

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070410.D
 Acq On : 30 Dec 2021 19:49
 Operator : JC/MD
 Sample : M5234-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-1

Quant Time: Dec 31 05:23:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	874377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1494003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1321508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	429235	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	658345	52.366	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.740%	
35) Dibromofluoromethane	8.021	113	468799	51.861	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.720%	
50) Toluene-d8	10.443	98	1768476	47.891	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.780%	
62) 4-Bromofluorobenzene	12.733	95	614458	46.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.140%	

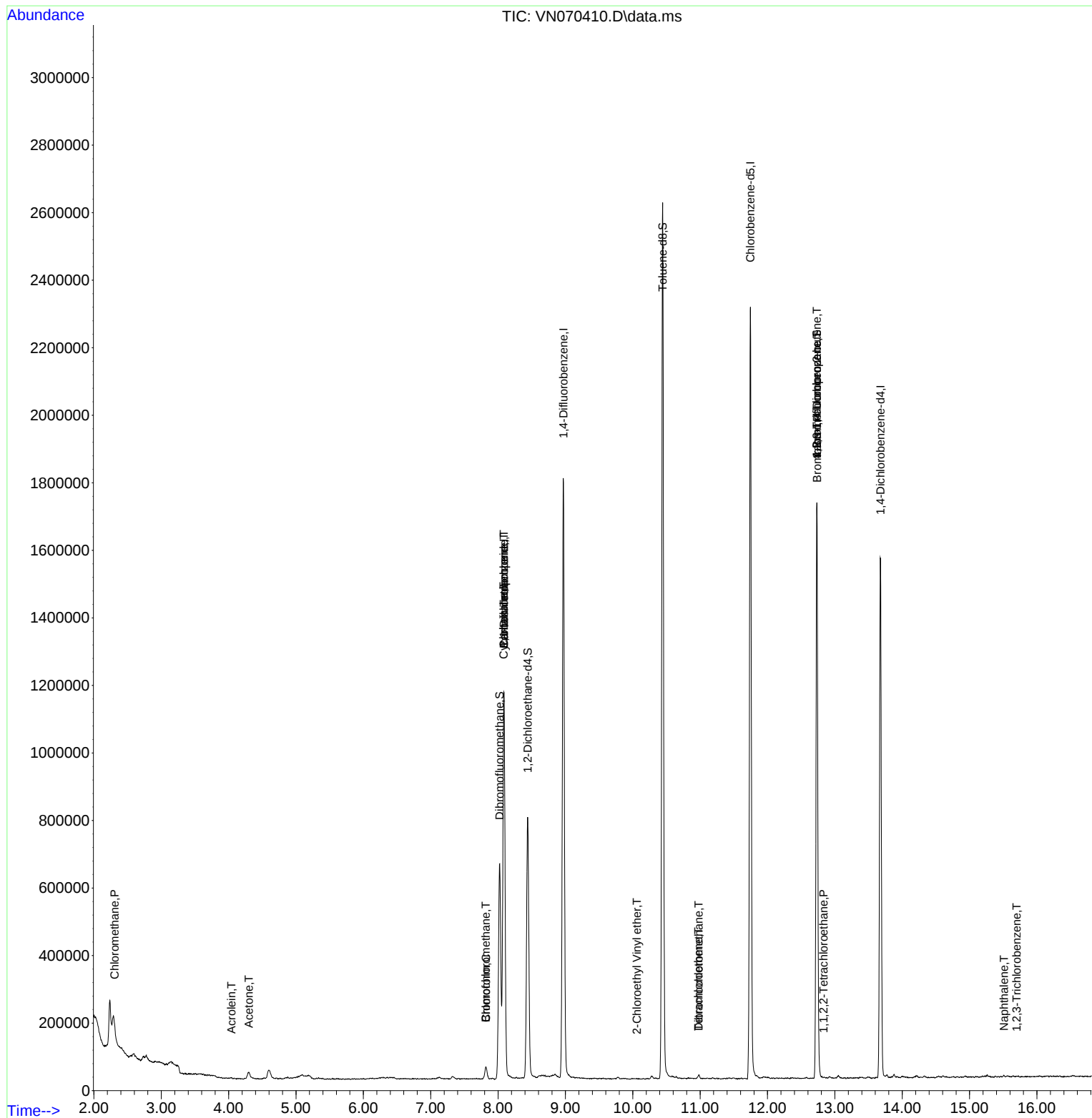
Target Compounds				Qvalue		
3) Chloromethane	2.306	50	5769	0.428	ug/l	92
13) Acrolein	4.041	56	925	0.545	ug/l	85
16) Acetone	4.299	43	29825	3.655	ug/l	100
28) Bromochloromethane	7.817	49	3173	0.318	ug/l #	9
30) Chloroform	7.820	83	34228	1.740	ug/l	98
31) Cyclohexane	8.083	56	20784	1.048	ug/l #	14
36) 1,1-Dichloropropene	8.086	75	72134	4.824	ug/l #	48
38) Carbon Tetrachloride	8.088	117	86672	6.070	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.062	63	120	18.537	ug/l #	45
60) Dibromochloromethane	10.977	129	2409	0.225	ug/l #	11
64) Tetrachloroethene	10.974	164	2870	0.300	ug/l	92
71) Bromoform	12.736	173	5259	0.708	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.833	83	54	0.451	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	323321	26.786	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	323321	92.030	ug/l #	5
95) Naphthalene	15.509	128	3969	1.993	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.700	180	610	0.915	ug/l	98

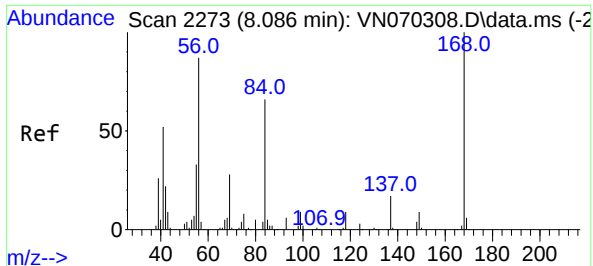
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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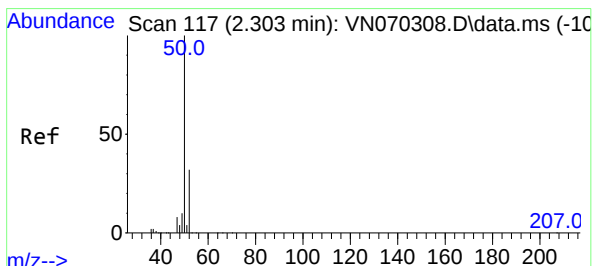
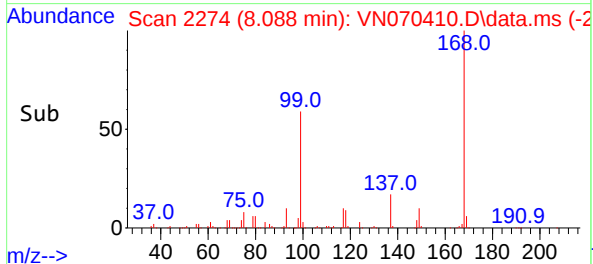
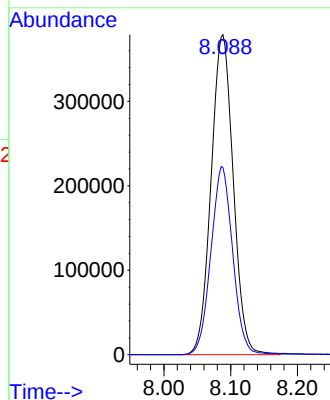
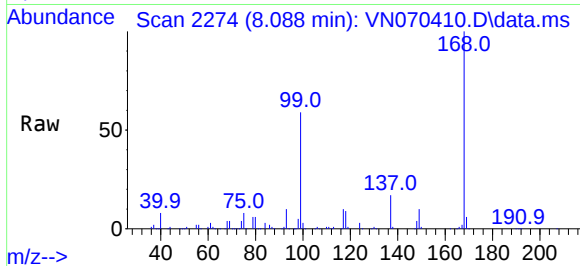




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

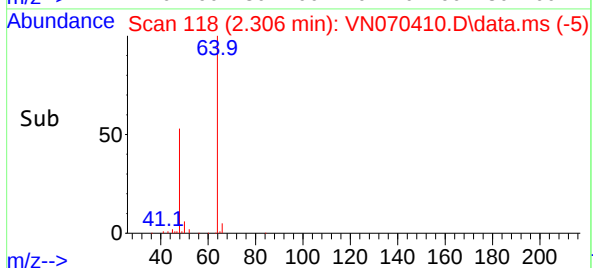
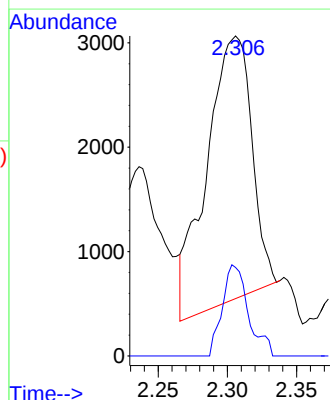
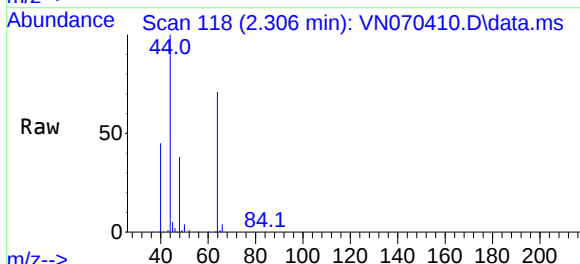
Instrument :
MSVOA_N
ClientSampleId :
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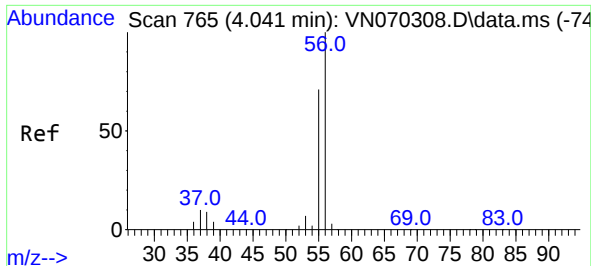
Tgt Ion:168 Resp: 874377
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.428 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 50 Resp: 5769
Ion Ratio Lower Upper
50 100
52 36.2 25.4 38.0

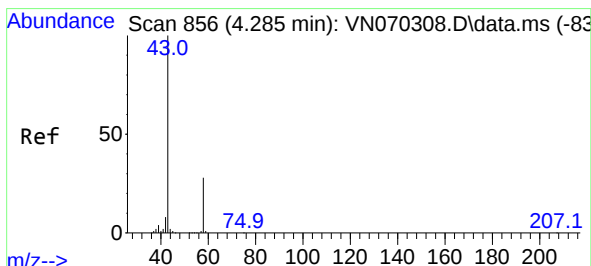
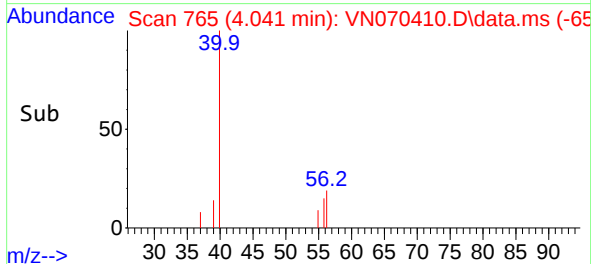
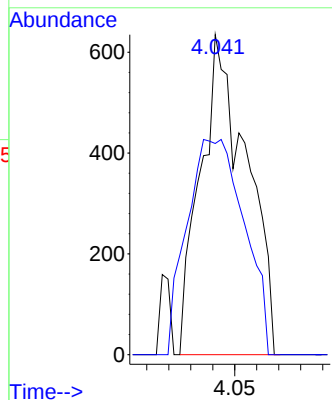
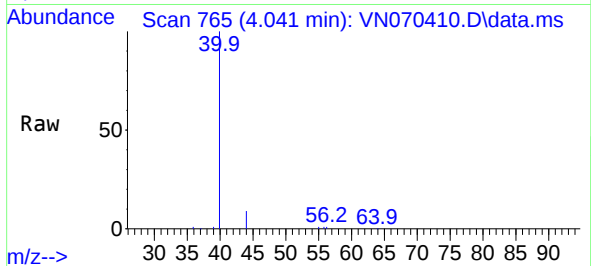




#13
Acrolein
Concen: 0.545 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

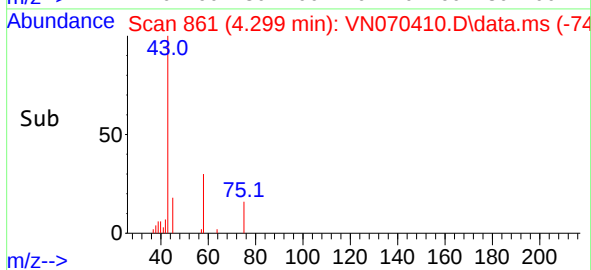
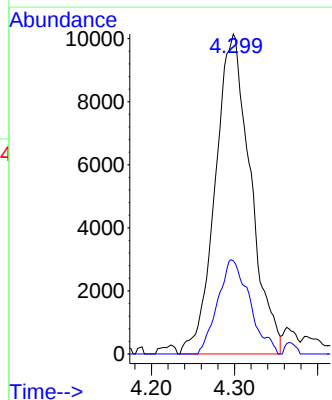
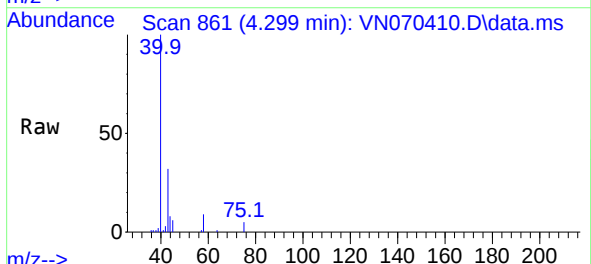
Instrument :
MSVOA_N
ClientSampleId :
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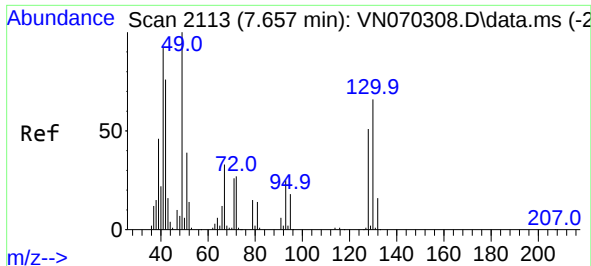
Tgt Ion: 56 Resp: 925
Ion Ratio Lower Upper
56 100
55 83.6 56.6 85.0



#16
Acetone
Concen: 3.655 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 43 Resp: 29825
Ion Ratio Lower Upper
43 100
58 29.1 23.1 34.7

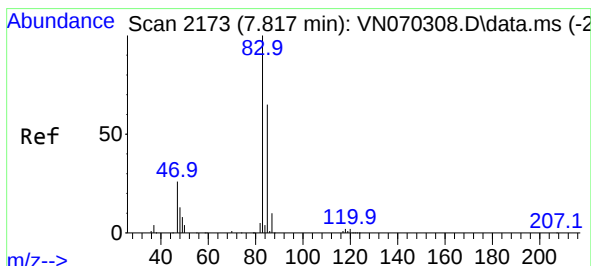
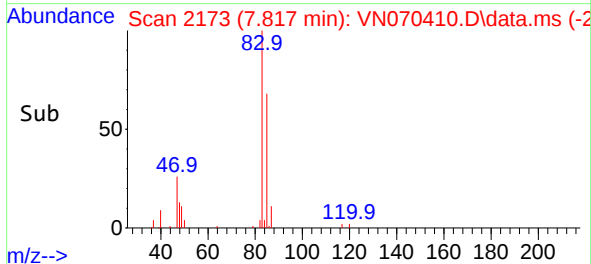
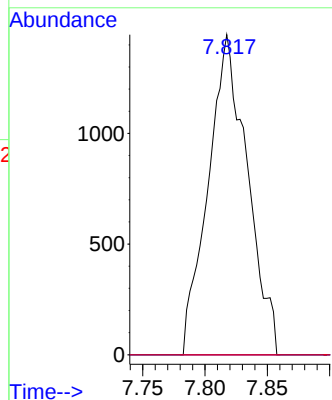
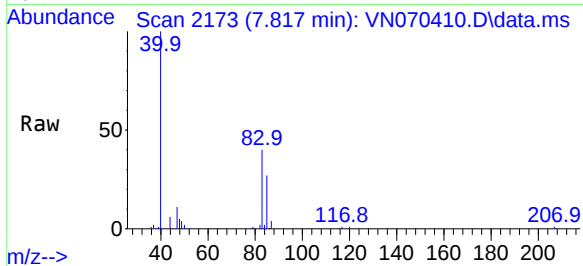




#28
Bromochloromethane
Concen: 0.318 ug/l
RT: 7.817 min Scan# 2113
Delta R.T. 0.160 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

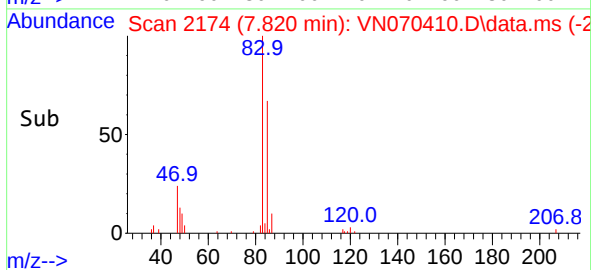
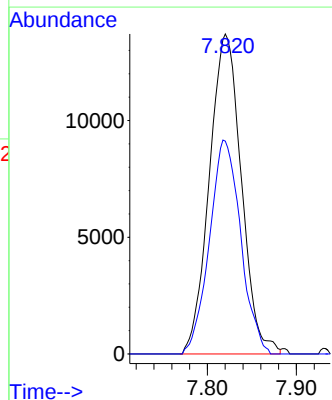
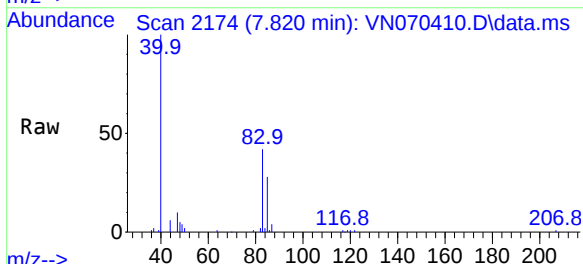
Instrument :
MSVOA_N
ClientSampleId :
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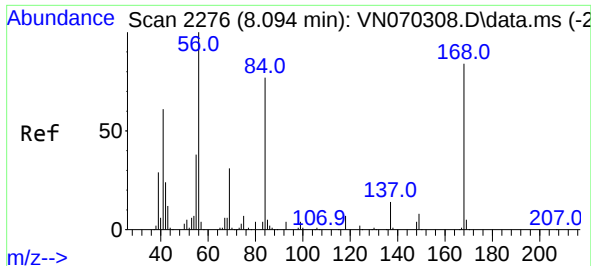
Tgt Ion: 49 Resp: 3173
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 67.8 101.8#



#30
Chloroform
Concen: 1.740 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.003 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 83 Resp: 34228
Ion Ratio Lower Upper
83 100
85 66.5 51.9 77.9

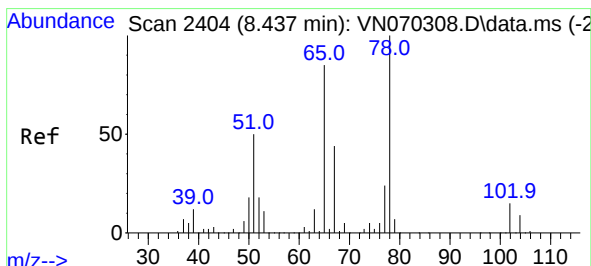
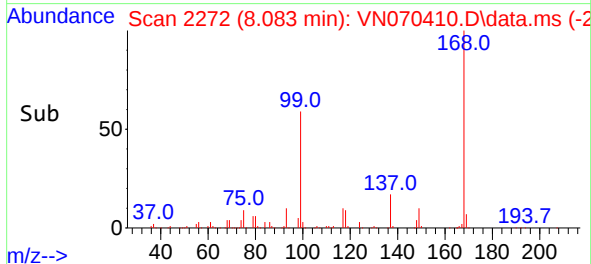
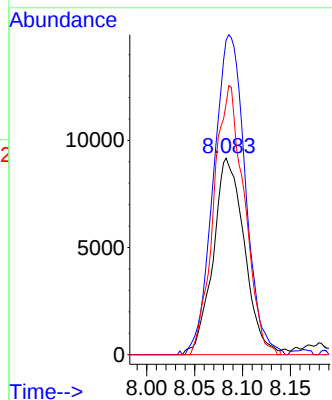
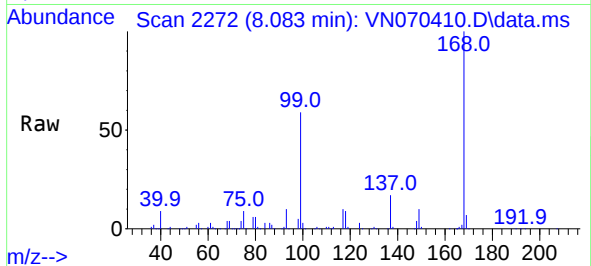




#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

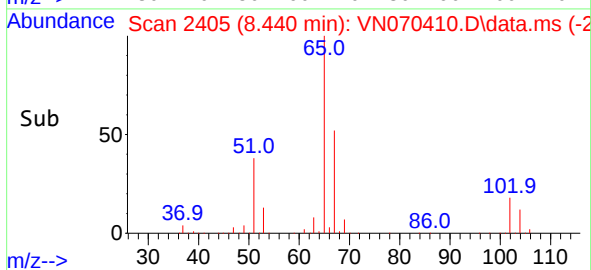
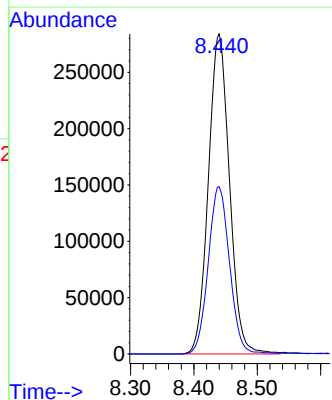
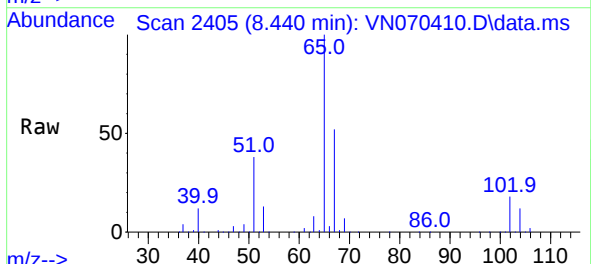
Instrument :
MSVOA_N
ClientSampleId :
P-1

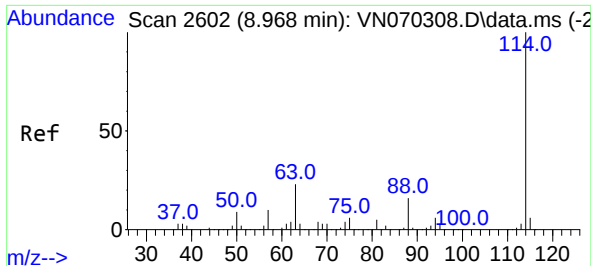
Tgt Ion: 56 Resp: 20784
Ion Ratio Lower Upper
56 100
69 158.2 27.1 40.7#
84 127.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.366 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 65 Resp: 658345
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN070410.D

Acq: 30 Dec 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

P-1

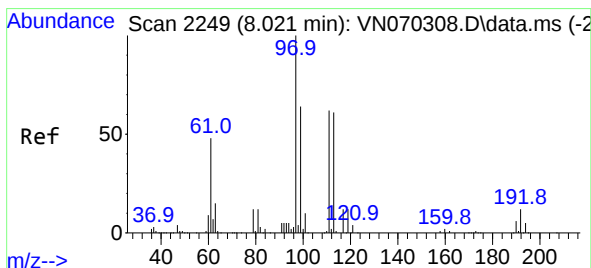
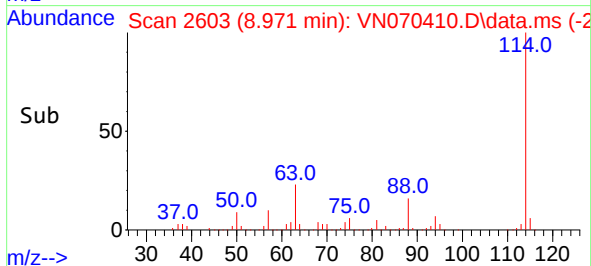
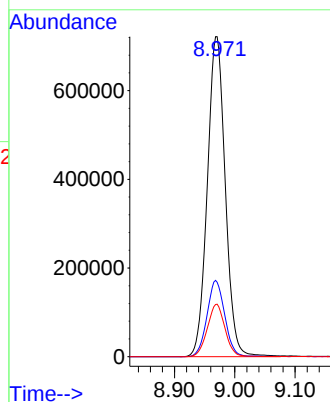
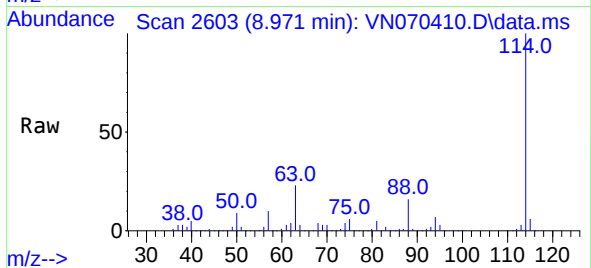
Tgt Ion:114 Resp: 1494003

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.861 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070410.D

Acq: 30 Dec 2021 19:49

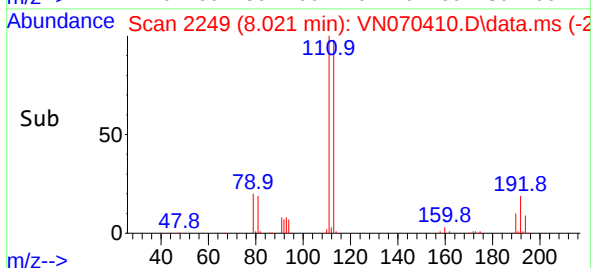
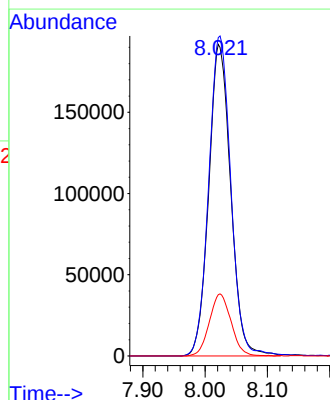
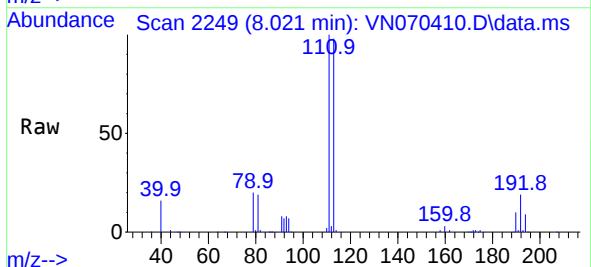
Tgt Ion:113 Resp: 468799

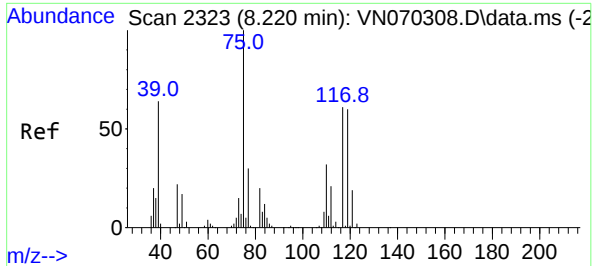
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 19.7 16.9 25.3

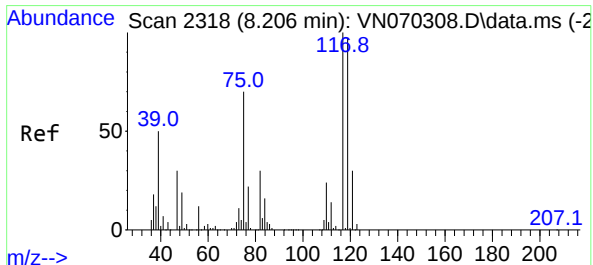
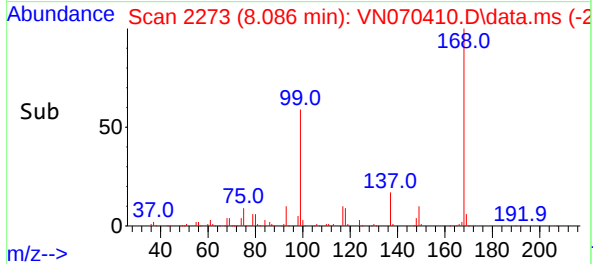
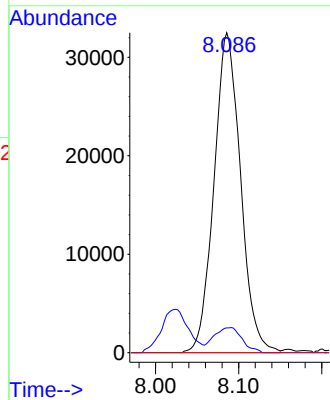
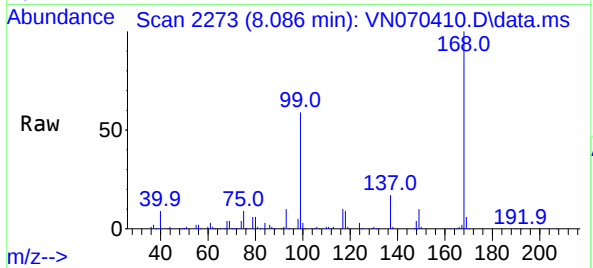




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

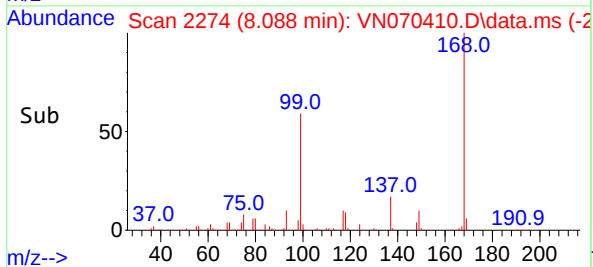
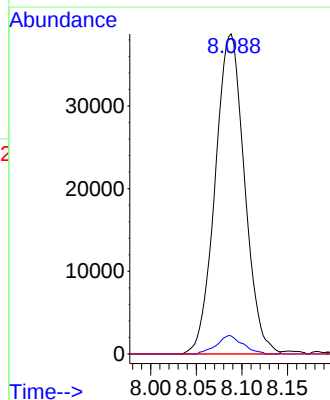
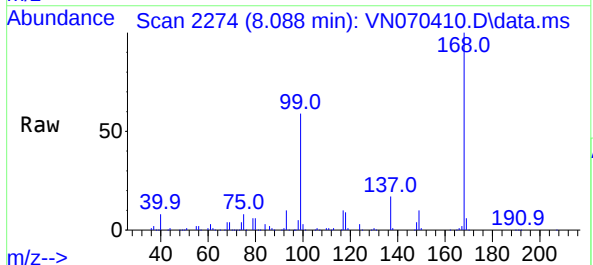
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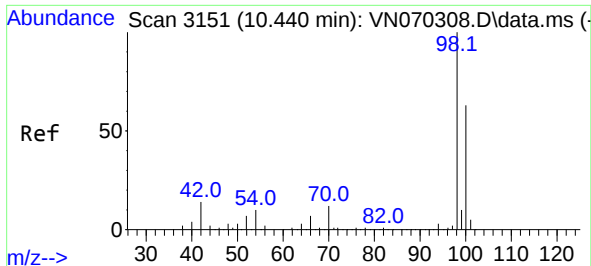
Tgt Ion: 75 Resp: 72134
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 117 Resp: 86672
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#

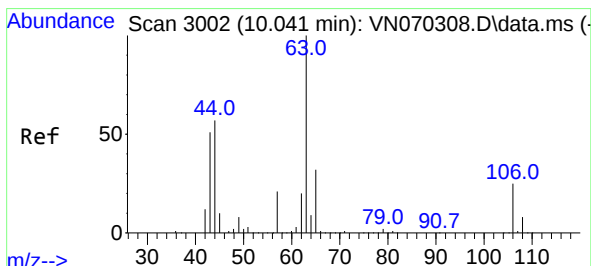
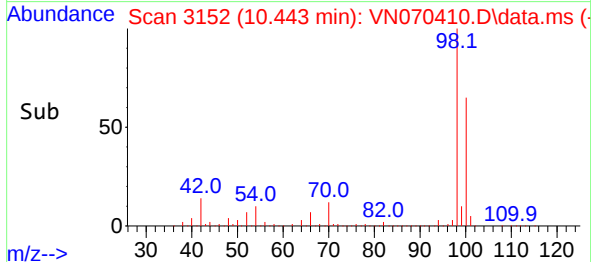
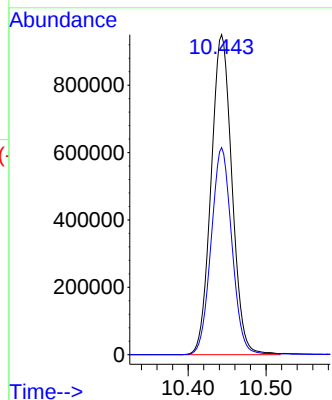
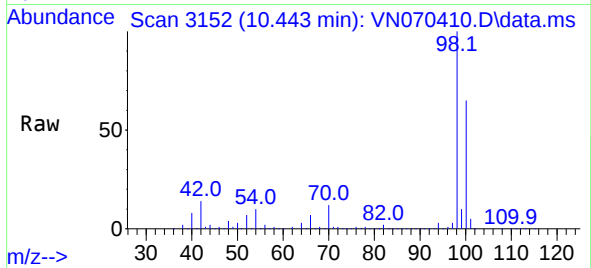




#50
Toluene-d8
Concen: 47.891 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

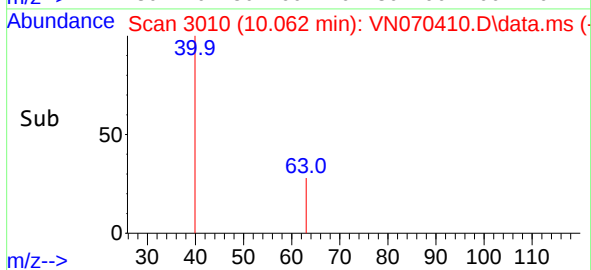
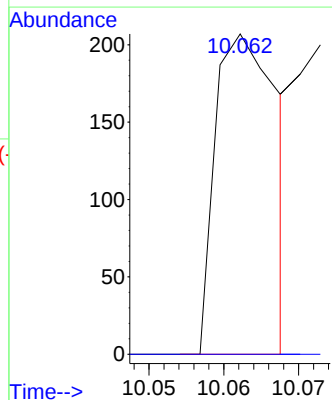
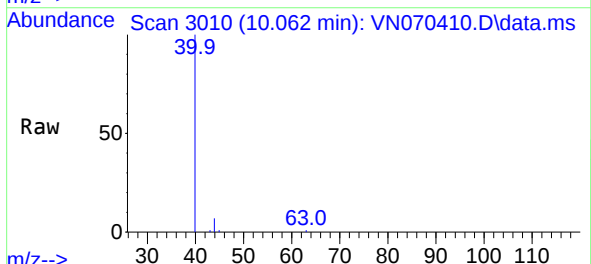
Instrument :
MSVOA_N
ClientSampleId :
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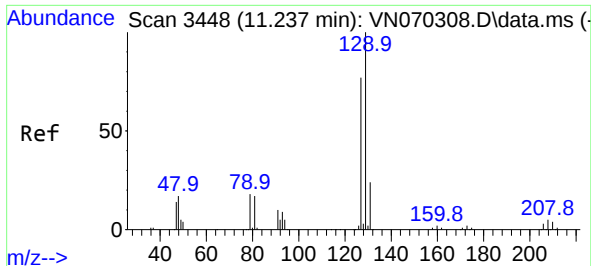
Tgt Ion: 98 Resp: 1768476
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.537 ug/l
RT: 10.062 min Scan# 3010
Delta R.T. 0.021 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 63 Resp: 120
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

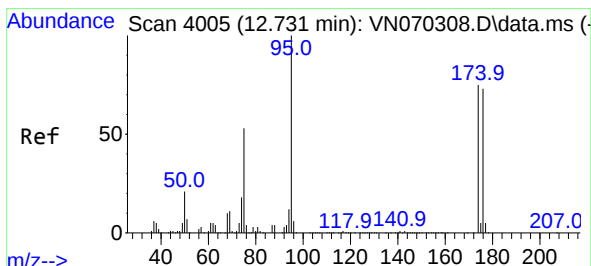
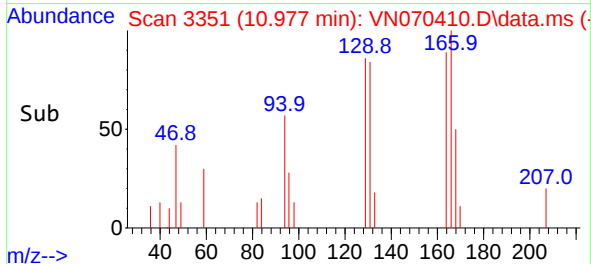
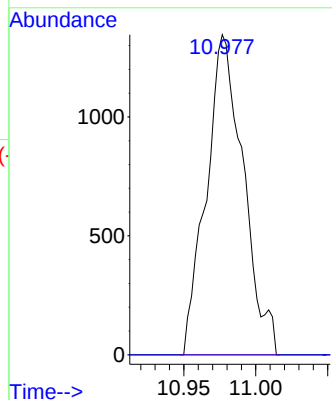
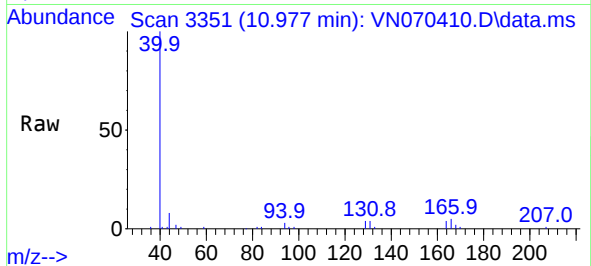




#60
Dibromochloromethane
Concen: 0.225 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.260 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

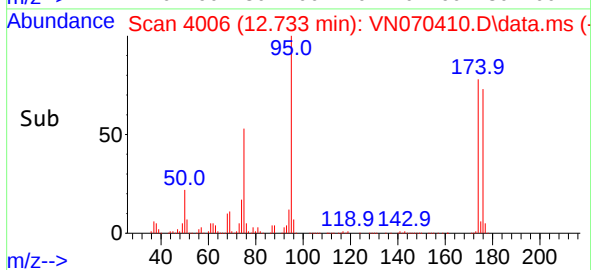
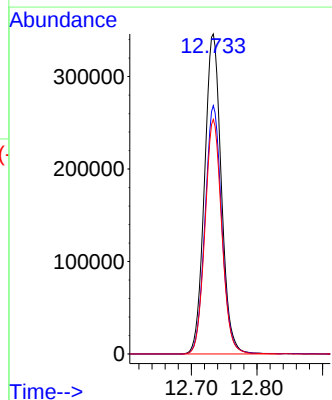
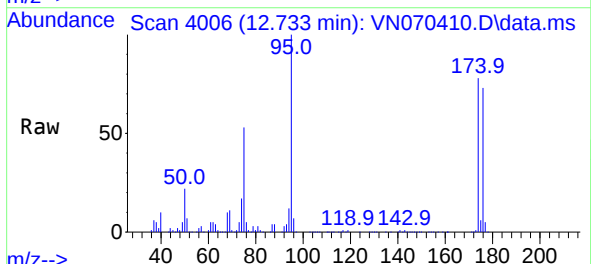
Instrument :
MSVOA_N
ClientSampleId :
P-1

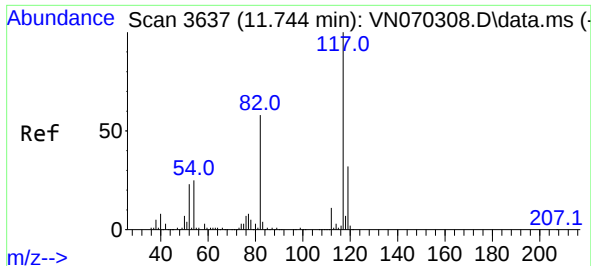
Tgt Ion:129 Resp: 2409
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.071 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 95 Resp: 614458
Ion Ratio Lower Upper
95 100
174 77.5 0.0 187.2
176 73.3 0.0 181.4

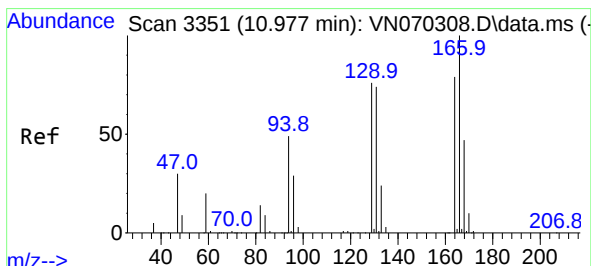
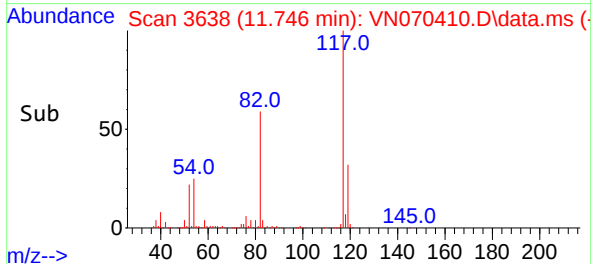
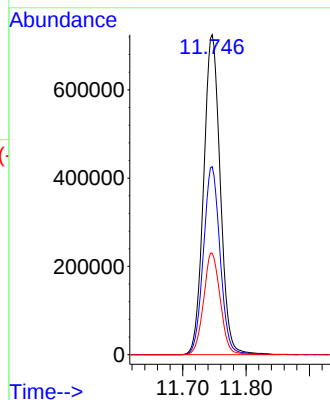
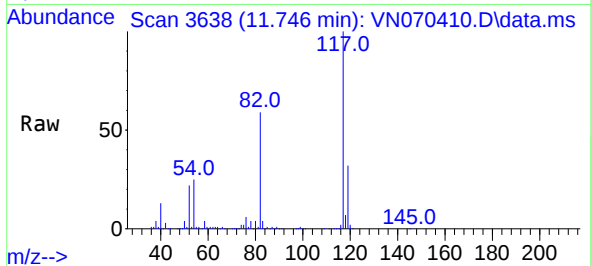




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3637
Delta R.T. 0.002 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

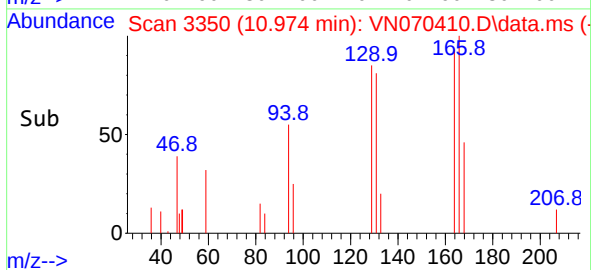
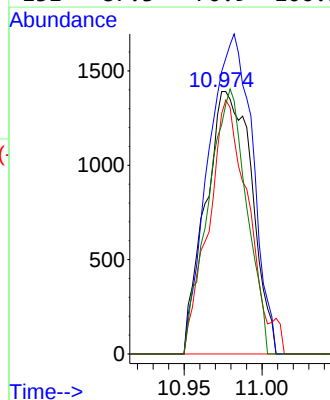
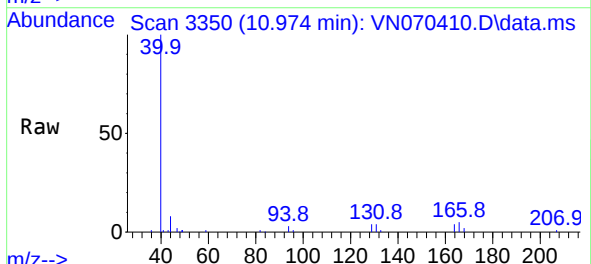
Instrument :
MSVOA_N
ClientSampleId :
P-1

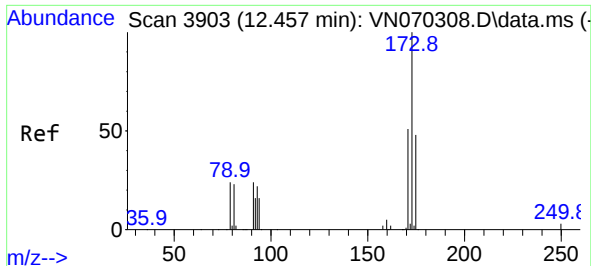
Tgt Ion:117 Resp: 1321508
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.300 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.003 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion:164 Resp: 2870
Ion Ratio Lower Upper
164 100
166 107.6 101.9 152.9
129 91.6 72.0 108.0
131 87.3 70.9 106.3

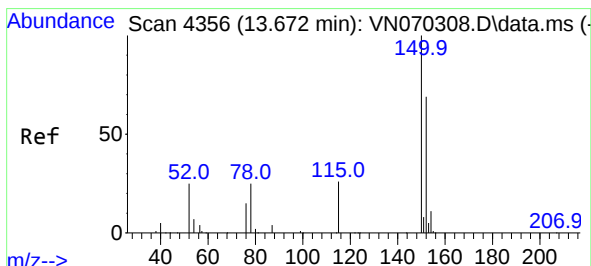
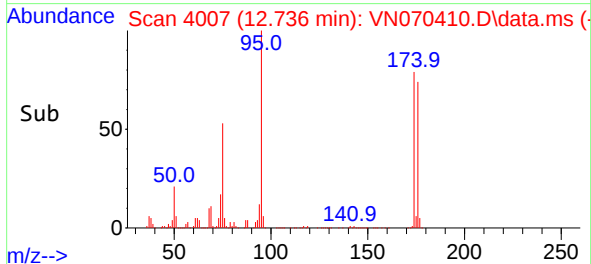
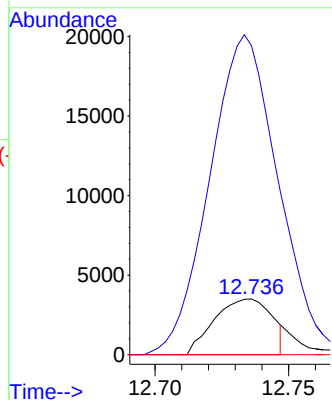
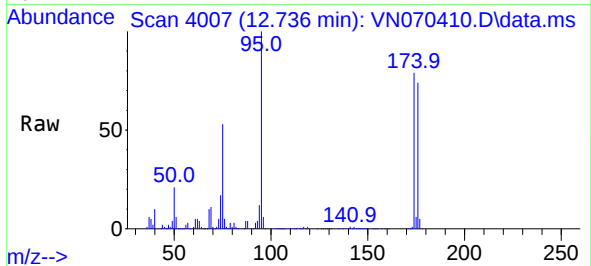




#71
Bromoform
Concen: 0.708 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.279 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

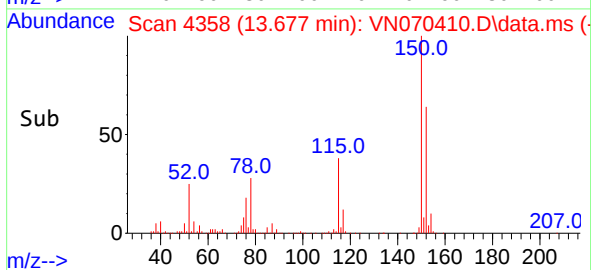
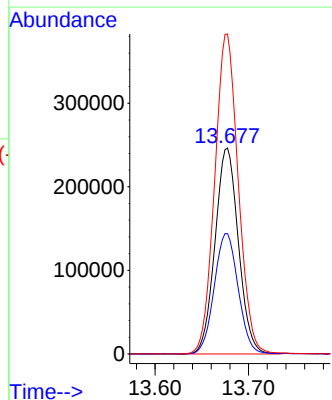
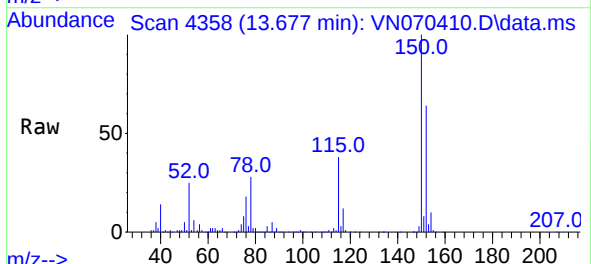
Instrument :
MSVOA_N
ClientSampleId :
P-1

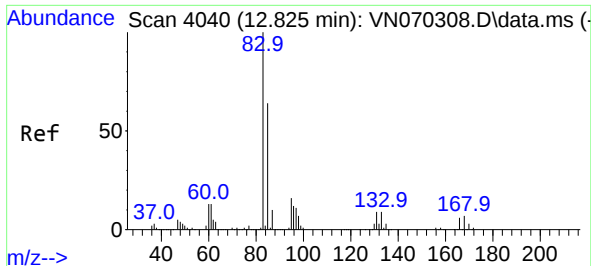
Tgt Ion:173 Resp: 5259
Ion Ratio Lower Upper
173 100
175 600.6 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.005 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion:152 Resp: 429235
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 157.0 0.0 344.4

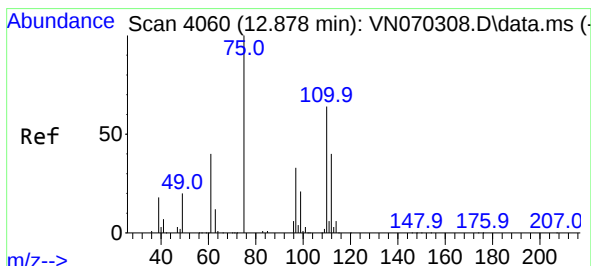
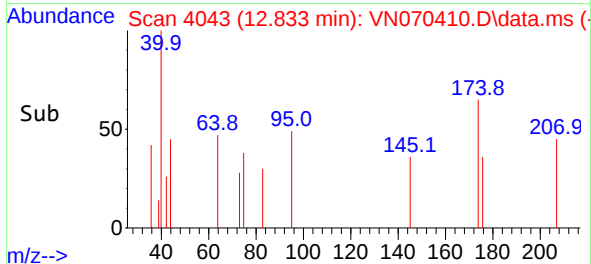
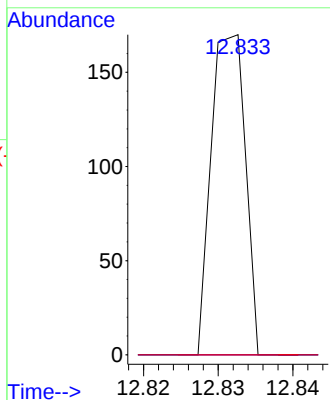
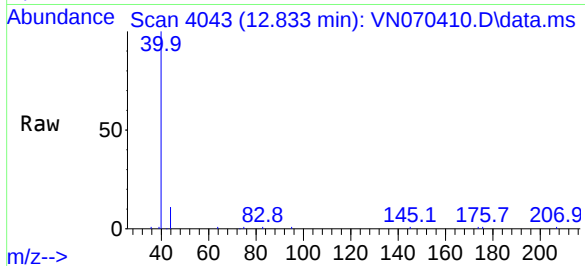




#75
1,1,2,2-Tetrachloroethane
Concen: 0.451 ug/l
RT: 12.833 min Scan# 4040
Delta R.T. 0.008 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

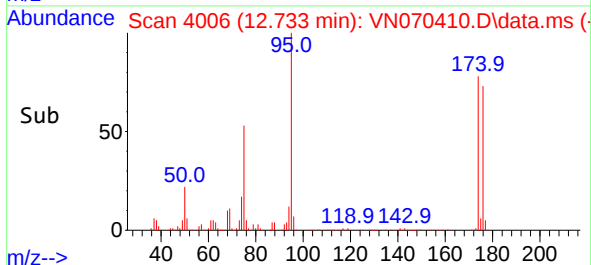
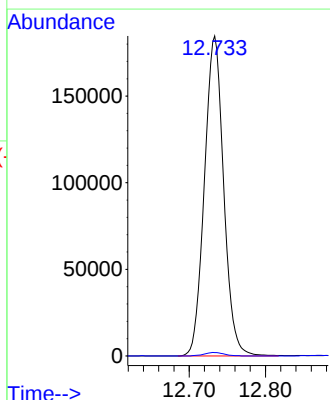
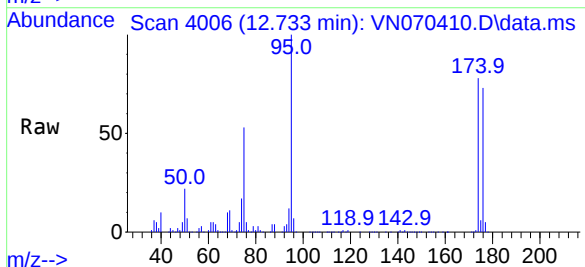
Instrument :
MSVOA_N
ClientSampleId :
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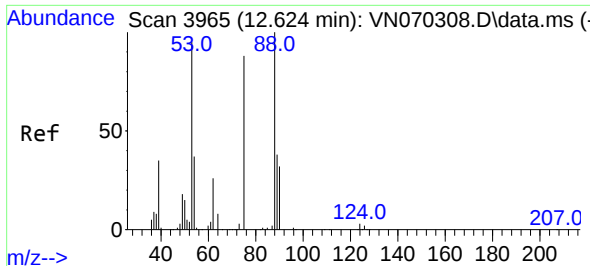
Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.786 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

Tgt Ion: 75 Resp: 323321
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

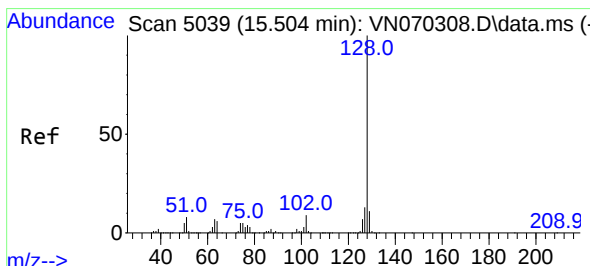
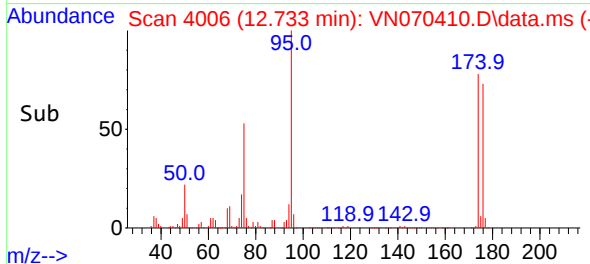
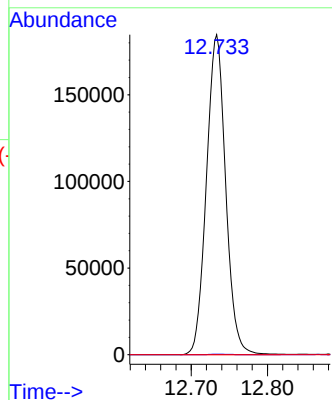
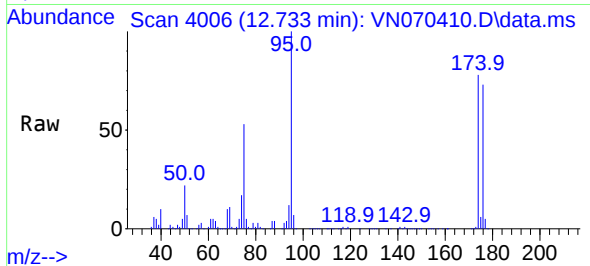




#81
trans-1,4-Dichloro-2-butene
Concen: 92.030 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

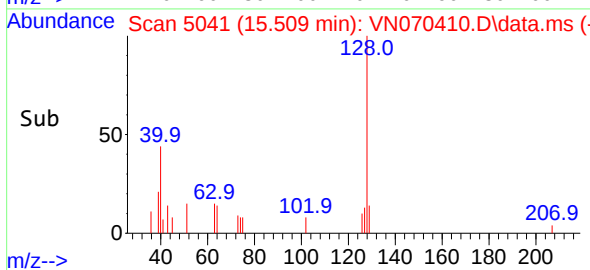
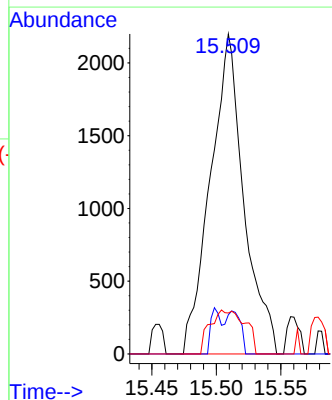
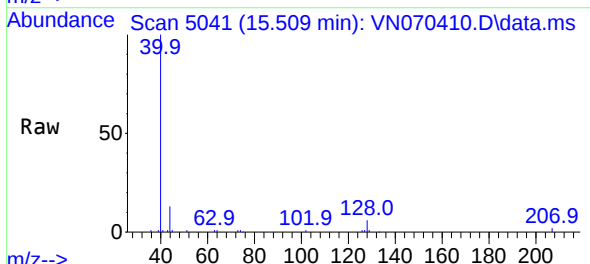
Instrument :
MSVOA_N
ClientSampleId :
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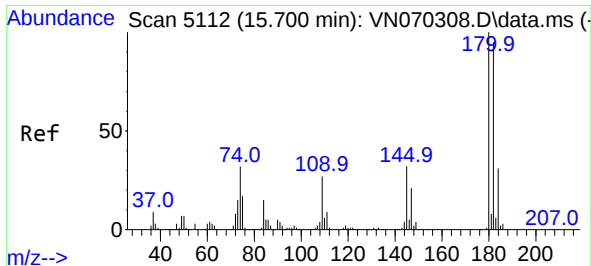
Tgt Ion: 75 Resp: 323321
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.993 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070410.D
Acq: 30 Dec 2021 19:49

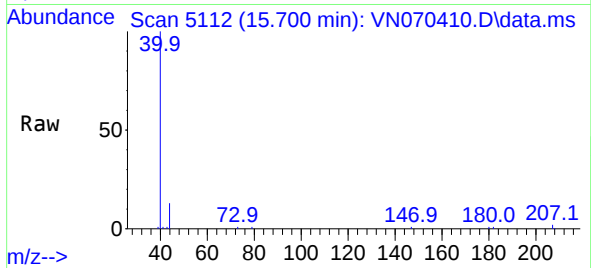
Tgt Ion: 128 Resp: 3969
Ion Ratio Lower Upper
128 100
127 5.2 10.5 15.7#
129 14.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.915 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070410.D
 Acq: 30 Dec 2021 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:	180	Resp:	610
Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.2
145	32.6	15.0	45.1

