

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070232.D
 Acq On : 20 Dec 2021 11:25
 Operator : JC/MD
 Sample : VN1220WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 15:09:17 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

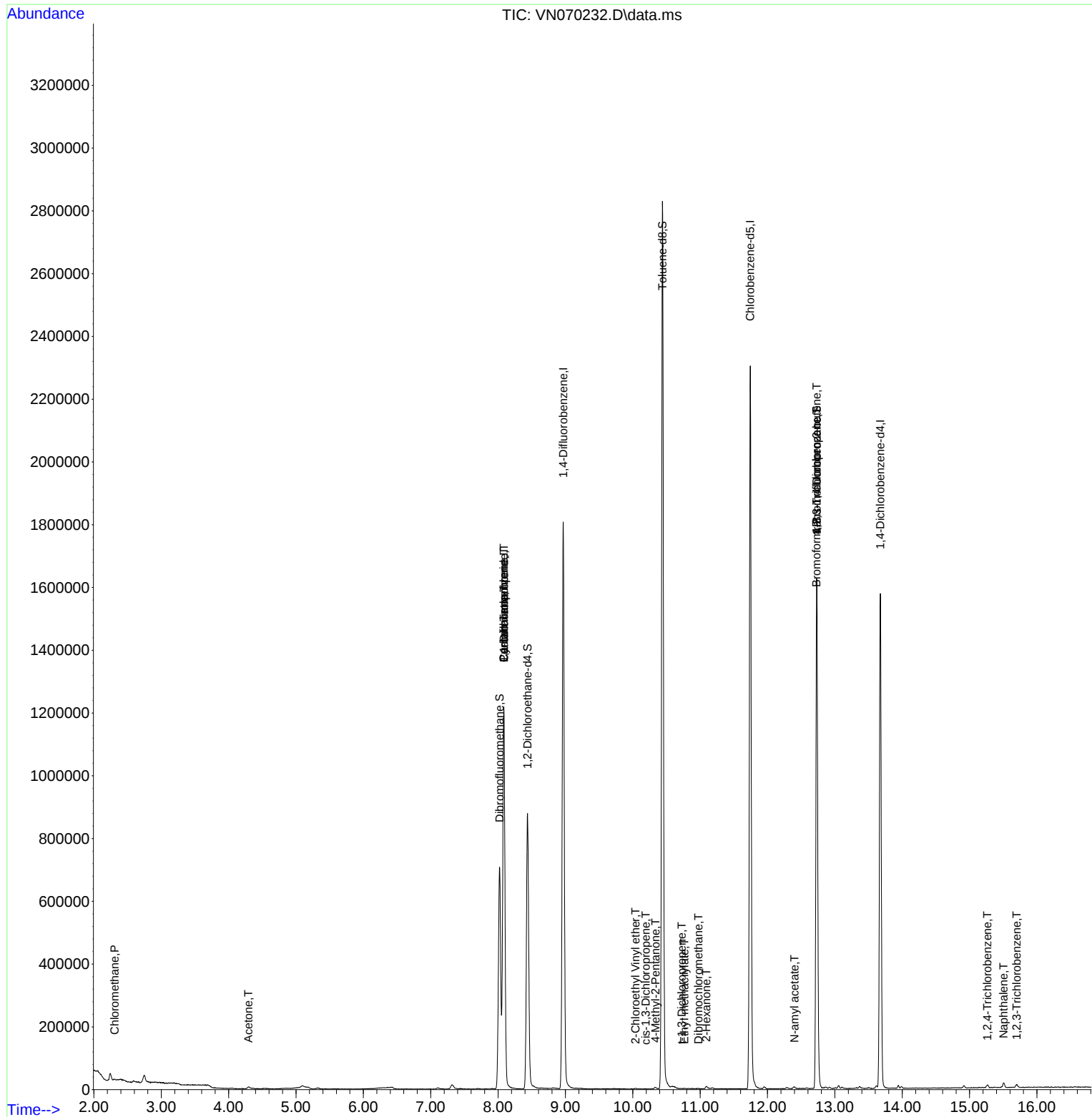
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	916776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1533952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1319095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	434159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	763951	53.970	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.940%	
35) Dibromofluoromethane	8.021	113	520258	54.146	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.300%	
50) Toluene-d8	10.440	98	1967449	50.996	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.731	95	603088	43.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.300%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3081	0.230	ug/l	90
16) Acetone	4.293	43	4131	0.485	ug/l	95
31) Cyclohexane	8.086	56	23095	1.172	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	75554	5.174	ug/l #	44
38) Carbon Tetrachloride	8.086	117	91279	6.374	ug/l #	16
51) 4-Methyl-2-Pentanone	10.336	43	4658	0.223	ug/l #	80
53) t-1,3-Dichloropropene	10.727	75	181	2.804	ug/l #	78
54) cis-1,3-Dichloropropene	10.191	75	133	2.005	ug/l #	42
56) Ethyl methacrylate	10.765	69	797	2.316	ug/l #	81
58) 2-Chloroethyl Vinyl ether	10.041	63	791	18.520	ug/l #	45
59) 2-Hexanone	11.092	43	7780	0.493	ug/l	79
60) Dibromochloromethane	10.974	129	55	2.381	ug/l #	11
71) Bromoform	12.725	173	1953	2.960	ug/l #	29
74) N-amyl acetate	12.401	43	4643	0.272	ug/l #	87
76) 1,2,3-Trichloropropane	12.731	75	327183	26.278	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	327183	83.081	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	3338	3.320	ug/l #	54
95) Naphthalene	15.504	128	14316	4.606	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	3709	2.944	ug/l	85

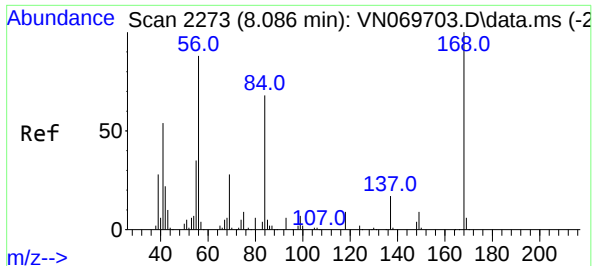
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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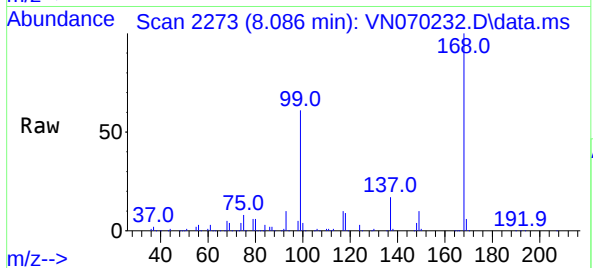
Quant Time: Dec 20 15:09:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



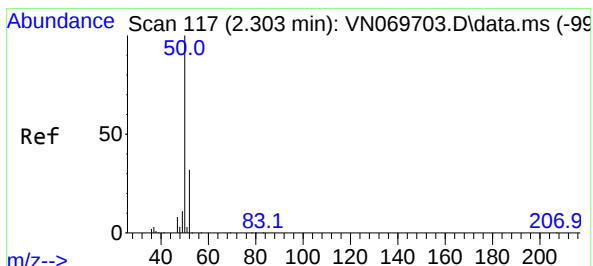
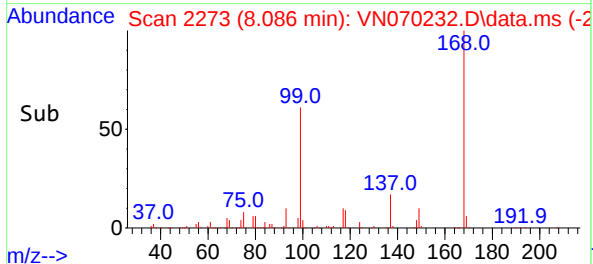
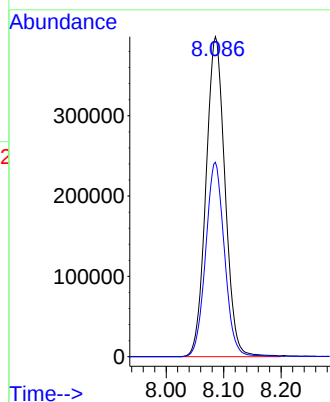


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

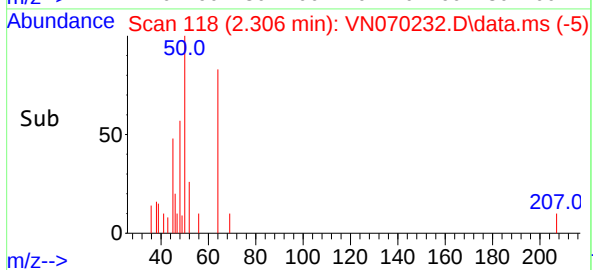
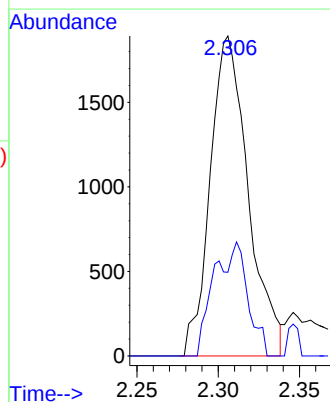
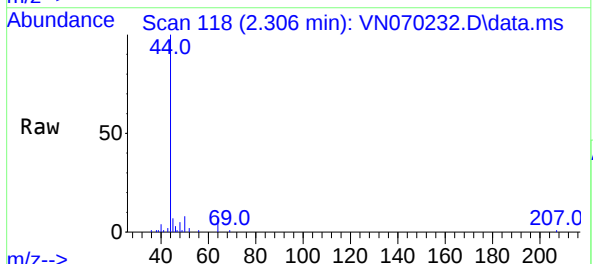


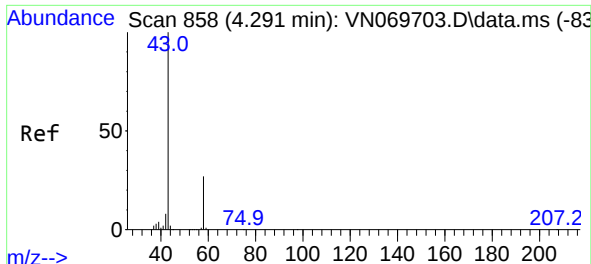
Tgt Ion:168 Resp: 916776
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Tgt Ion: 50 Resp: 3081
Ion Ratio Lower Upper
50 100
52 26.1 25.4 38.0

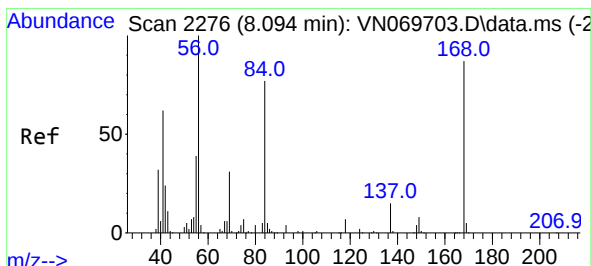
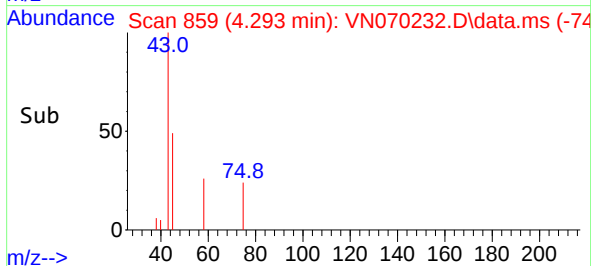
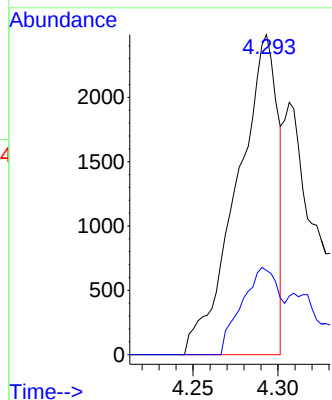
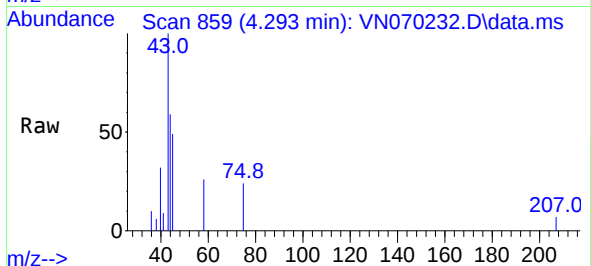




#16
Acetone
Concen: 0.485 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

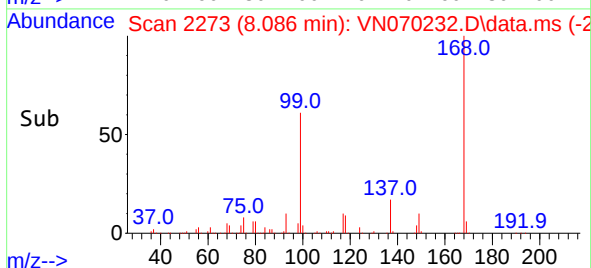
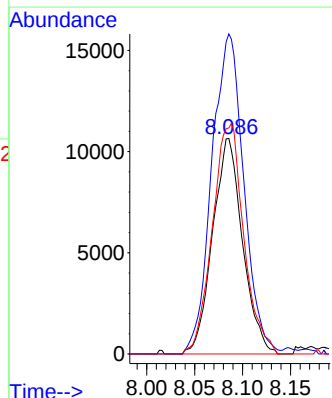
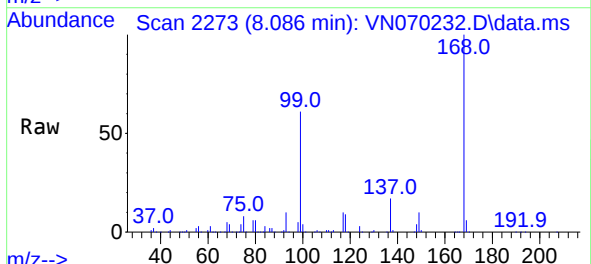
Instrument :
MSVOA_N
ClientSampleId :

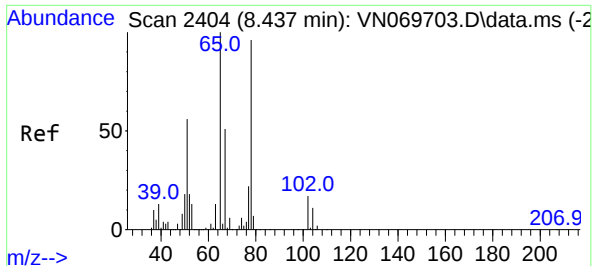
Tgt Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

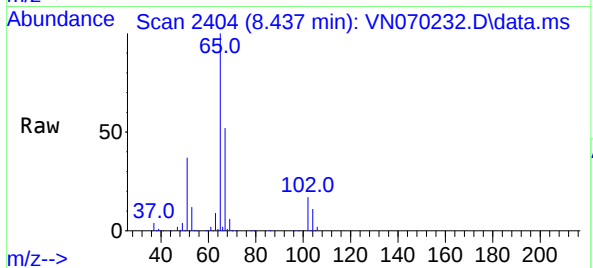
Tgt Ion: 56 Resp: 23095
Ion Ratio Lower Upper
56 100
69 148.5 27.1 40.7#
84 104.9 73.4 110.0



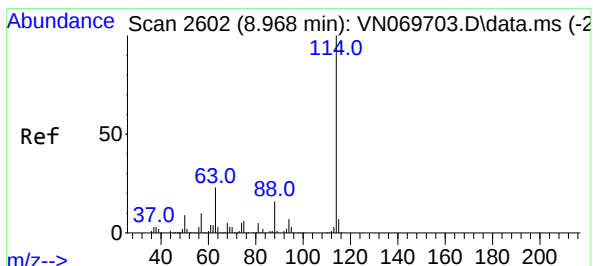
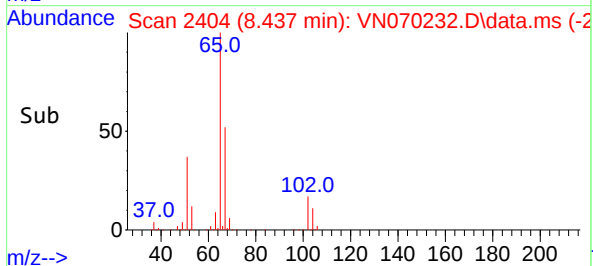
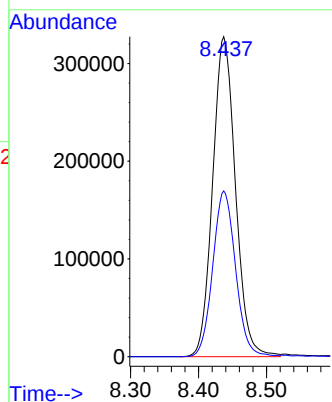


#33
1,2-Dichloroethane-d4
Concen: 53.970 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

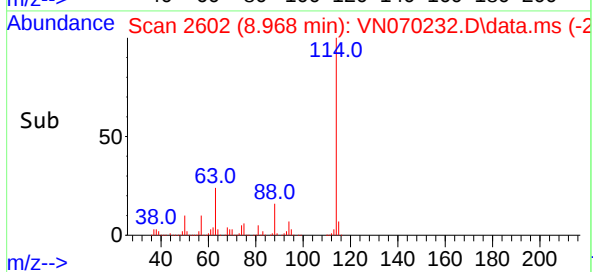
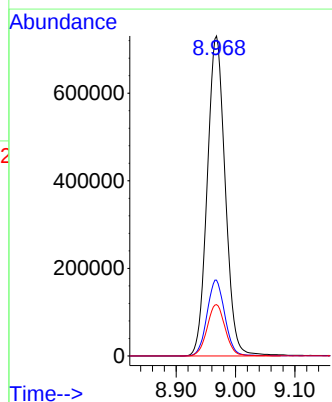
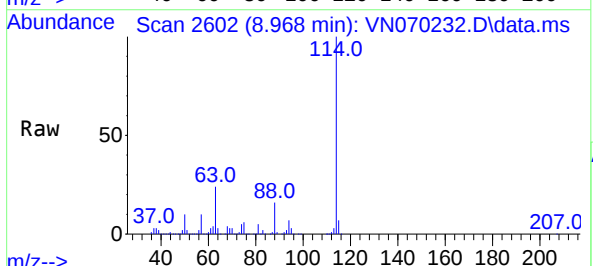


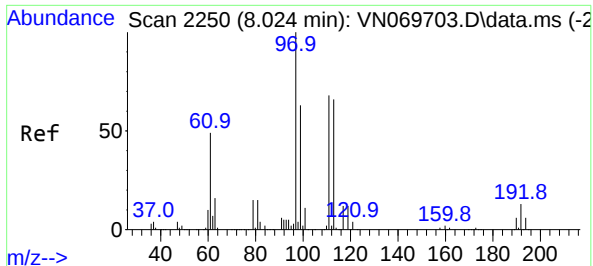
Tgt Ion: 65 Resp: 763951
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

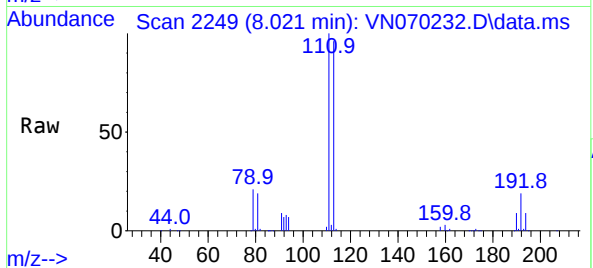
Tgt Ion: 114 Resp: 1533952
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.0 0.0 27.4



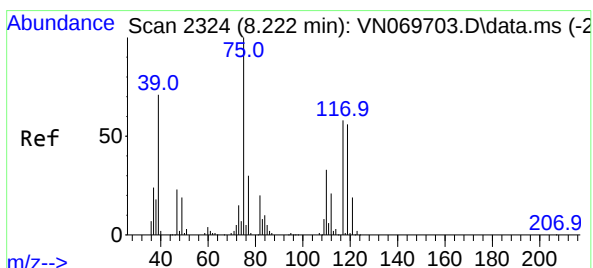
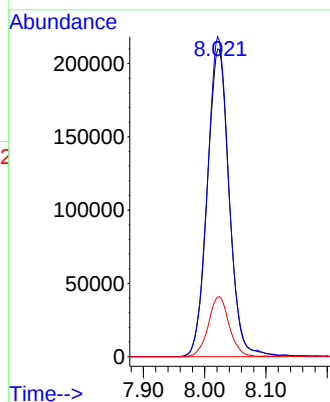
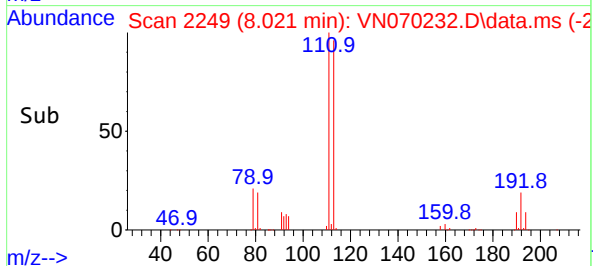


#35
Dibromofluoromethane
Concen: 54.146 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

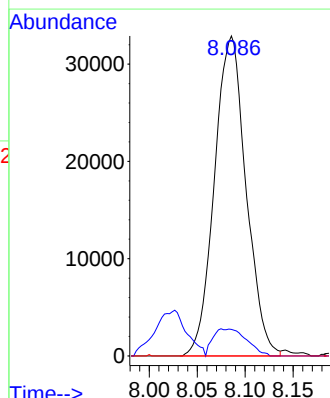
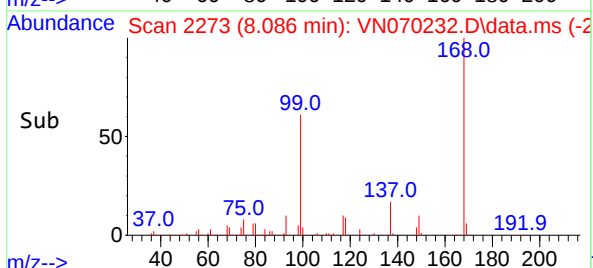
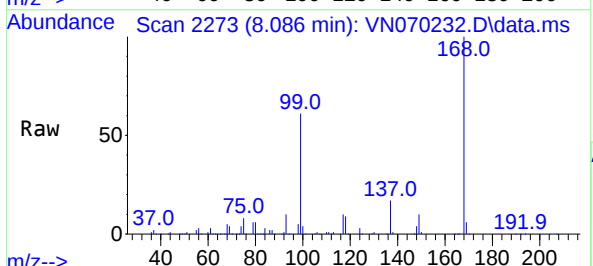


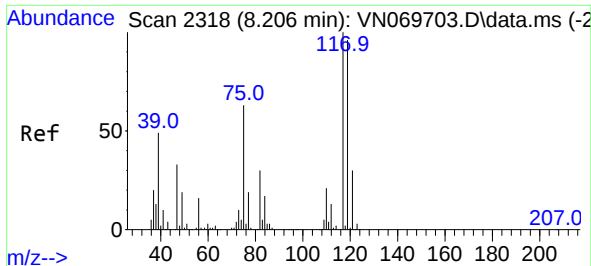
Tgt Ion:113 Resp: 520258
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.174 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

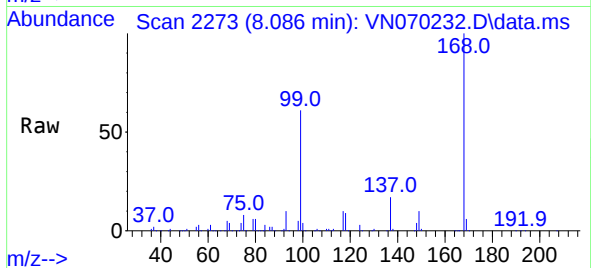
Tgt Ion: 75 Resp: 75554
Ion Ratio Lower Upper
75 100
110 3.8 18.4 55.2#
77 0.0 24.4 36.6#



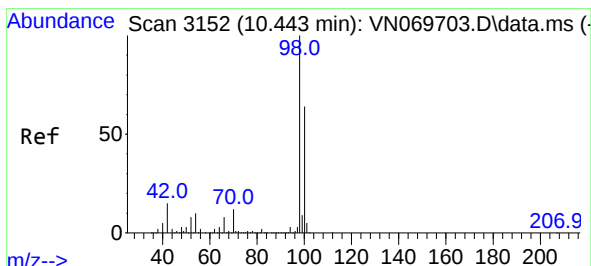
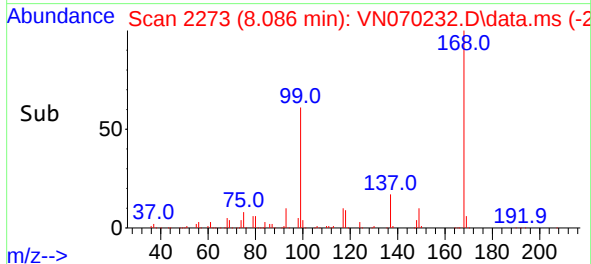
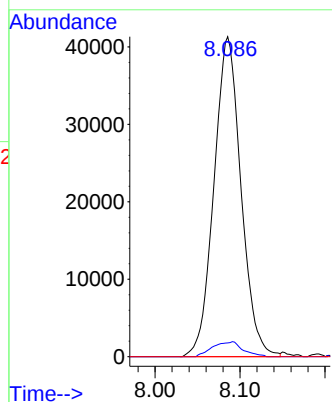


#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

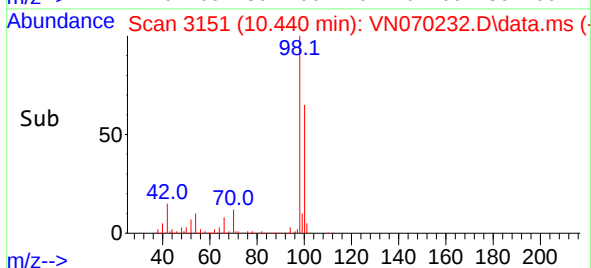
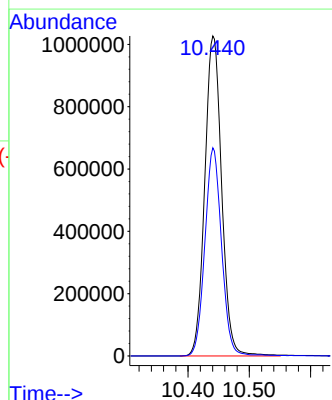
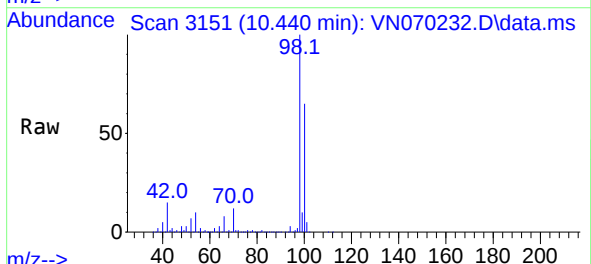


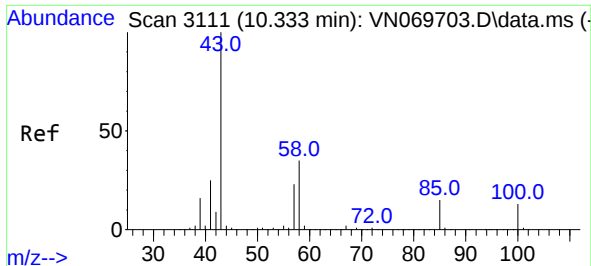
Tgt Ion:117 Resp: 91279
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Tgt Ion: 98 Resp: 1967449
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

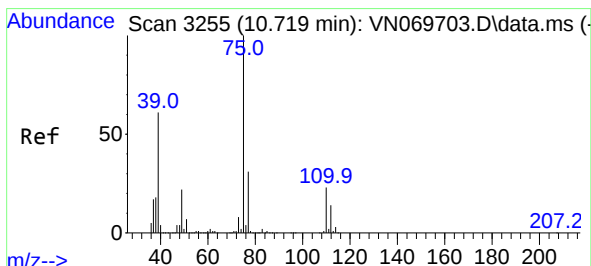
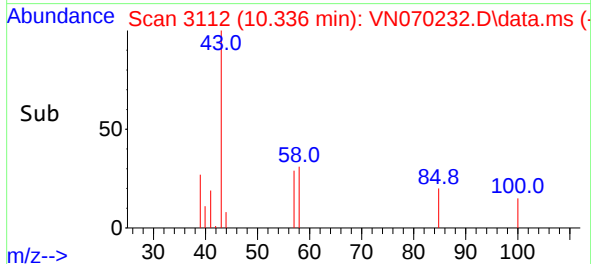
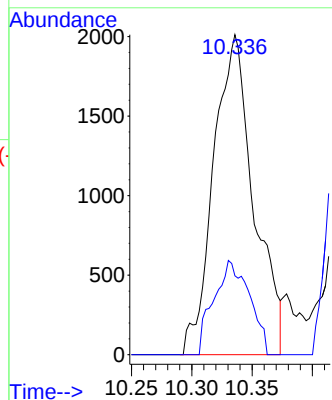
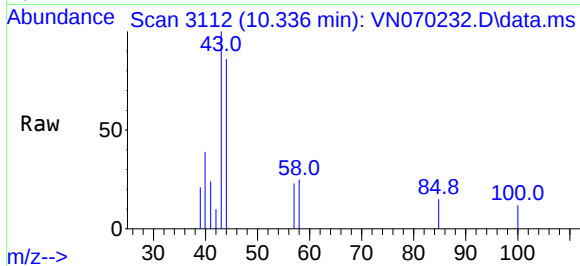




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.336 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

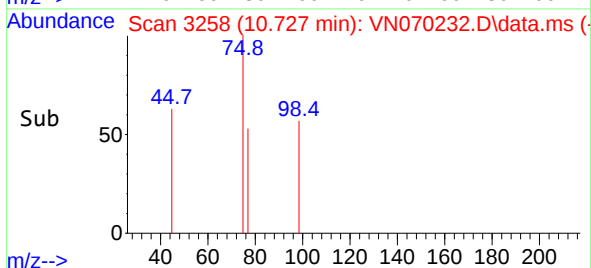
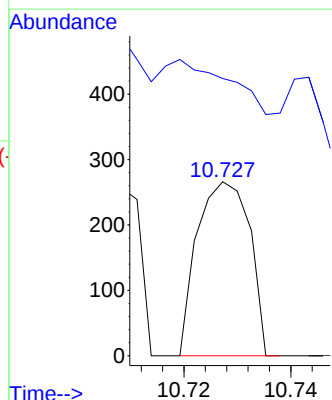
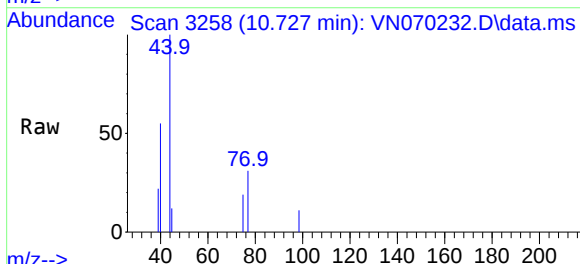
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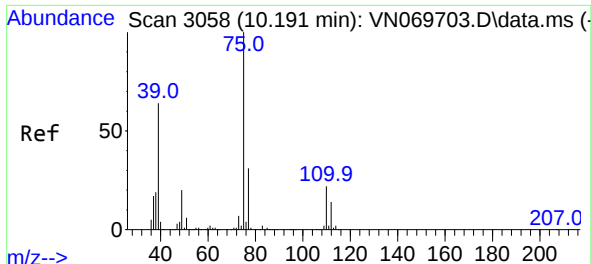
Tgt Ion: 43 Resp: 4658
Ion Ratio Lower Upper
43 100
58 26.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.804 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

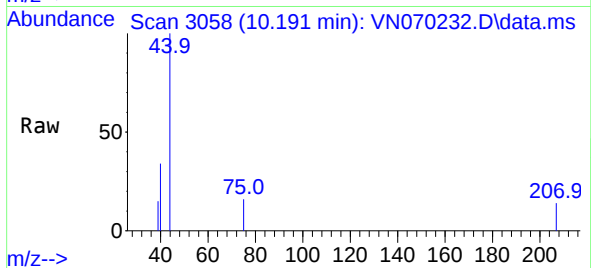
Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 19.9 25.6 38.4#





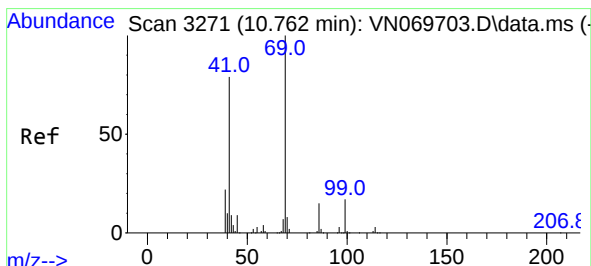
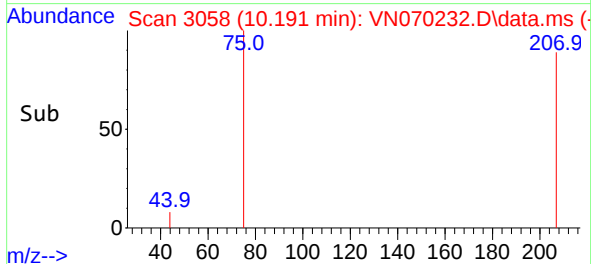
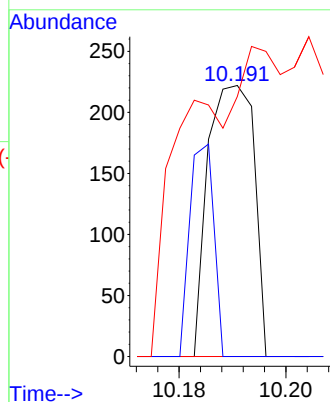
#54
 cis-1,3-Dichloropropene
 Concen: 2.005 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. -0.000 min
 Lab File: VN070232.D
 Acq: 20 Dec 2021 11:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 133

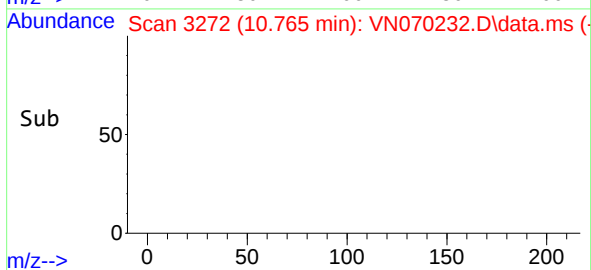
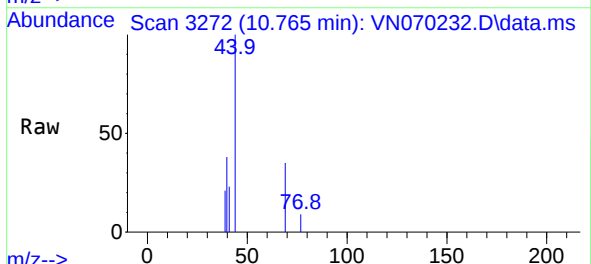
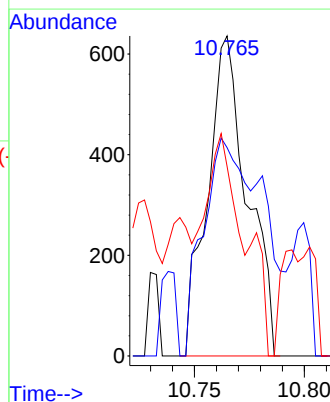
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	11.7	42.5	63.7#

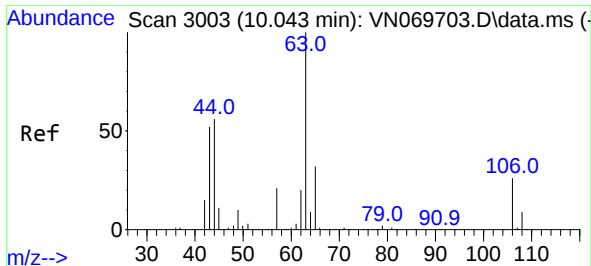


#56
 Ethyl methacrylate
 Concen: 2.316 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN070232.D
 Acq: 20 Dec 2021 11:25

Tgt Ion: 69 Resp: 797

Ion	Ratio	Lower	Upper
69	100		
41	73.4	51.4	77.0
39	23.5	34.6	52.0#

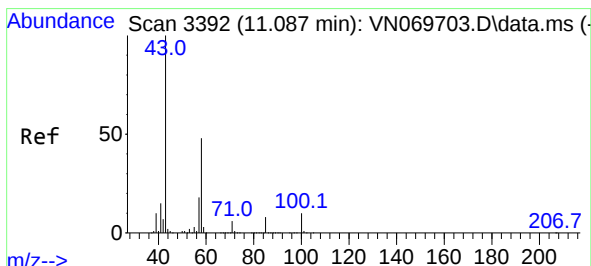
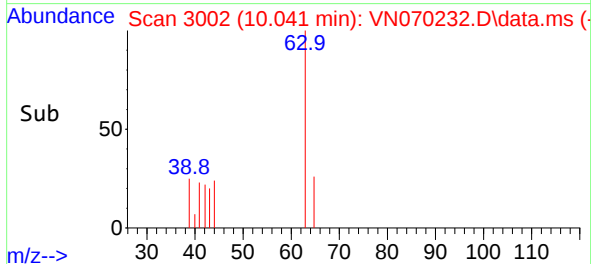
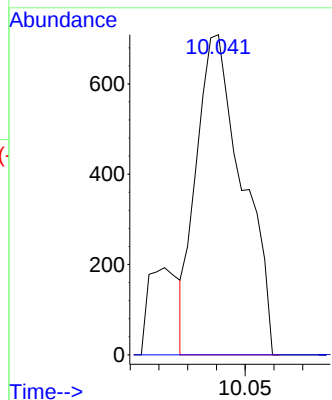
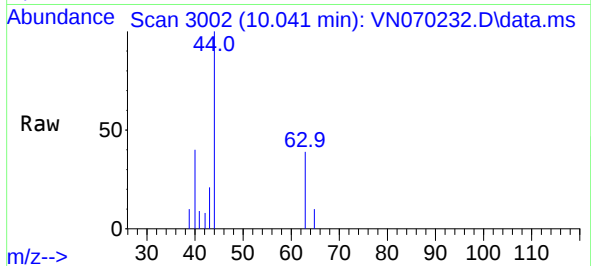




#58
2-Chloroethyl Vinyl ether
Concen: 18.520 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.002 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

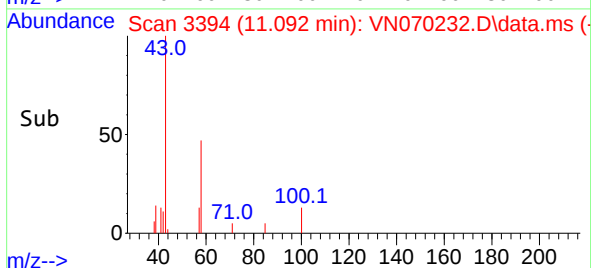
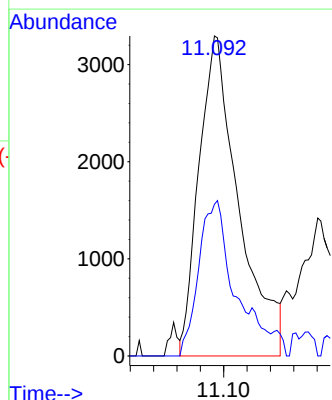
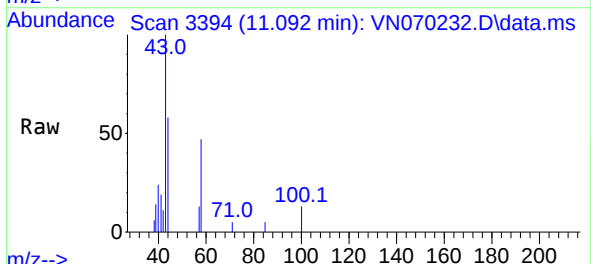
Instrument :
MSVOA_N
ClientSampleId :

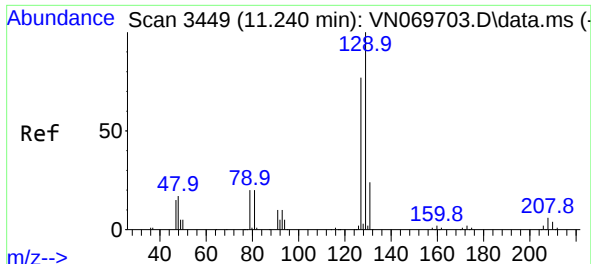
Tgt Ion: 63 Resp: 791
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.493 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Tgt Ion: 43 Resp: 7780
Ion Ratio Lower Upper
43 100
58 39.1 26.9 80.7

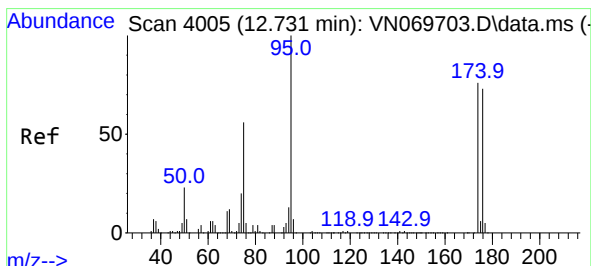
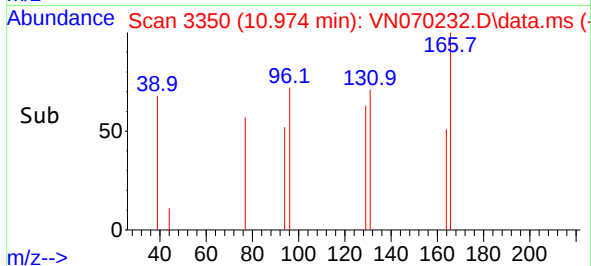
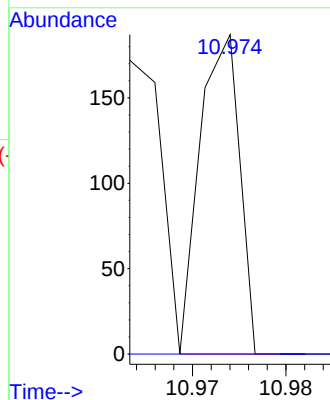
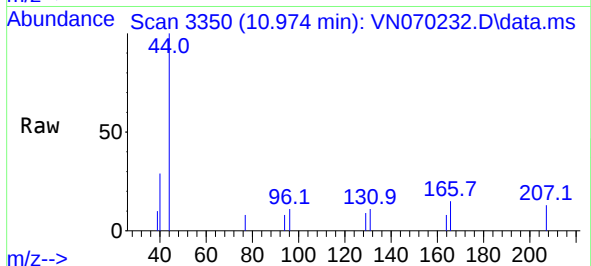




#60
Dibromochloromethane
Concen: 2.381 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.266 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

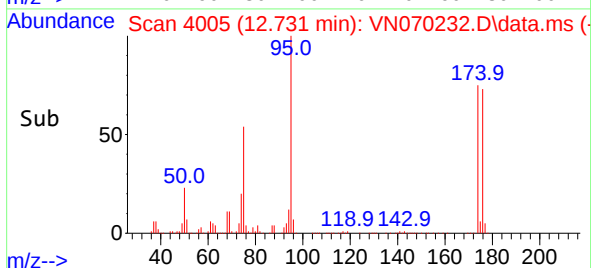
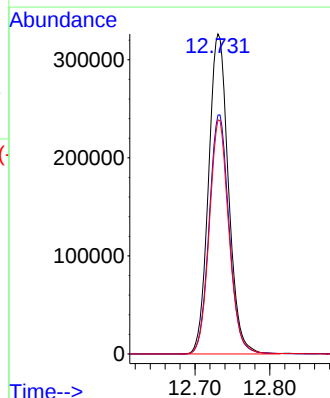
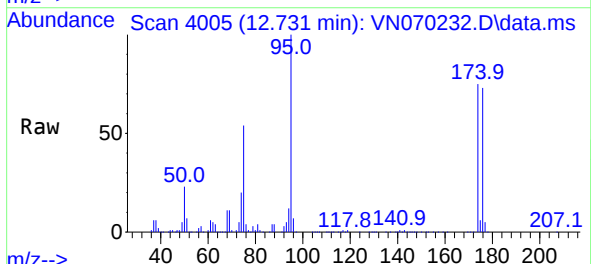
Instrument :
MSVOA_N
ClientSampleId :

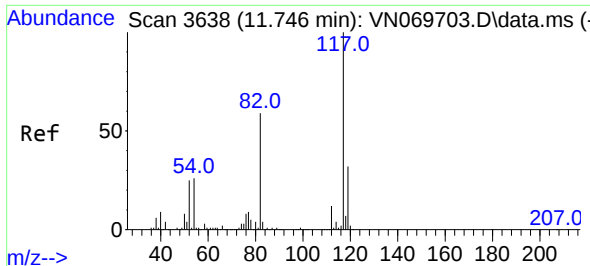
Tgt Ion:129 Resp: 55
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.149 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

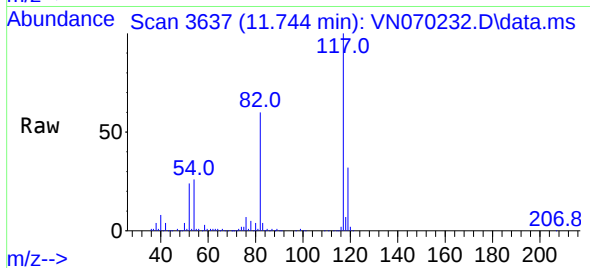
Tgt Ion: 95 Resp: 603088
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.0 0.0 181.4



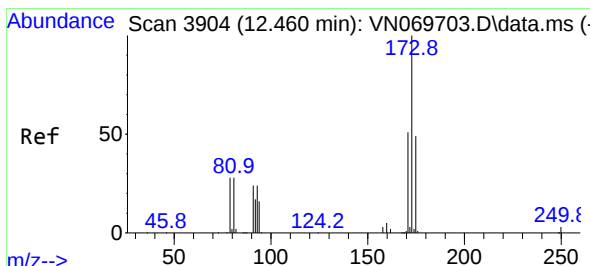
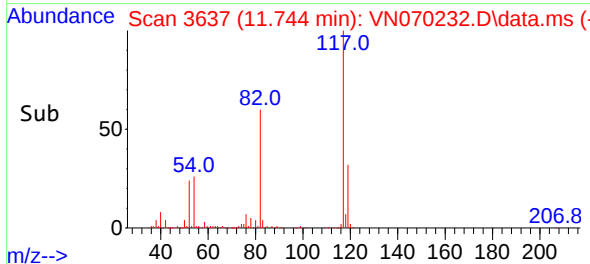
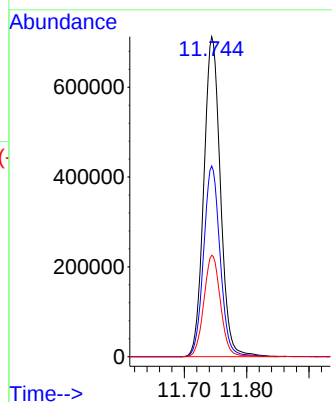


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

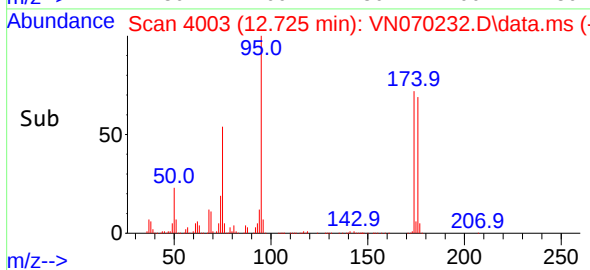
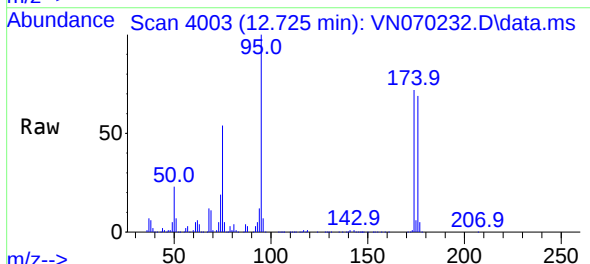
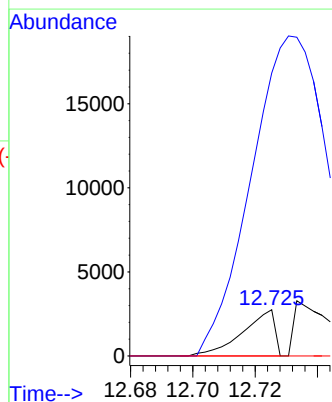


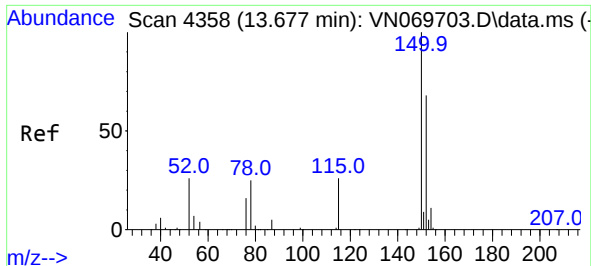
Tgt Ion:117 Resp: 1319095
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.960 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

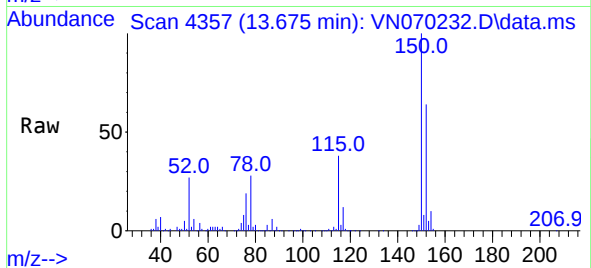
Tgt Ion:173 Resp: 1953
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



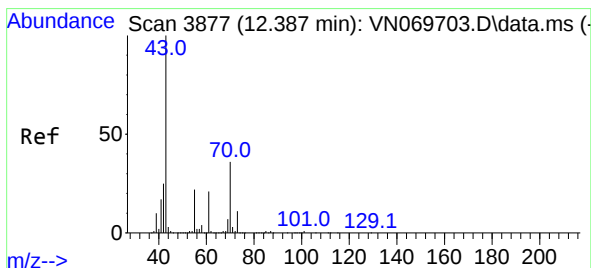
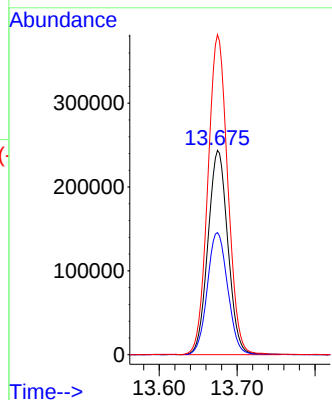
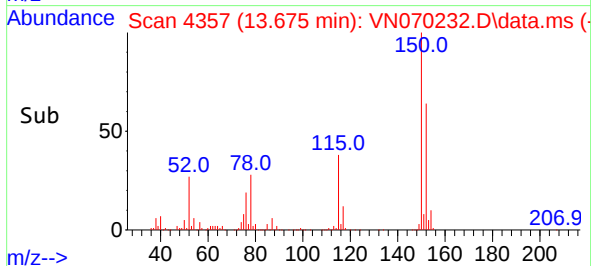


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Instrument :
MSVOA_N
ClientSampleId :

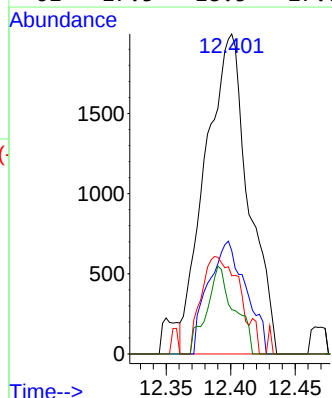
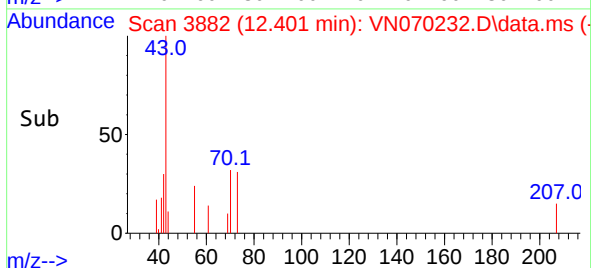
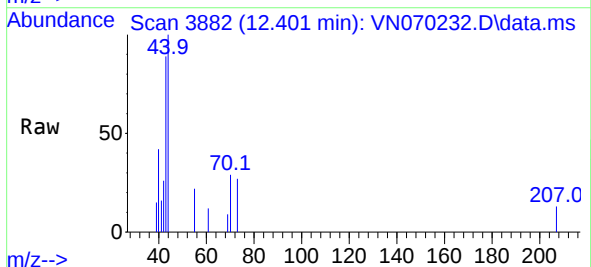


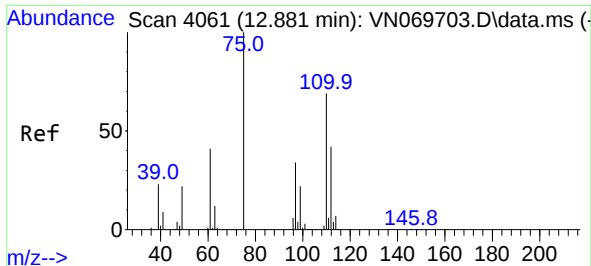
Tgt Ion:152 Resp: 434159
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 155.6 0.0 344.4



#74
N-ethyl acetate
Concen: 0.272 ug/l
RT: 12.401 min Scan# 3882
Delta R.T. 0.013 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Tgt Ion: 43 Resp: 4643
Ion Ratio Lower Upper
43 100
70 30.7 33.4 50.0#
55 27.4 19.3 28.9
61 17.5 18.5 27.7#

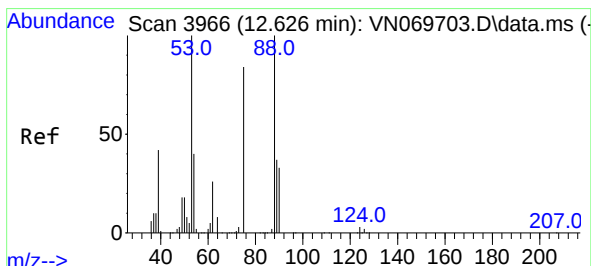
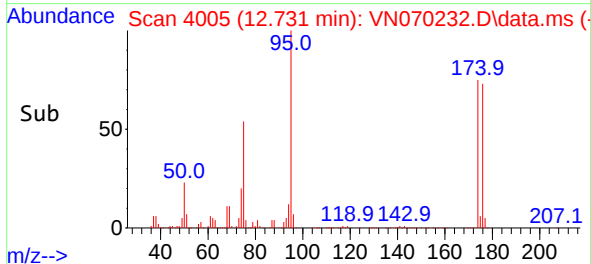
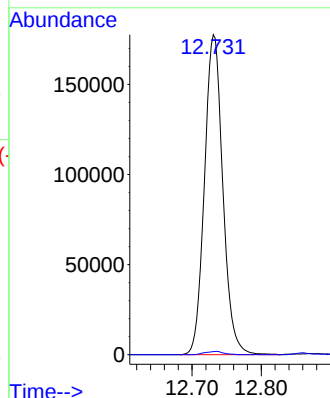
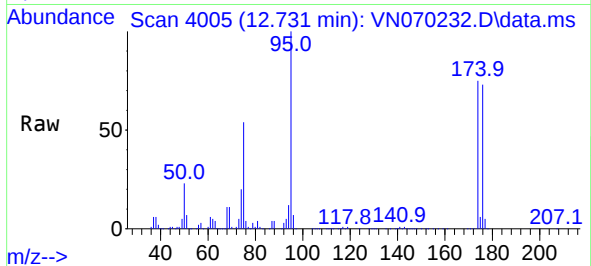




#76
1,2,3-Trichloropropane
Concen: 26.278 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

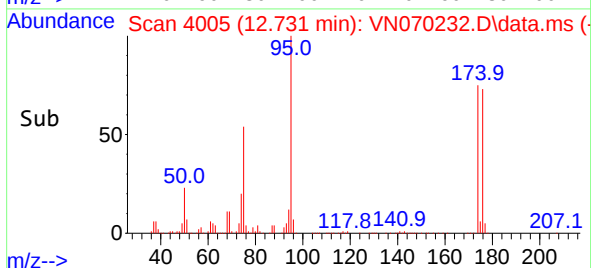
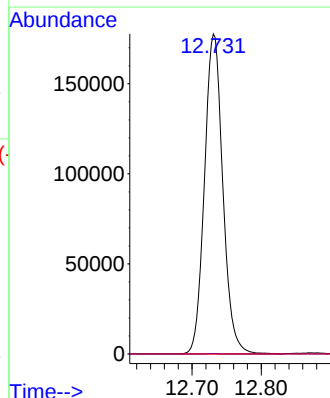
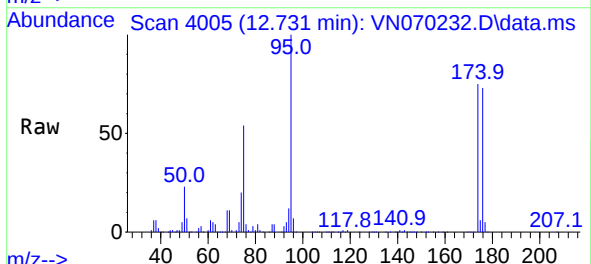
Instrument :
MSVOA_N
ClientSampleId :

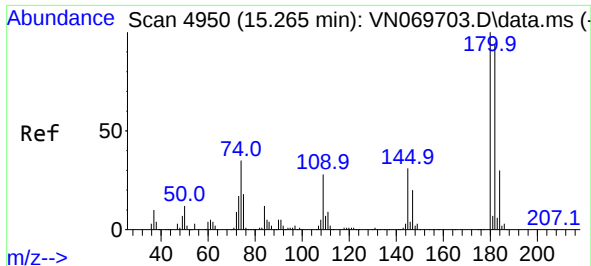
Tgt Ion: 75 Resp: 327183
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.081 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

Tgt Ion: 75 Resp: 327183
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

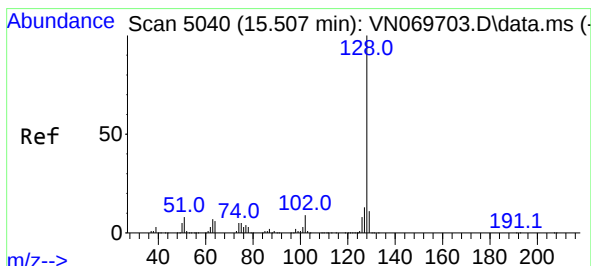
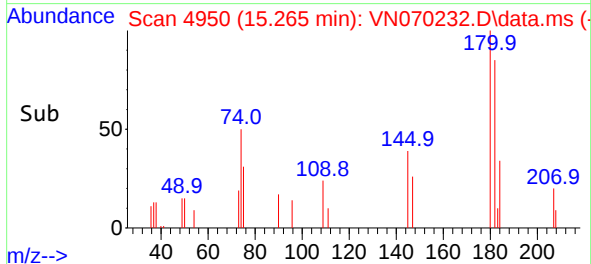
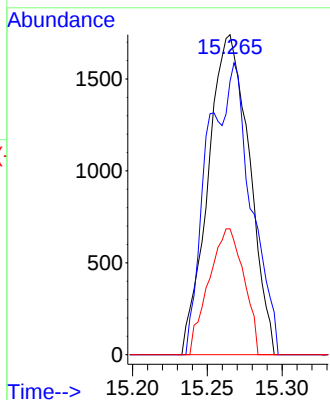
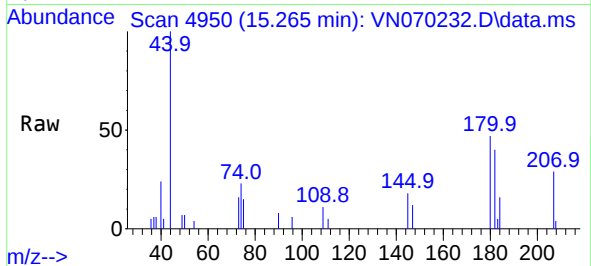




#93
1,2,4-Trichlorobenzene
Concen: 3.320 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

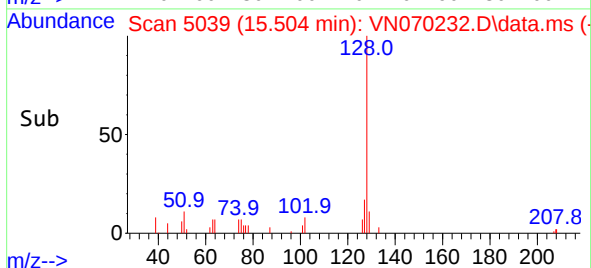
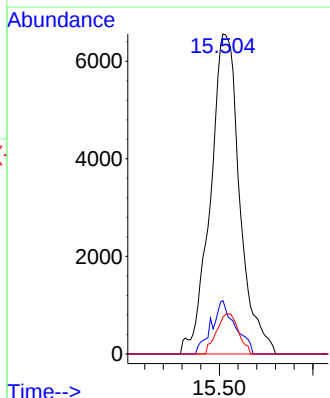
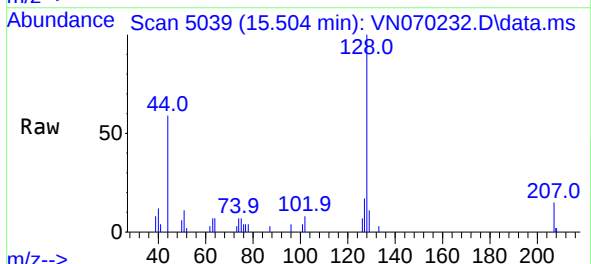
Instrument :
MSVOA_N
ClientSampleId :

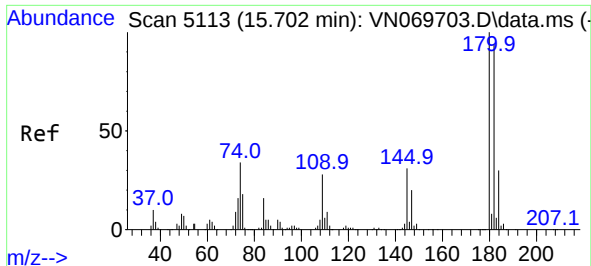
Tgt Ion:180 Resp: 3338
Ion Ratio Lower Upper
180 100
182 39.9 48.3 144.9#
145 33.5 14.5 43.5



#95
Naphthalene
Concen: 4.606 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070232.D
Acq: 20 Dec 2021 11:25

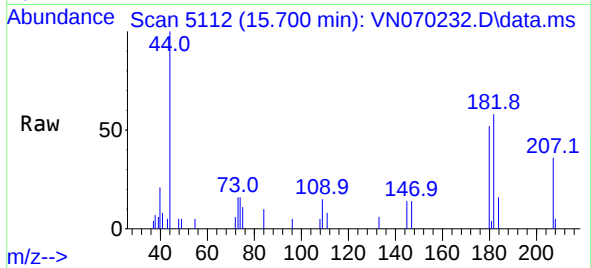
Tgt Ion:128 Resp: 14316
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 9.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.944 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN070232.D
 Acq: 20 Dec 2021 11:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	3709
Ion	Ratio	Lower	Upper
180	100		
182	107.4	47.4	142.2
145	19.3	15.0	45.1

