

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070106.D
 Acq On : 15 Dec 2021 12:26
 Operator : JC/MD
 Sample : VN1215WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:37:43 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)

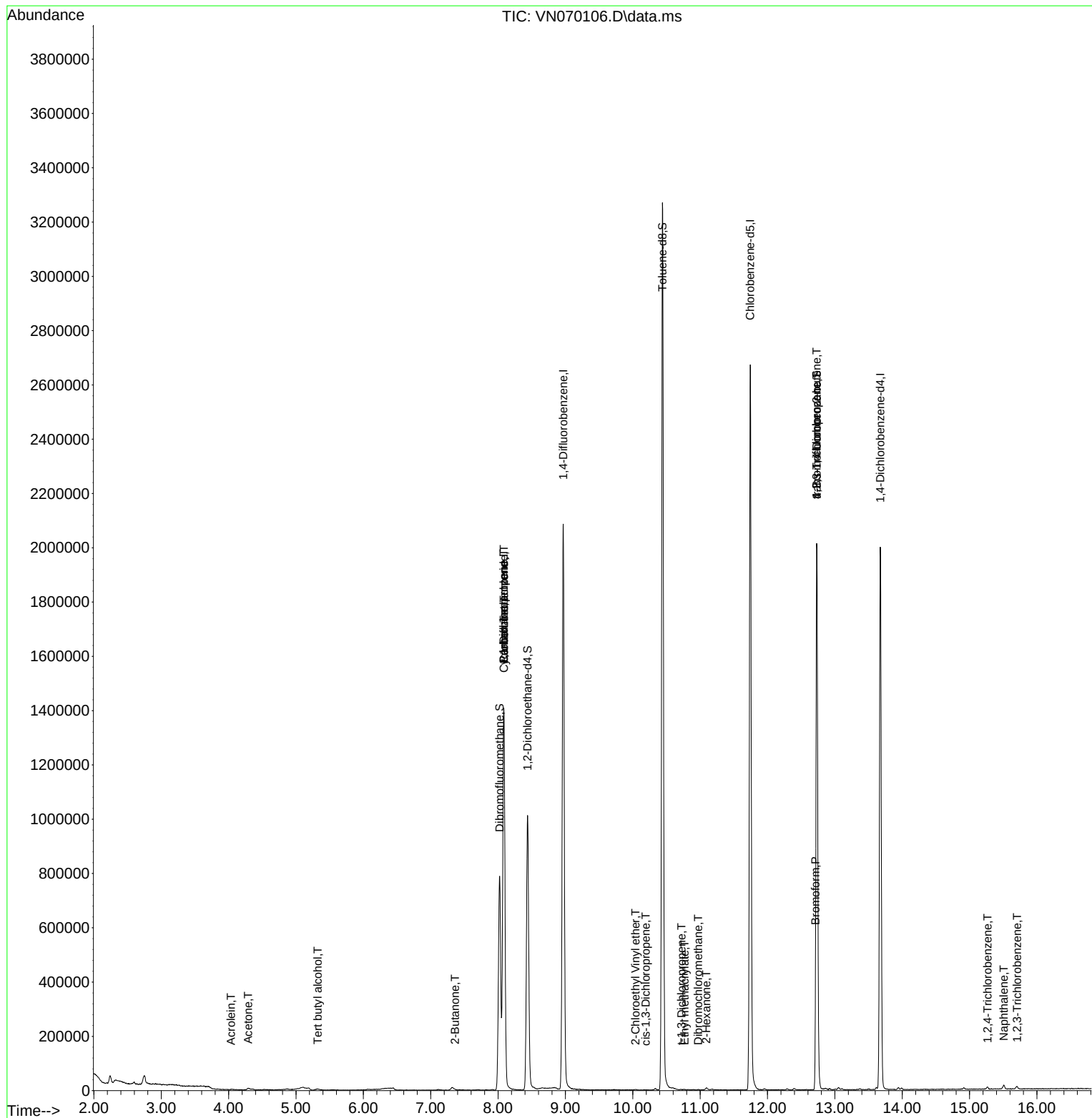
Internal Standards						
1) Pentafluorobenzene	8.086	168	1062719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1744486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1514899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	533669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	882477	53.782	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.560%		
35) Dibromofluoromethane	8.024	113	579190	53.005	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 106.000%		
50) Toluene-d8	10.440	98	2238477	51.018	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.040%		
62) 4-Bromofluorobenzene	12.731	95	725740	45.658	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 91.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.321	59	2557	0.824	ug/l #	71
13) Acrolein	4.033	56	544	0.206	ug/l	98
16) Acetone	4.288	43	7747	0.785	ug/l	94
25) 2-Butanone	7.362	43	3156	0.235	ug/l #	86
31) Cyclohexane	8.088	56	26776	1.173	ug/l #	37
36) 1,1-Dichloropropene	8.083	75	91316	5.499	ug/l #	49
38) Carbon Tetrachloride	8.086	117	110983	6.815	ug/l #	16
53) t-1,3-Dichloropropene	10.725	75	596	2.822	ug/l #	59
54) cis-1,3-Dichloropropene	10.194	75	209	2.008	ug/l #	40
56) Ethyl methacrylate	10.770	69	678	2.307	ug/l #	46
58) 2-Chloroethyl Vinyl ether	10.041	63	790	18.504	ug/l #	45
59) 2-Hexanone	11.092	43	7428	0.414	ug/l	72
60) Dibromochloromethane	10.971	129	231	2.393	ug/l #	11
71) Bromoform	12.712	173	219	2.753	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	397667	25.984	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	397667	82.196	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	3125	3.214	ug/l	87
95) Naphthalene	15.507	128	12521	4.427	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	3515	2.827	ug/l	93

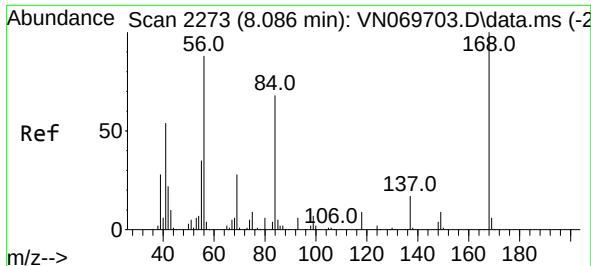
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

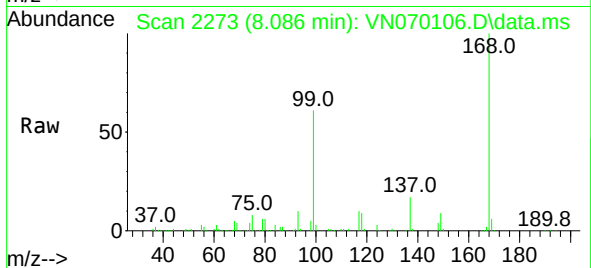
Quant Time: Dec 16 05:37:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



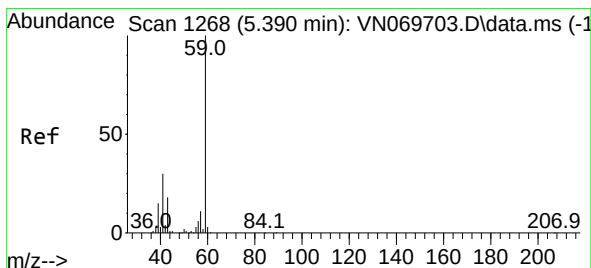
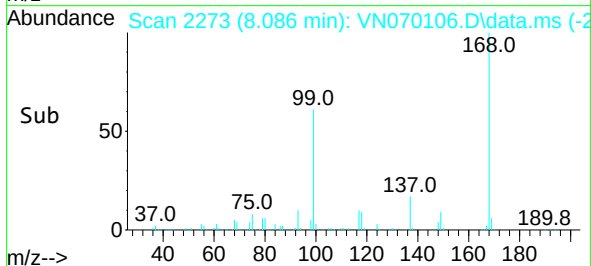
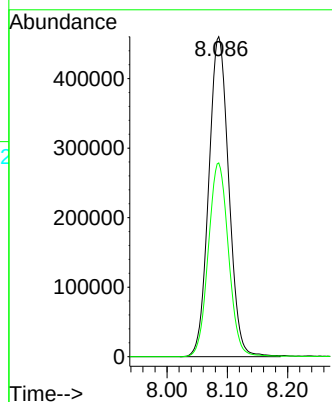


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

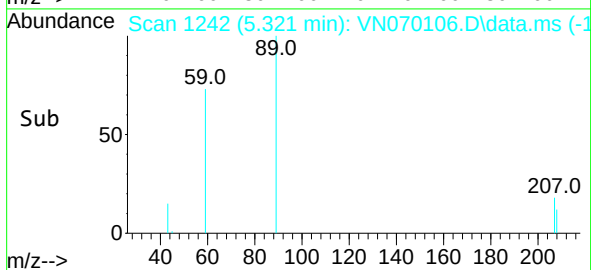
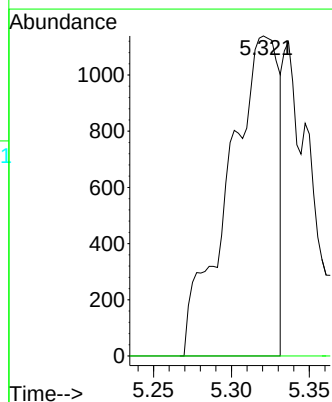
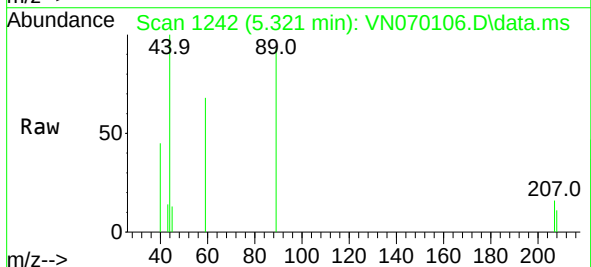


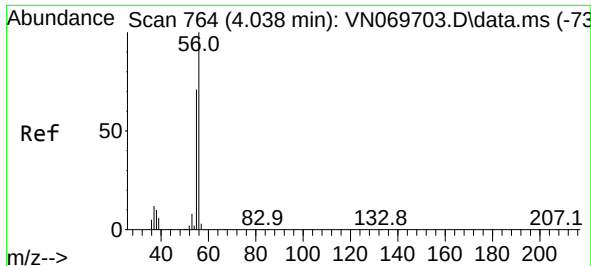
Tgt Ion:168 Resp: 1062719
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.824 ug/l
RT: 5.321 min Scan# 1242
Delta R.T. -0.070 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

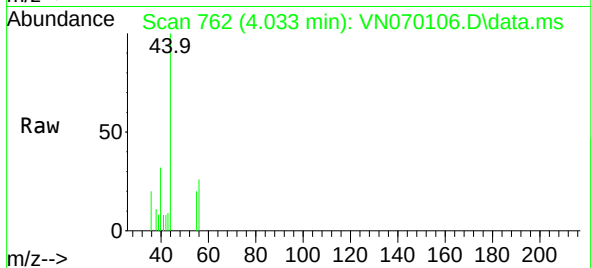
Tgt Ion: 59 Resp: 2557
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



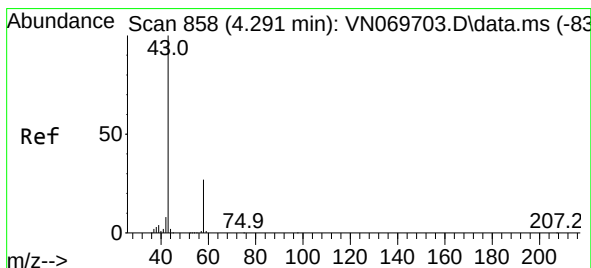
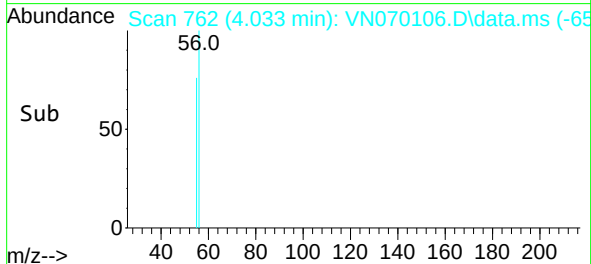
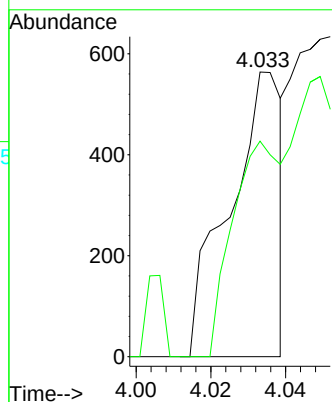


#13
Acrolein
Concen: 0.206 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

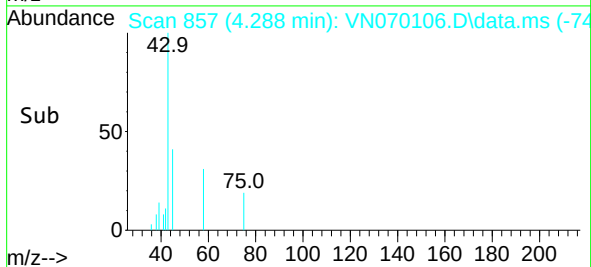
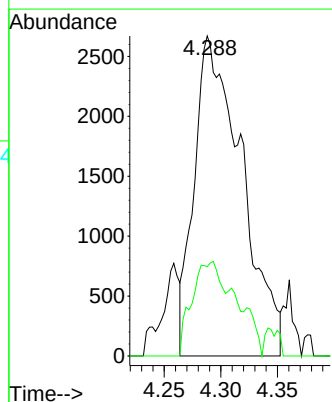
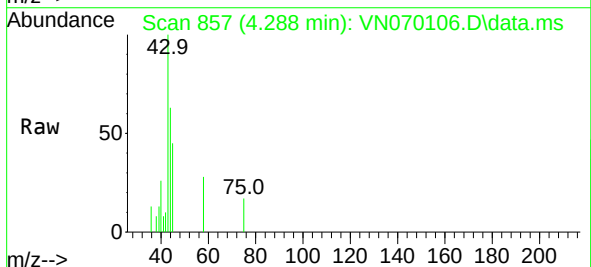


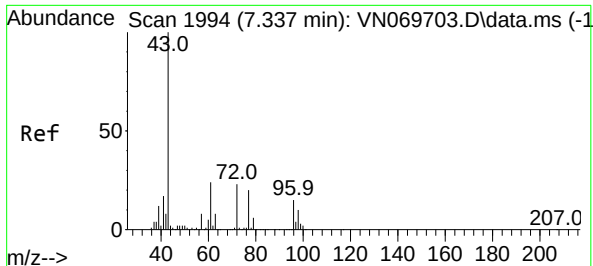
Tgt Ion: 56 Resp: 544
Ion Ratio Lower Upper
56 100
55 69.5 56.6 85.0



#16
Acetone
Concen: 0.785 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Tgt Ion: 43 Resp: 7747
Ion Ratio Lower Upper
43 100
58 32.3 23.1 34.7





#25

2-Butanone

Concen: 0.235 ug/l

RT: 7.362 min Scan# 20

Delta R.T. 0.024 min

Lab File: VN070106.D

Acq: 15 Dec 2021 12:26

Instrument :

MSVOA_N

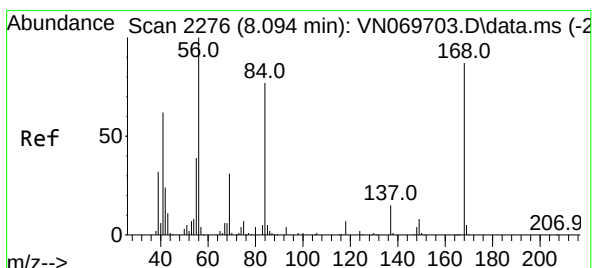
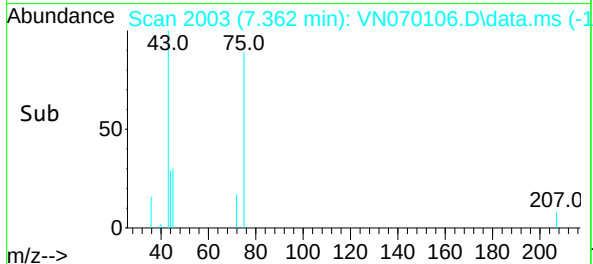
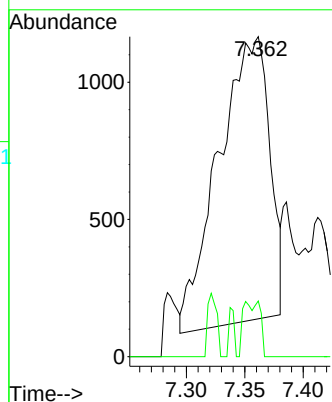
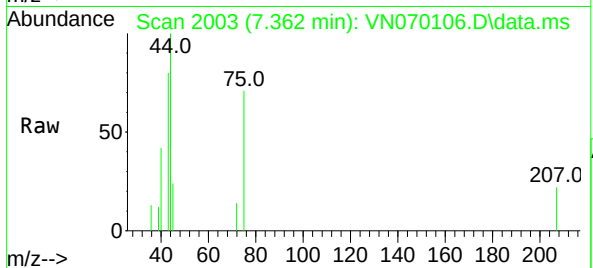
ClientSampleId :

Tgt Ion: 43 Resp: 3156

Ion Ratio Lower Upper

43 100

72 20.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.005 min

Lab File: VN070106.D

Acq: 15 Dec 2021 12:26

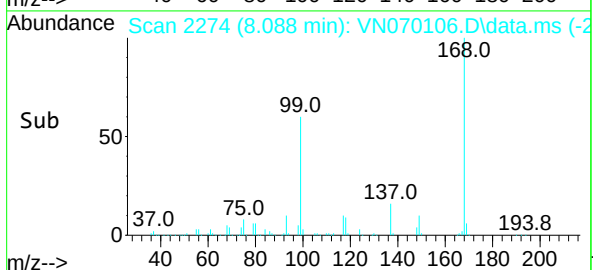
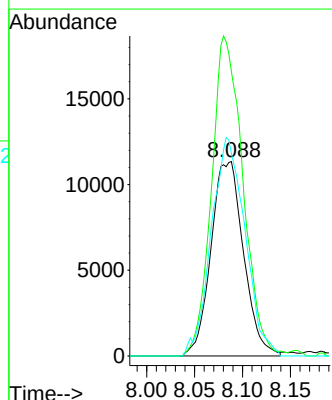
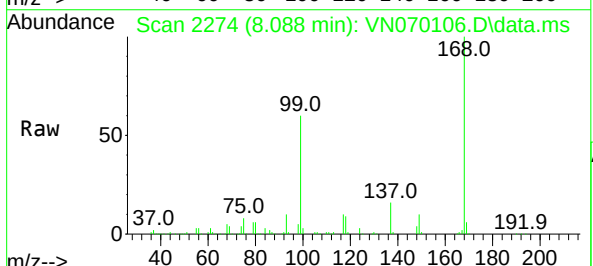
Tgt Ion: 56 Resp: 26776

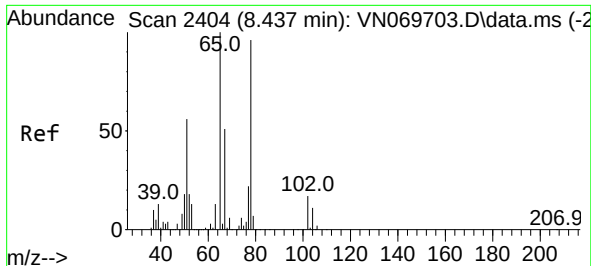
Ion Ratio Lower Upper

56 100

69 146.4 27.1 40.7#

84 104.3 73.4 110.0

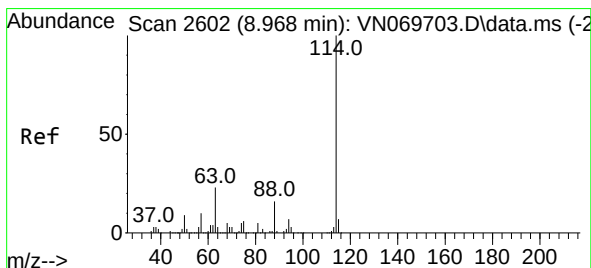
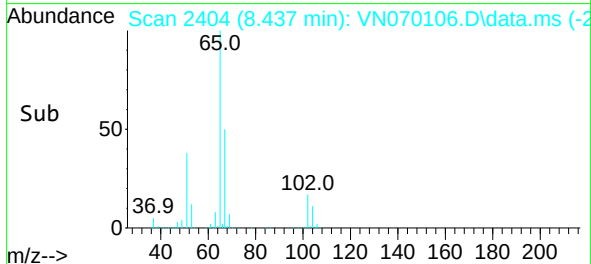
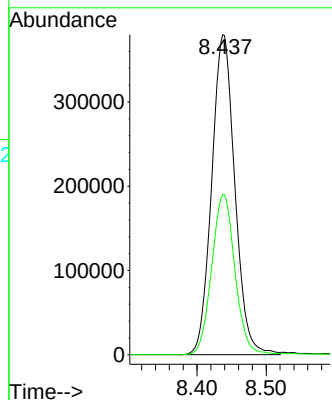
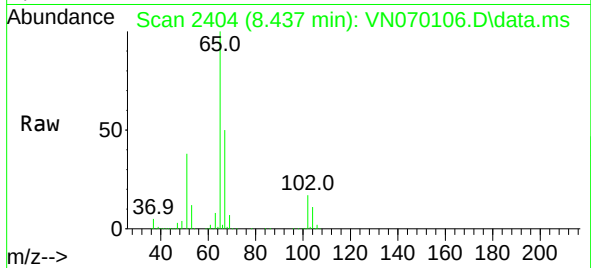




#33
 1,2-Dichloroethane-d4
 Concen: 53.782 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. 0.000 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

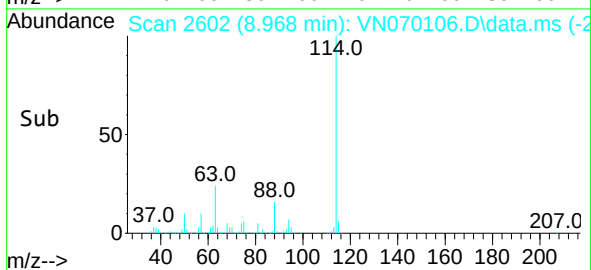
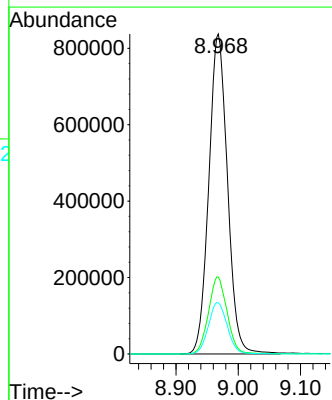
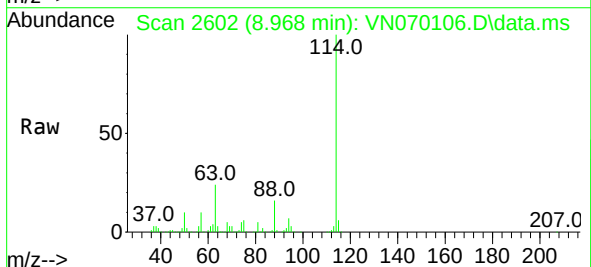
Instrument :
 MSVOA_N
 ClientSampleId :

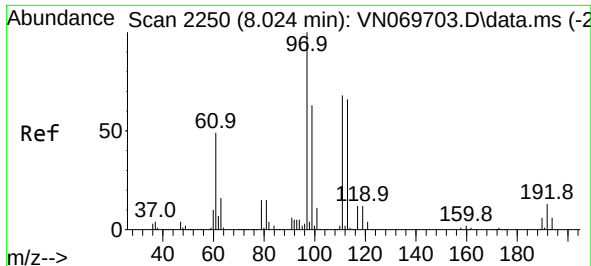
Tgt Ion: 65 Resp: 882477
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

Tgt Ion: 114 Resp: 1744486
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 37.8
 88 16.0 0.0 27.4

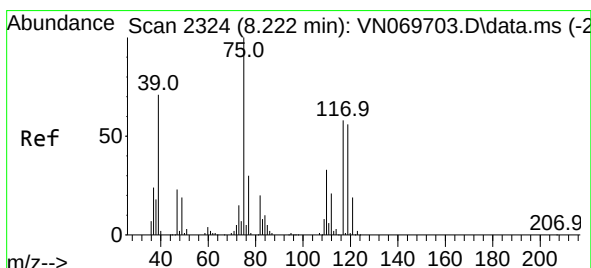
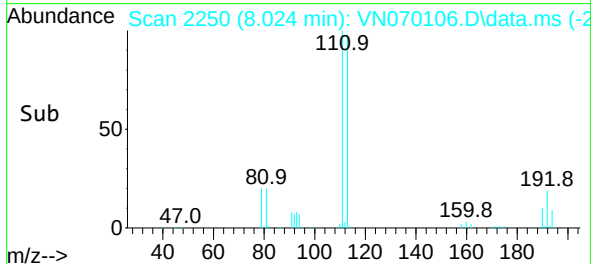
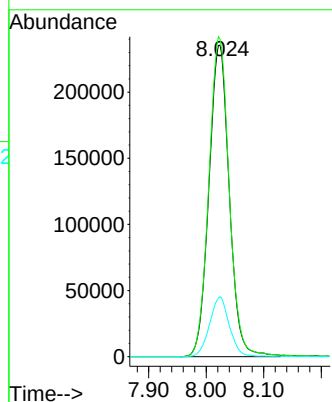
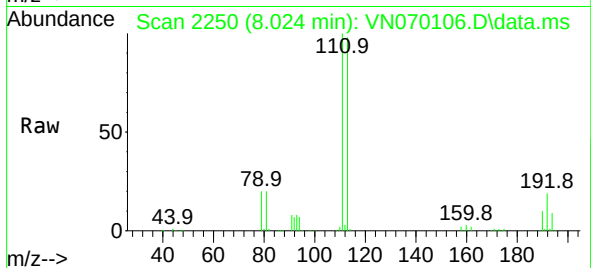




#35
 Dibromofluoromethane
 Concen: 53.005 ug/l
 RT: 8.024 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

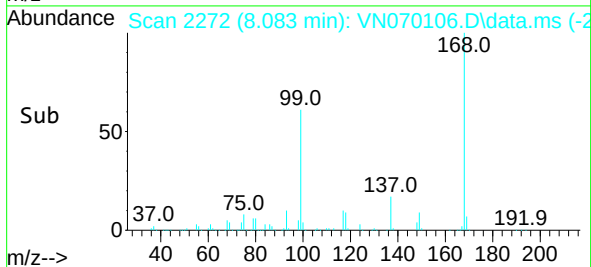
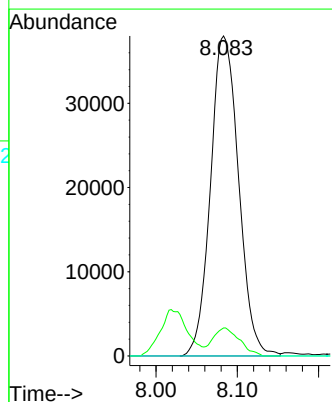
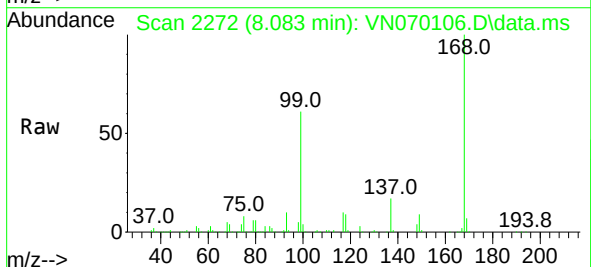
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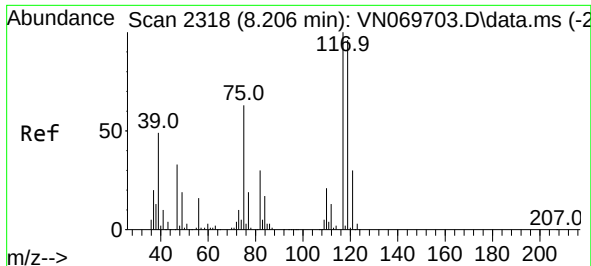
Tgt Ion:113 Resp: 579190
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.2
 192 18.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 5.499 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.139 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

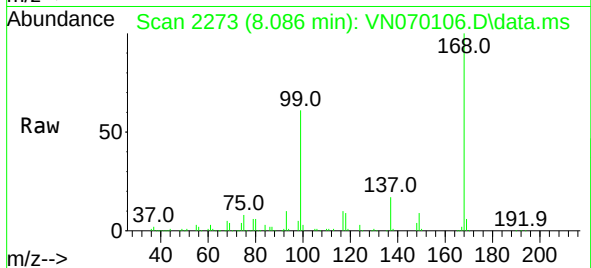
Tgt Ion: 75 Resp: 91316
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 24.4 36.6#



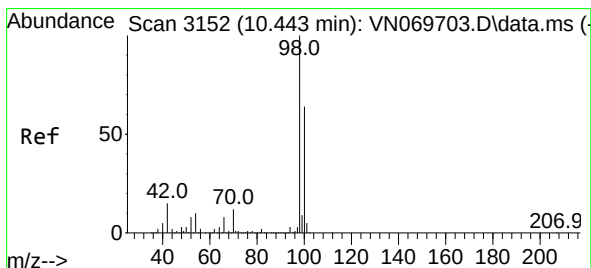
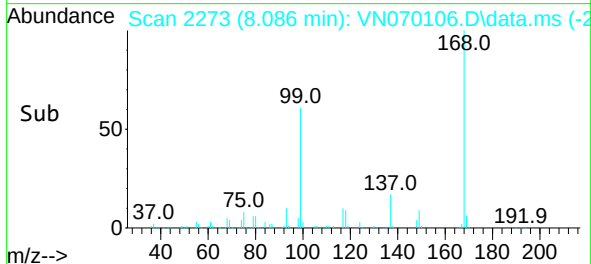
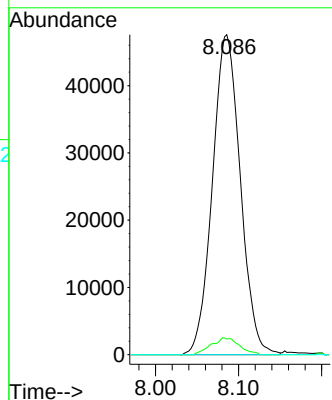


#38
Carbon Tetrachloride
Concen: 6.815 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

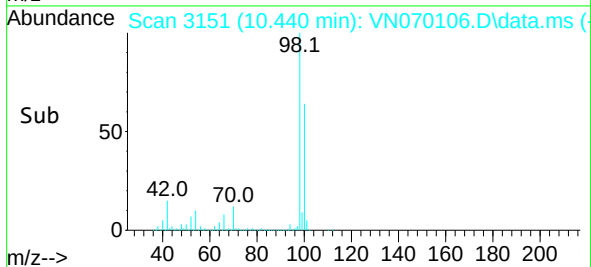
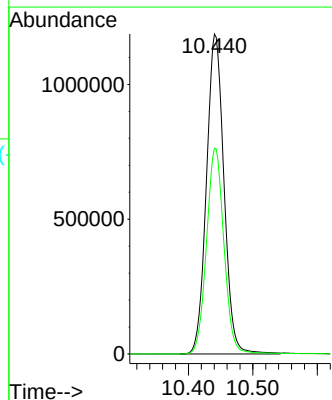
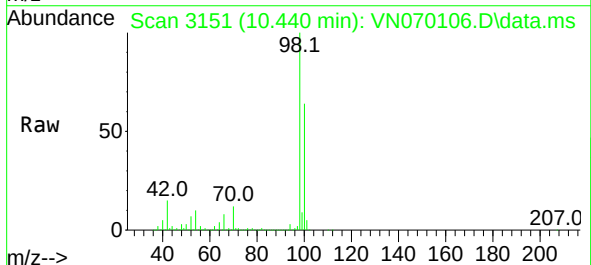


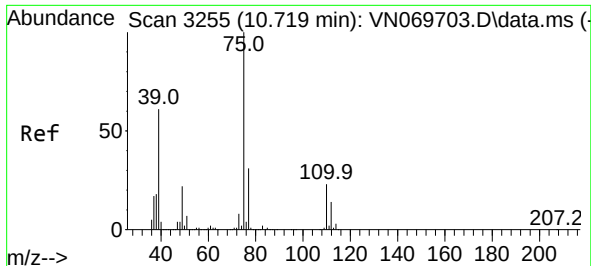
Tgt Ion:117 Resp: 110983
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.018 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

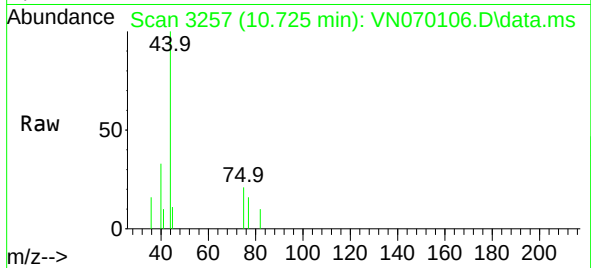
Tgt Ion: 98 Resp: 2238477
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



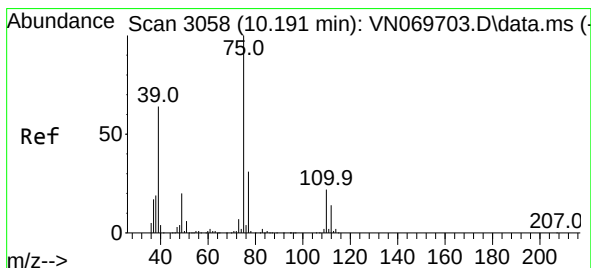
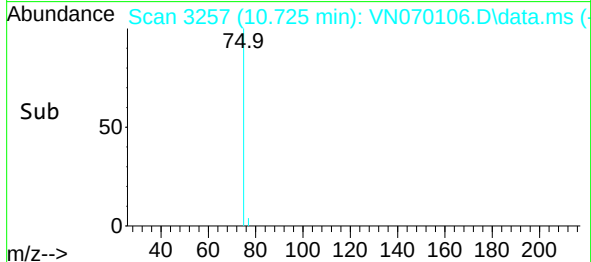
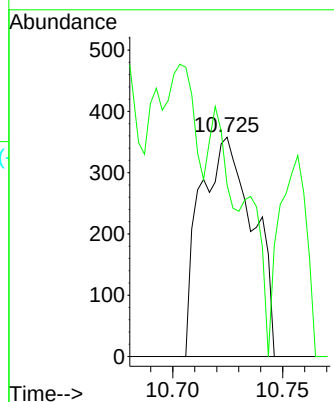


#53
 t-1,3-Dichloropropene
 Concen: 2.822 ug/l
 RT: 10.725 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

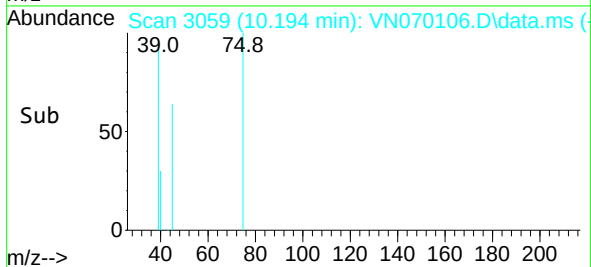
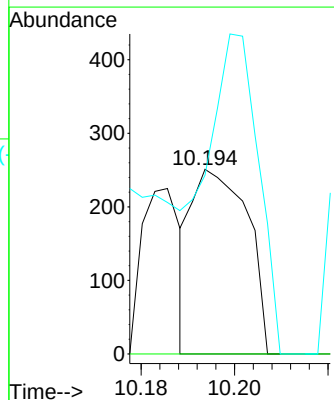
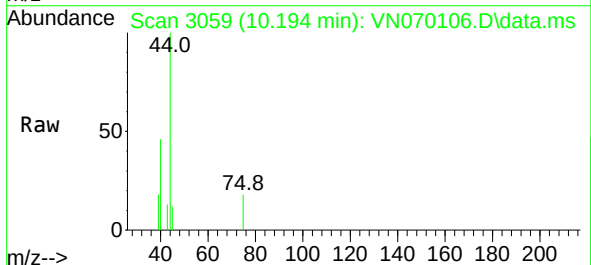


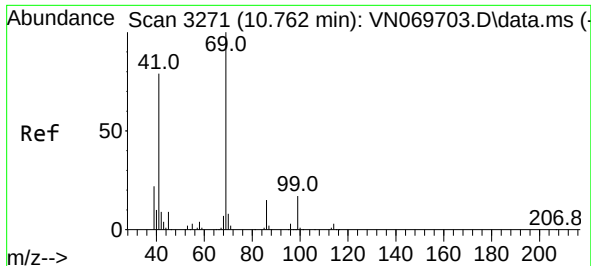
Tgt Ion: 75 Resp: 596
 Ion Ratio Lower Upper
 75 100
 77 8.9 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.008 ug/l
 RT: 10.194 min Scan# 3059
 Delta R.T. 0.003 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

Tgt Ion: 75 Resp: 209
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 96.8 42.5 63.7#

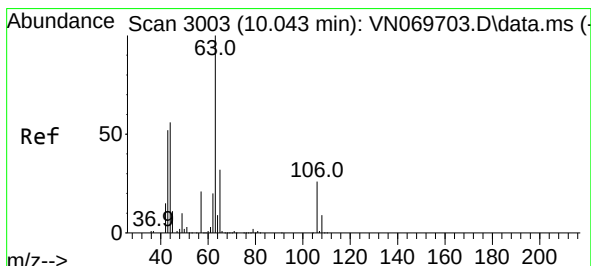
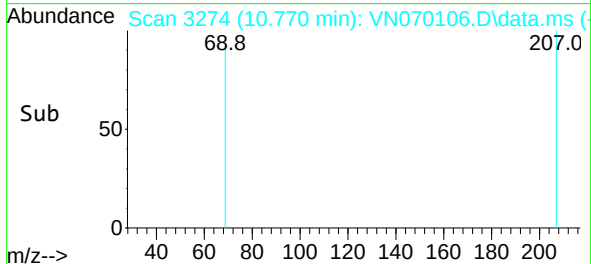
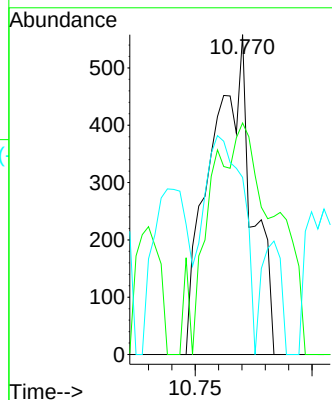
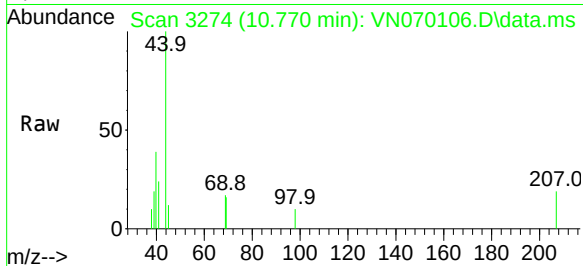




#56
Ethyl methacrylate
Concen: 2.307 ug/l
RT: 10.770 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

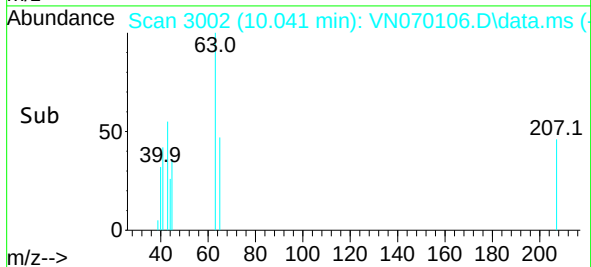
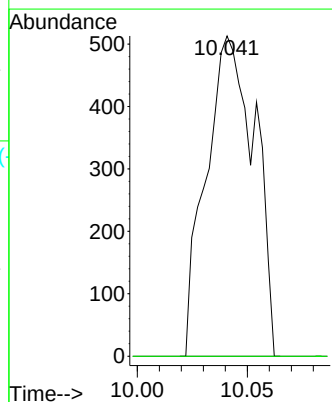
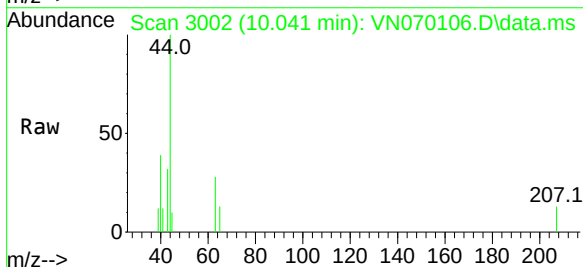
Instrument :
MSVOA_N
ClientSampleId :

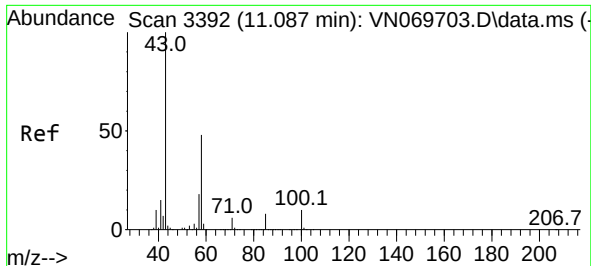
Tgt Ion: 69 Resp: 678
Ion Ratio Lower Upper
69 100
41 116.4 51.4 77.0#
39 65.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.504 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Tgt Ion: 63 Resp: 790
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

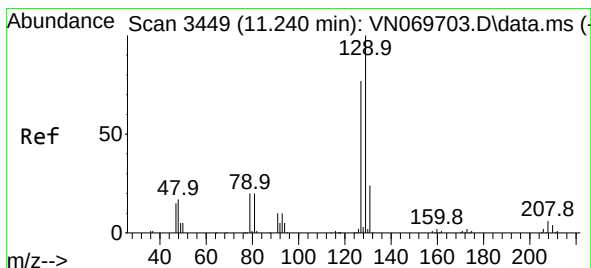
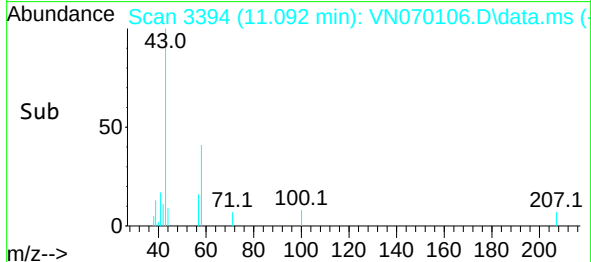
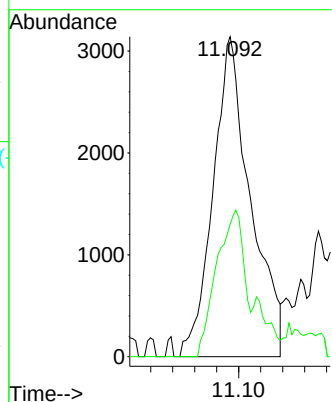
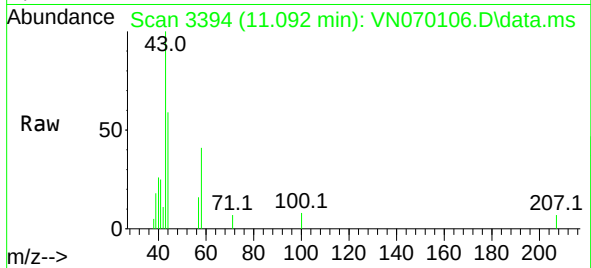




#59
2-Hexanone
Concen: 0.414 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

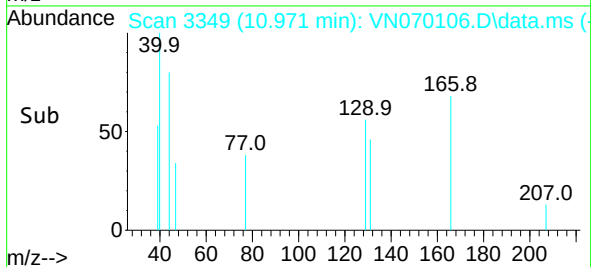
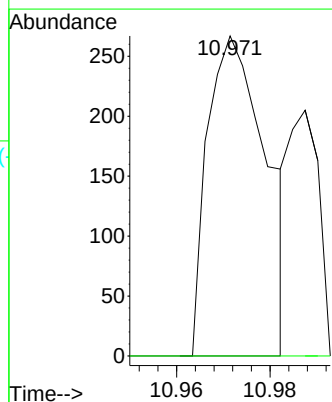
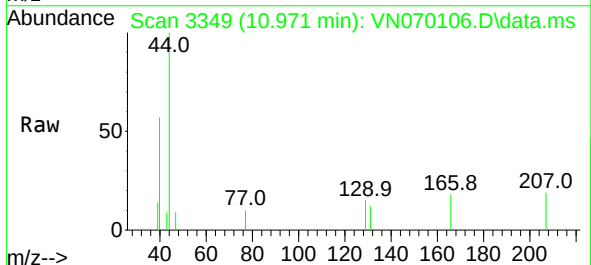
Instrument :
MSVOA_N
ClientSampleId :

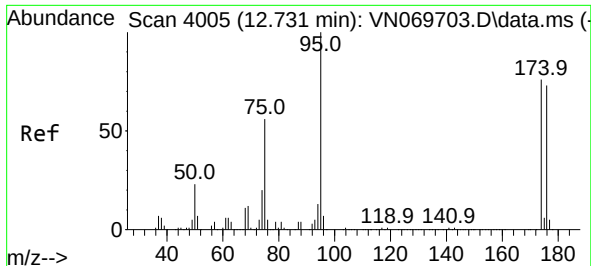
Tgt Ion: 43 Resp: 7428
Ion Ratio Lower Upper
43 100
58 33.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.393 ug/l
RT: 10.971 min Scan# 3349
Delta R.T. -0.269 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Tgt Ion:129 Resp: 231
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

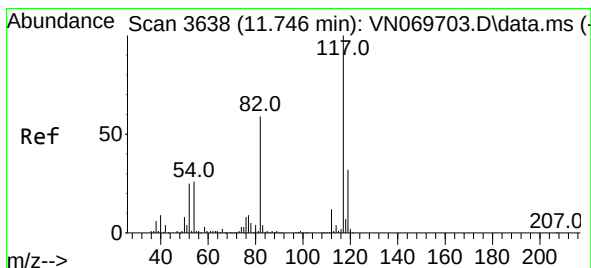
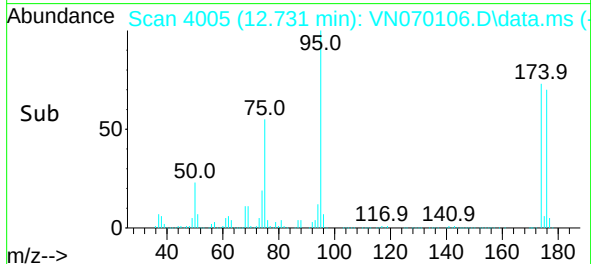
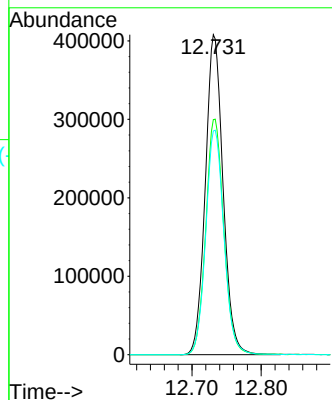
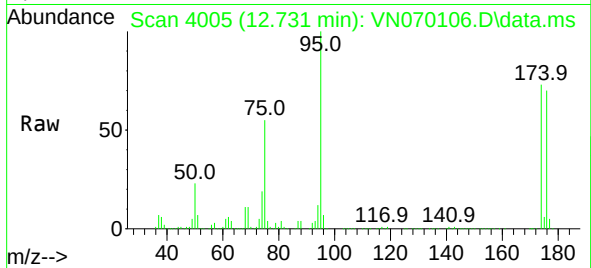




#62
4-Bromofluorobenzene
Concen: 45.658 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

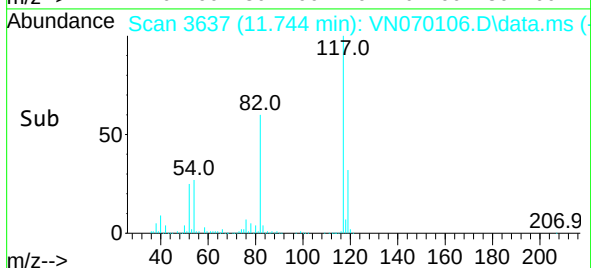
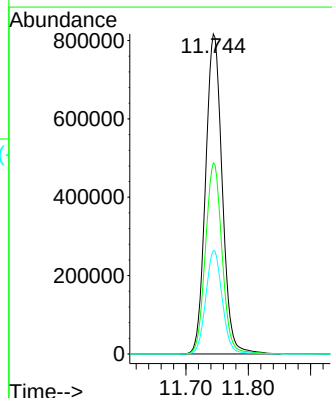
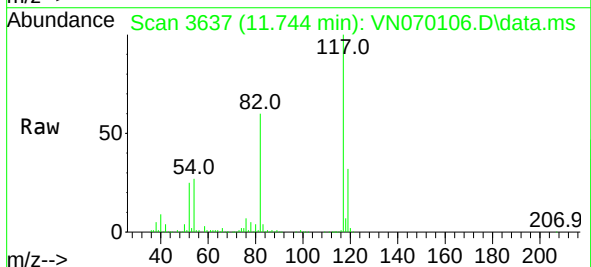
Instrument :
MSVOA_N
ClientSampleId :

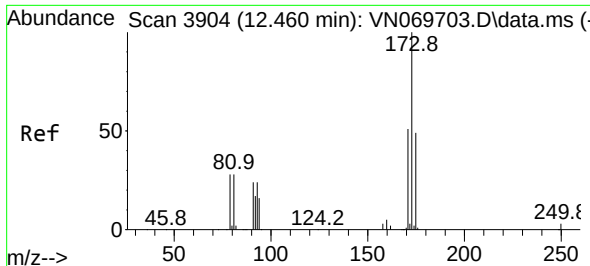
Tgt Ion: 95 Resp: 725740
Ion Ratio Lower Upper
95 100
174 74.9 0.0 187.2
176 71.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Tgt Ion: 117 Resp: 1514899
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.4 25.4 38.2

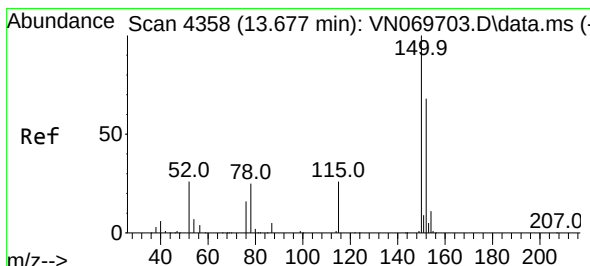
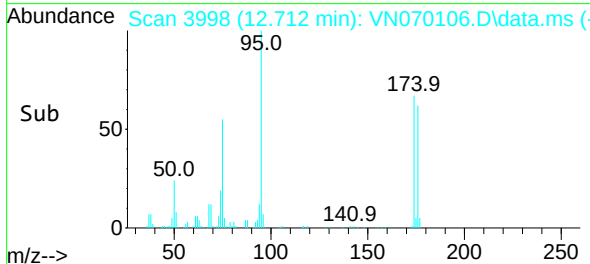
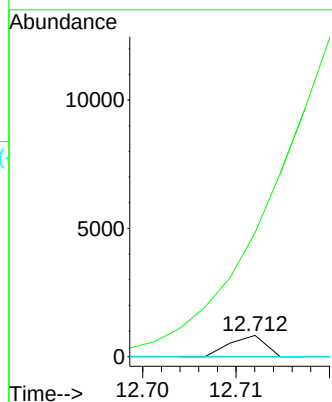
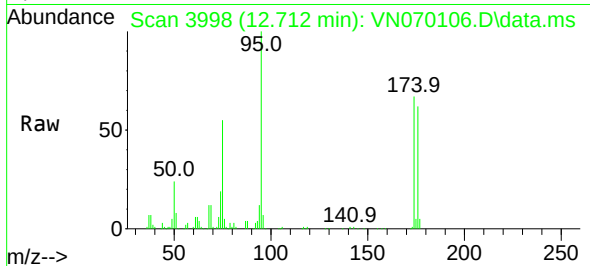




#71
Bromoform
Concen: 2.753 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

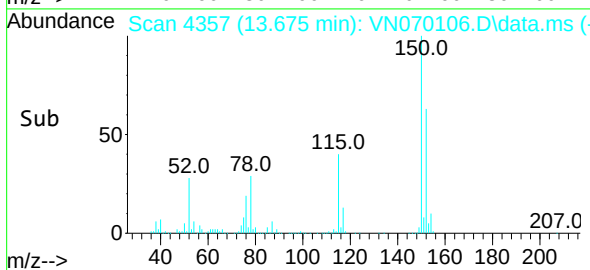
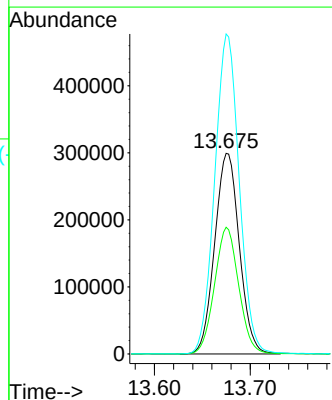
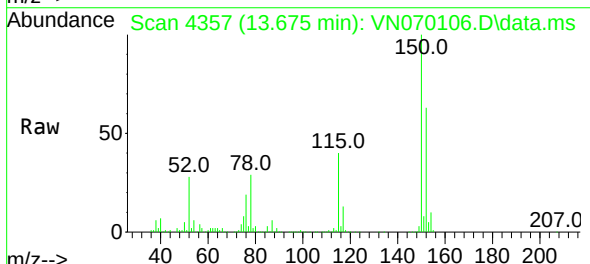
Instrument :
MSVOA_N
ClientSampleId :

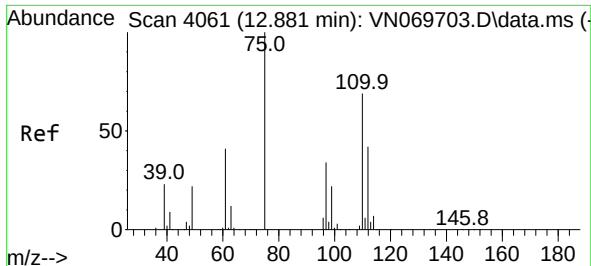
Tgt Ion:173 Resp: 219
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

Tgt Ion:152 Resp: 533669
Ion Ratio Lower Upper
152 100
115 62.1 27.5 82.5
150 158.9 0.0 344.4

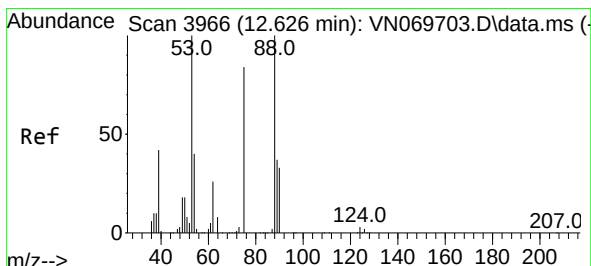
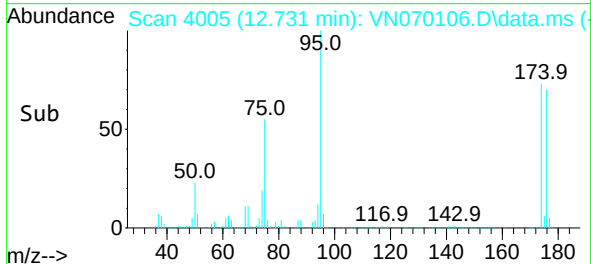
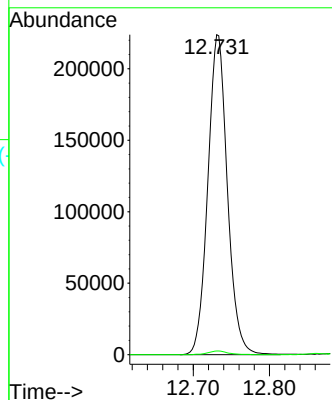
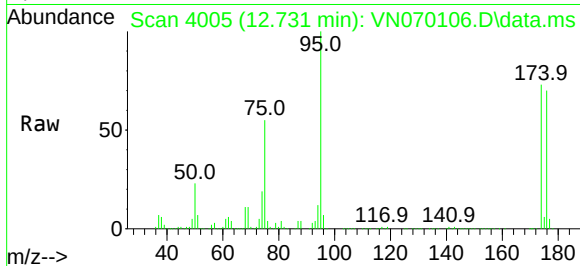




#76
1,2,3-Trichloropropane
Concen: 25.984 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

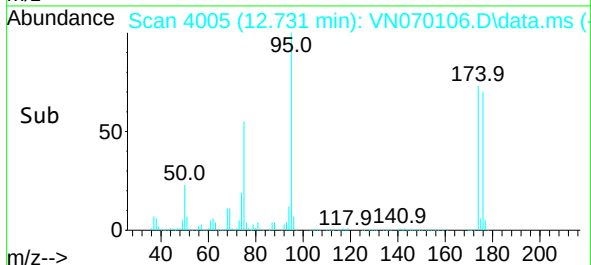
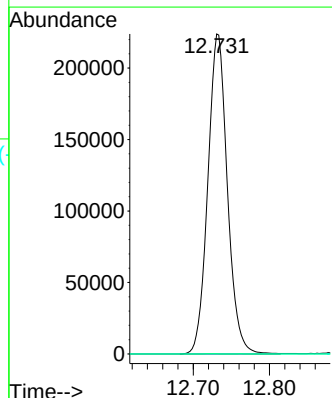
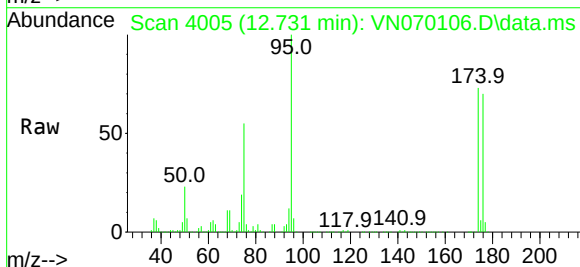
Instrument :
MSVOA_N
ClientSampleId :

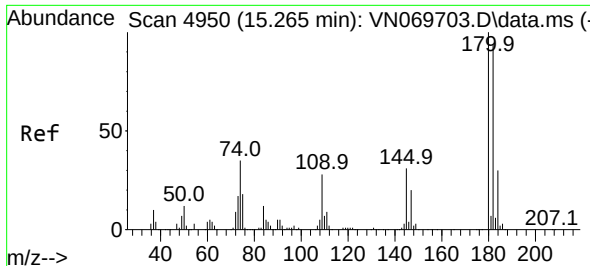
Tgt Ion: 75 Resp: 397667
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.196 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070106.D
Acq: 15 Dec 2021 12:26

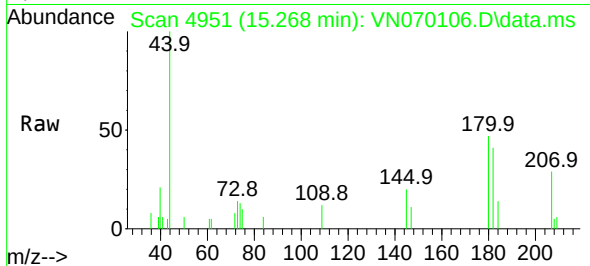
Tgt Ion: 75 Resp: 397667
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



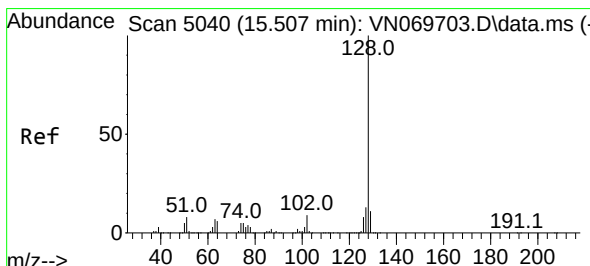
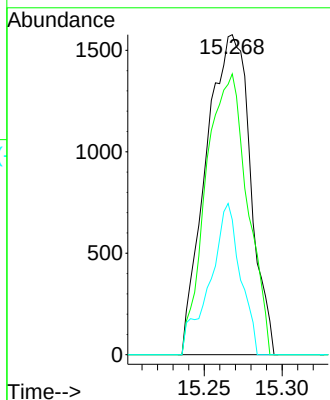
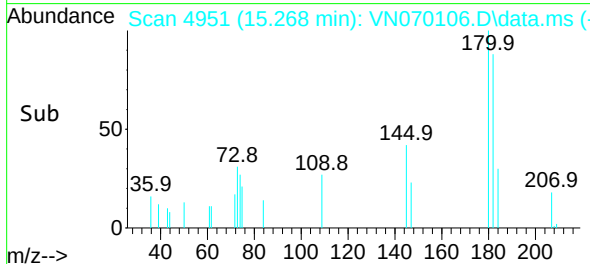


#93
 1,2,4-Trichlorobenzene
 Concen: 3.214 ug/l
 RT: 15.268 min Scan# 4950
 Delta R.T. 0.003 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

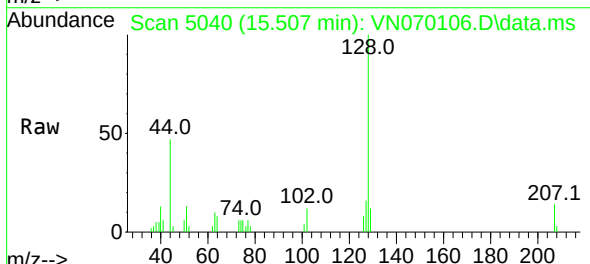
Instrument :
 MSVOA_N
 ClientSampleId :



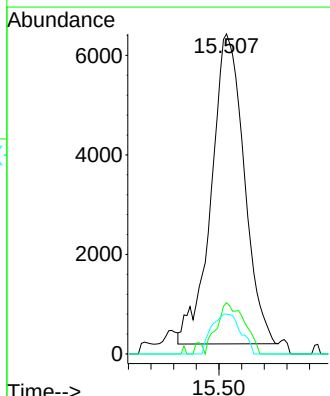
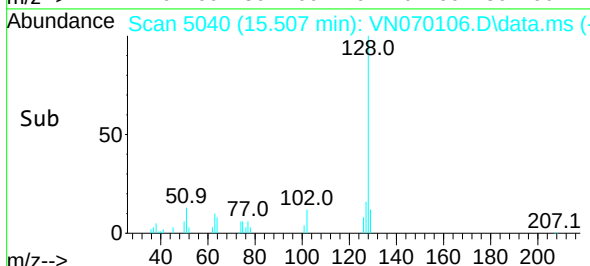
Tgt Ion:180 Resp: 3125
 Ion Ratio Lower Upper
 180 100
 182 82.0 48.3 144.9
 145 32.6 14.5 43.5

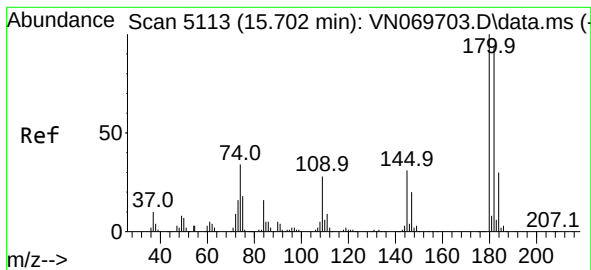


#95
 Naphthalene
 Concen: 4.427 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.000 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26



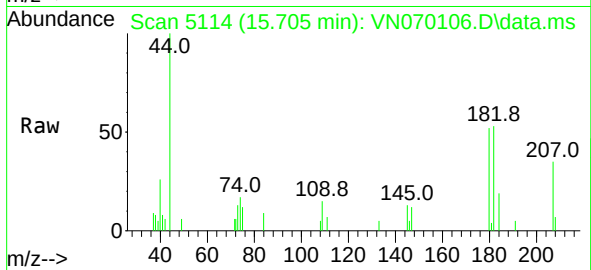
Tgt Ion:128 Resp: 12521
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.5 15.7
 129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.827 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070106.D
 Acq: 15 Dec 2021 12:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	3515
Ion Ratio	Lower	Upper
180	100	
182	99.3	47.4 142.2
145	22.1	15.0 45.1

