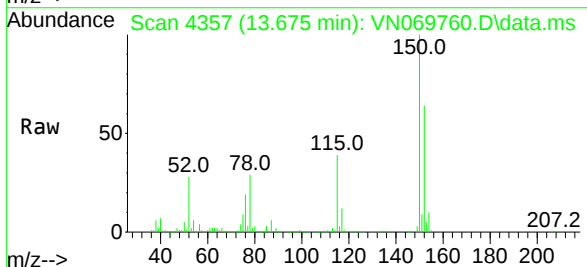
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

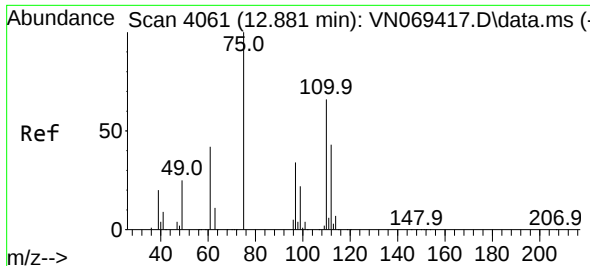
Tgt Ion:173 Resp: 218
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion:152 Resp: 1039388
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.4 0.0 344.4

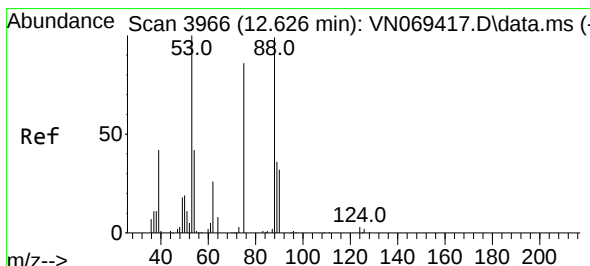
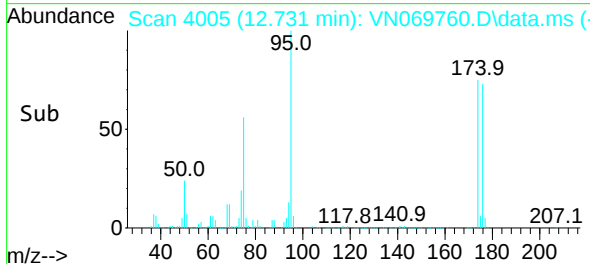
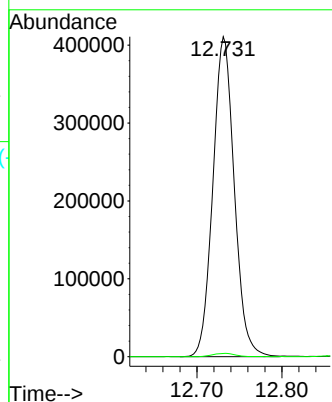
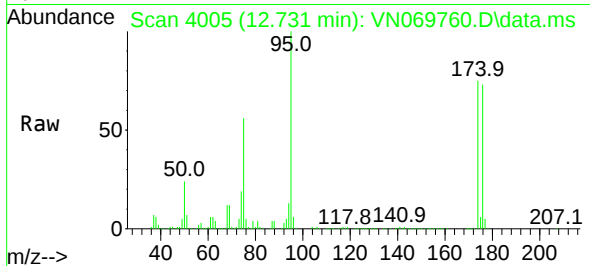




#76
1,2,3-Trichloropropane
Concen: 24.086 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

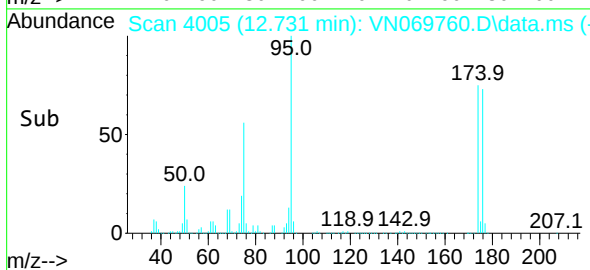
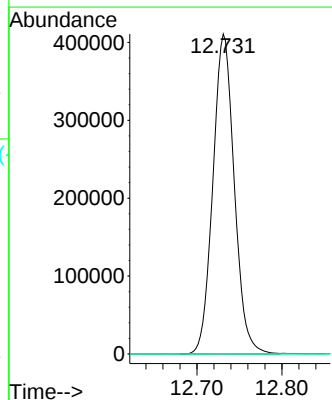
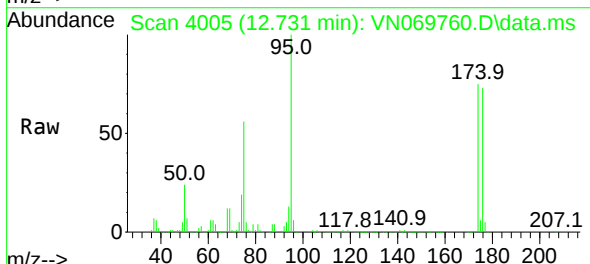
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

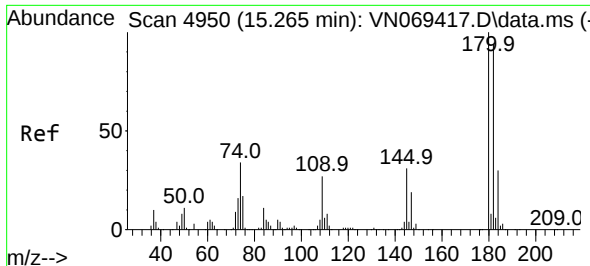
Tgt Ion: 75 Resp: 717933
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.488 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

Tgt Ion: 75 Resp: 717933
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

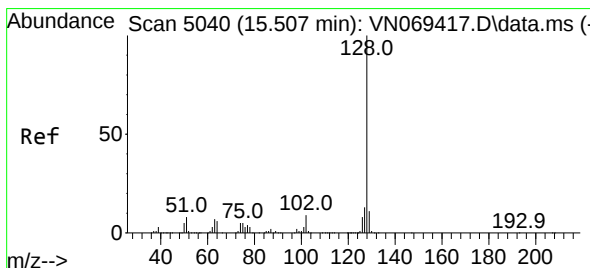
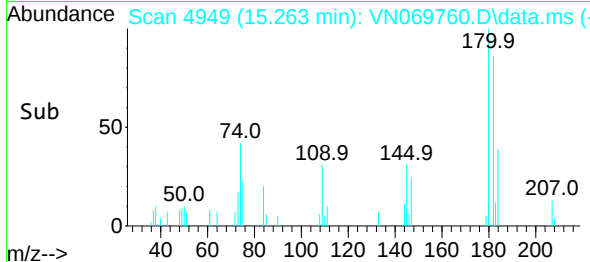
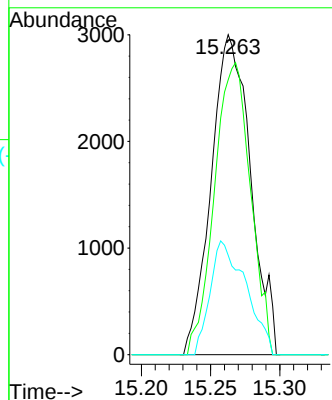
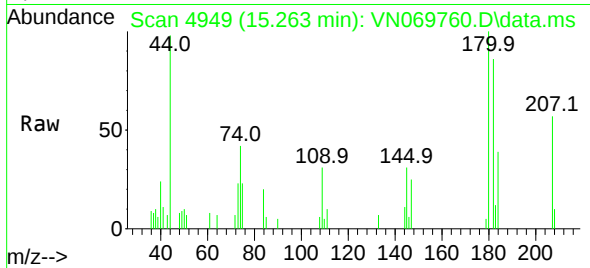




#93
1,2,4-Trichlorobenzene
Concen: 3.206 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

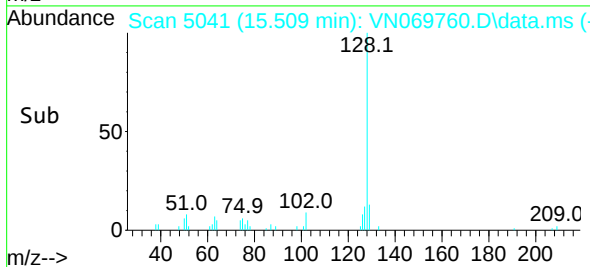
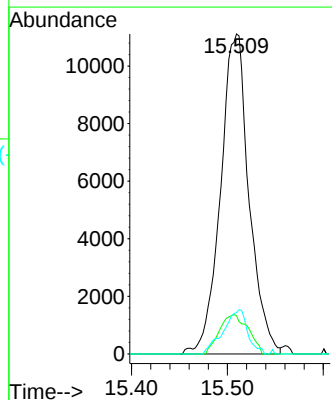
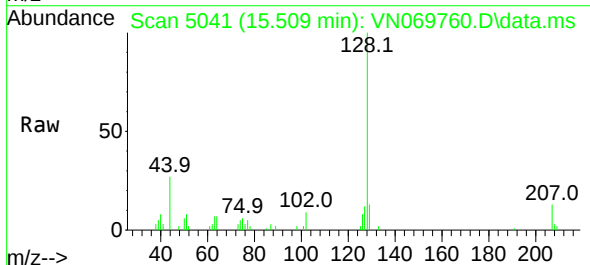
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

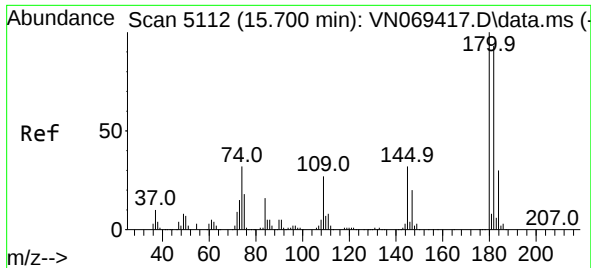
Tgt Ion:180 Resp: 5931
Ion Ratio Lower Upper
180 100
182 83.6 48.3 144.9
145 32.3 14.5 43.5



#95
Naphthalene
Concen: 4.402 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069760.D
Acq: 4 Dec 2021 12:36

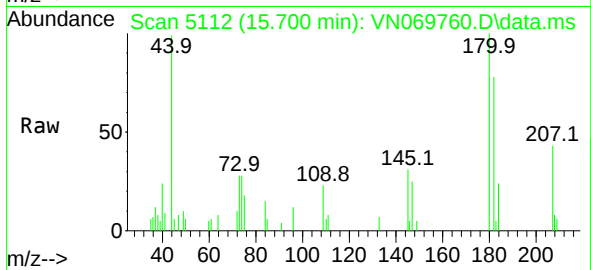
Tgt Ion:128 Resp: 22989
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 11.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.803 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069760.D
 Acq: 4 Dec 2021 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01



Tgt Ion:180 Resp: 6426
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.4 142.2
 145 29.1 15.0 45.1

