

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070196.D
 Acq On : 18 Dec 2021 5:49
 Operator : JC/MD
 Sample : M5115-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:24:10 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)

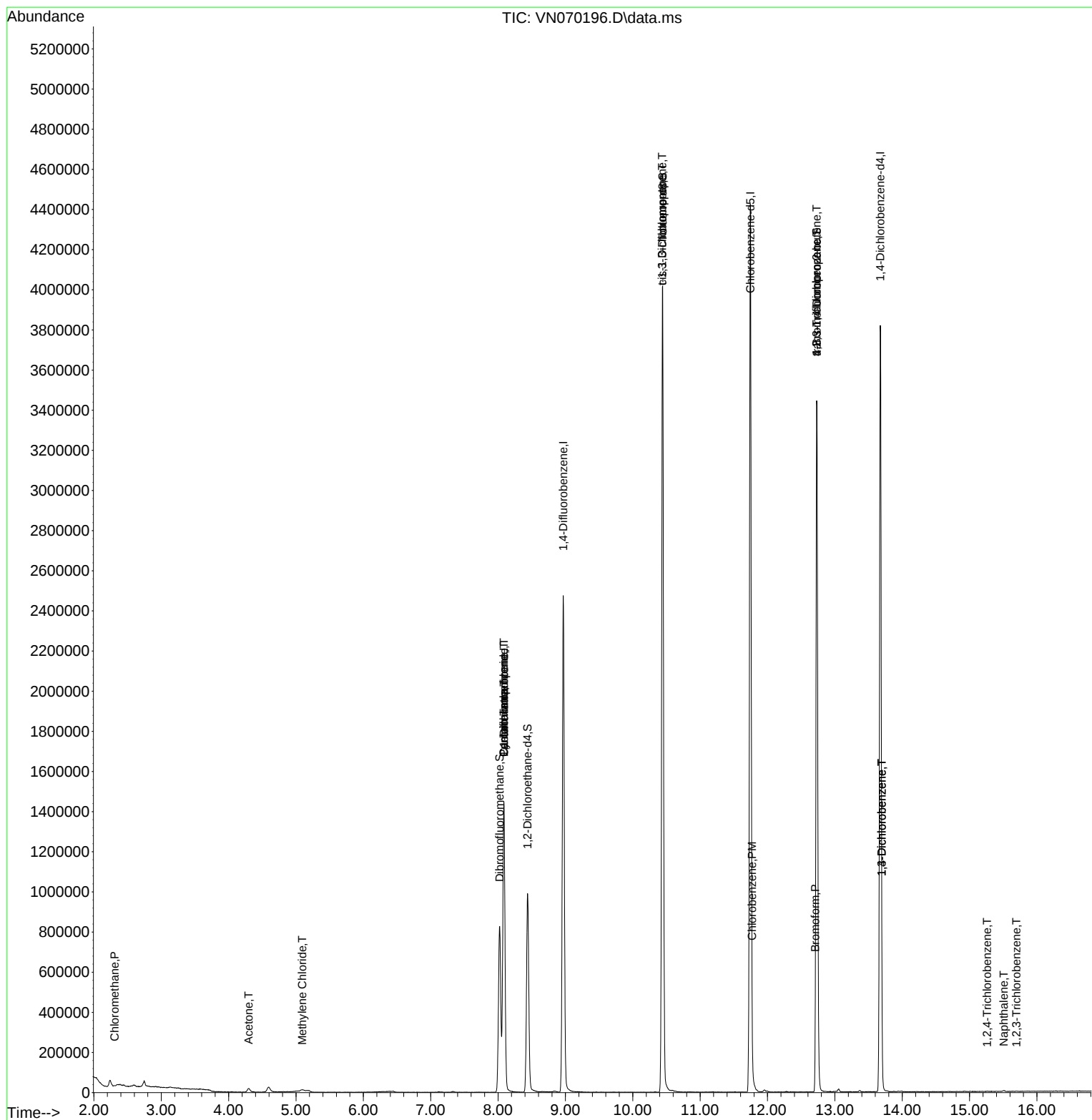
Internal Standards						
1) Pentafluorobenzene	8.085	168	1073101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2066097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2476625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1033058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	863068	52.090	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	104.180%	
35) Dibromofluoromethane	8.024	113	607790	46.964	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	93.920%	
50) Toluene-d8	10.443	98	2748937	52.900	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	105.800%	
62) 4-Bromofluorobenzene	12.731	95	1235202	65.613	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	131.220%	
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	3438	0.219	ug/l	91
16) Acetone	4.296	43	34415	3.453	ug/l #	88
20) Methylene Chloride	5.092	84	3512	0.265	ug/l	88
31) Cyclohexane	8.085	56	26899	1.167	ug/l #	18
36) 1,1-Dichloropropene	8.085	75	90689	4.611	ug/l #	49
38) Carbon Tetrachloride	8.085	117	110758	5.742	ug/l #	17
53) t-1,3-Dichloropropene	10.438	75	189	2.802	ug/l #	1
54) cis-1,3-Dichloropropene	10.438	75	464	2.016	ug/l #	1
65) Chlorobenzene	11.771	112	17555	0.349	ug/l	97
71) Bromoform	12.709	173	313	2.750	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	674604	22.771	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	674604	72.534	ug/l #	5
87) 1,3-Dichlorobenzene	13.696	146	10404	0.293	ug/l #	14
88) 1,4-Dichlorobenzene	13.696	146	10404	0.298	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.262	180	267	2.893	ug/l #	59
95) Naphthalene	15.507	128	4790	4.072	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.697	180	140	2.444	ug/l #	76

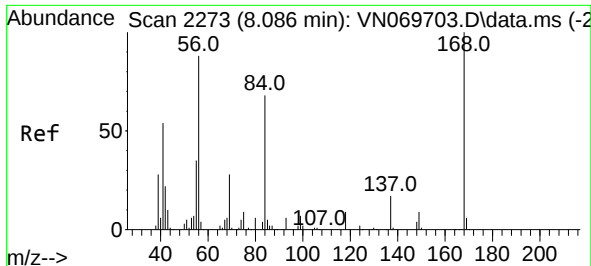
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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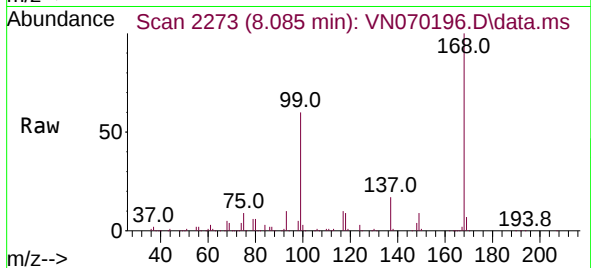
Quant Time: Dec 19 07:24:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



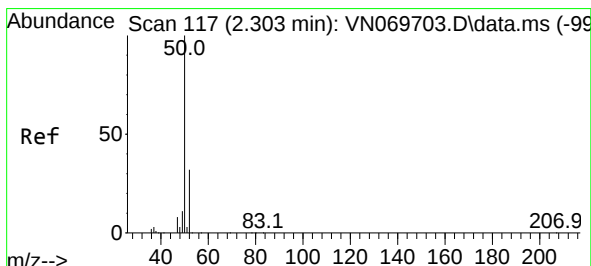
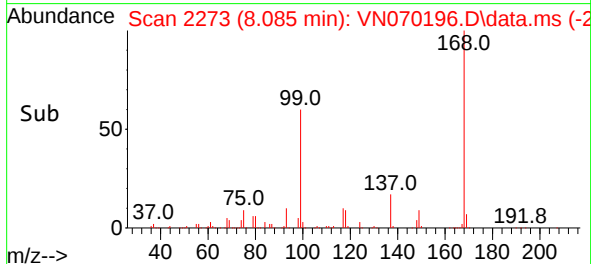
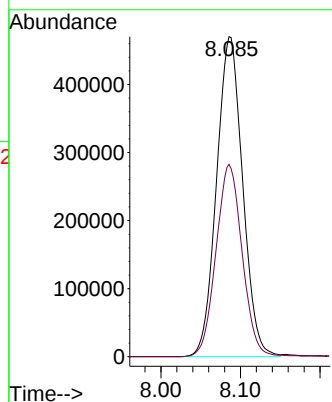


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Instrument :
MSVOA_N
ClientSampleId :

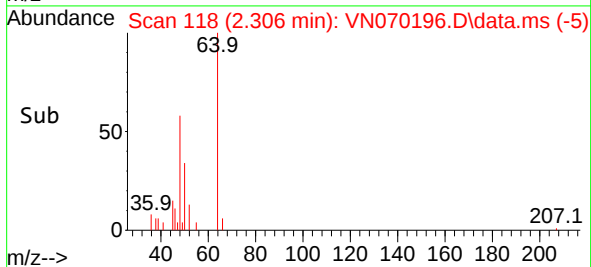
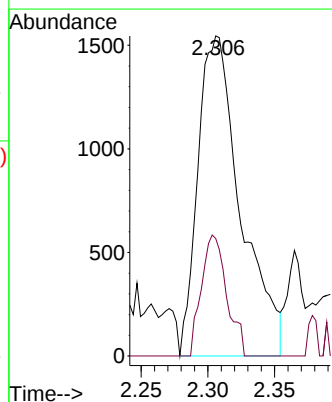
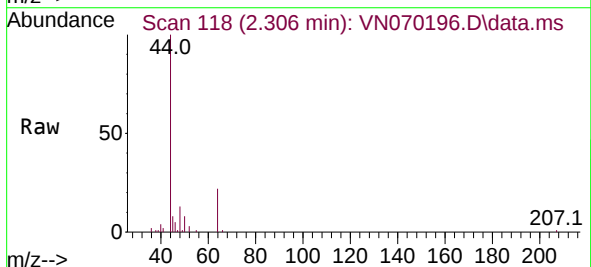


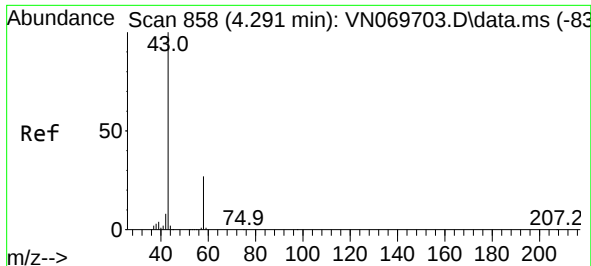
Tgt Ion:168 Resp: 1073101
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#3
Chloromethane
Concen: 0.219 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion: 50 Resp: 3438
Ion Ratio Lower Upper
50 100
52 36.7 25.4 38.0

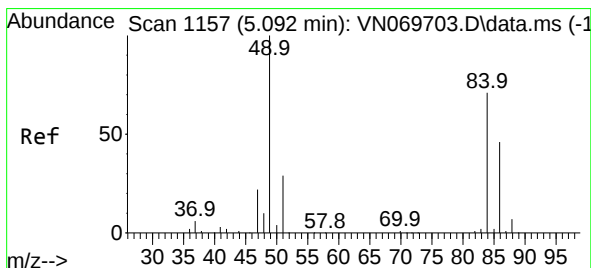
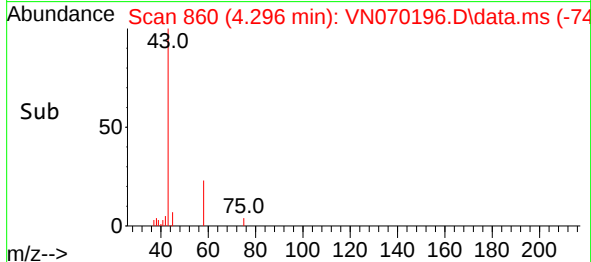
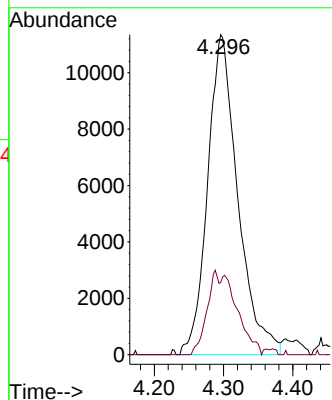
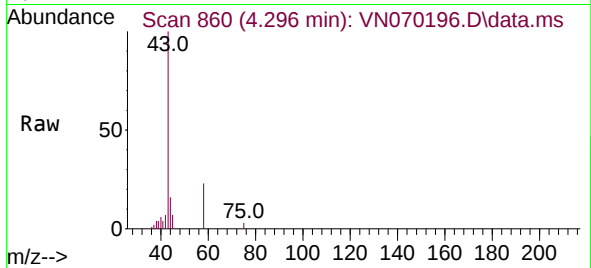




#16
Acetone
Concen: 3.453 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

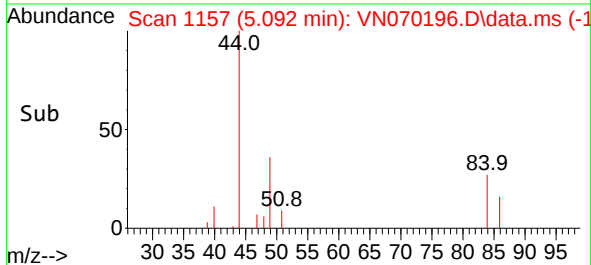
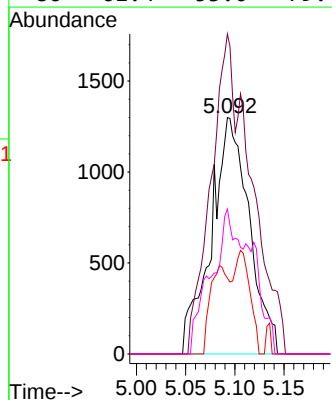
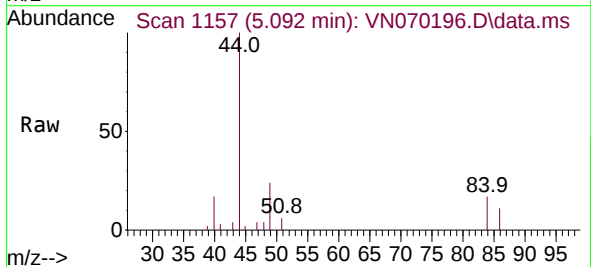
Instrument :
MSVOA_N
ClientSampleId :

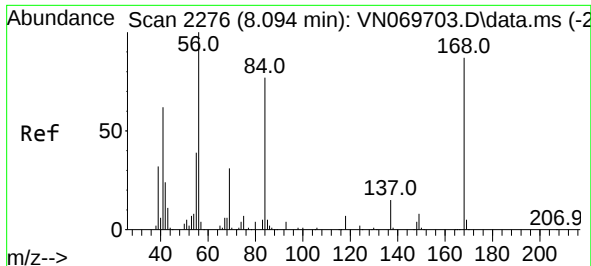
Tgt Ion: 43 Resp: 34415
Ion Ratio Lower Upper
43 100
58 22.5 23.1 34.7#



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

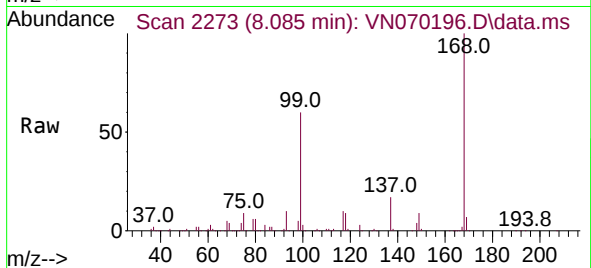
Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
49 135.4 93.5 140.3
51 32.1 29.4 44.2
86 61.4 53.0 79.4



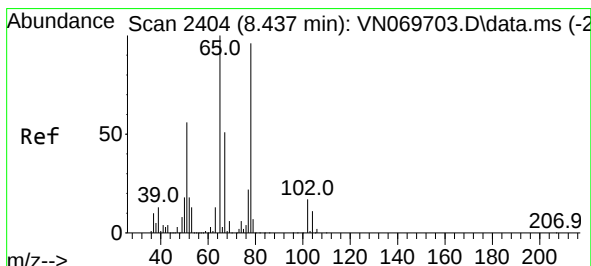
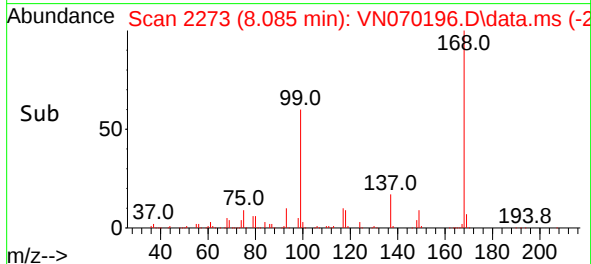
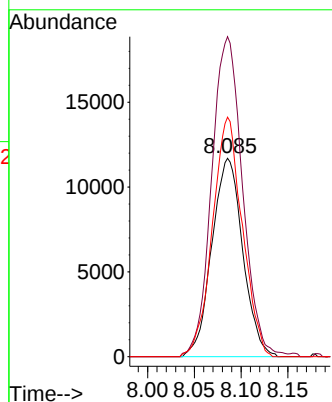


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Instrument :
MSVOA_N
ClientSampleId :

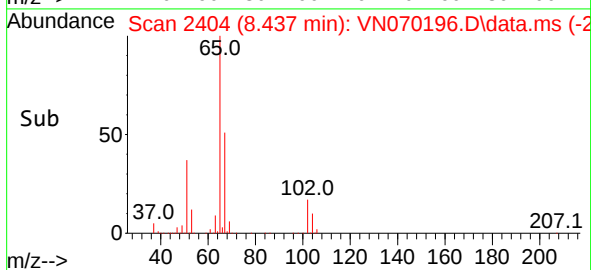
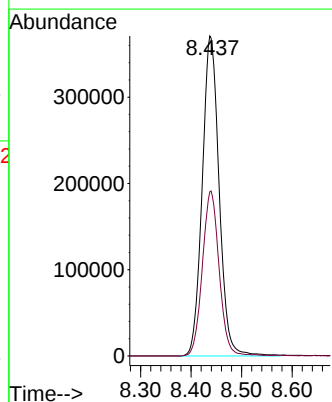
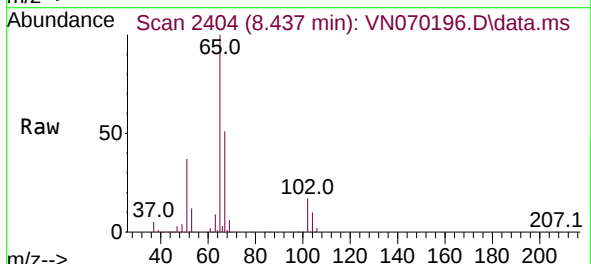


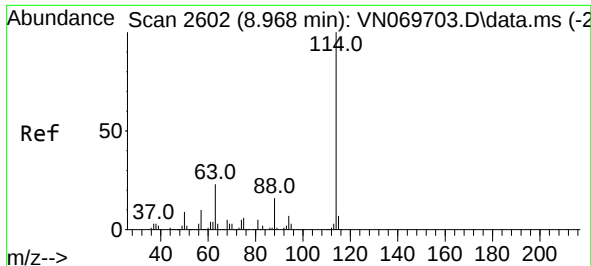
Tgt Ion: 56 Resp: 26899
Ion Ratio Lower Upper
56 100
69 161.3 27.1 40.7#
84 120.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.090 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

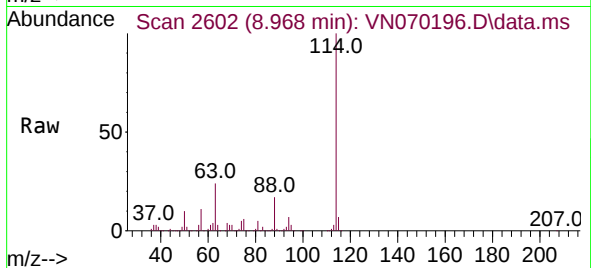
Tgt Ion: 65 Resp: 863068
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



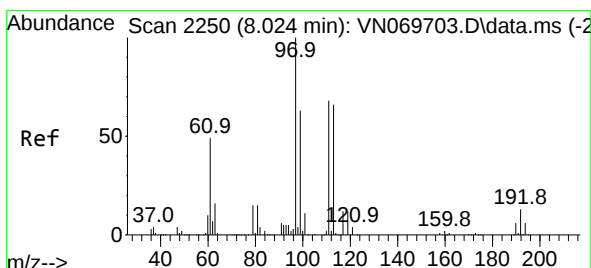
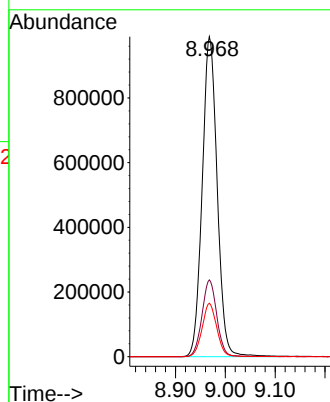
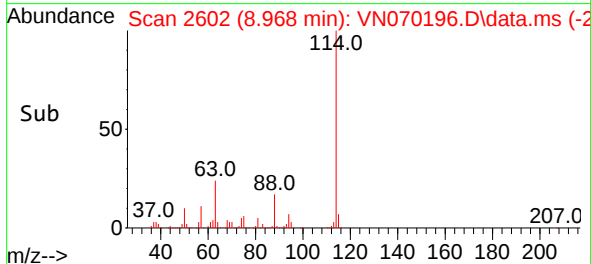


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2066097
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Instrument :
MSVOA_N
ClientSampleId :

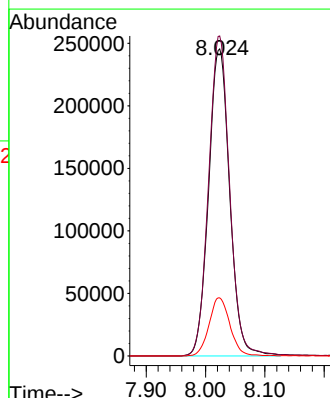
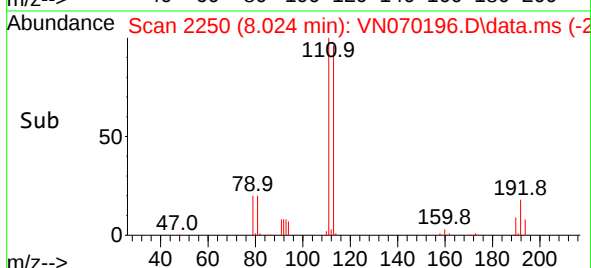
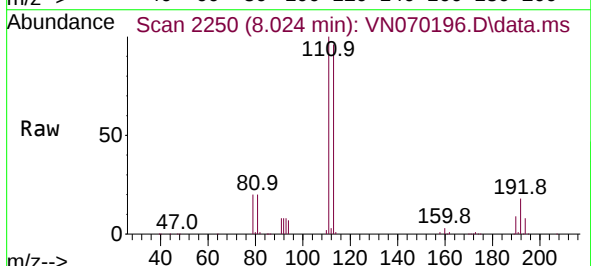


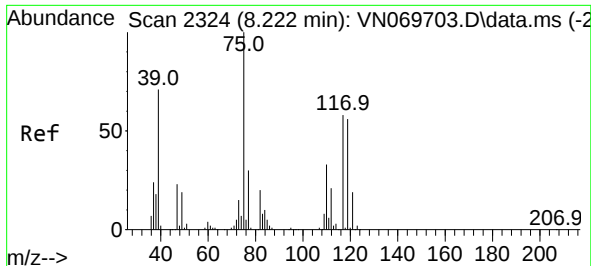
Tgt Ion:114 Resp: 2066097
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.964 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion:113 Resp: 607790
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.7 16.9 25.3

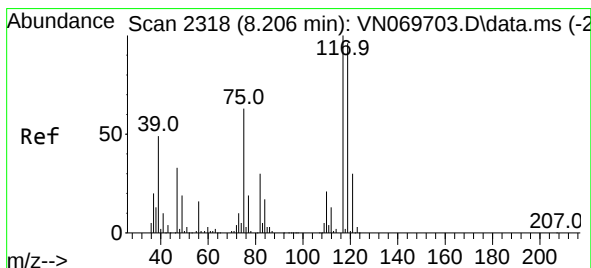
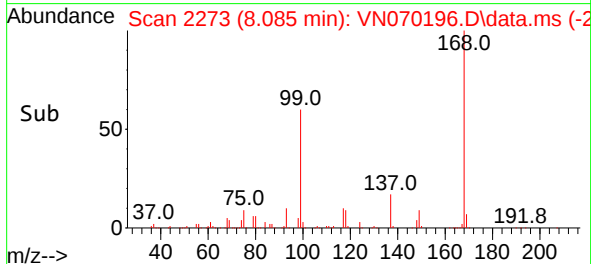
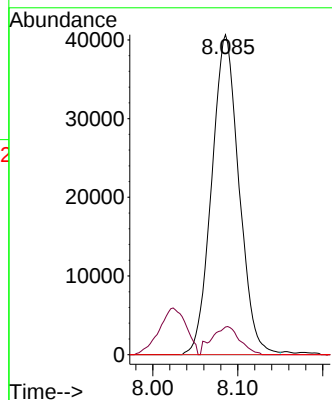
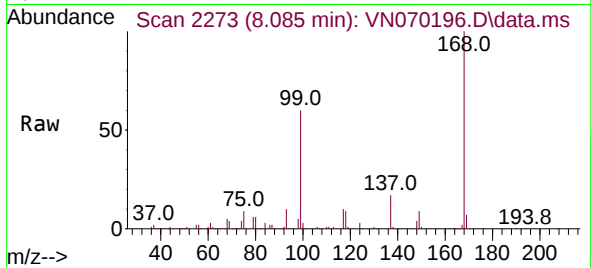




#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

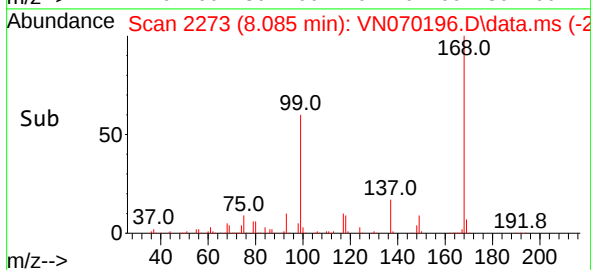
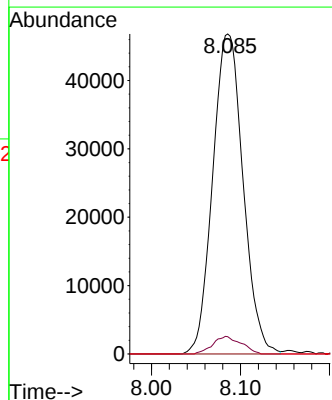
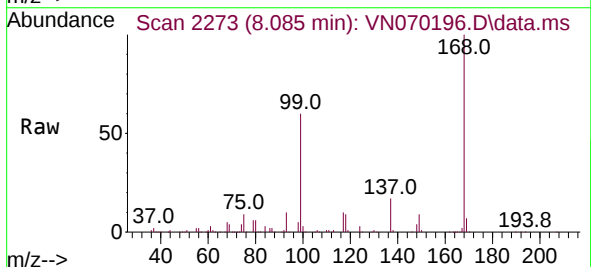
Instrument :
MSVOA_N
ClientSampleId :

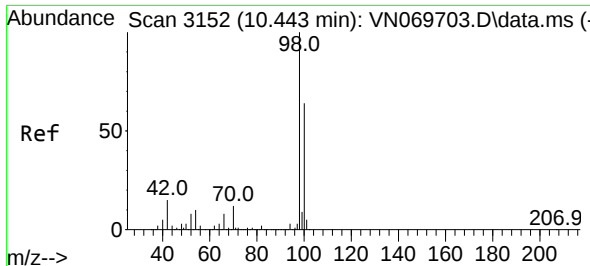
Tgt Ion: 75 Resp: 90689
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion: 117 Resp: 110758
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#

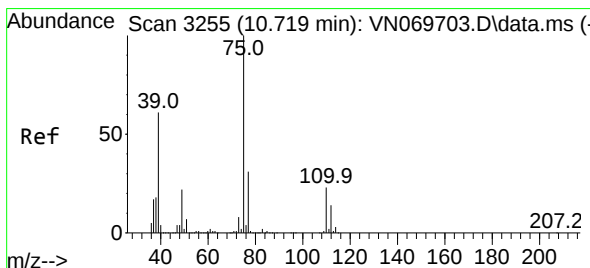
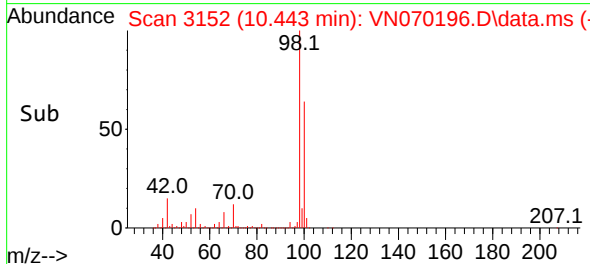
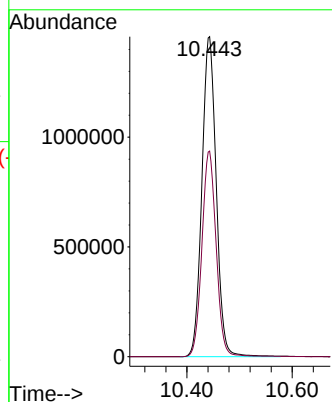
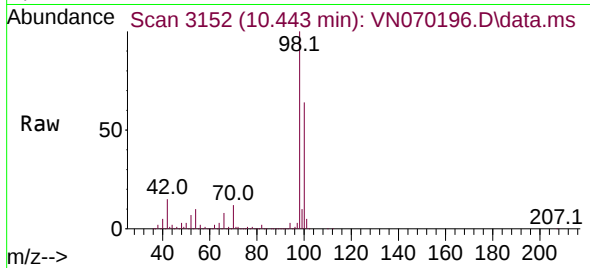




#50
Toluene-d8
Concen: 52.900 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

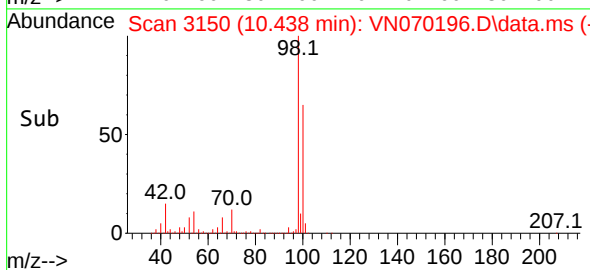
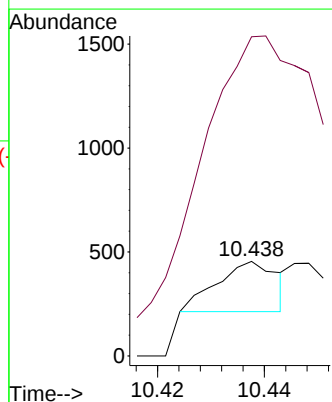
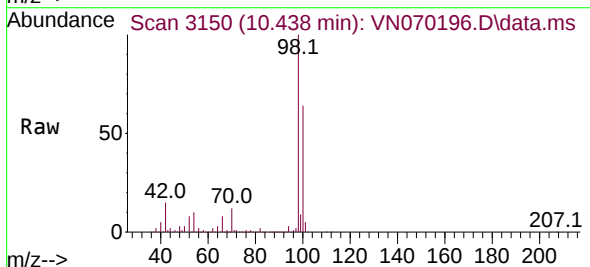
Instrument :
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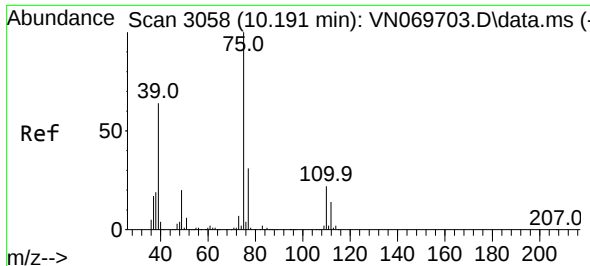
Tgt Ion: 98 Resp: 2748937
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.802 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.281 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

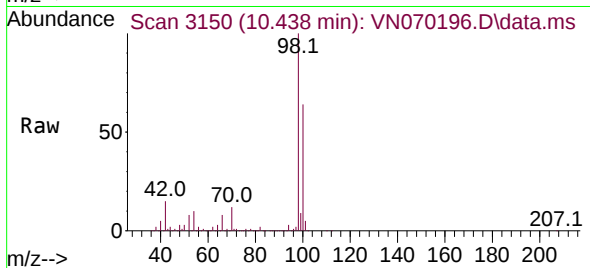
Tgt Ion: 75 Resp: 189
Ion Ratio Lower Upper
75 100
77 395.9 25.6 38.4#



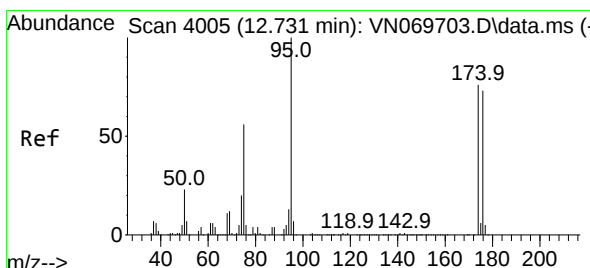
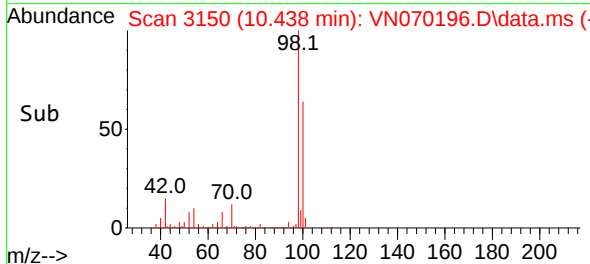
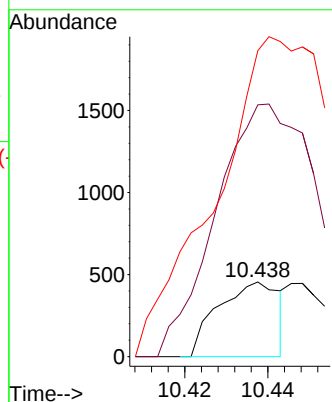


#54
 cis-1,3-Dichloropropene
 Concen: 2.016 ug/l
 RT: 10.438 min Scan# 3150
 Delta R.T. 0.247 min
 Lab File: VN070196.D
 Acq: 18 Dec 2021 5:49

Instrument :
 MSVOA_N
 ClientSampleId :

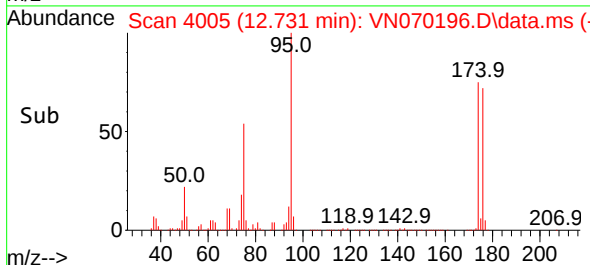
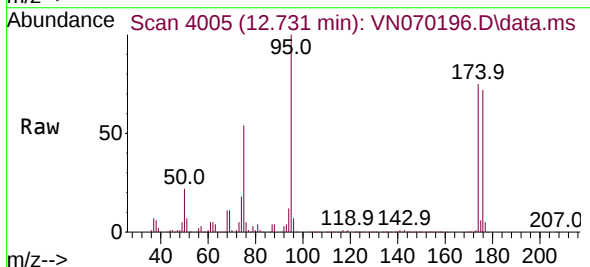
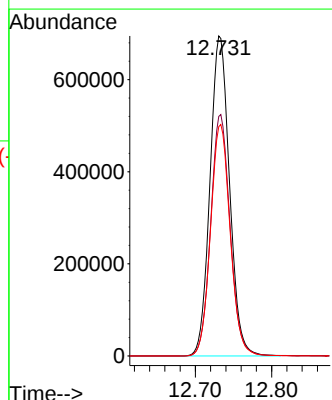


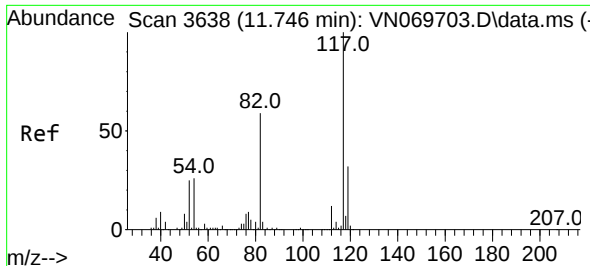
Tgt Ion: 75 Resp: 464
 Ion Ratio Lower Upper
 75 100
 77 280.9 26.4 39.6#
 39 269.5 42.5 63.7#



#62
 4-Bromofluorobenzene
 Concen: 65.613 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.000 min
 Lab File: VN070196.D
 Acq: 18 Dec 2021 5:49

Tgt Ion: 95 Resp: 1235202
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 187.2
 176 72.8 0.0 181.4

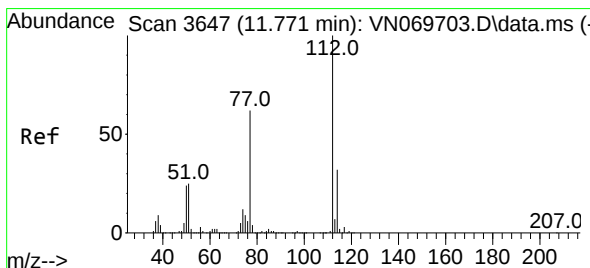
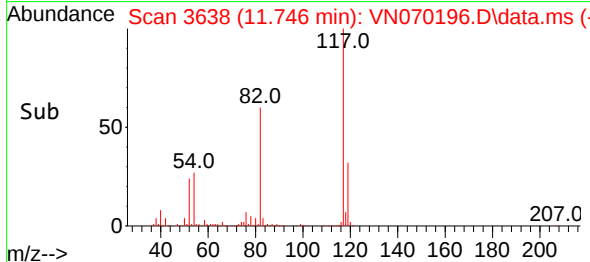
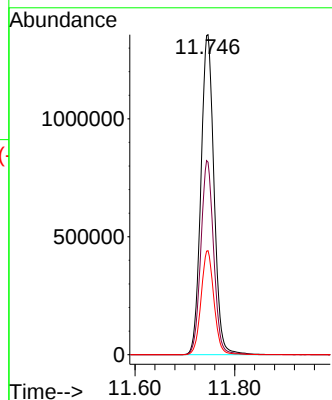
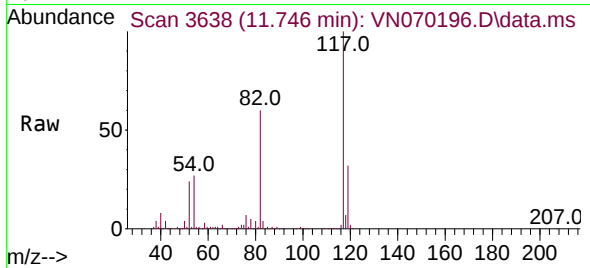




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

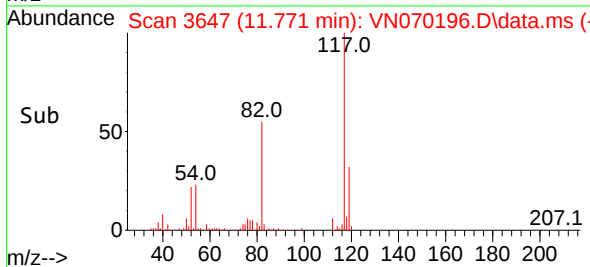
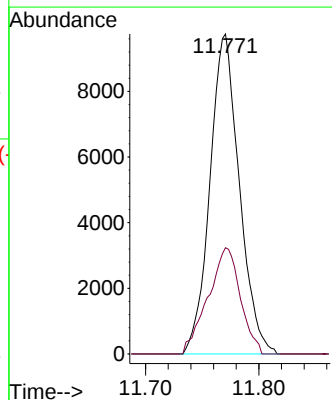
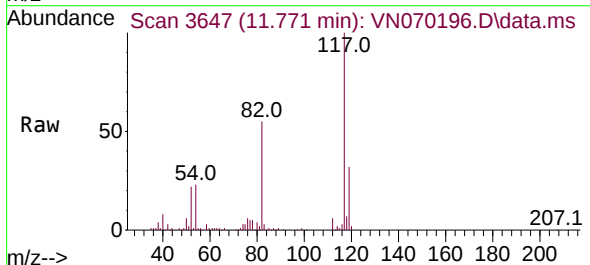
Instrument :
MSVOA_N
ClientSampleId :

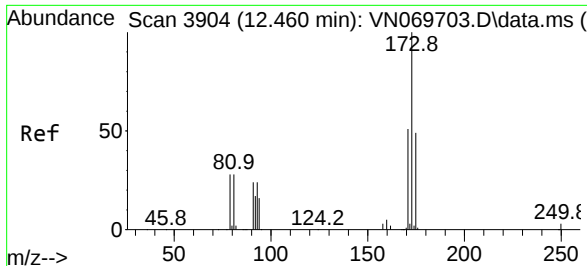
Tgt Ion:117 Resp: 2476625
Ion Ratio Lower Upper
117 100
82 60.2 42.4 63.6
119 32.5 25.4 38.2



#65
Chlorobenzene
Concen: 0.349 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion:112 Resp: 17555
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.0

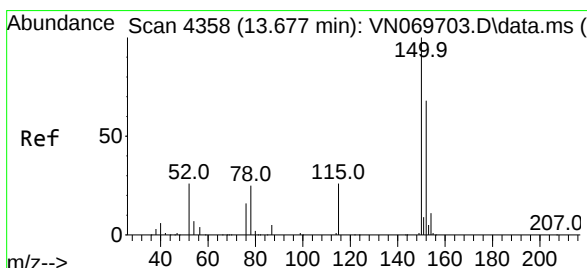
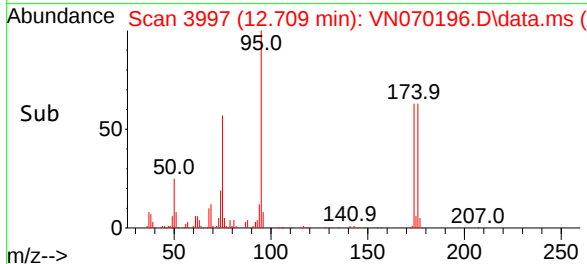
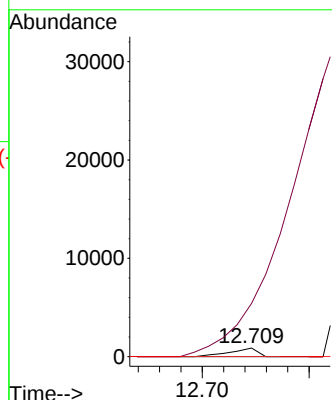
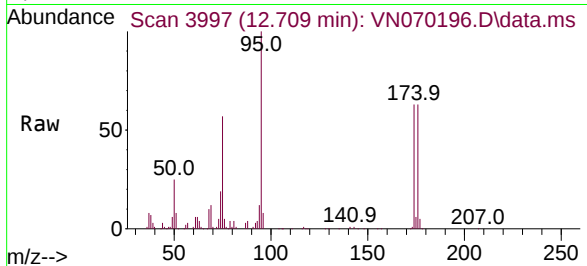




#71
Bromoform
Concen: 2.750 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

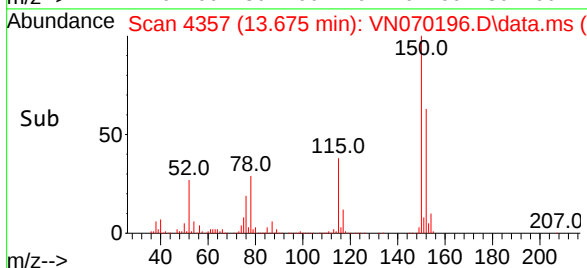
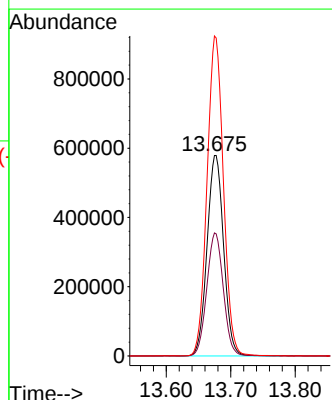
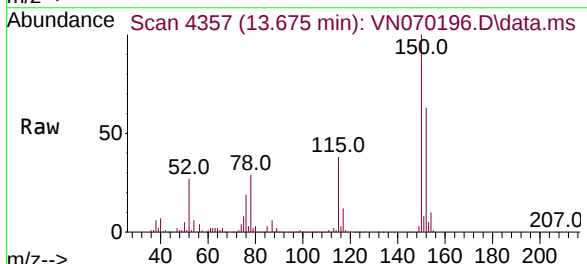
Instrument :
MSVOA_N
ClientSampleId :

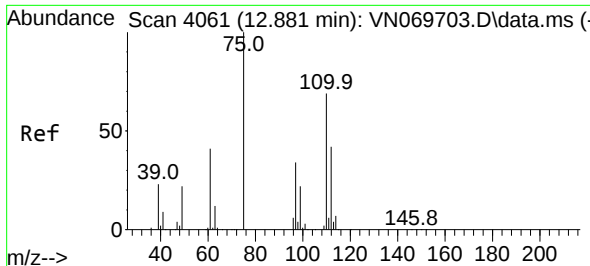
Tgt Ion:173 Resp: 313
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion:152 Resp: 1033058
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.3 0.0 344.4

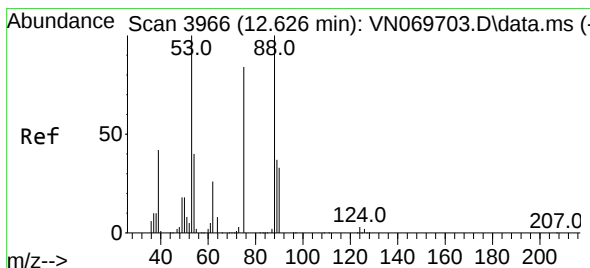
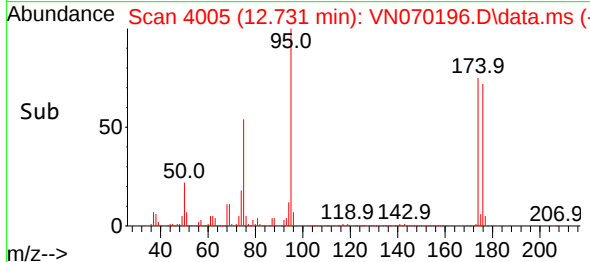
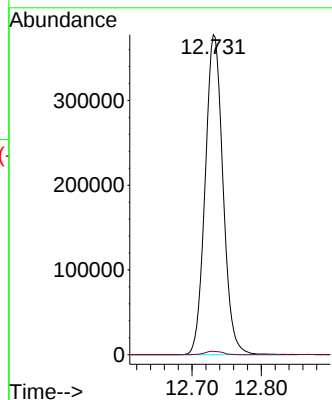
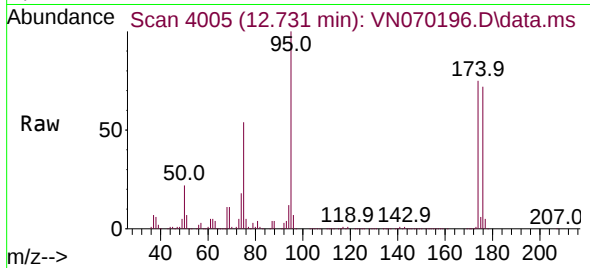




#76
1,2,3-Trichloropropane
Concen: 22.771 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

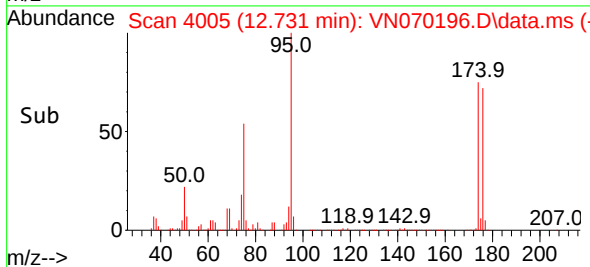
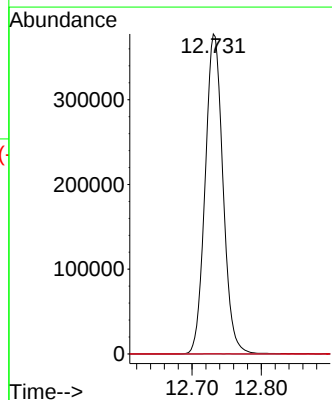
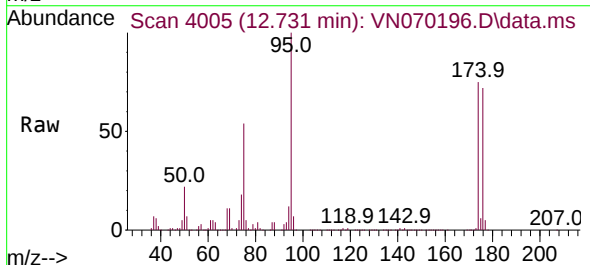
Instrument :
MSVOA_N
ClientSampleId :

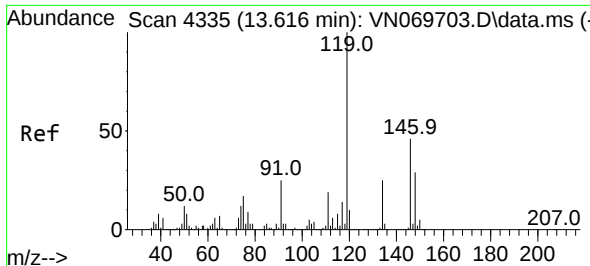
Tgt Ion: 75 Resp: 674604
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.534 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

Tgt Ion: 75 Resp: 674604
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

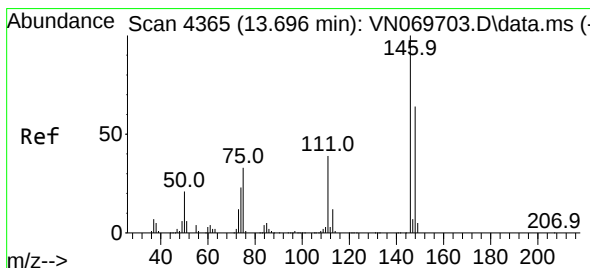
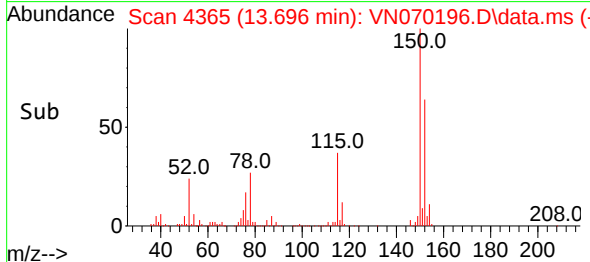
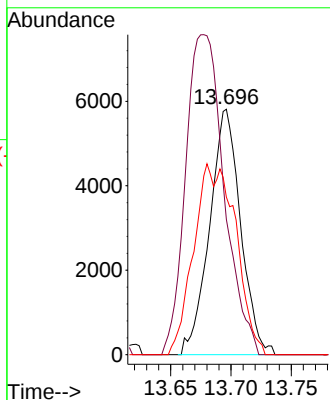
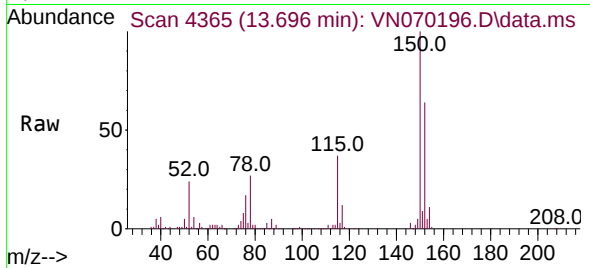




#87
 1,3-Dichlorobenzene
 Concen: 0.293 ug/l
 RT: 13.696 min Scan# 41
 Delta R.T. 0.080 min
 Lab File: VN070196.D
 Acq: 18 Dec 2021 5:49

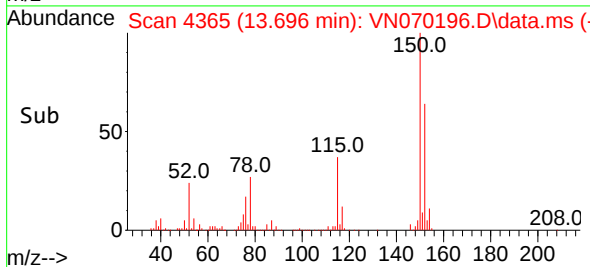
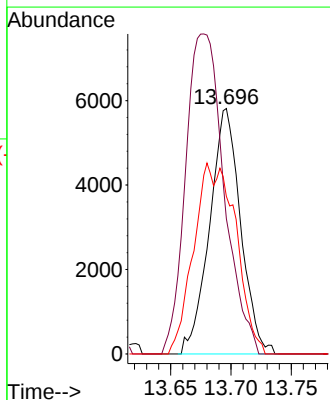
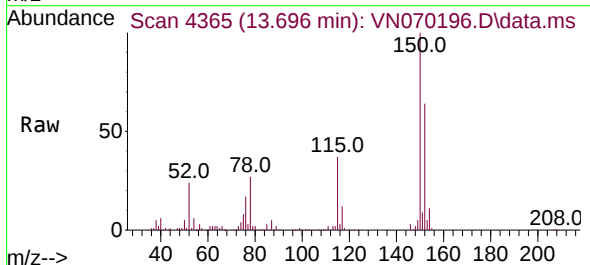
Instrument :
 MSVOA_N
 ClientSampleId :

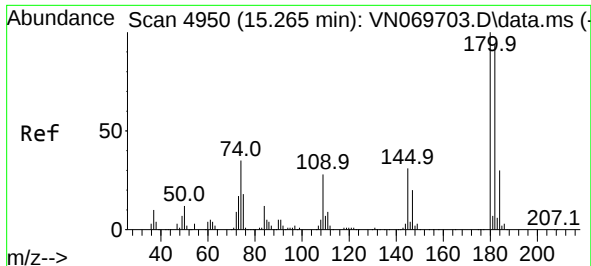
Tgt Ion:146 Resp: 10404
 Ion Ratio Lower Upper
 146 100
 111 161.3 18.6 55.6#
 148 51.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 0.298 ug/l
 RT: 13.696 min Scan# 4365
 Delta R.T. -0.000 min
 Lab File: VN070196.D
 Acq: 18 Dec 2021 5:49

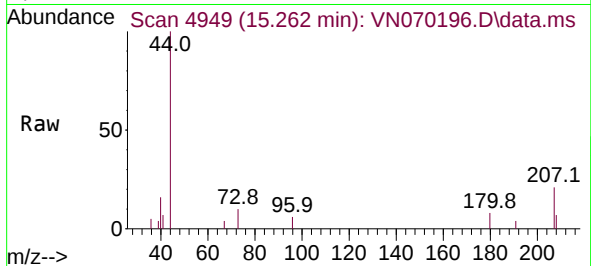
Tgt Ion:146 Resp: 10404
 Ion Ratio Lower Upper
 146 100
 111 161.3 18.3 54.8#
 148 51.6 31.8 95.4



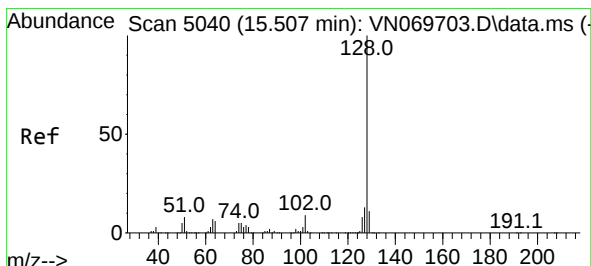
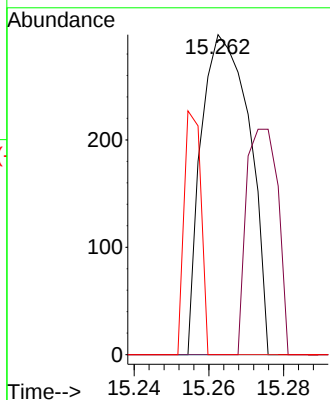
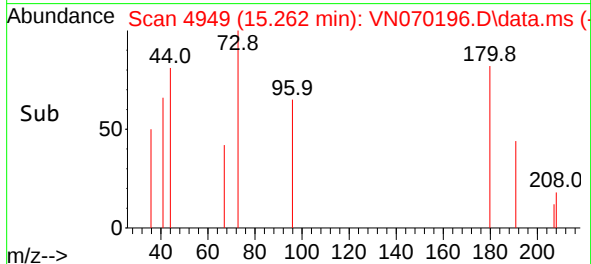


#93
1,2,4-Trichlorobenzene
Concen: 2.893 ug/l
RT: 15.262 min Scan# 4950
Delta R.T. -0.003 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49

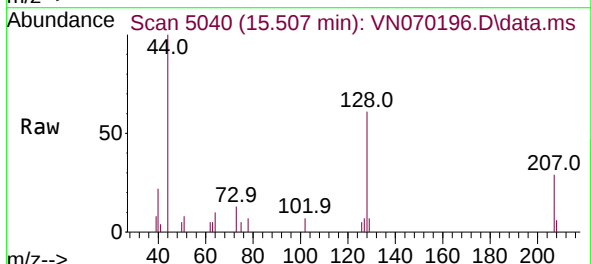
Instrument :
MSVOA_N
ClientSampleId :



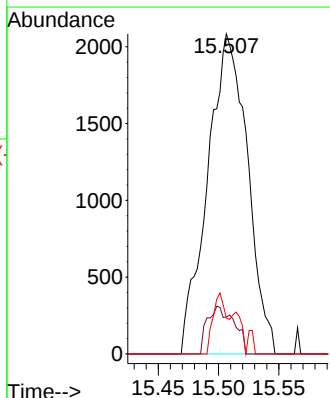
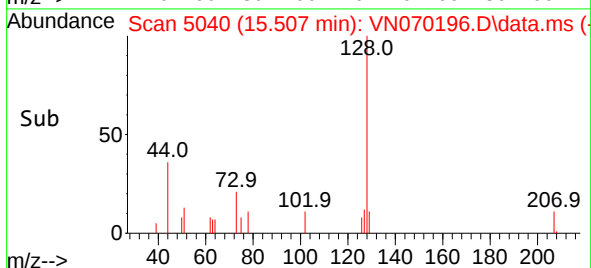
Tgt Ion:180 Resp: 267
Ion Ratio Lower Upper
180 100
182 46.1 48.3 144.9#
145 26.6 14.5 43.5

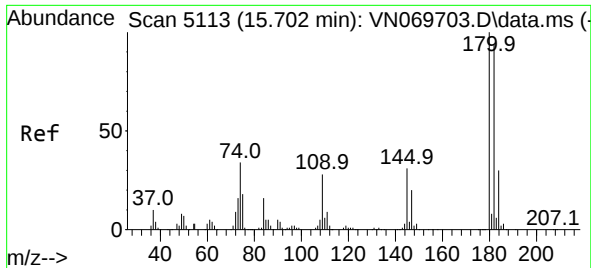


#95
Naphthalene
Concen: 4.072 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070196.D
Acq: 18 Dec 2021 5:49



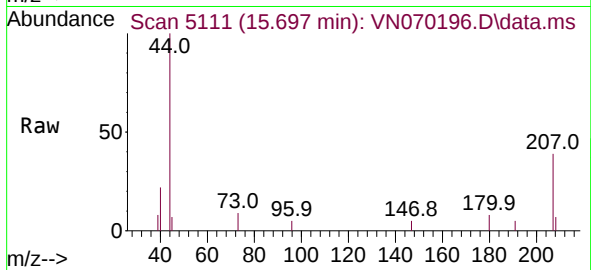
Tgt Ion:128 Resp: 4790
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 6.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.444 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070196.D
 Acq: 18 Dec 2021 5:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 140
 Ion Ratio Lower Upper
 180 100
 182 108.6 47.4 142.2
 145 0.0 15.0 45.1#

