

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011122\
 Data File : VN070560.D
 Acq On : 11 Jan 2022 10:47
 Operator : JC/MD
 Sample : VN0111MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 05:57:19 2022
 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	8.083	168	1080447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2087990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	2472156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	997735	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	749818	48.267	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.540%
35) Dibromofluoromethane	8.019	113	597104	47.264	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.520%
50) Toluene-d8	10.438	98	2768160	53.638	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.280%
62) 4-Bromofluorobenzene	12.728	95	1211786	65.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	130.020%

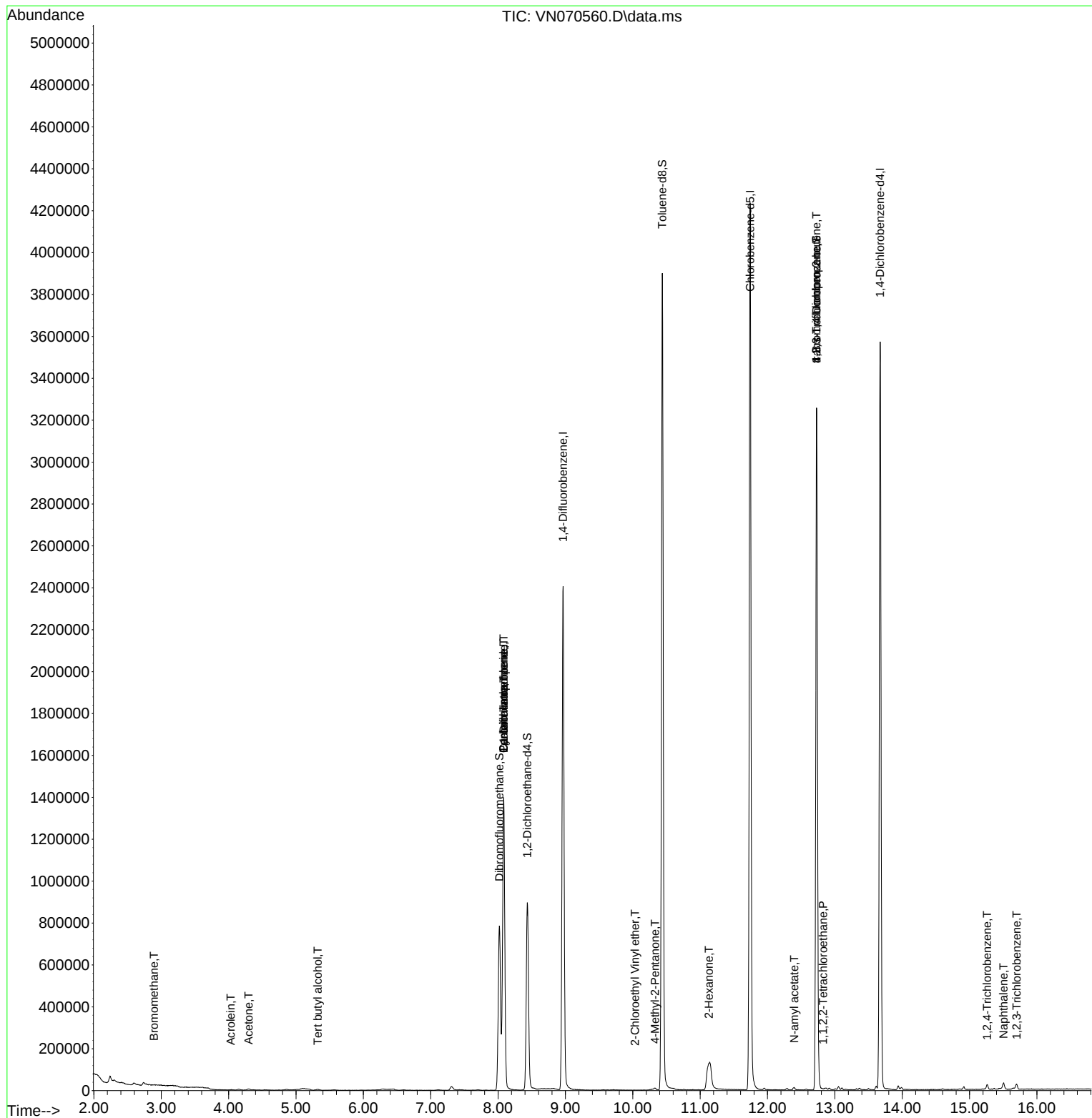
Target Compounds					Qvalue	
5) Bromomethane	2.891	94	1809	0.231	ug/l #	67
11) Tert butyl alcohol	5.321	59	3635	1.405	ug/l #	71
13) Acrolein	4.030	56	610	0.291	ug/l #	29
16) Acetone	4.296	43	7206	0.715	ug/l	98
31) Cyclohexane	8.083	56	22571	0.921	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	85484	4.090	ug/l #	48
38) Carbon Tetrachloride	8.083	117	104021	5.212	ug/l #	17
51) 4-Methyl-2-Pentanone	10.330	43	5580	0.208	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	27	18.517	ug/l #	45
59) 2-Hexanone	11.130	43	51844	2.649	ug/l #	25
74) N-amyl acetate	12.396	43	7944	0.204	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.825	83	1601	0.494	ug/l #	88
76) 1,2,3-Trichloropropane	12.728	75	618833	22.539	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	618833	75.779	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	8494	0.516	ug/l	99
95) Naphthalene	15.504	128	30630	2.446	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	9541	1.422	ug/l	96

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

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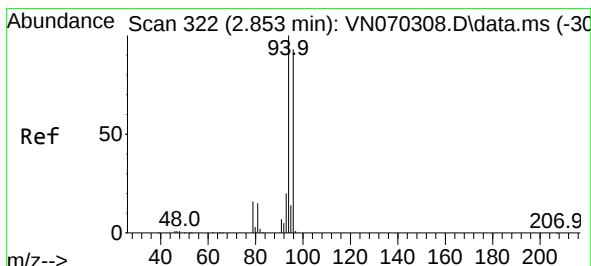
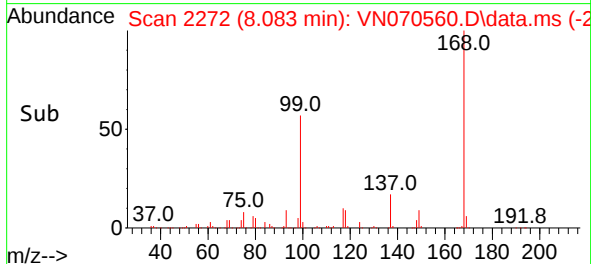
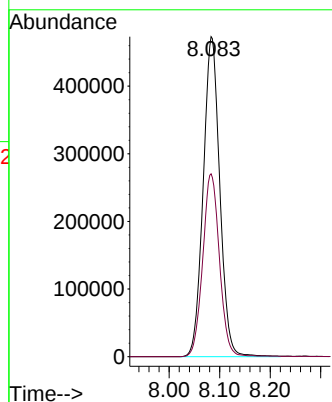
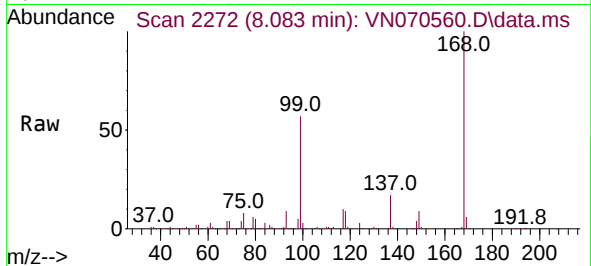




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

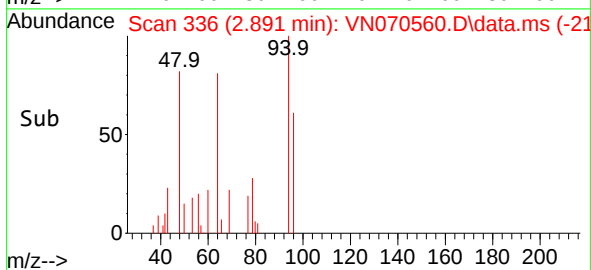
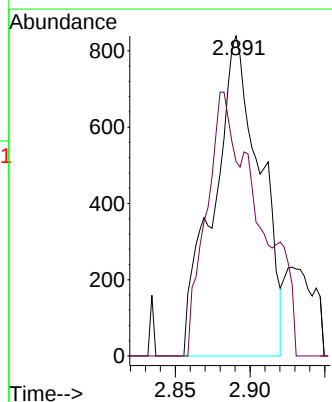
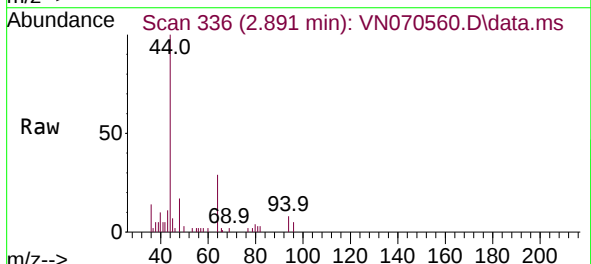
Instrument :
MSVOA_N
ClientSampleId :

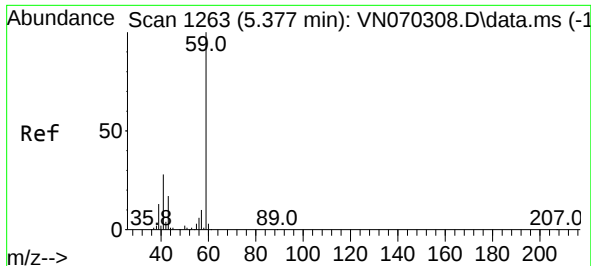
Tgt Ion:168 Resp: 1080447
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.891 min Scan# 336
Delta R.T. 0.038 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 94 Resp: 1809
Ion Ratio Lower Upper
94 100
96 60.8 73.8 110.8#

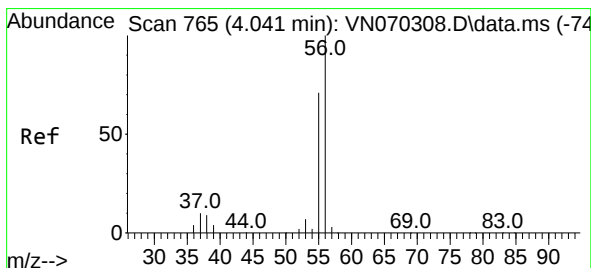
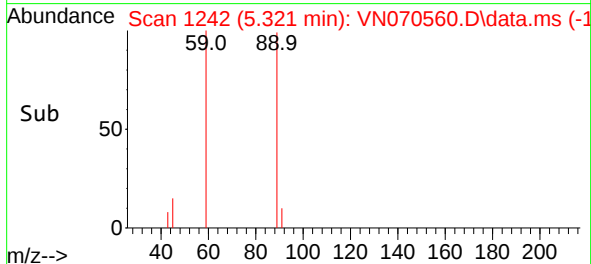
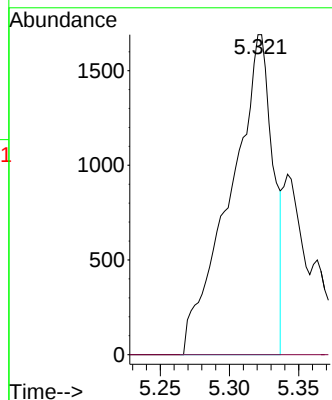
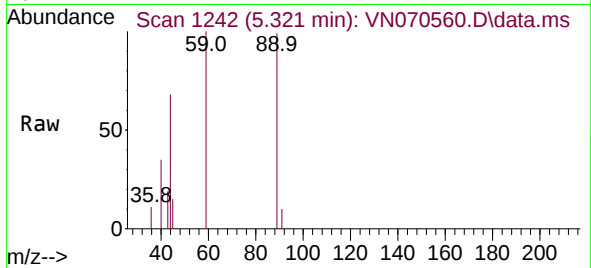




#11
Tert butyl alcohol
Concen: 1.405 ug/l
RT: 5.321 min Scan# 11
Delta R.T. -0.056 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

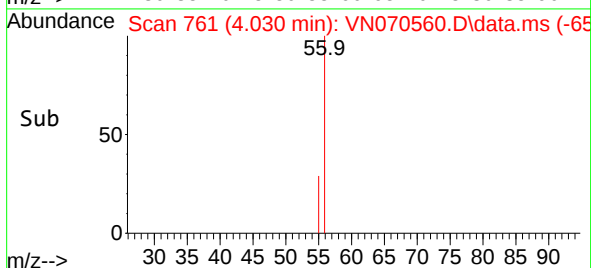
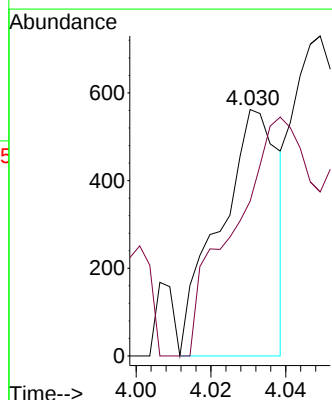
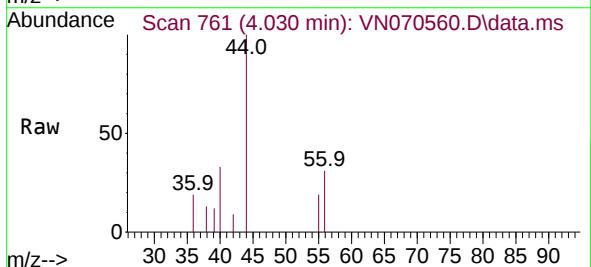
Instrument :
MSVOA_N
ClientSampleId :

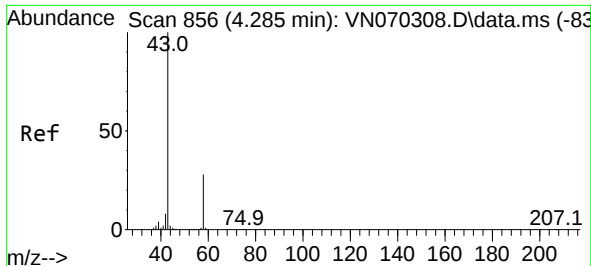
Tgt Ion: 59 Resp: 3635
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.291 ug/l
RT: 4.030 min Scan# 761
Delta R.T. -0.011 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 56 Resp: 610
Ion Ratio Lower Upper
56 100
55 129.0 56.6 85.0#

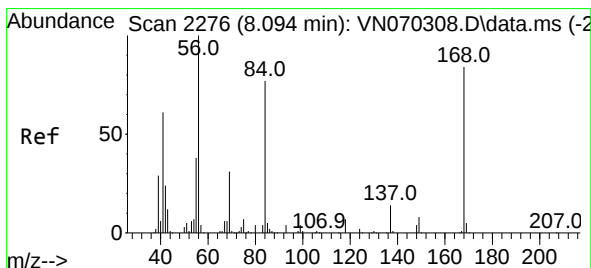
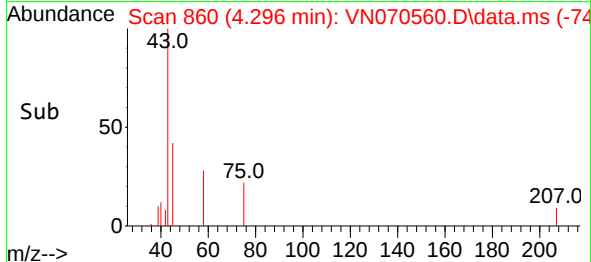
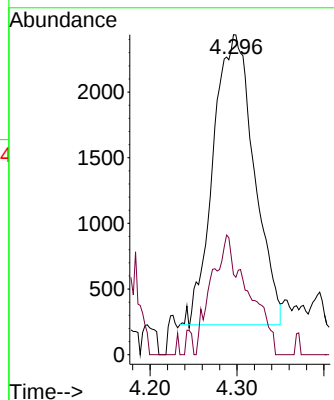
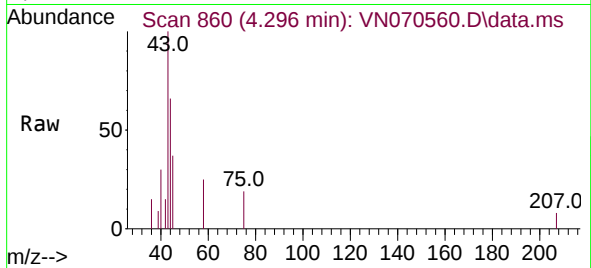




#16
Acetone
Concen: 0.715 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

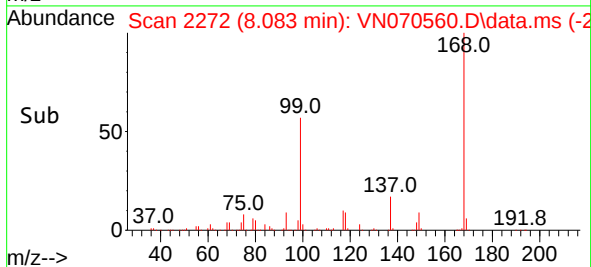
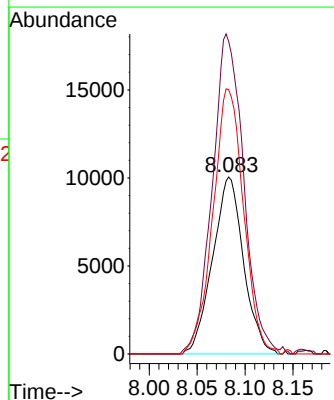
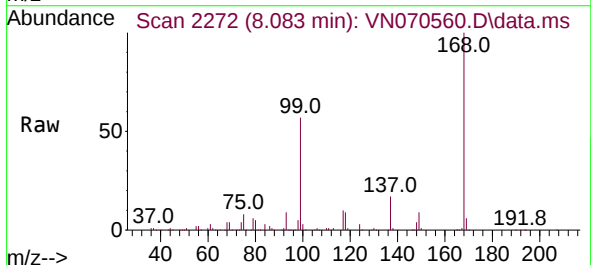
Instrument :
MSVOA_N
ClientSampleId :

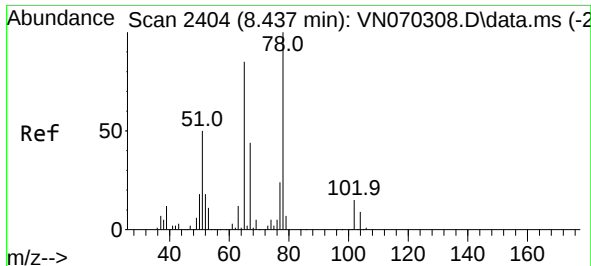
Tgt Ion: 43 Resp: 7206
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7



#31
Cyclohexane
Concen: 0.921 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 56 Resp: 22571
Ion Ratio Lower Upper
56 100
69 176.7 27.1 40.7#
84 149.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.267 ug/l

RT: 8.434 min Scan# 2404

Delta R.T. -0.003 min

Lab File: VN070560.D

Acq: 11 Jan 2022 10:47

Instrument :

MSVOA_N

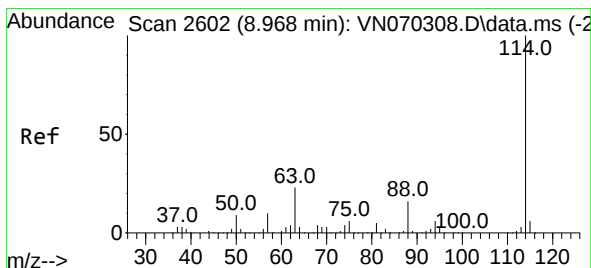
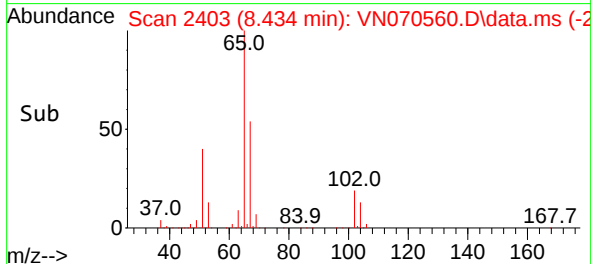
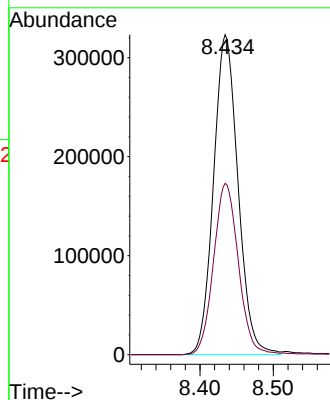
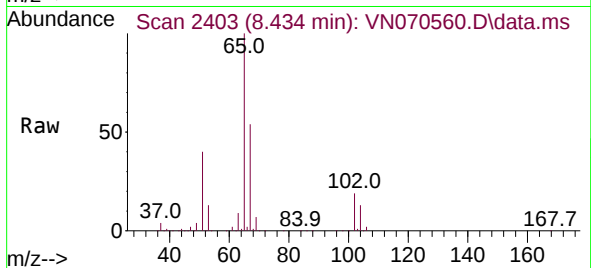
ClientSampleId :

Tgt Ion: 65 Resp: 749818

Ion Ratio Lower Upper

65 100

67 54.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070560.D

Acq: 11 Jan 2022 10:47

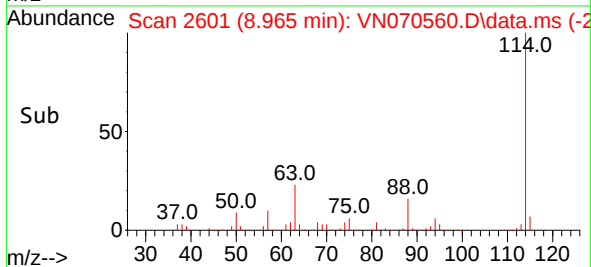
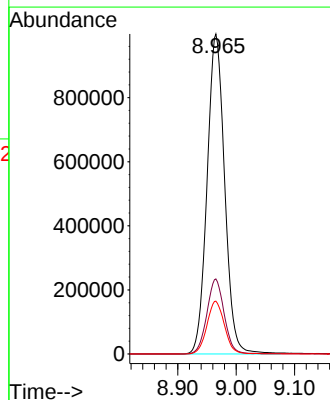
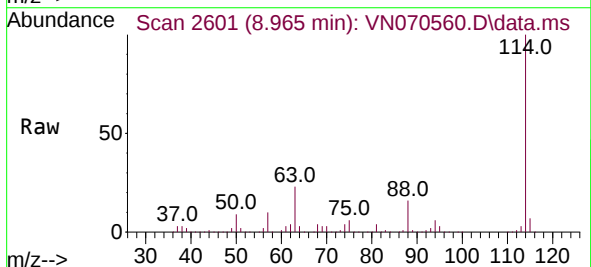
Tgt Ion: 114 Resp: 2087990

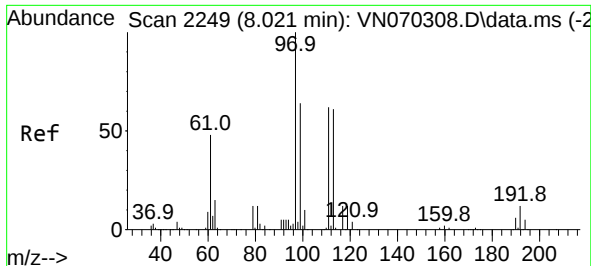
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.5 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.264 ug/l

RT: 8.019 min Scan# 21

Delta R.T. -0.002 min

Lab File: VN070560.D

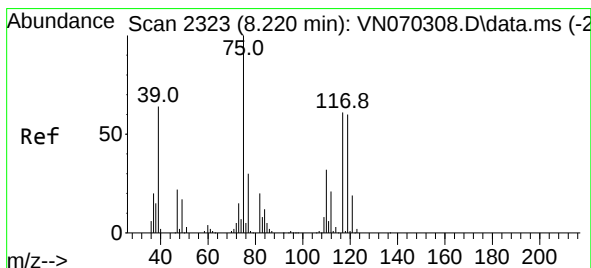
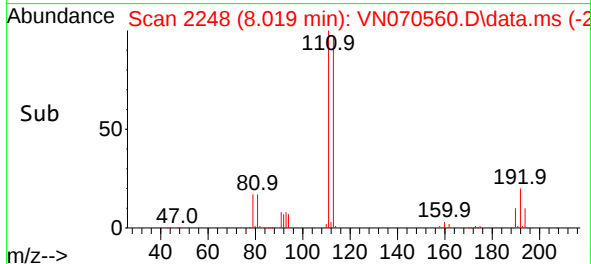
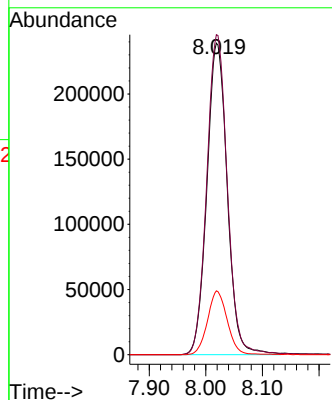
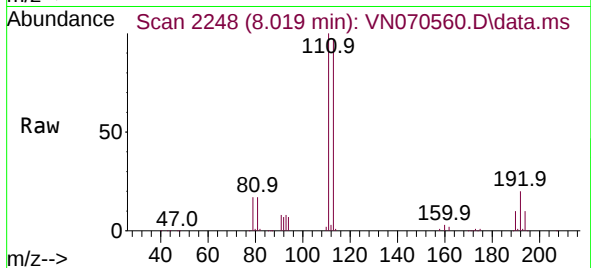
Acq: 11 Jan 2022 10:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	597104
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	19.7	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.090 ug/l

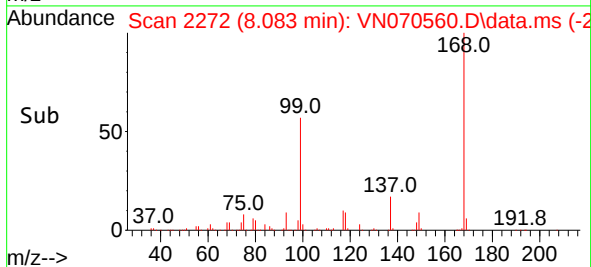
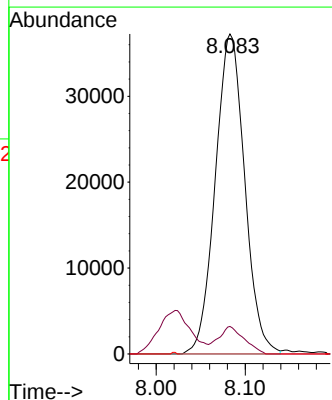
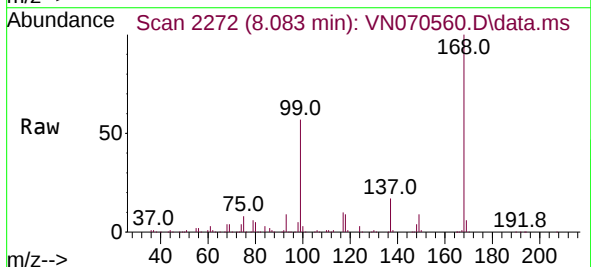
RT: 8.083 min Scan# 2272

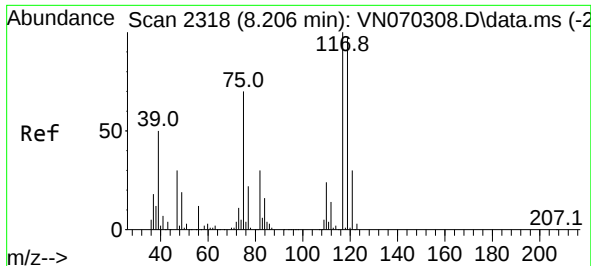
Delta R.T. -0.137 min

Lab File: VN070560.D

Acq: 11 Jan 2022 10:47

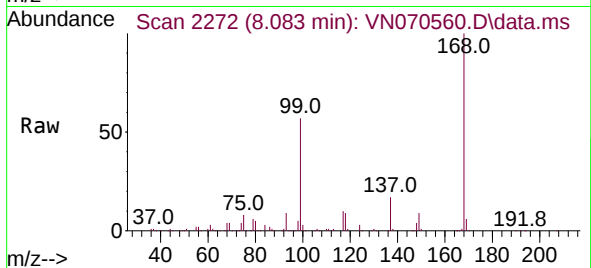
Tgt Ion:	75	Resp:	85484
Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.4	55.2#
77	0.0	24.4	36.6#



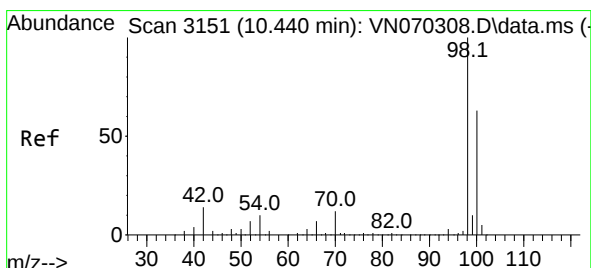
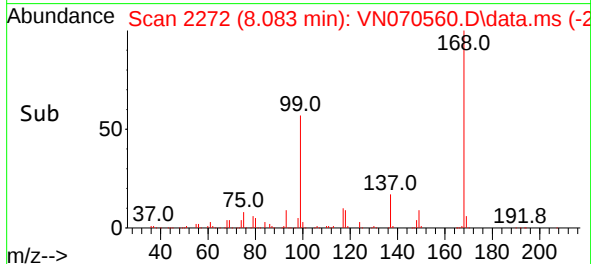
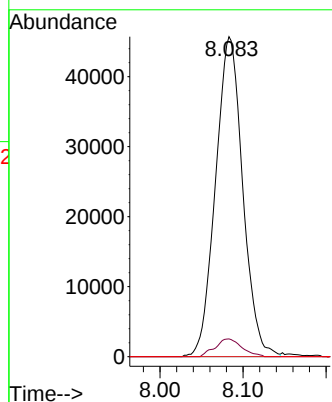


#38
Carbon Tetrachloride
Concen: 5.212 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Instrument :
MSVOA_N
ClientSampleId :

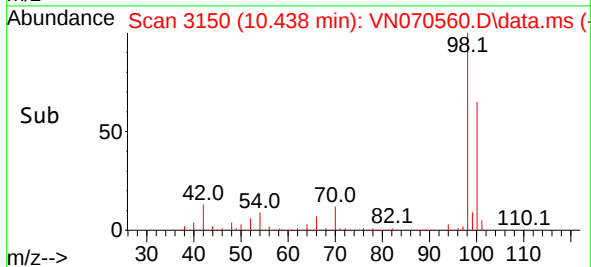
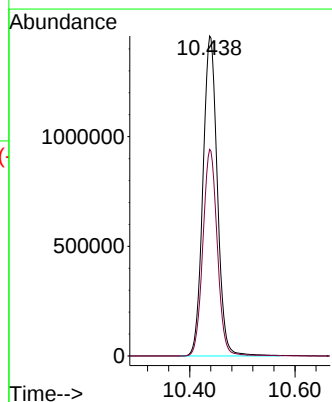
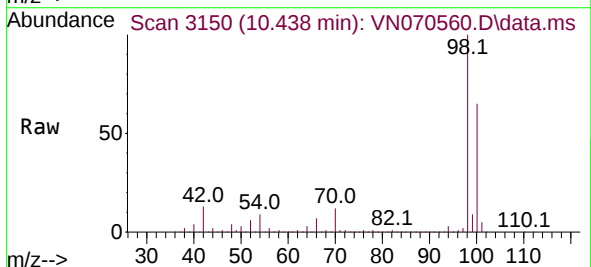


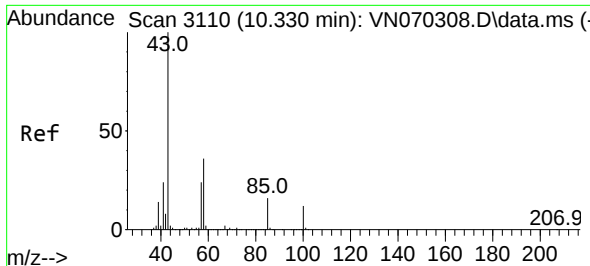
Tgt Ion:117 Resp: 104021
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.638 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 98 Resp: 2768160
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

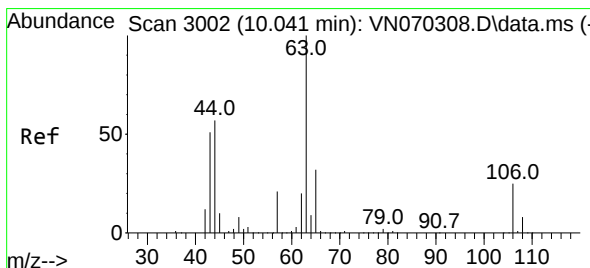
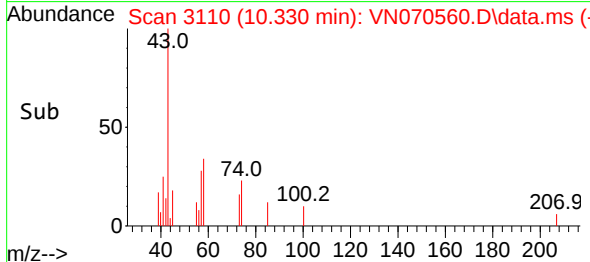
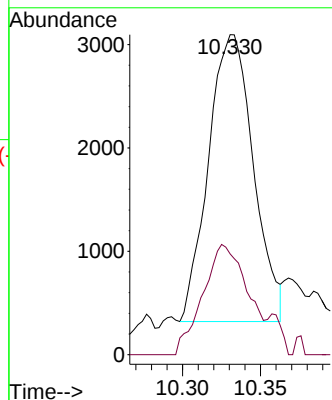
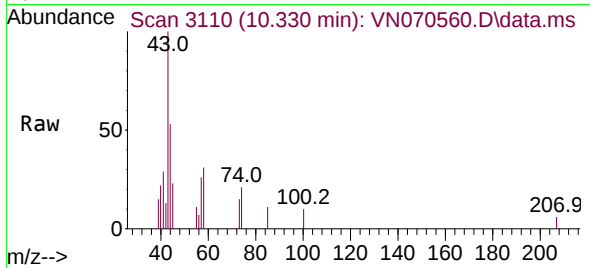




#51
4-Methyl-2-Pentanone
Concen: 0.208 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

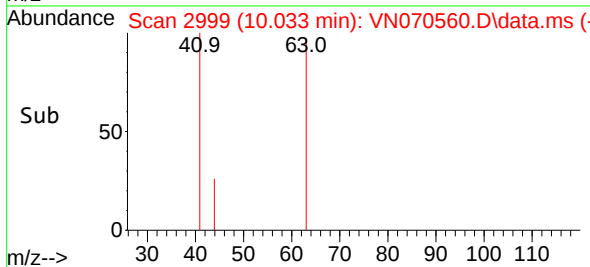
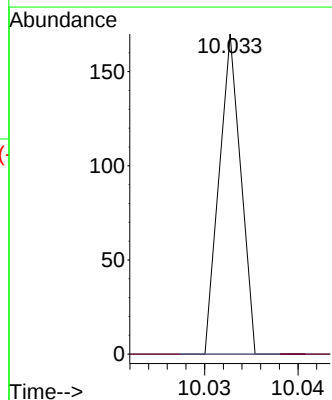
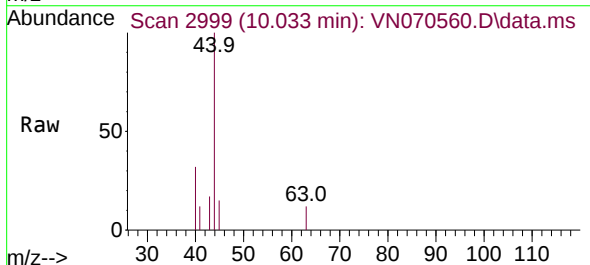
Instrument :
MSVOA_N
ClientSampleId :

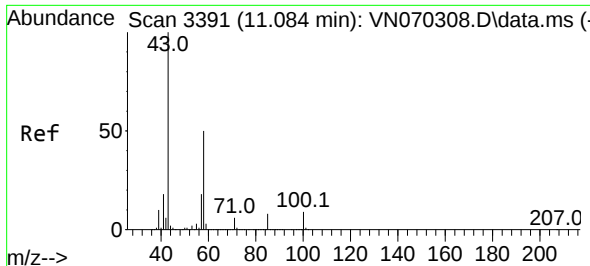
Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.517 ug/l
RT: 10.033 min Scan# 2999
Delta R.T. -0.008 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

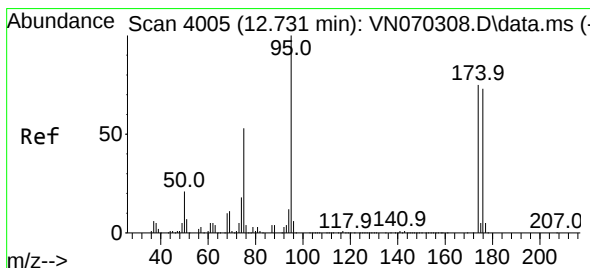
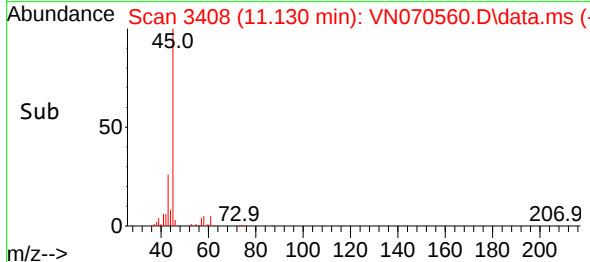
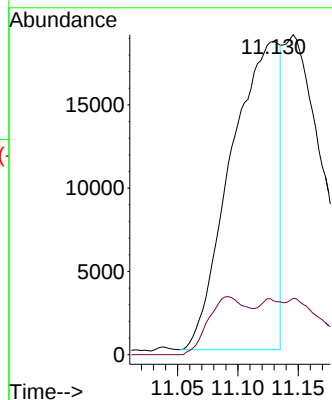
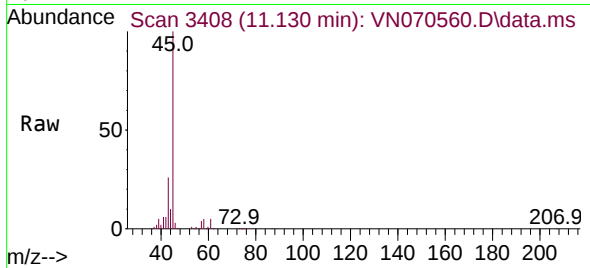




#59
2-Hexanone
Concen: 2.649 ug/l
RT: 11.130 min Scan# 34
Delta R.T. 0.046 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

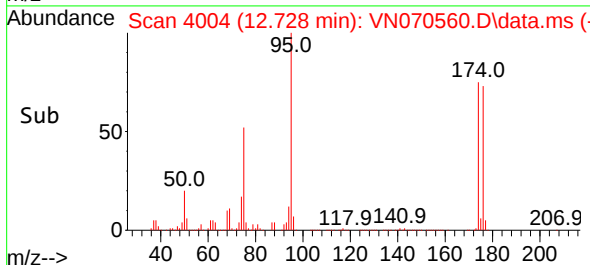
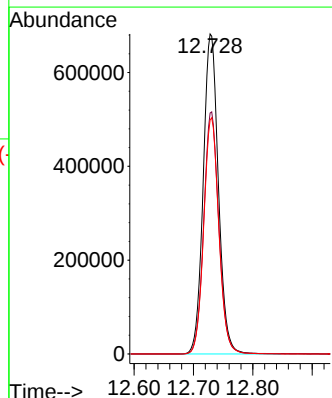
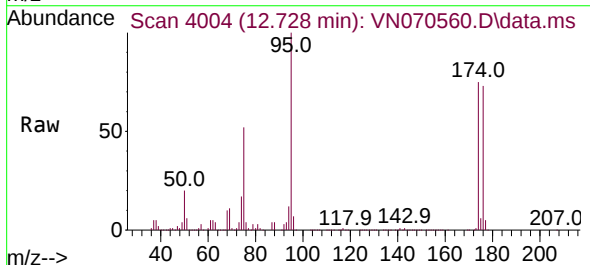
Instrument :
MSVOA_N
ClientSampleId :

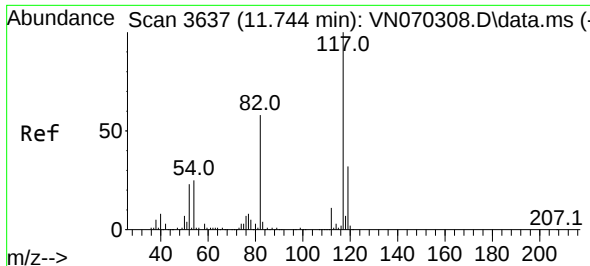
Tgt Ion: 43 Resp: 51844
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 65.010 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

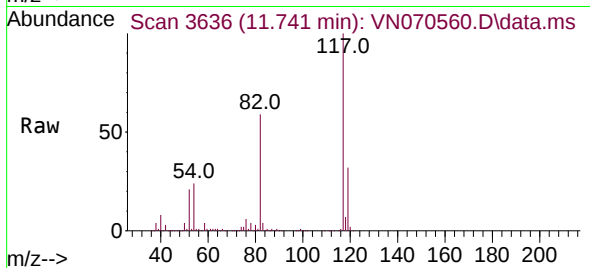
Tgt Ion: 95 Resp: 1211786
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 73.4 0.0 181.4



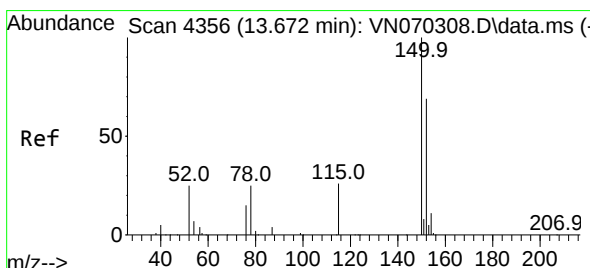
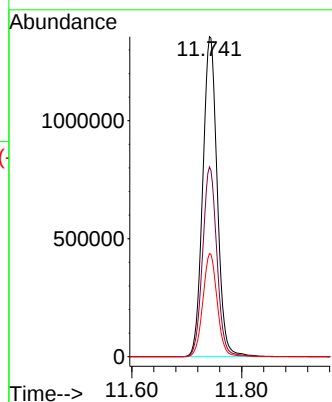
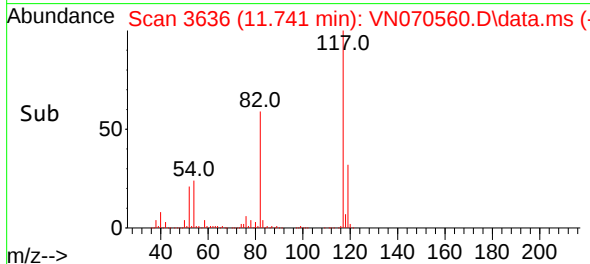


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

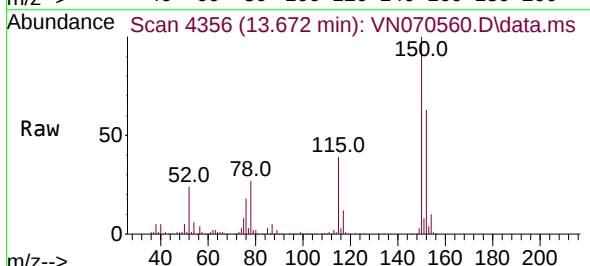
Instrument :
MSVOA_N
ClientSampleId :



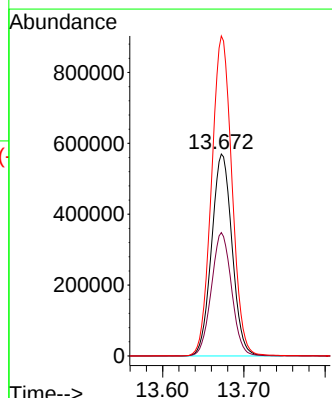
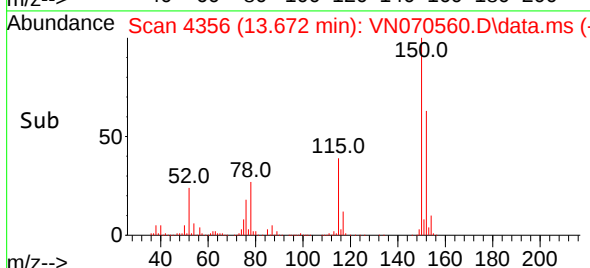
Tgt Ion:117 Resp: 2472156
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.2 25.4 38.2

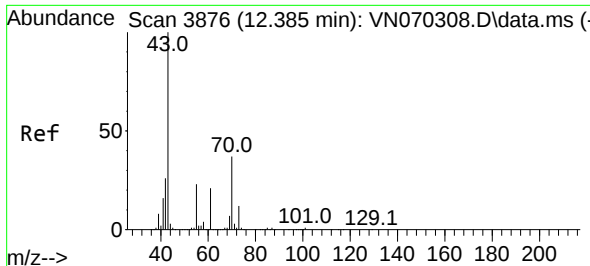


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47



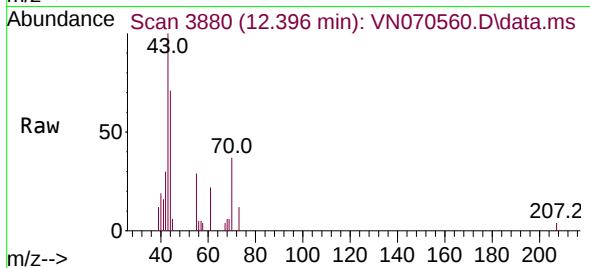
Tgt Ion:152 Resp: 997735
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.5
150 158.0 0.0 344.4



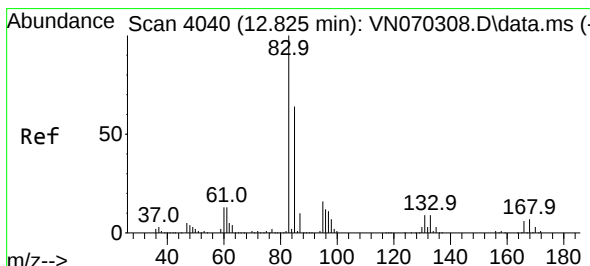
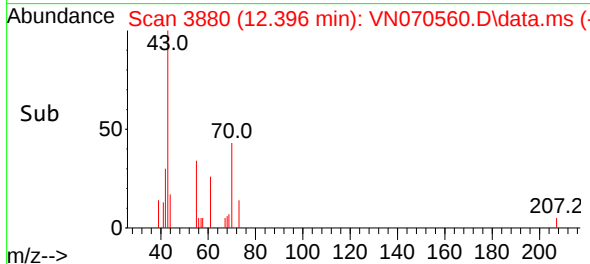
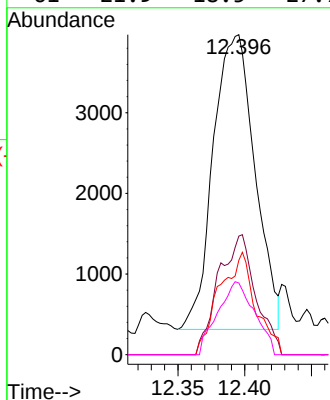


#74
N-amy1 acetate
Concen: 0.204 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.011 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Instrument :
MSVOA_N
ClientSampleId :

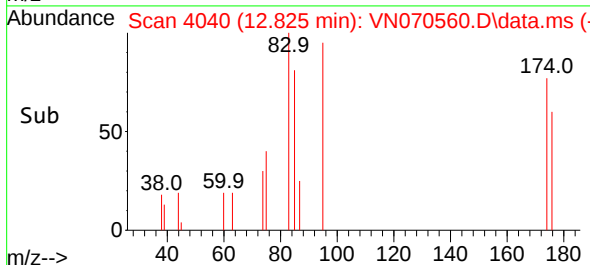
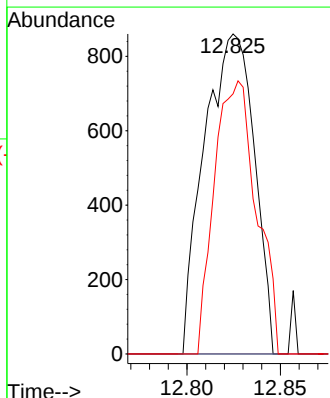
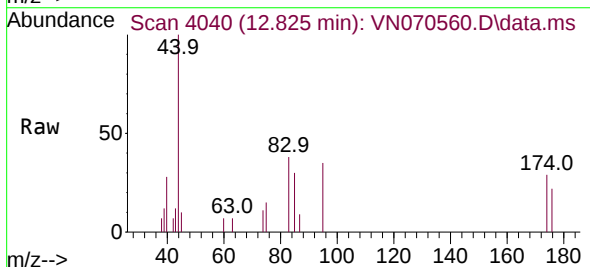


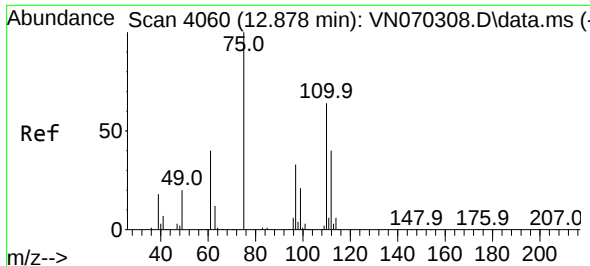
Tgt Ion: 43	Resp: 7944
Ion Ratio	Lower Upper
43	100
70	36.2 33.4 50.0
55	30.0 19.3 28.9#
61	21.9 18.5 27.7



#75
1,1,2,2-Tetrachloroethane
Concen: 0.494 ug/l
RT: 12.825 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

Tgt Ion: 83	Resp: 1601
Ion Ratio	Lower Upper
83	100
131	0.0 5.5 16.5#
85	71.7 32.4 97.2

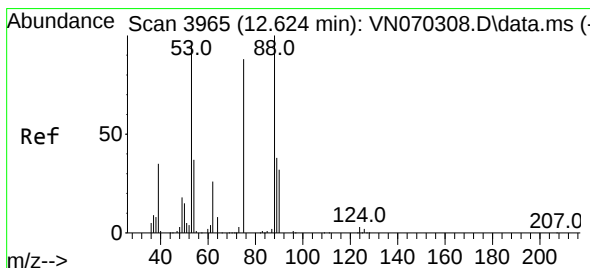
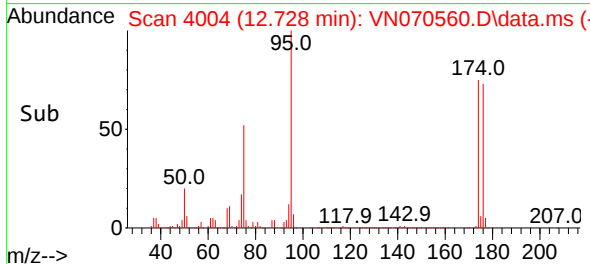
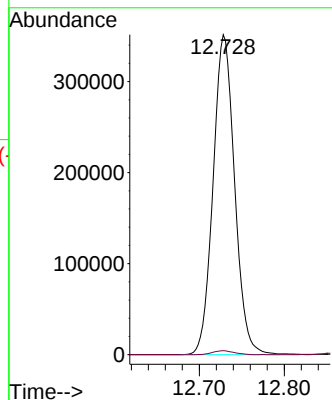
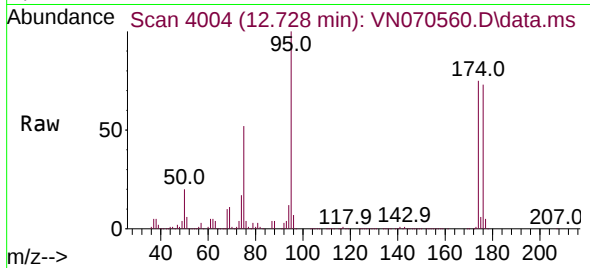




#76
1,2,3-Trichloropropane
Concen: 22.539 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

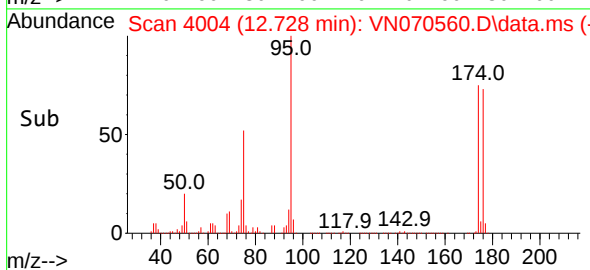
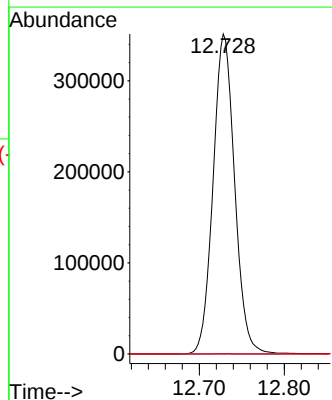
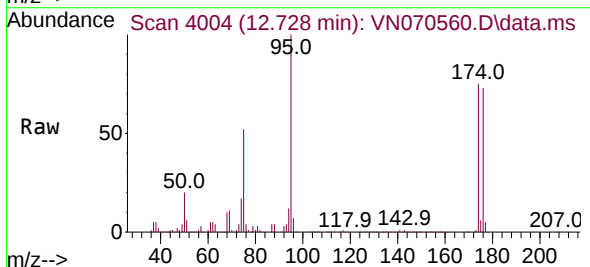
Instrument :
MSVOA_N
ClientSampleId :

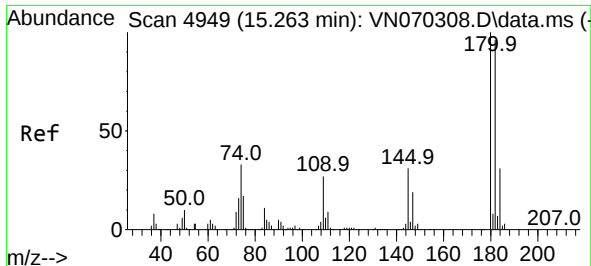
Tgt Ion: 75 Resp: 618833
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.779 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070560.D
Acq: 11 Jan 2022 10:47

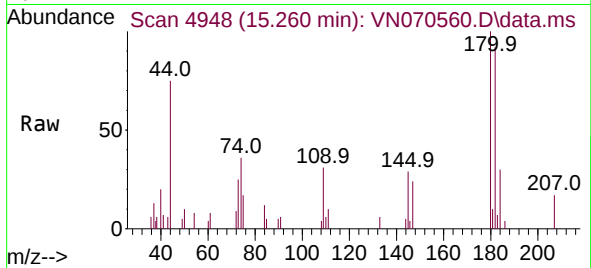
Tgt Ion: 75 Resp: 618833
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



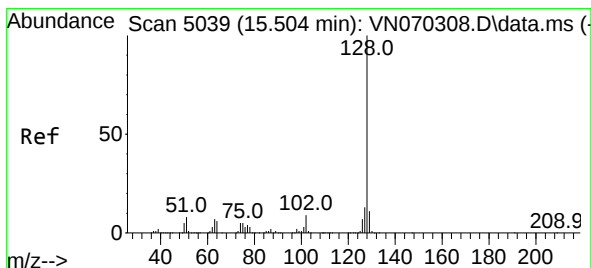
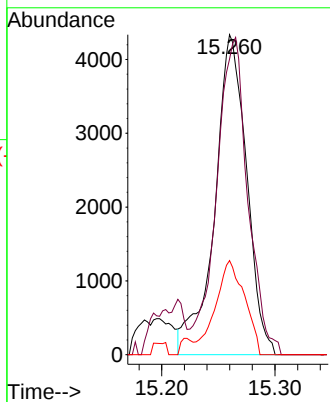
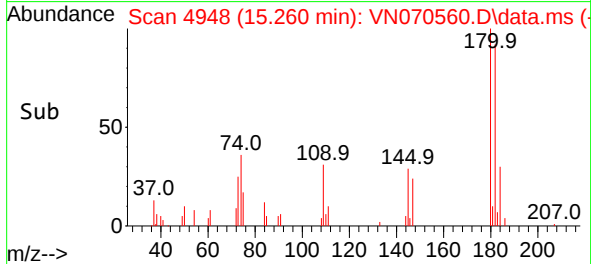


#93
 1,2,4-Trichlorobenzene
 Concen: 0.516 ug/l
 RT: 15.260 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070560.D
 Acq: 11 Jan 2022 10:47

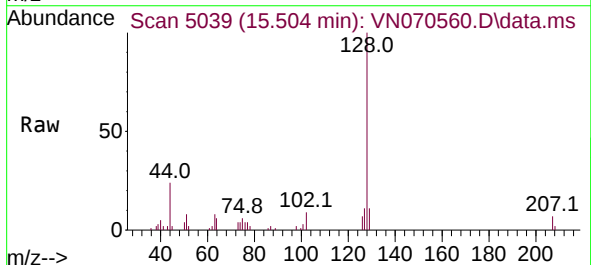
Instrument :
 MSVOA_N
 ClientSampleId :



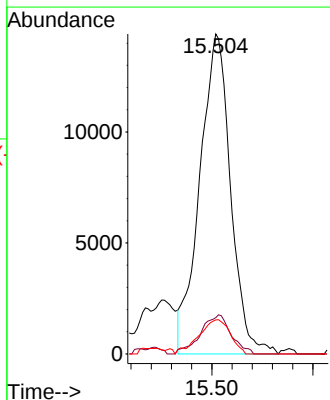
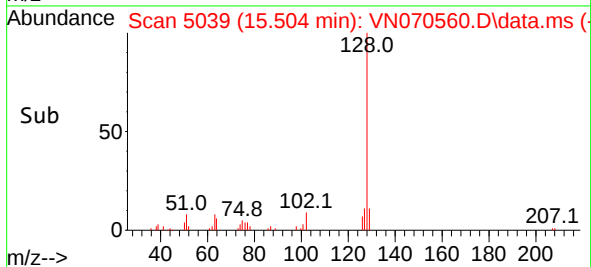
Tgt Ion:180 Resp: 8494
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.3 144.9
 145 26.7 14.5 43.5

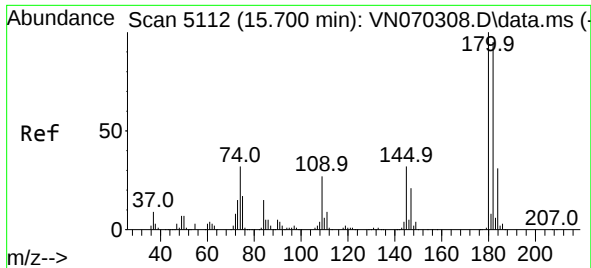


#95
 Naphthalene
 Concen: 2.446 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.000 min
 Lab File: VN070560.D
 Acq: 11 Jan 2022 10:47



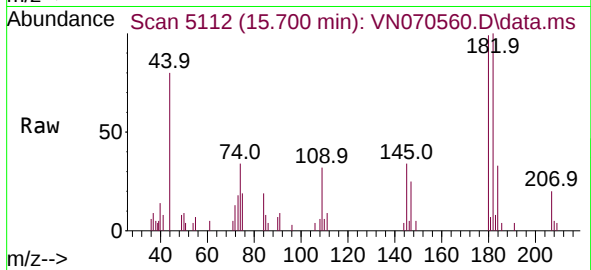
Tgt Ion:128 Resp: 30630
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.5 15.7
 129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.422 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070560.D
 Acq: 11 Jan 2022 10:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 9541
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.2
 145 36.5 15.0 45.1

