

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070239.D
 Acq On : 20 Dec 2021 14:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 04:01:00 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)

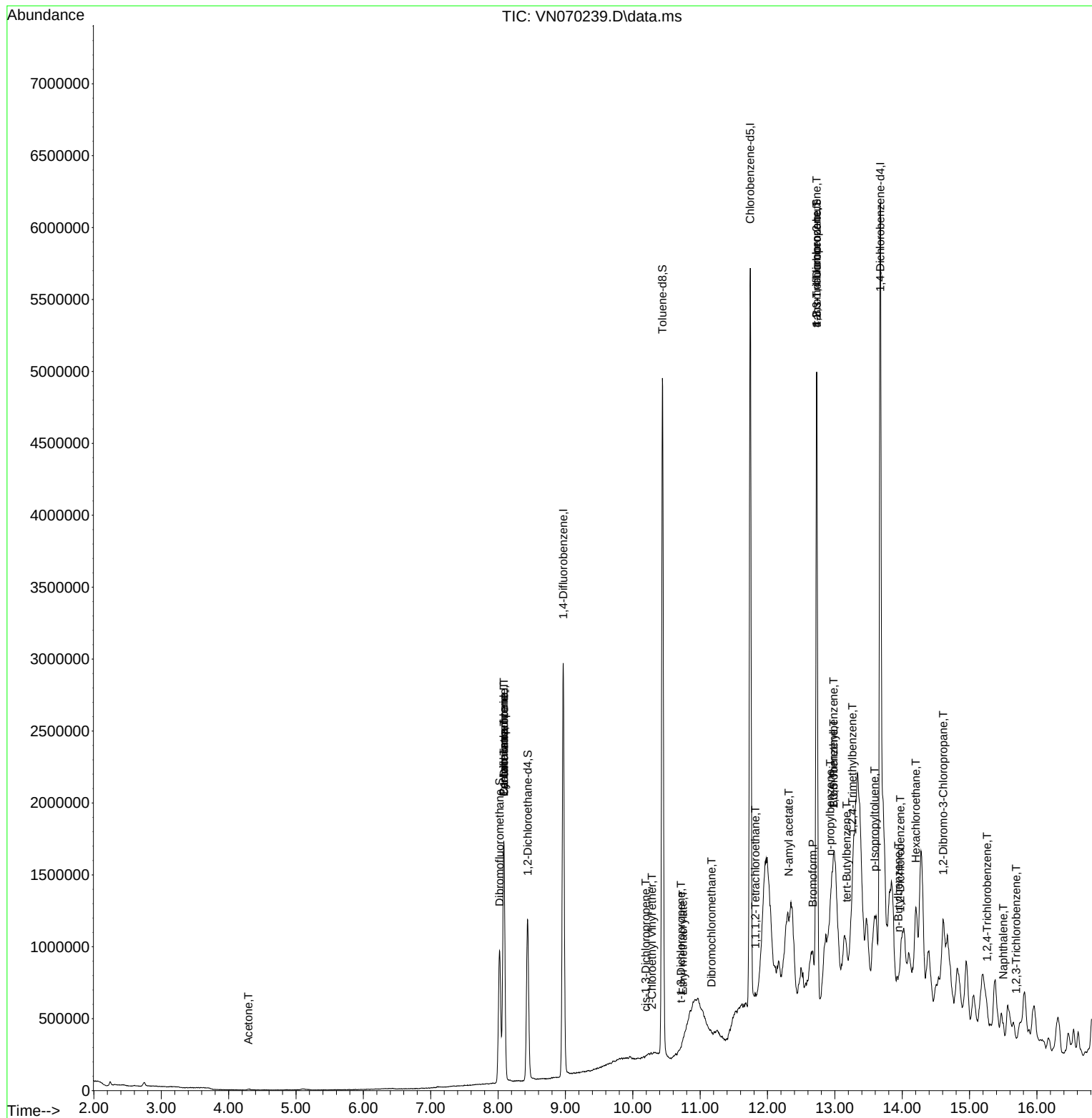
Internal Standards						
1) Pentafluorobenzene	8.086	168	1260283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2406811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2874861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1363042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	971704	49.937	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.880%
35) Dibromofluoromethane	8.021	113	684793	45.423	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.840%
50) Toluene-d8	10.440	98	3218424	53.167	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.340%
62) 4-Bromofluorobenzene	12.731	95	1525590	69.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	139.140%#
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	7186	0.614	ug/l #	87
31) Cyclohexane	8.086	56	31275	1.155	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	107854	4.707	ug/l #	50
38) Carbon Tetrachloride	8.086	117	129506	5.764	ug/l #	16
53) t-1,3-Dichloropropene	10.717	75	264	2.803	ug/l #	43
54) cis-1,3-Dichloropropene	10.194	75	181	2.005	ug/l #	47
56) Ethyl methacrylate	10.744	69	610	2.297	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.282	63	506	18.442	ug/l	98
60) Dibromochloromethane	11.167	129	898	2.422	ug/l	60
66) 1,1,1,2-Tetrachloroethane	11.819	131	8064	0.393	ug/l #	8
71) Bromoform	12.675	173	175595	12.186	ug/l #	29
74) N-amyl acetate	12.315	43	46179	0.861	ug/l #	46
76) 1,2,3-Trichloropropane	12.731	75	831003	21.259	ug/l #	1
77) Bromobenzene	12.983	156	223289	7.839	ug/l #	1
78) n-propylbenzene	12.932	91	35304	0.262	ug/l	96
80) 1,3,5-Trimethylbenzene	12.980	105	226720	2.323	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.731	75	831003	67.989	ug/l #	5
83) tert-Butylbenzene	13.173	119	22443	0.260	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.259	105	78439	0.844	ug/l #	31
86) p-Isopropyltoluene	13.589	119	165582	1.807	ug/l #	71
89) n-Butylbenzene	13.943	91	16929	0.228	ug/l #	71
90) Hexachloroethane	14.203	117	25616	1.592	ug/l #	7
91) 1,2-Dichlorobenzene	13.973	146	15205	0.333	ug/l #	63
92) 1,2-Dibromo-3-Chloropr...	14.608	75	11479	1.515	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.260	180	1246	2.930	ug/l #	79
95) Naphthalene	15.501	128	40670	4.547	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	653	2.464	ug/l #	1

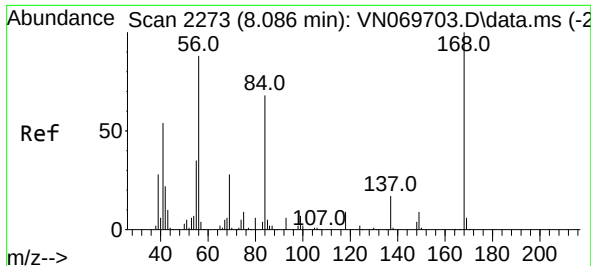
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

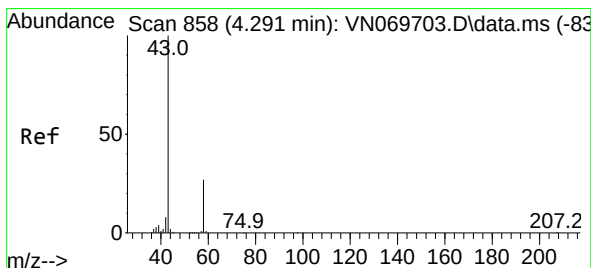
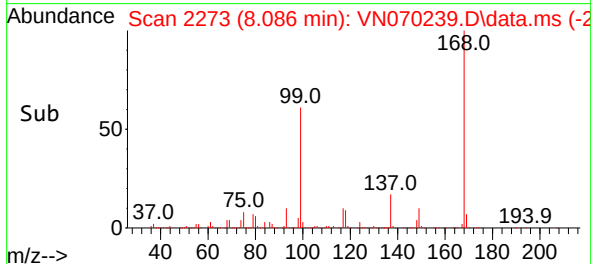
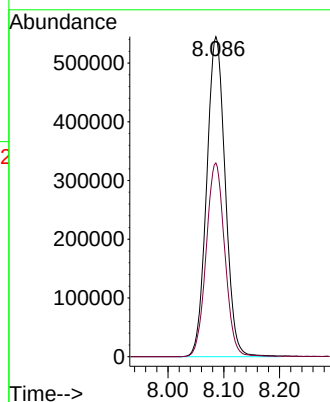
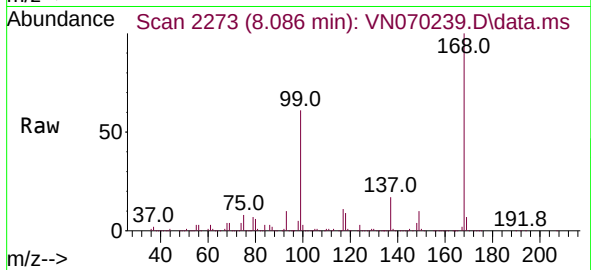




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

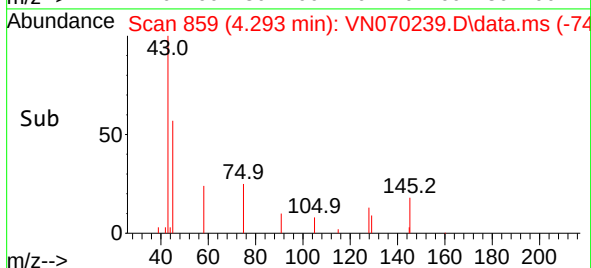
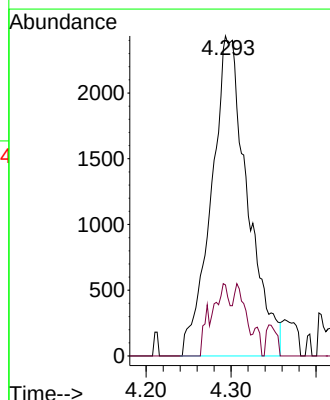
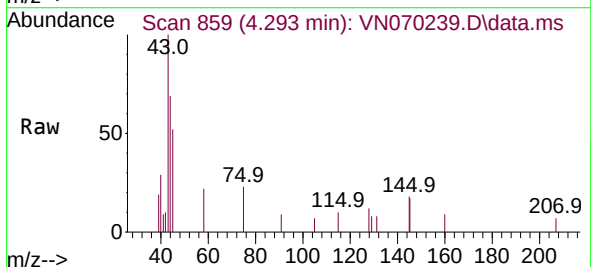
Instrument :
MSVOA_N
ClientSampleId :

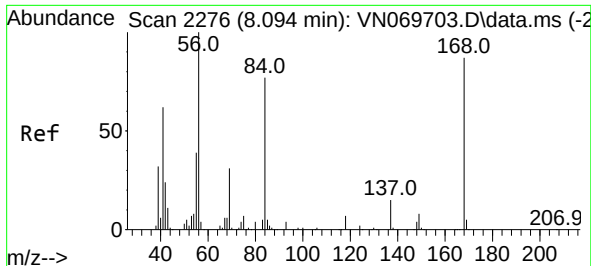
Tgt Ion:168 Resp: 1260283
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#16
Acetone
Concen: 0.614 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

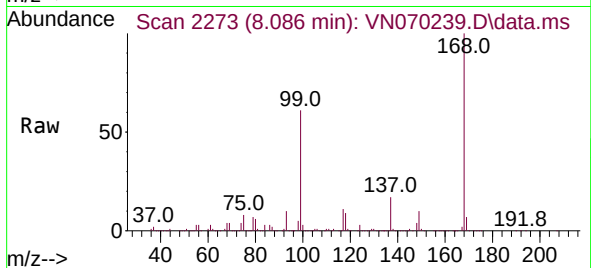
Tgt Ion: 43 Resp: 7186
Ion Ratio Lower Upper
43 100
58 22.2 23.1 34.7#



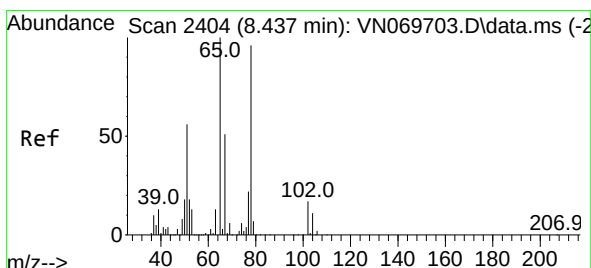
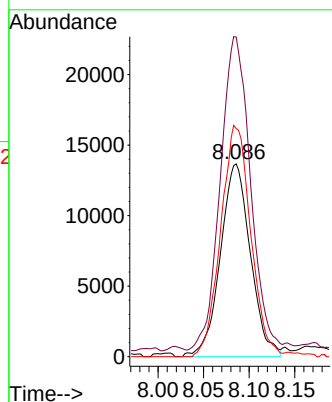
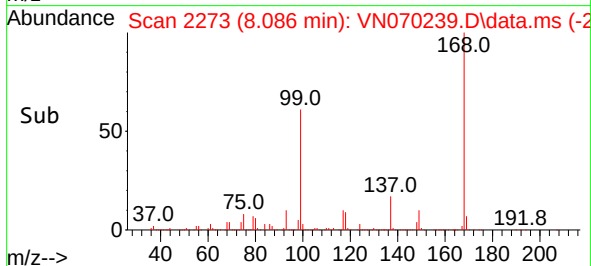


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

Instrument :
MSVOA_N
ClientSampleId :

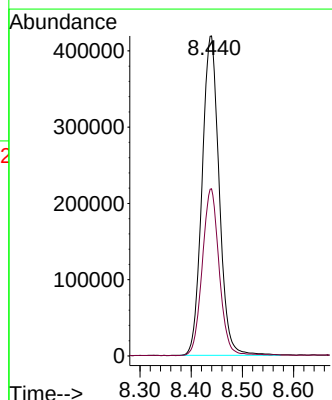
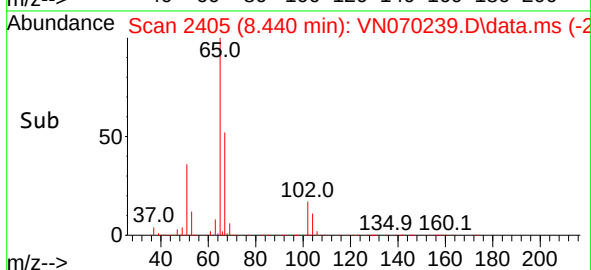
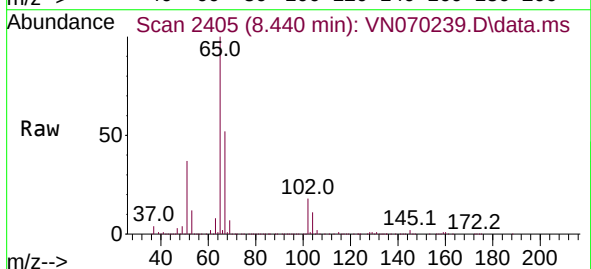


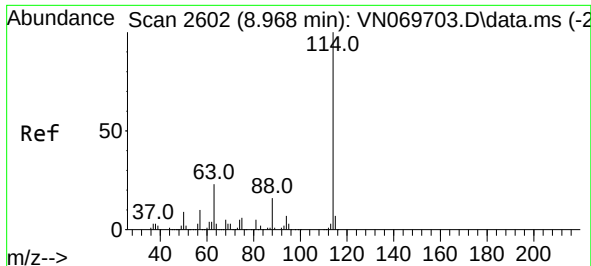
Tgt Ion: 56 Resp: 31275
Ion Ratio Lower Upper
56 100
69 161.2 27.1 40.7#
84 118.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.937 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

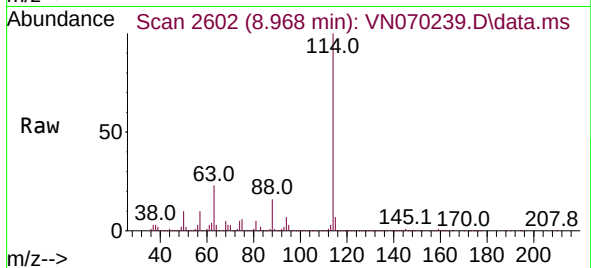
Tgt Ion: 65 Resp: 971704
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



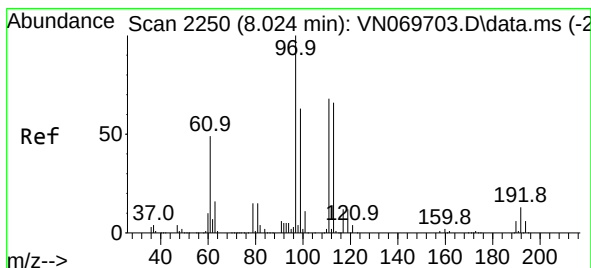
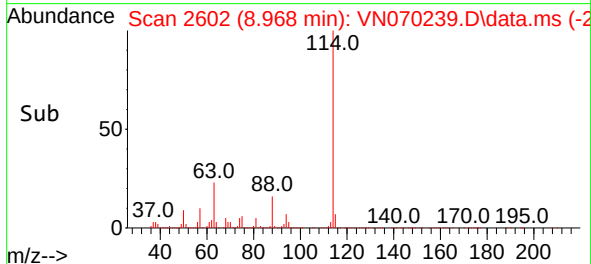
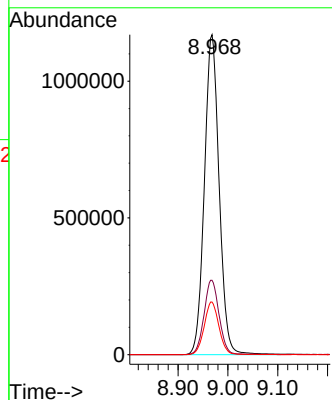


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

Instrument :
MSVOA_N
ClientSampleId :

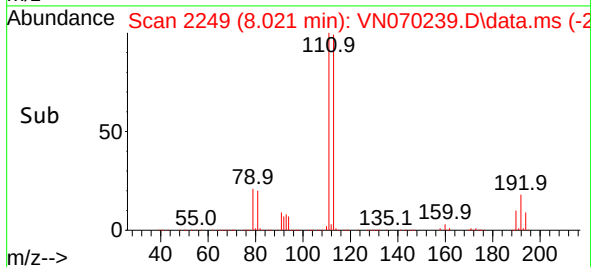
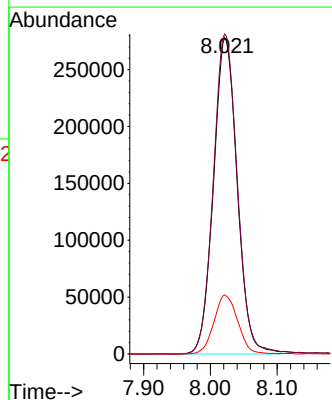
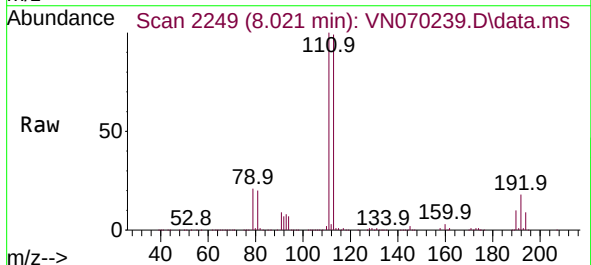


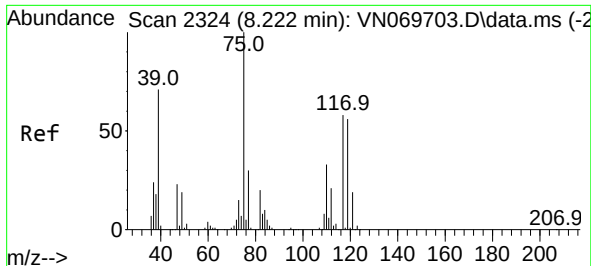
Tgt Ion:114 Resp: 2406811
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.423 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

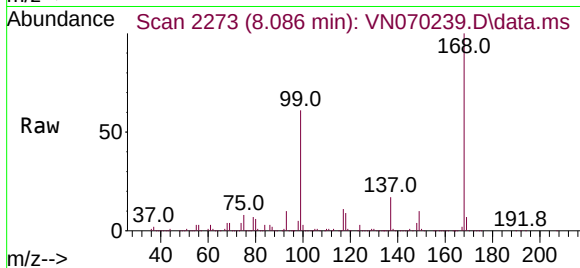
Tgt Ion:113 Resp: 684793
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.7 16.9 25.3



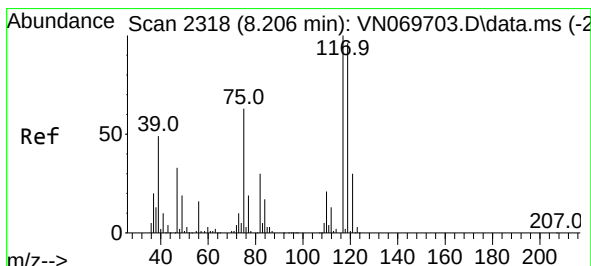
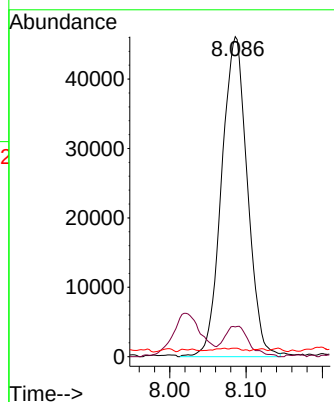
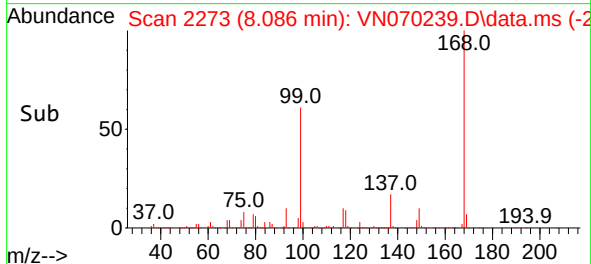


#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

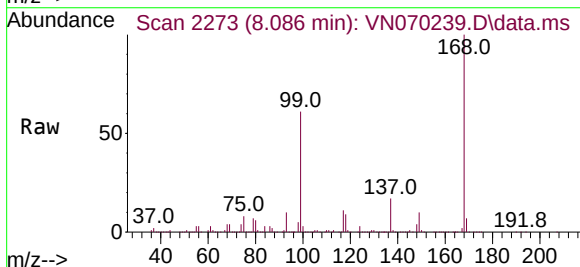
Instrument :
MSVOA_N
ClientSampleId :



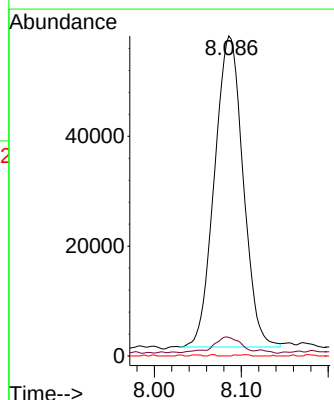
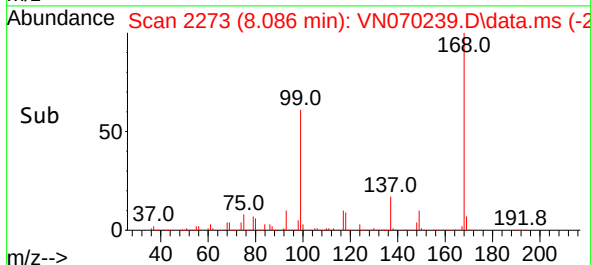
Tgt Ion: 75 Resp: 107854
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.3 24.4 36.6#

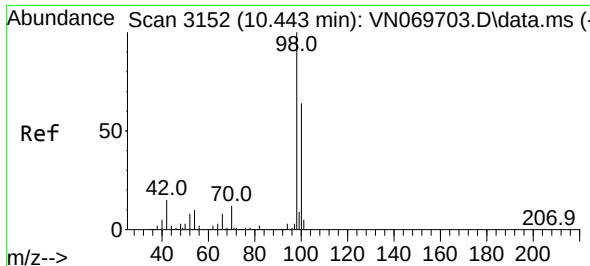


#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37



Tgt Ion: 117 Resp: 129506
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

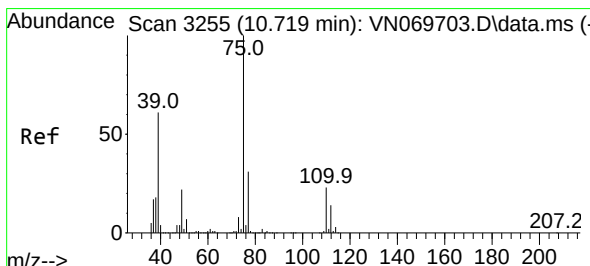
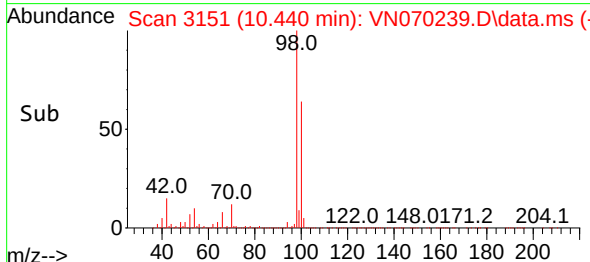
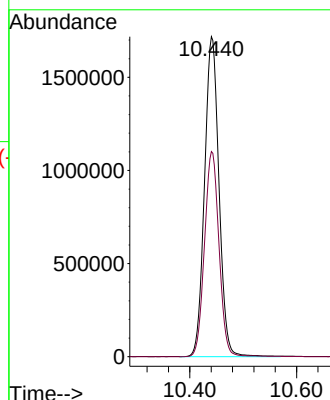
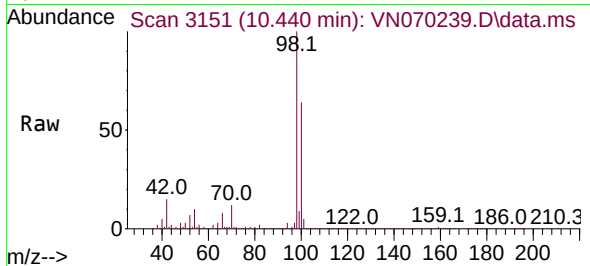




#50
Toluene-d8
Concen: 53.167 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

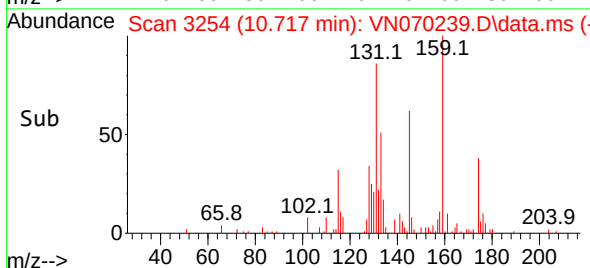
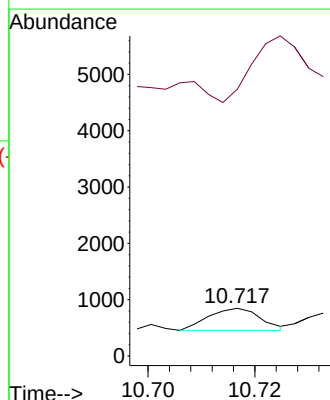
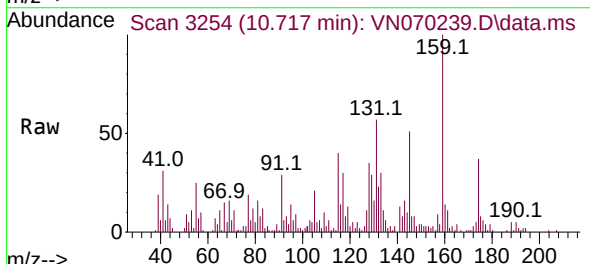
Instrument :
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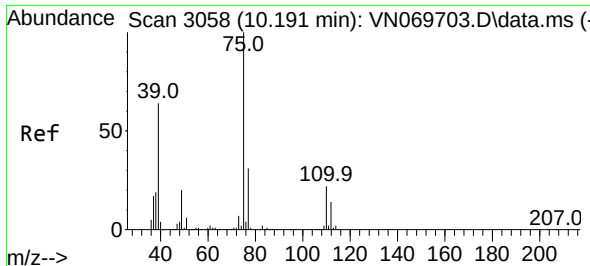
Tgt Ion: 98 Resp: 3218424
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.803 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

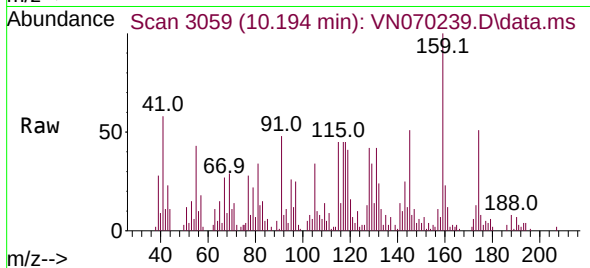
Tgt Ion: 75 Resp: 264
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



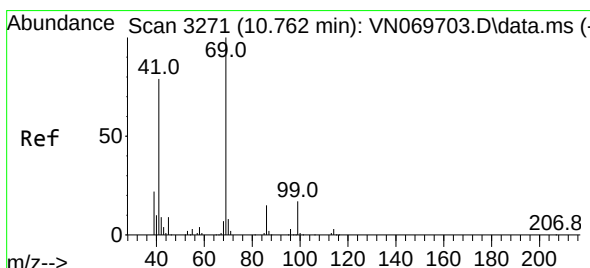
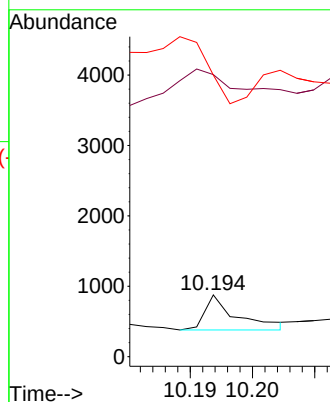
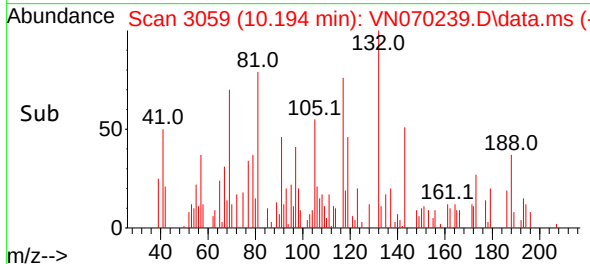


#54
cis-1,3-Dichloropropene
Concen: 2.005 ug/l
RT: 10.194 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

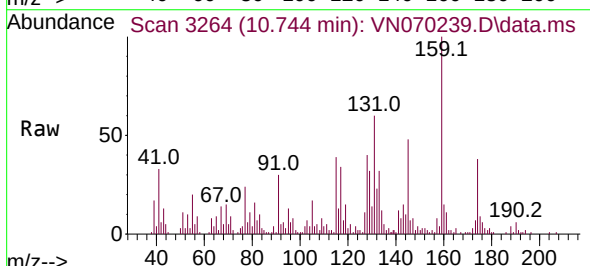
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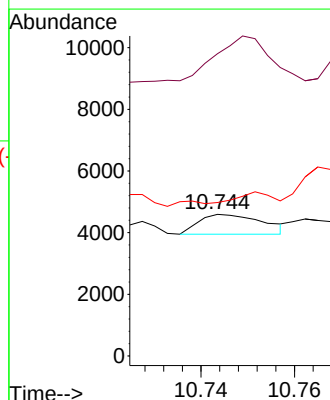
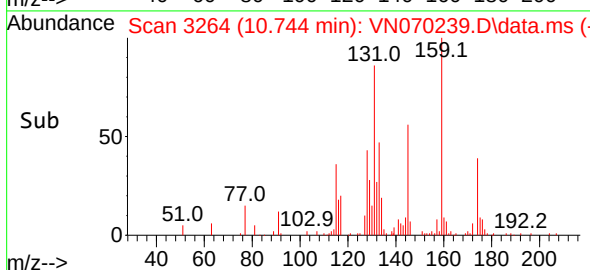
Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 42.6 26.4 39.6#
39 0.0 42.5 63.7#

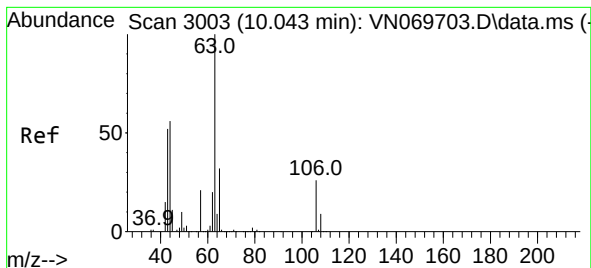


#56
Ethyl methacrylate
Concen: 2.297 ug/l
RT: 10.744 min Scan# 3264
Delta R.T. -0.018 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37



Tgt Ion: 69 Resp: 610
Ion Ratio Lower Upper
69 100
41 865.9 51.4 77.0#
39 0.0 34.6 52.0#

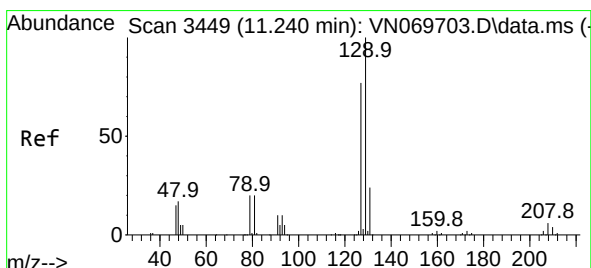
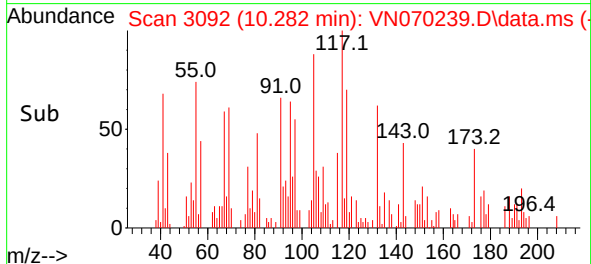
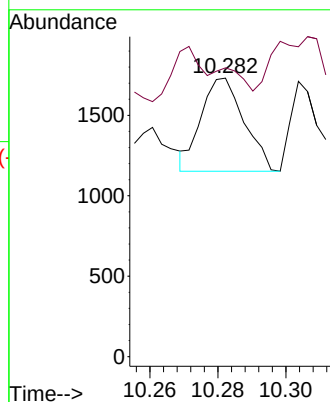
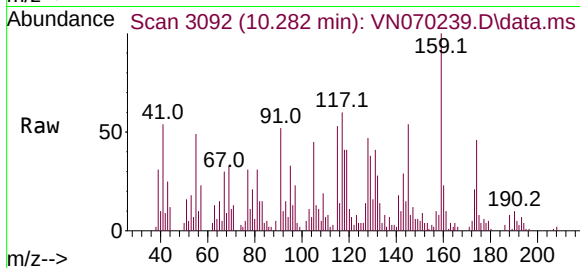




#58
2-Chloroethyl Vinyl ether
Concen: 18.442 ug/l
RT: 10.282 min Scan# 3003
Delta R.T. 0.239 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

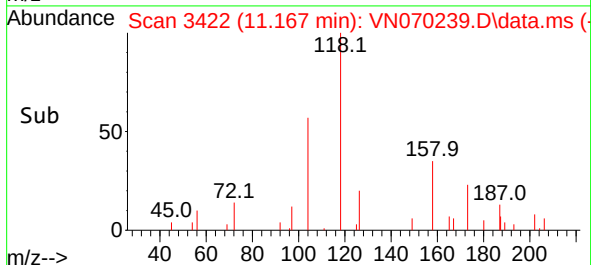
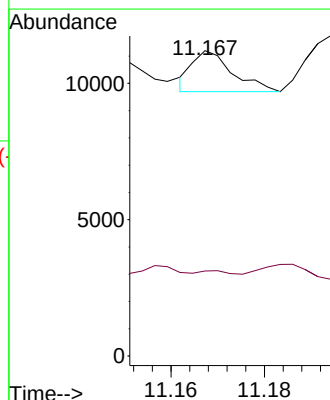
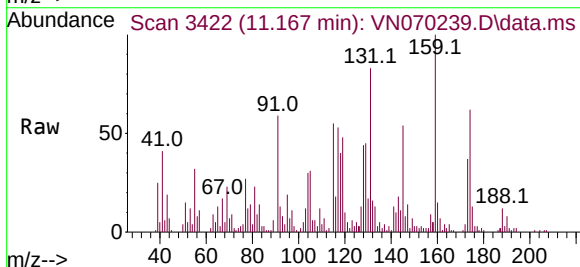
Instrument :
MSVOA_N
ClientSampleId :

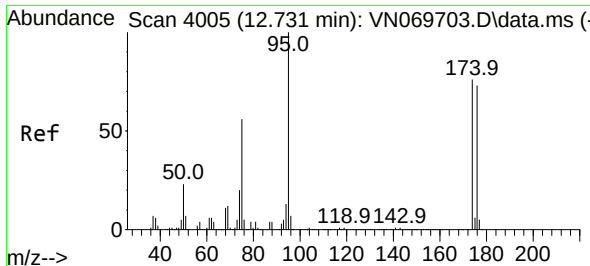
Tgt Ion: 63 Resp: 506
Ion Ratio Lower Upper
63 100
106 30.8 23.9 35.9



#60
Dibromochloromethane
Concen: 2.422 ug/l
RT: 11.167 min Scan# 3422
Delta R.T. -0.073 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

Tgt Ion: 129 Resp: 898
Ion Ratio Lower Upper
129 100
127 42.4 38.6 116.0

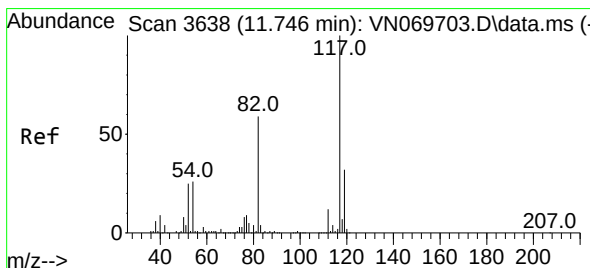
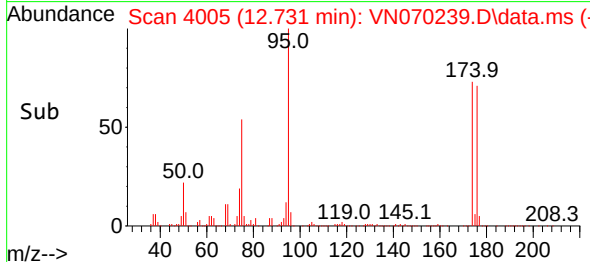
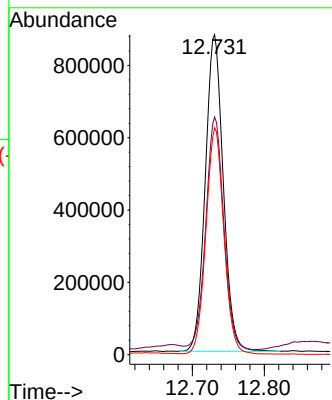
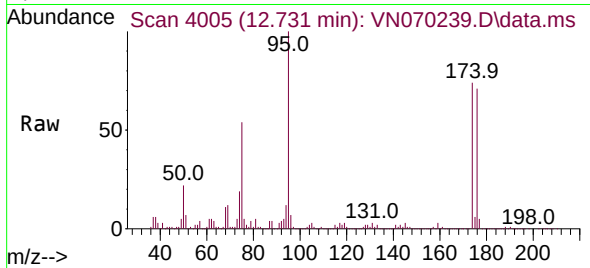




#62
4-Bromofluorobenzene
Concen: 69.566 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

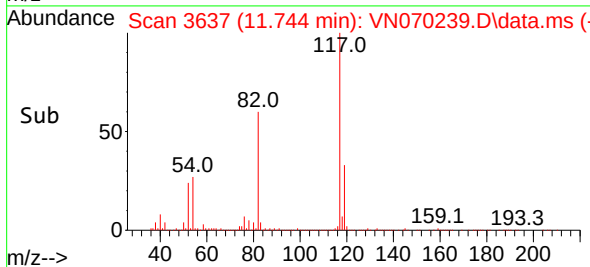
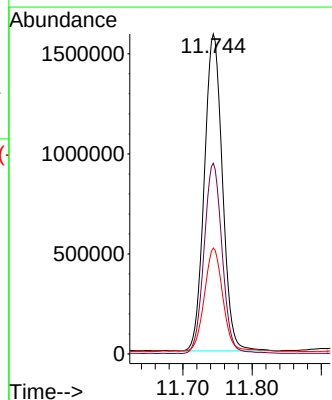
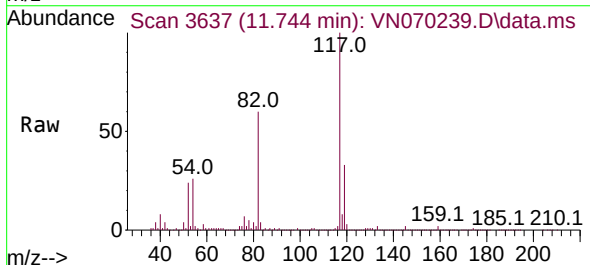
Instrument :
MSVOA_N
ClientSampleId :

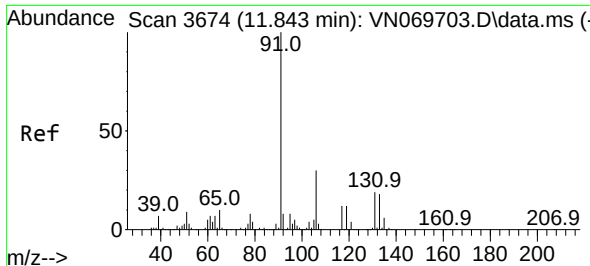
Tgt Ion: 95 Resp: 1525590
Ion Ratio Lower Upper
95 100
174 73.7 0.0 187.2
176 70.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

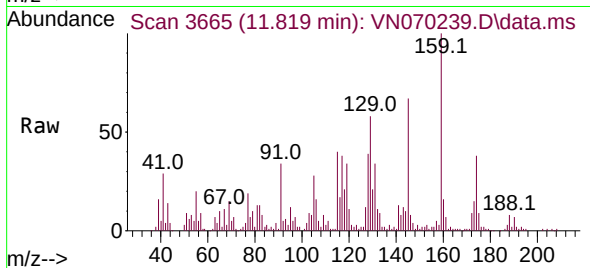
Tgt Ion: 117 Resp: 2874861
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.6 25.4 38.2



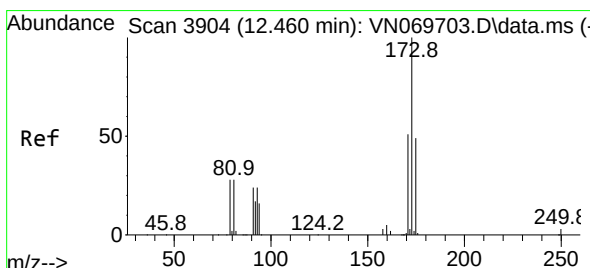
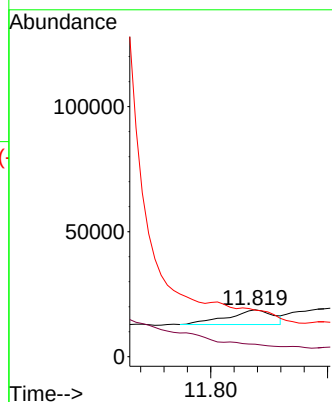
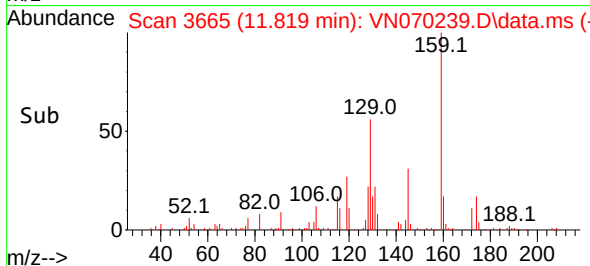


#66
1,1,1,2-Tetrachloroethane
Concen: 0.393 ug/l
RT: 11.819 min Scan# 30665
Delta R.T. -0.024 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

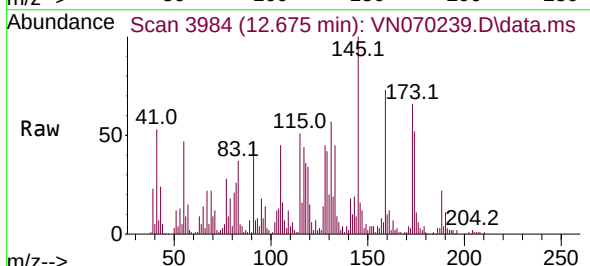
Instrument :
MSVOA_N
ClientSampleId :



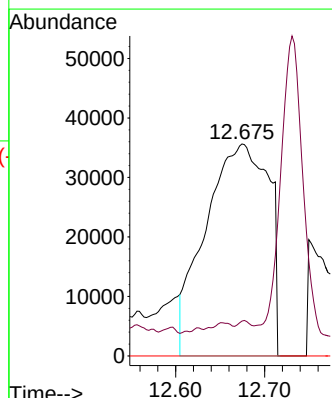
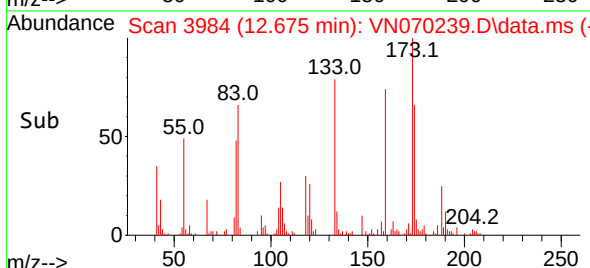
Tgt Ion:131 Resp: 8064
Ion Ratio Lower Upper
131 100
133 0.0 47.9 143.7#
119 0.0 32.1 96.5#

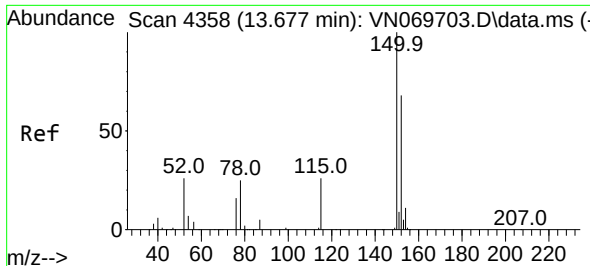


#71
Bromoform
Concen: 12.186 ug/l
RT: 12.675 min Scan# 3984
Delta R.T. 0.215 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37



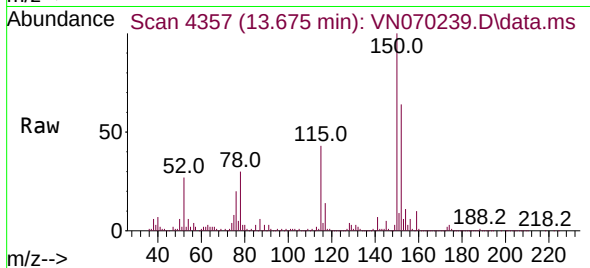
Tgt Ion:173 Resp: 175595
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



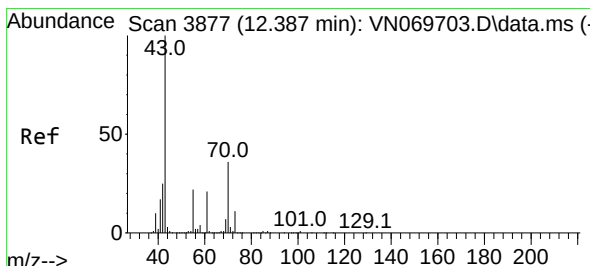
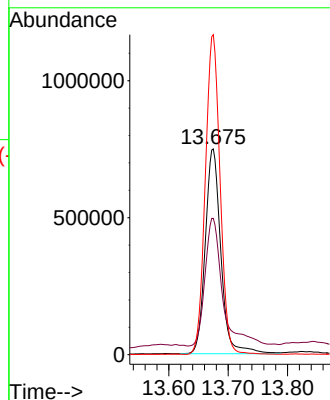
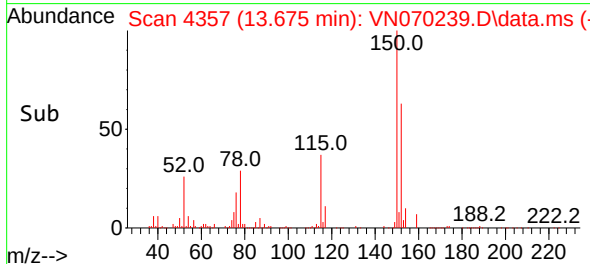


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

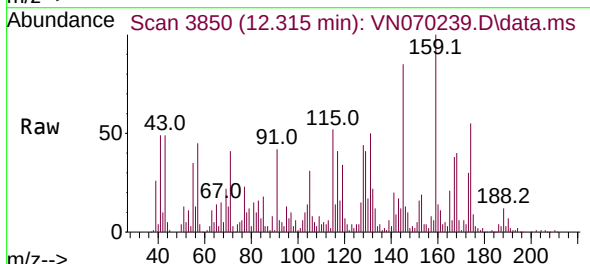
Instrument :
MSVOA_N
ClientSampleId :



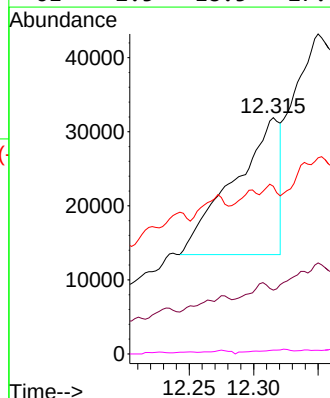
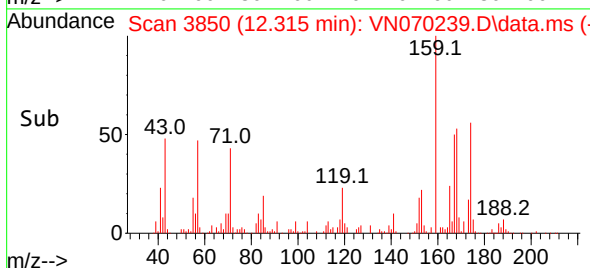
Tgt Ion:152 Resp: 1363042
Ion Ratio Lower Upper
152 100
115 69.8 27.5 82.5
150 148.1 0.0 344.4

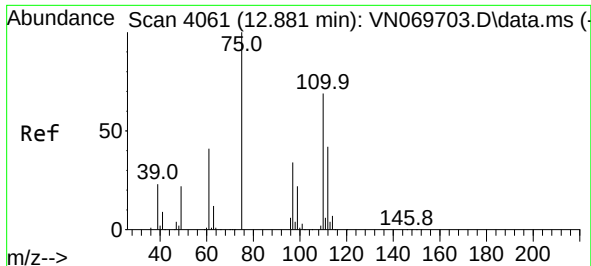


#74
N-ethyl acetate
Concen: 0.861 ug/l
RT: 12.315 min Scan# 3850
Delta R.T. -0.072 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37



Tgt Ion: 43 Resp: 46179
Ion Ratio Lower Upper
43 100
70 1.8 33.4 50.0#
55 0.0 19.3 28.9#
61 2.5 18.5 27.7#

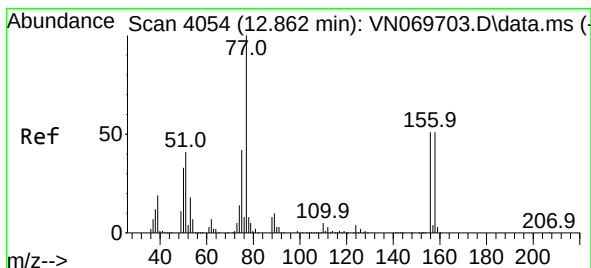
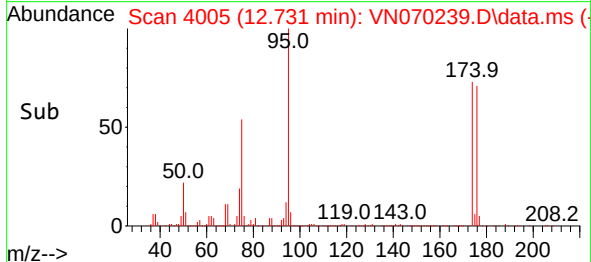
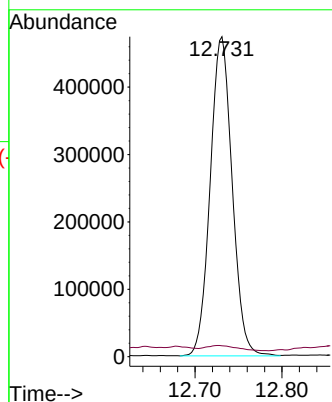
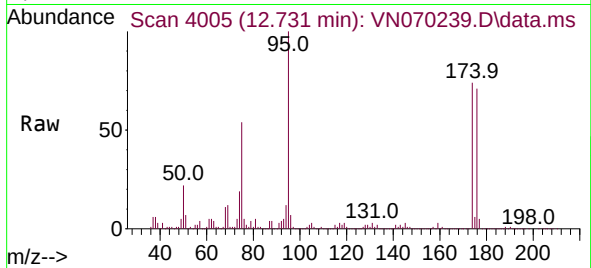




#76
1,2,3-Trichloropropane
Concen: 21.259 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

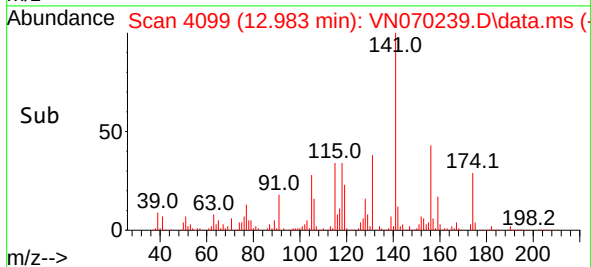
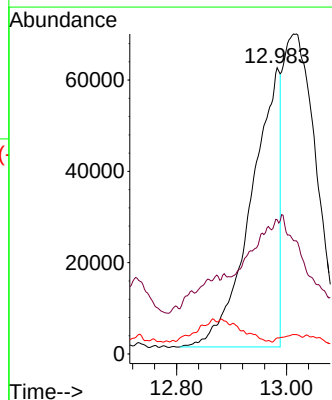
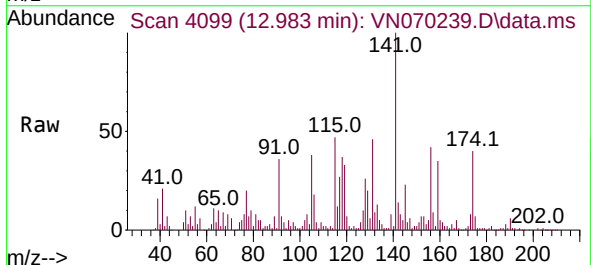
Instrument :
MSVOA_N
ClientSampleId :

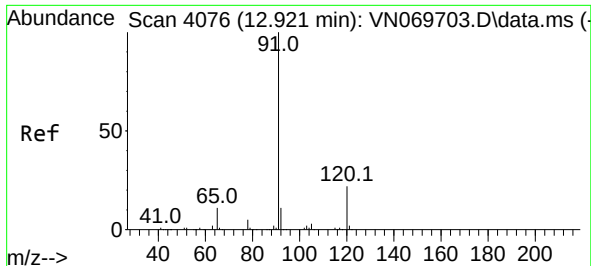
Tgt Ion: 75 Resp: 831003
Ion Ratio Lower Upper
75 100
77 2.2 82.6 247.8#



#77
Bromobenzene
Concen: 7.839 ug/l
RT: 12.983 min Scan# 4099
Delta R.T. 0.121 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

Tgt Ion:156 Resp: 223289
Ion Ratio Lower Upper
156 100
77 0.0 90.6 271.8#
158 0.0 48.9 146.7#

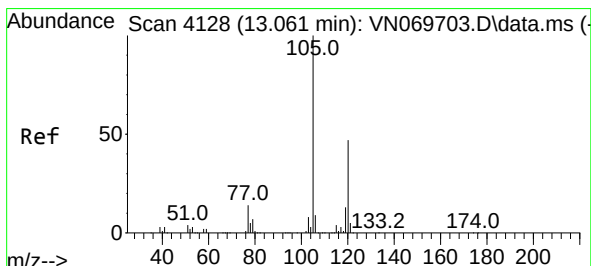
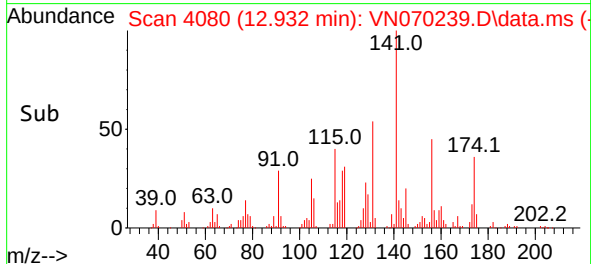
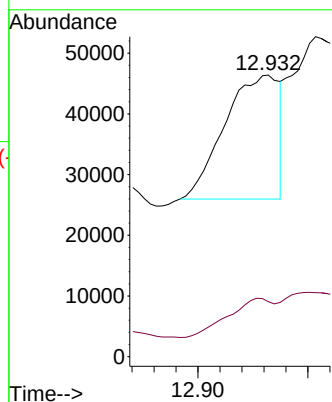
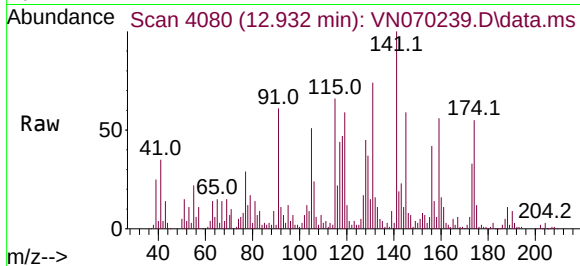




#78
n-propylbenzene
Concen: 0.262 ug/l
RT: 12.932 min Scan# 4076
Delta R.T. 0.011 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

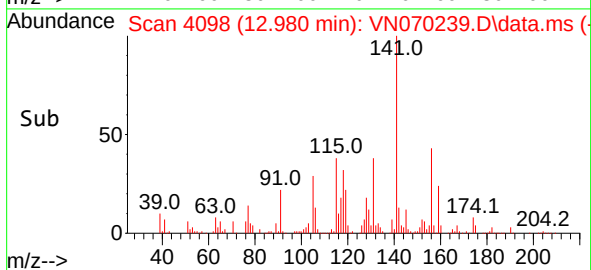
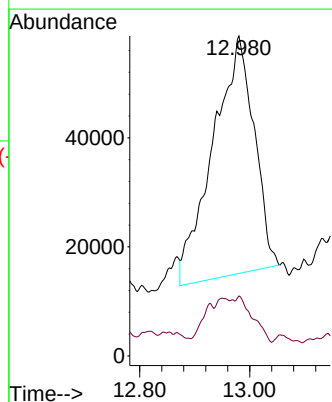
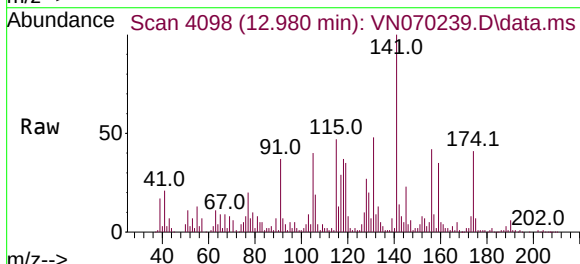
Instrument :
MSVOA_N
ClientSampleId :

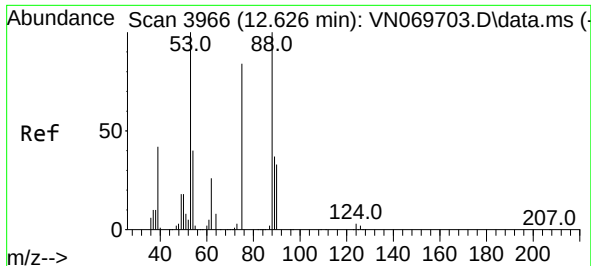
Tgt Ion: 91 Resp: 35304
Ion Ratio Lower Upper
91 100
120 25.9 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 2.323 ug/l
RT: 12.980 min Scan# 4098
Delta R.T. -0.080 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

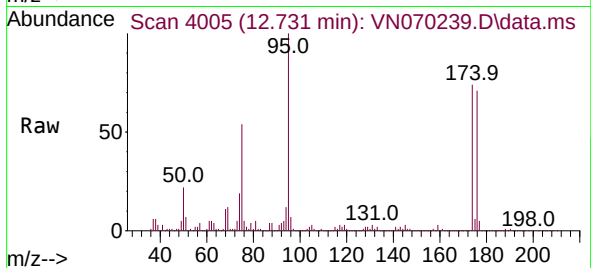
Tgt Ion:105 Resp: 226720
Ion Ratio Lower Upper
105 100
120 0.0 24.6 73.6#



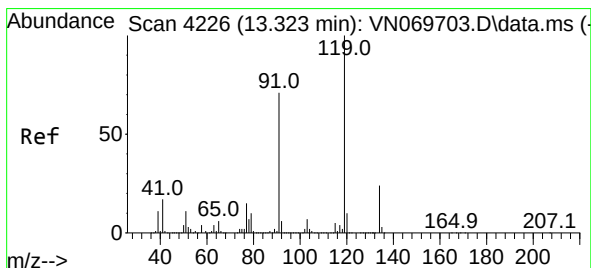
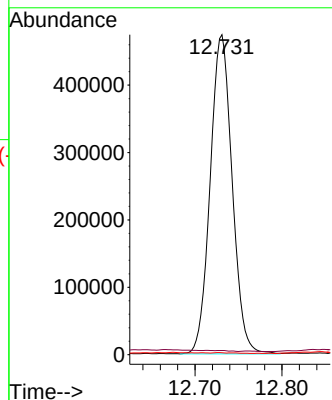
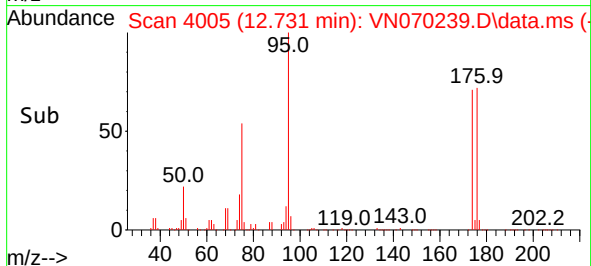


#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.989 ug/l
 RT: 12.731 min Scan# 4170
 Delta R.T. 0.105 min
 Lab File: VN070239.D
 Acq: 20 Dec 2021 14:37

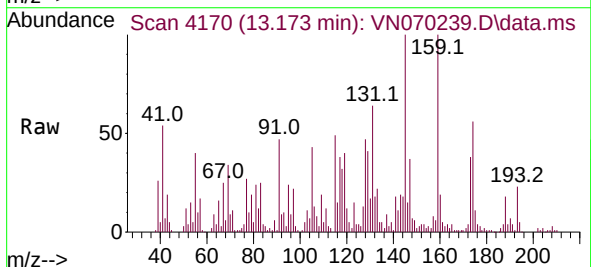
Instrument :
 MSVOA_N
 ClientSampleId :



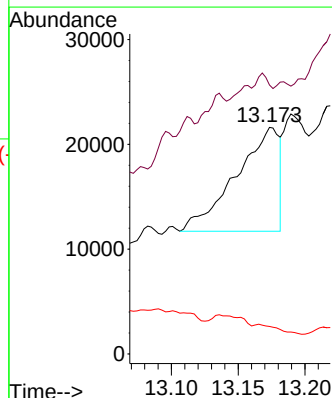
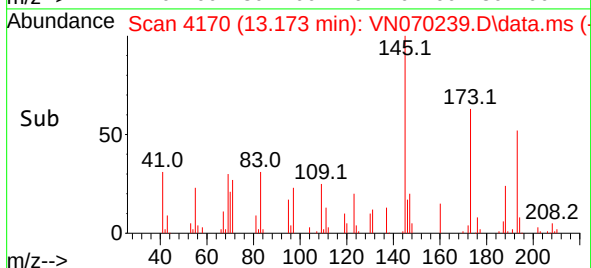
Tgt Ion: 75 Resp: 831003
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

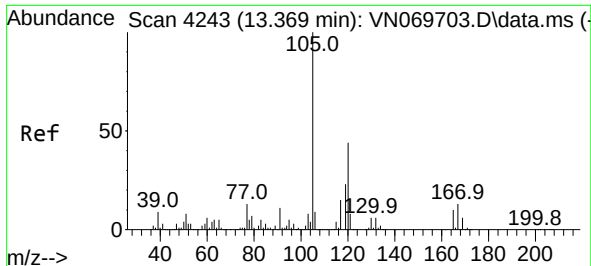


#83
 tert-Butylbenzene
 Concen: 0.260 ug/l
 RT: 13.173 min Scan# 4170
 Delta R.T. -0.150 min
 Lab File: VN070239.D
 Acq: 20 Dec 2021 14:37



Tgt Ion: 119 Resp: 22443
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.5 94.5#
 134 0.0 12.4 37.4#

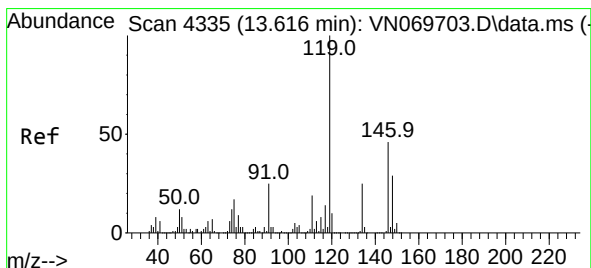
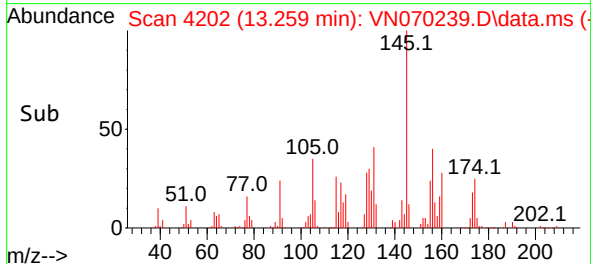
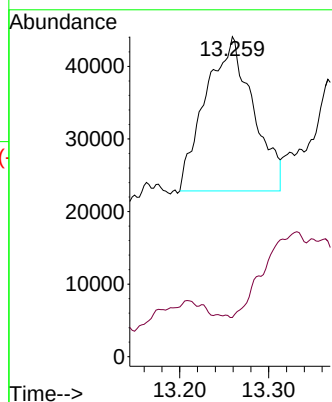
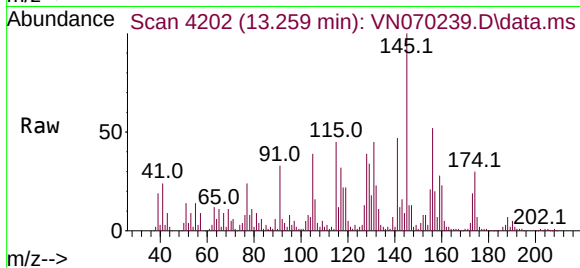




#84
1,2,4-Trimethylbenzene
Concen: 0.844 ug/l
RT: 13.259 min Scan# 41
Delta R.T. -0.110 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

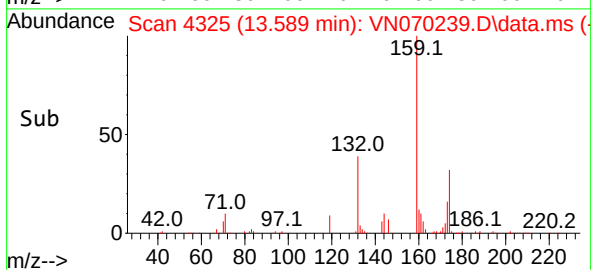
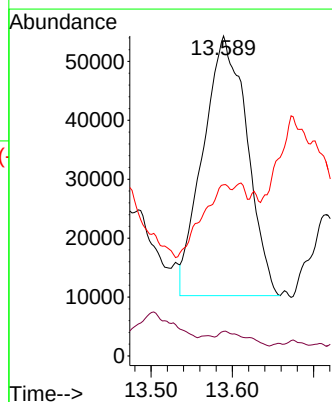
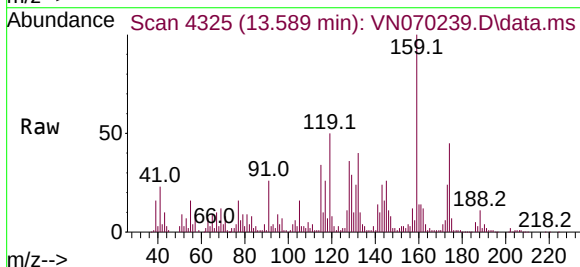
Instrument :
MSVOA_N
ClientSampleId :

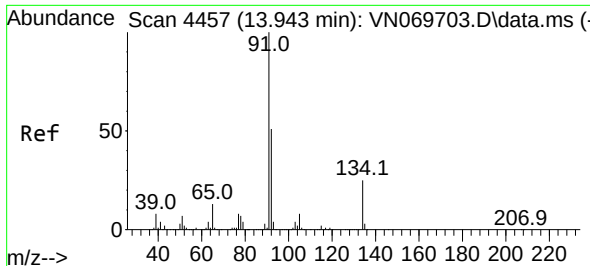
Tgt Ion:105 Resp: 78439
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#



#86
p-Isopropyltoluene
Concen: 1.807 ug/l
RT: 13.589 min Scan# 4325
Delta R.T. -0.027 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

Tgt Ion:119 Resp: 165582
Ion Ratio Lower Upper
119 100
134 3.6 13.6 40.7#
91 18.3 11.4 34.1





#89

n-Butylbenzene

Concen: 0.228 ug/l

RT: 13.943 min Scan# 4457

Delta R.T. 0.000 min

Lab File: VN070239.D

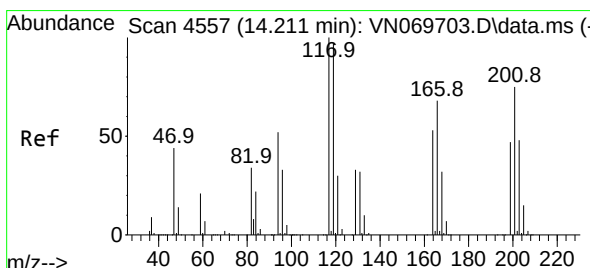
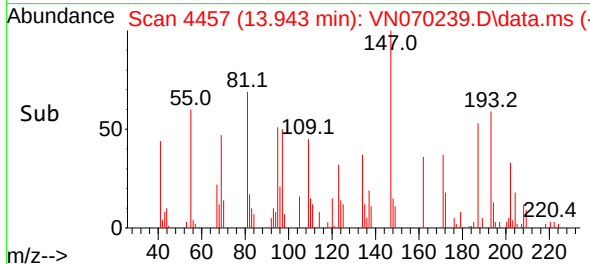
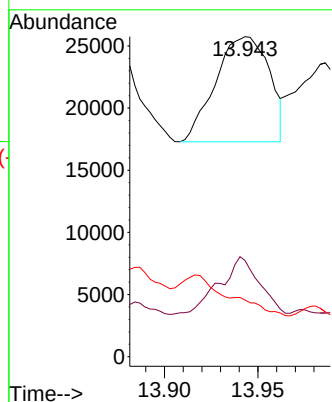
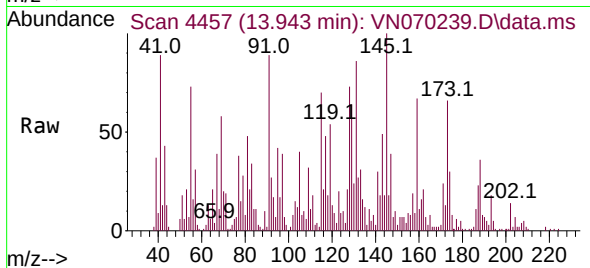
Acq: 20 Dec 2021 14:37

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 16929
Ion Ratio	Lower Upper
91	100
92	38.7 25.4 76.0
134	0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 1.592 ug/l

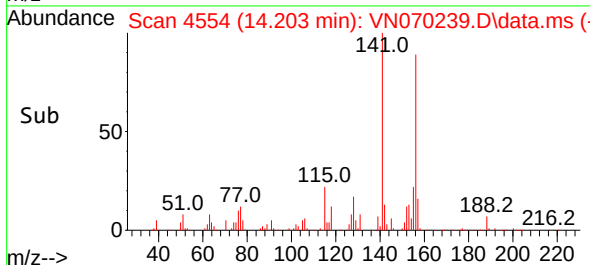
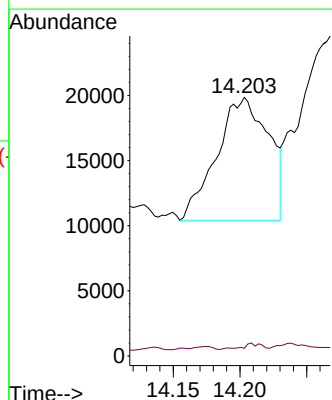
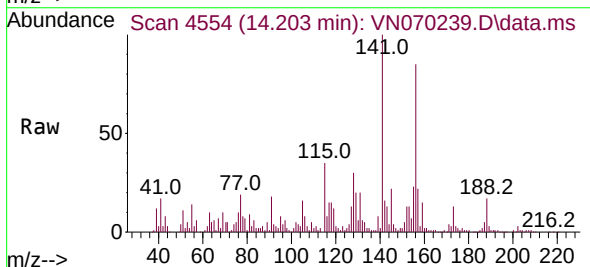
RT: 14.203 min Scan# 4554

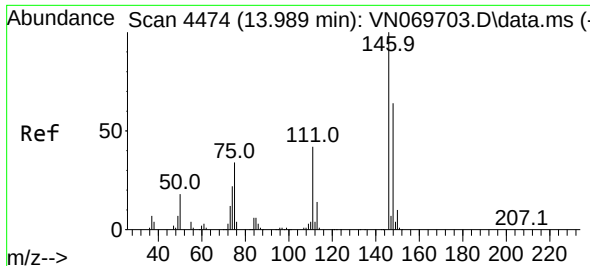
Delta R.T. -0.008 min

Lab File: VN070239.D

Acq: 20 Dec 2021 14:37

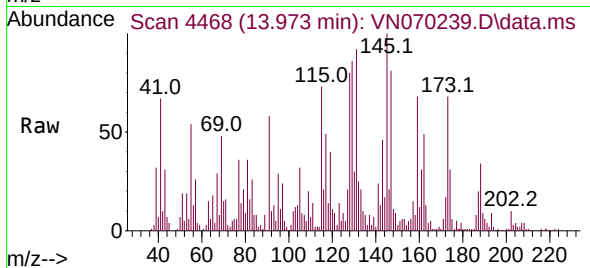
Tgt Ion: 117	Resp: 25616
Ion Ratio	Lower Upper
117	100
201	1.0 43.9 131.6#



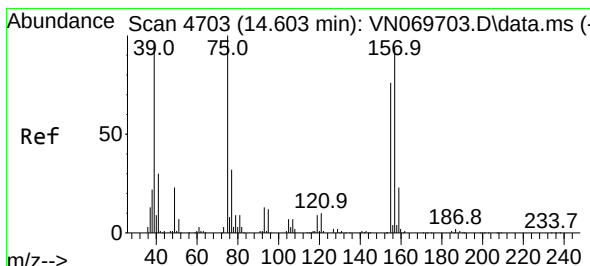
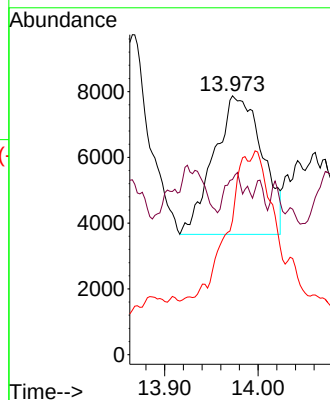
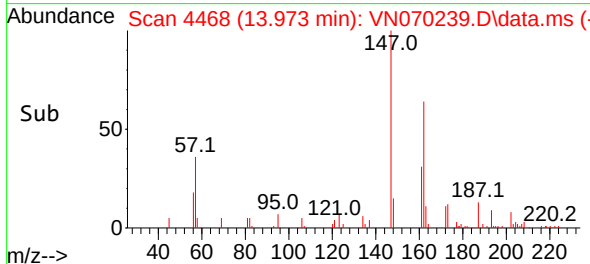


#91
1,2-Dichlorobenzene
Concen: 0.333 ug/l
RT: 13.973 min Scan# 4468
Delta R.T. -0.016 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37

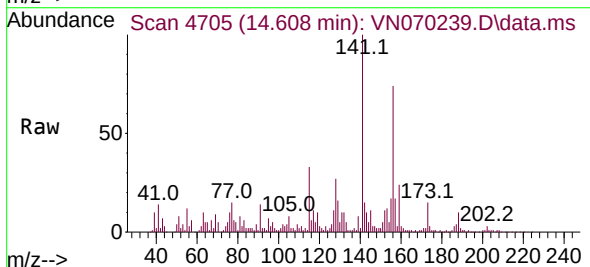
Instrument :
MSVOA_N
ClientSampleId :



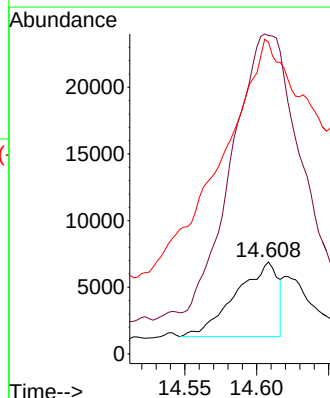
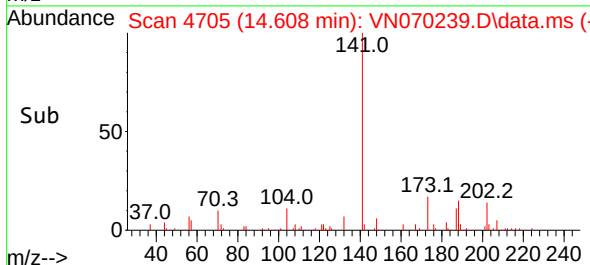
Tgt Ion:146 Resp: 15205
Ion Ratio Lower Upper
146 100
111 8.9 19.1 57.3#
148 40.3 32.1 96.3

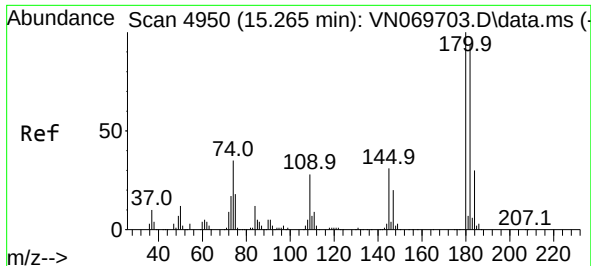


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.515 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.006 min
Lab File: VN070239.D
Acq: 20 Dec 2021 14:37



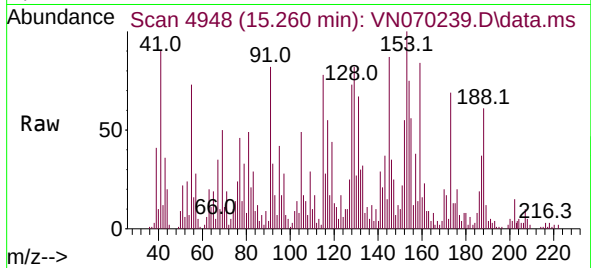
Tgt Ion: 75 Resp: 11479
Ion Ratio Lower Upper
75 100
155 614.2 46.9 140.7#
157 719.1 60.6 181.7#



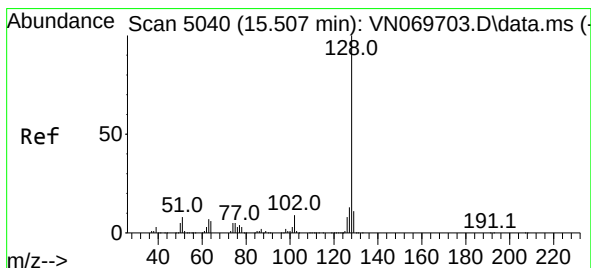
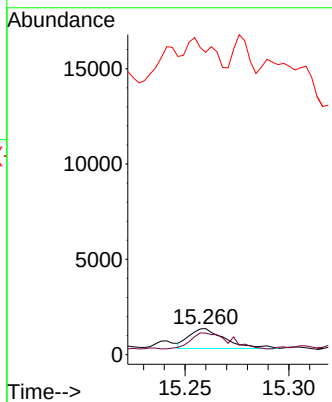
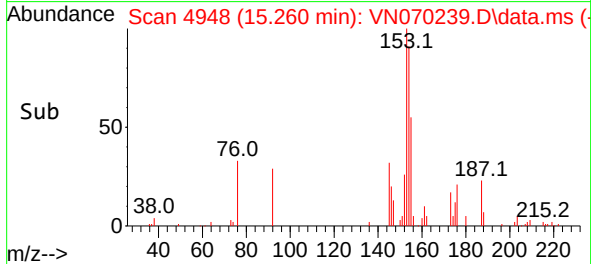


#93
 1,2,4-Trichlorobenzene
 Concen: 2.930 ug/l
 RT: 15.260 min Scan# 4950
 Delta R.T. -0.005 min
 Lab File: VN070239.D
 Acq: 20 Dec 2021 14:37

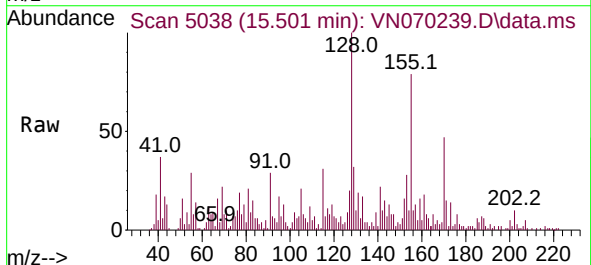
Instrument :
 MSVOA_N
 ClientSampleId :



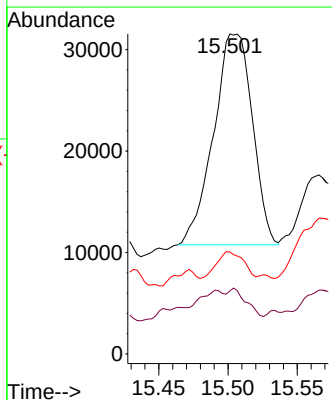
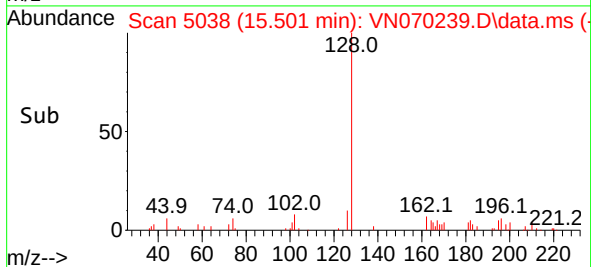
Tgt Ion:180 Resp: 1246
 Ion Ratio Lower Upper
 180 100
 182 86.4 48.3 144.9
 145 0.0 14.5 43.5#

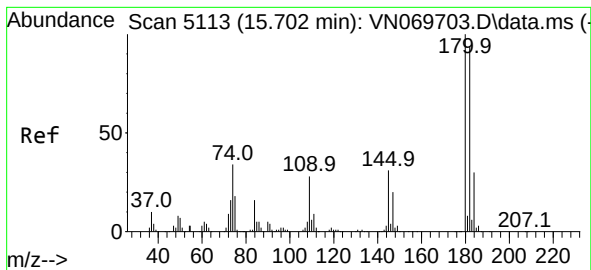


#95
 Naphthalene
 Concen: 4.547 ug/l
 RT: 15.501 min Scan# 5038
 Delta R.T. -0.006 min
 Lab File: VN070239.D
 Acq: 20 Dec 2021 14:37



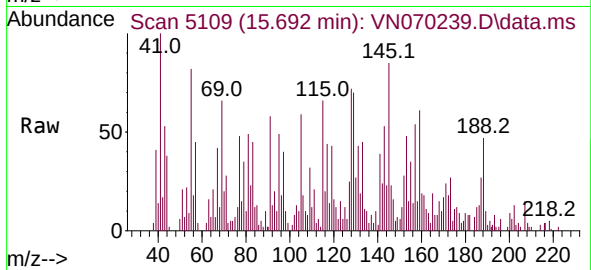
Tgt Ion:128 Resp: 40670
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 9.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.464 ug/l
 RT: 15.692 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VN070239.D
 Acq: 20 Dec 2021 14:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 653
 Ion Ratio Lower Upper
 180 100
 182 252.4 47.4 142.2#
 145 0.0 15.0 45.1#

