

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011022\
 Data File : VN070550.D
 Acq On : 10 Jan 2022 18:10
 Operator : JC/MD
 Sample : N1015-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

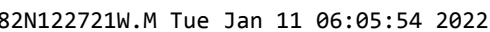
Quant Time: Jan 11 06:05:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

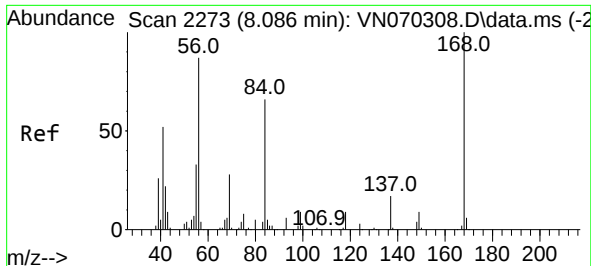
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	923233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1605636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1324503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	404439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	725648	54.666	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.340%	
35) Dibromofluoromethane	8.021	113	500013	51.469	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.940%	
50) Toluene-d8	10.440	98	1861421	46.903	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 93.800%	
62) 4-Bromofluorobenzene	12.731	95	658095	45.912	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 91.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4130	0.290	ug/l	96
11) Tert butyl alcohol	5.377	59	12997	5.880	ug/l #	77
13) Acrolein	4.039	56	7412	4.133	ug/l #	60
16) Acetone	4.291	43	176522	20.485	ug/l	94
18) Methyl Acetate	4.865	43	19122	0.767	ug/l #	87
22) Diisopropyl ether	6.584	45	38144	0.919	ug/l #	1
23) Vinyl Acetate	6.576	43	88123	2.735	ug/l #	72
25) 2-Butanone	7.340	43	100075	9.224	ug/l	91
29) Tetrahydrofuran	7.683	42	1398	0.216	ug/l #	63
31) Cyclohexane	8.080	56	19990	0.954	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	73921	4.600	ug/l #	47
37) Ethyl Acetate	7.340	43	100075	4.804	ug/l #	68
38) Carbon Tetrachloride	8.083	117	88487	5.766	ug/l #	17
41) Methacrylonitrile	7.659	41	2558	0.246	ug/l #	19
49) 1,4-Dioxane	9.566	88	314	1.369	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	22308	1.081	ug/l	96
59) 2-Hexanone	11.087	43	27148	1.804	ug/l	85
68) m/p-Xylenes	11.942	106	5400	0.288	ug/l	100
74) N-amyl acetate	12.355	43	7570	0.479	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.833	83	185	0.460	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	337605	29.388	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	337605	101.987	ug/l #	5
95) Naphthalene	15.504	128	14530	2.557	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	882	0.962	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
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Response via : Initial Calibration

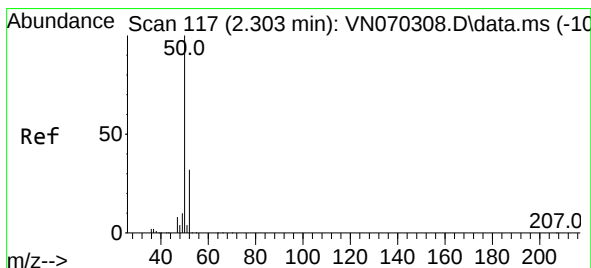
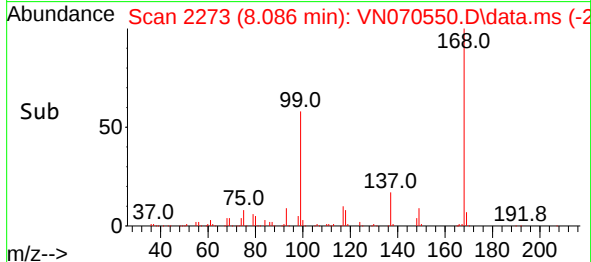
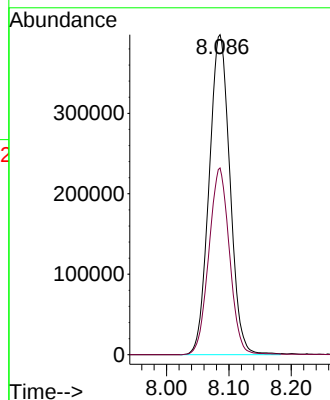
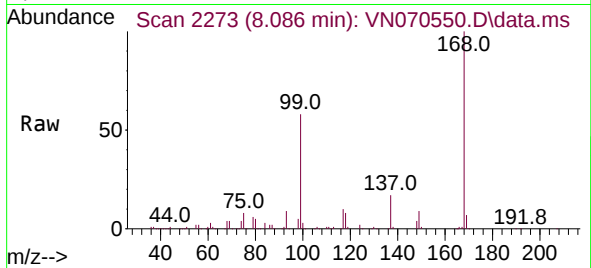




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

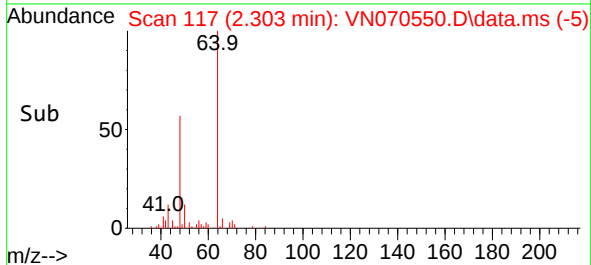
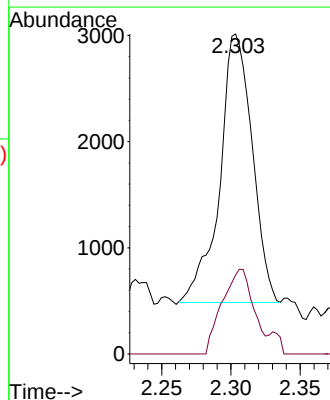
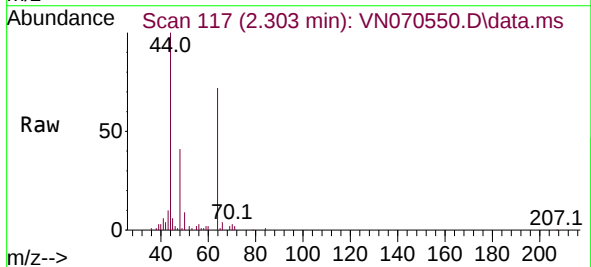
Instrument :
MSVOA_N
ClientSampleId :

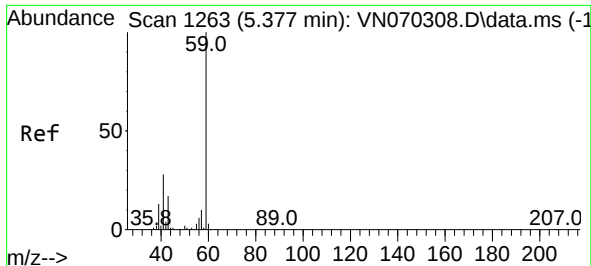
Tgt Ion:168 Resp: 923233
Ion Ratio Lower Upper
168 100
99 58.3 41.3 61.9



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 50 Resp: 4130
Ion Ratio Lower Upper
50 100
52 29.4 25.4 38.0

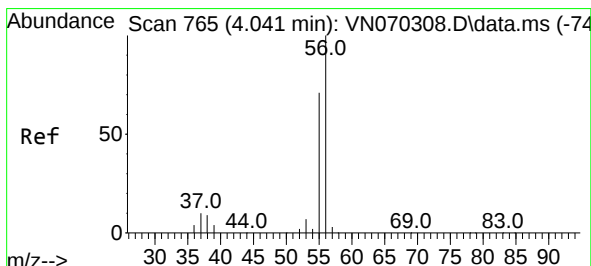
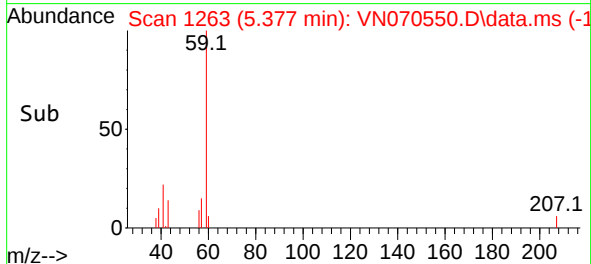
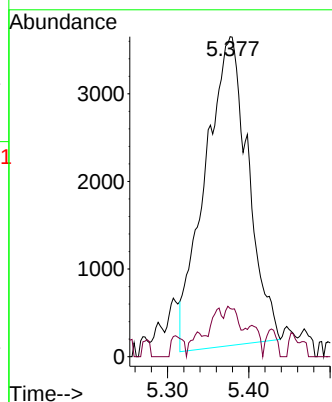
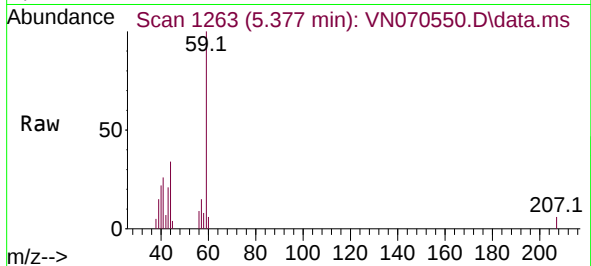




#11
Tert butyl alcohol
Concen: 5.880 ug/l
RT: 5.377 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

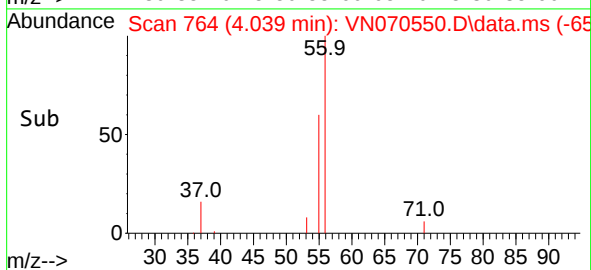
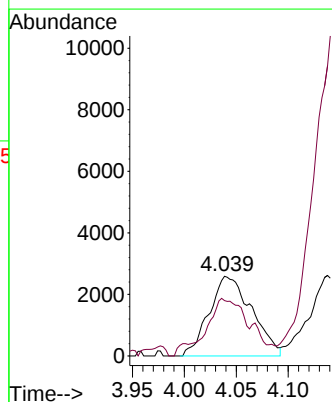
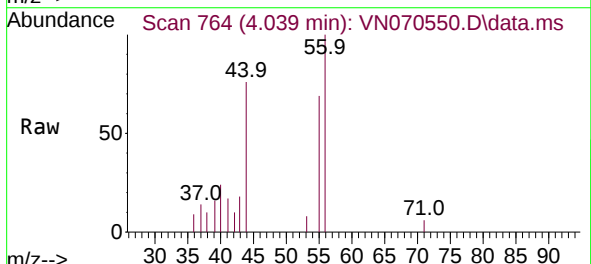
Instrument :
MSVOA_N
ClientSampleId :

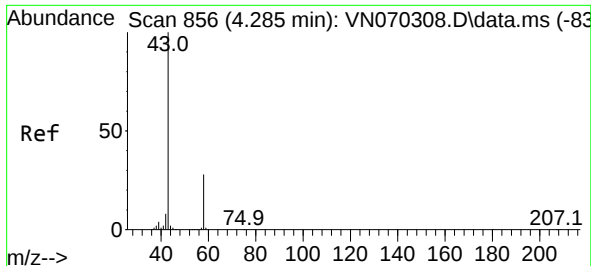
Tgt Ion: 59 Resp: 12997
Ion Ratio Lower Upper
59 100
57 2.2 8.7 13.1#



#13
Acrolein
Concen: 4.133 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 56 Resp: 7412
Ion Ratio Lower Upper
56 100
55 38.0 56.6 85.0#

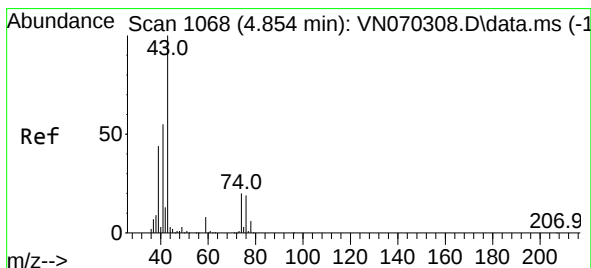
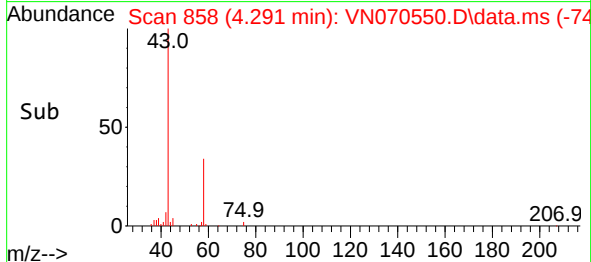
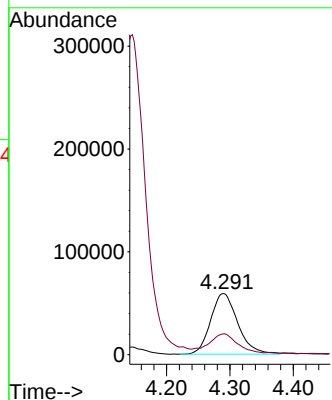
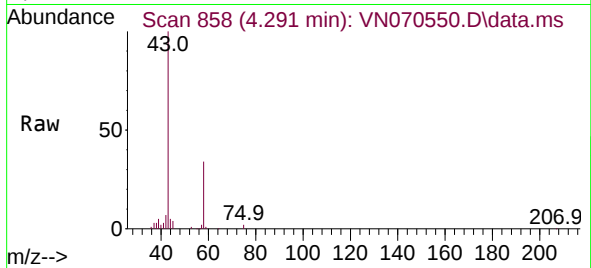




#16
Acetone
Concen: 20.485 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

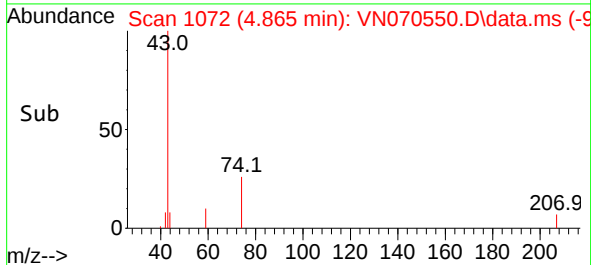
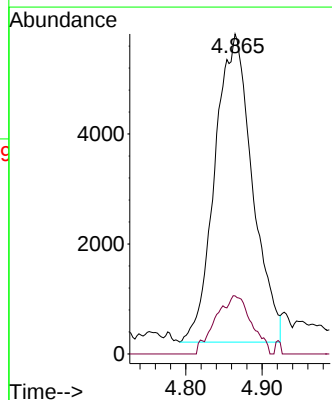
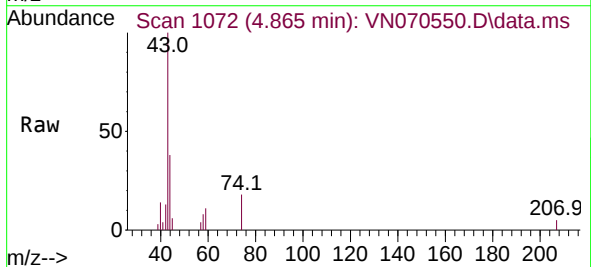
Instrument :
MSVOA_N
ClientSampleId :

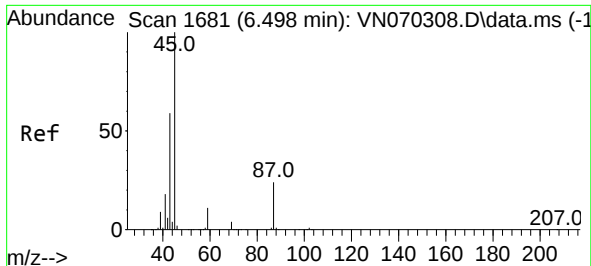
Tgt Ion: 43 Resp: 176522
Ion Ratio Lower Upper
43 100
58 32.0 23.1 34.7



#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

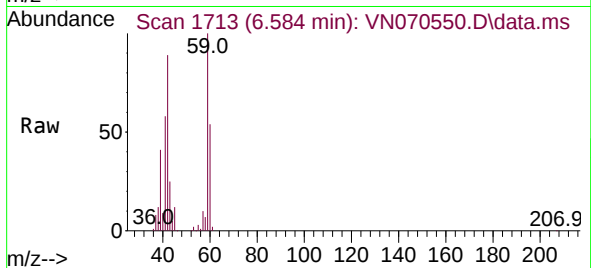
Tgt Ion: 43 Resp: 19122
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.2#



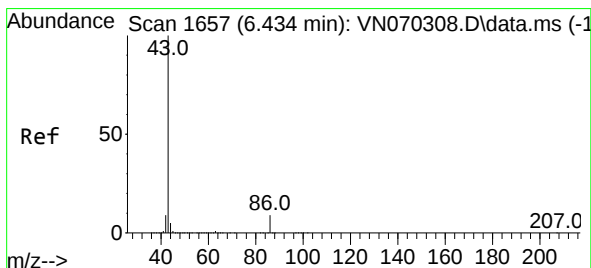
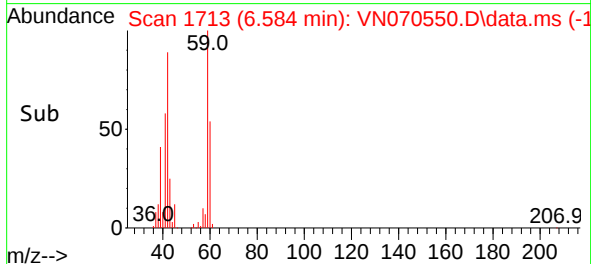
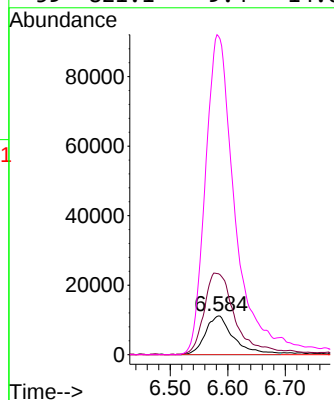


#22
Diisopropyl ether
Concen: 0.919 ug/l
RT: 6.584 min Scan# 1710
Delta R.T. 0.086 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :

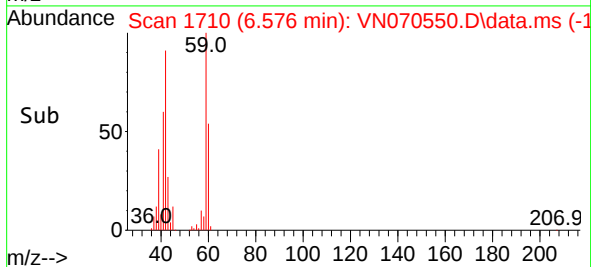
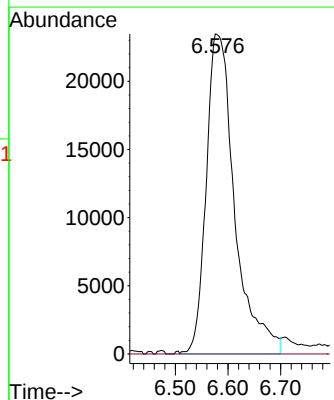
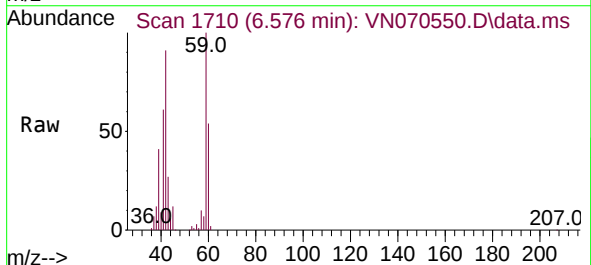


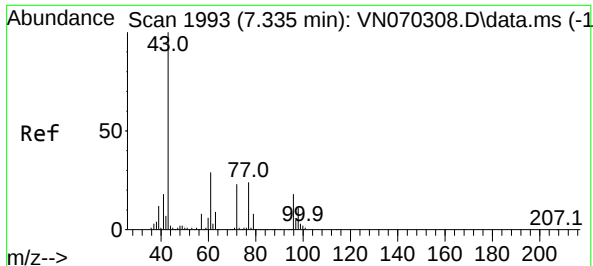
Tgt Ion	Ratio	Lower	Upper
45	100		
43	207.1	51.7	77.5#
87	0.0	23.2	34.8#
59	821.1	9.4	14.0#



#23
Vinyl Acetate
Concen: 2.735 ug/l
RT: 6.576 min Scan# 1710
Delta R.T. 0.142 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

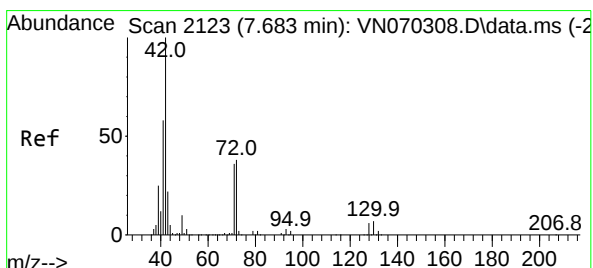
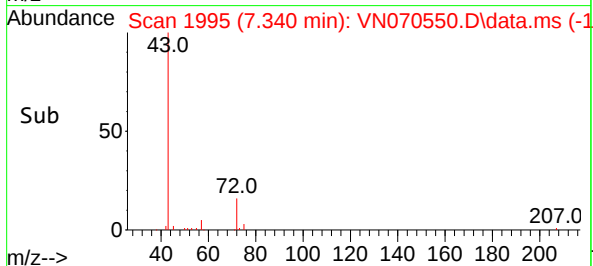
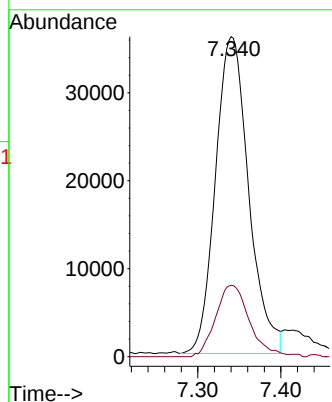
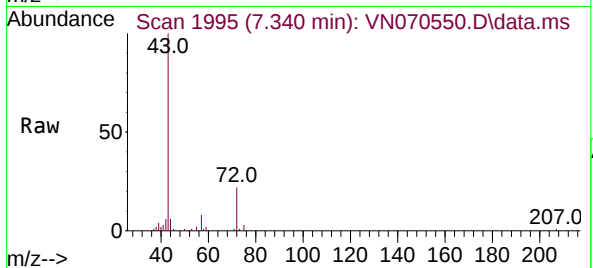




#25
2-Butanone
Concen: 9.224 ug/l
RT: 7.340 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

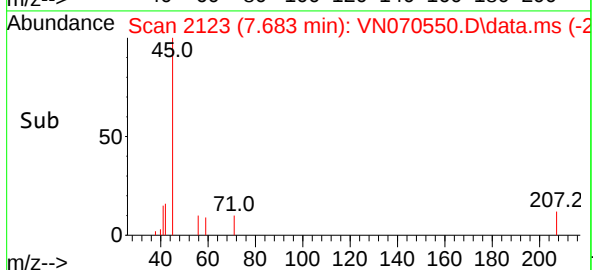
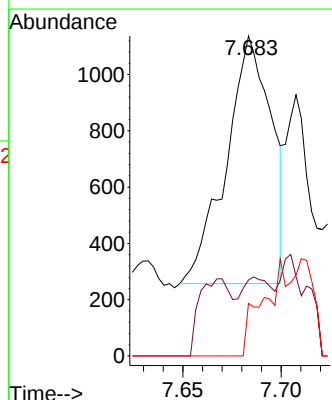
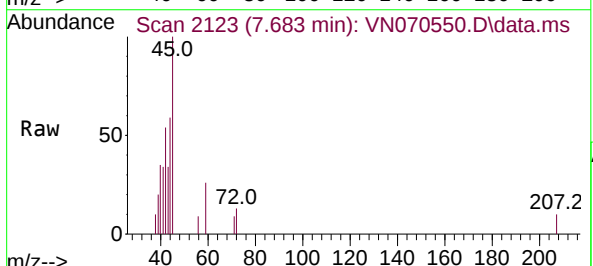
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MSVOA_N
ClientSampleId :

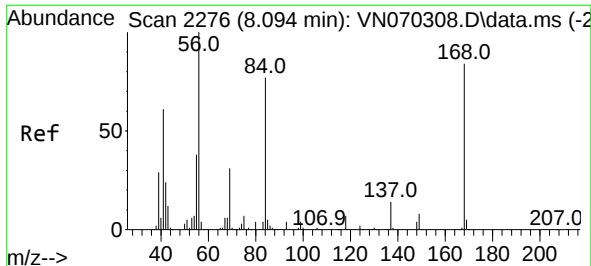
Tgt Ion: 43 Resp: 100075
Ion Ratio Lower Upper
43 100
72 22.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.216 ug/l
RT: 7.683 min Scan# 2123
Delta R.T. 0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

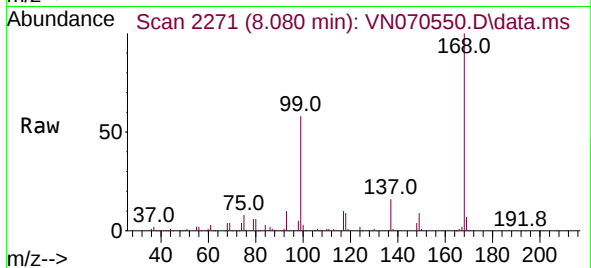
Tgt Ion: 42 Resp: 1398
Ion Ratio Lower Upper
42 100
72 20.8 36.3 54.5#
71 19.7 34.7 52.1#



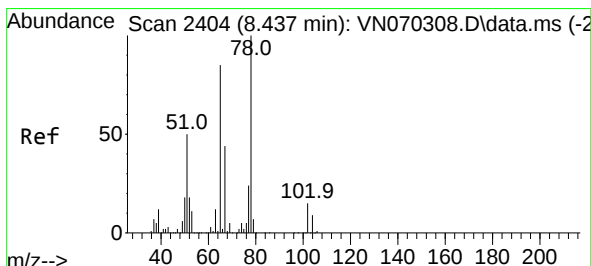
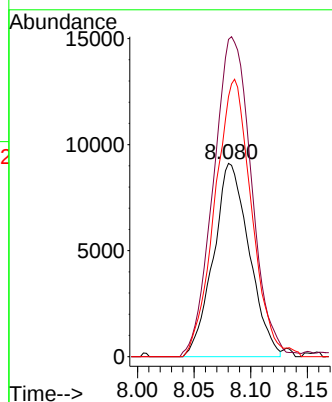
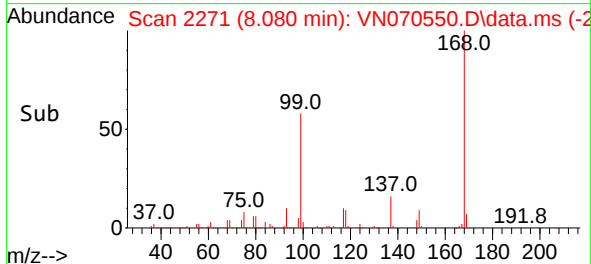


#31
Cyclohexane
Concen: 0.954 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.014 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :

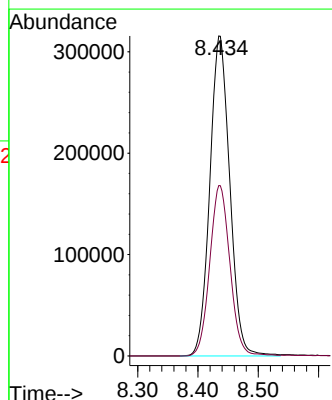
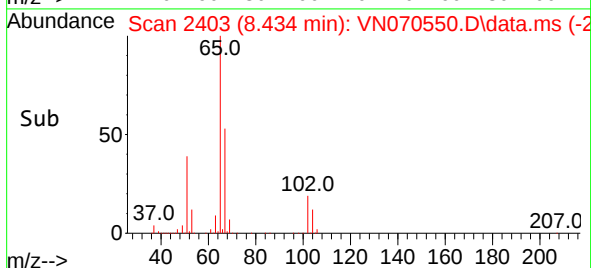
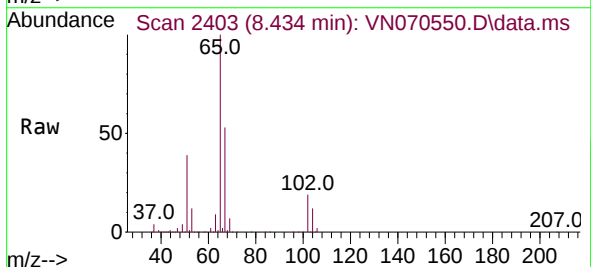


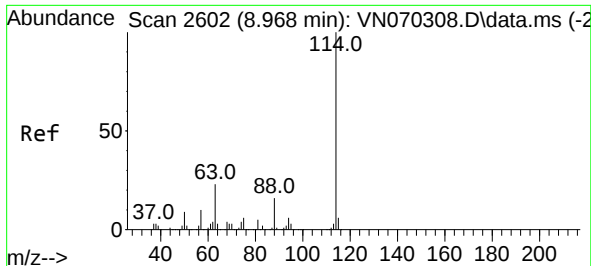
Tgt Ion: 56 Resp: 19990
Ion Ratio Lower Upper
56 100
69 164.2 27.1 40.7#
84 134.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.666 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 65 Resp: 725648
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.0

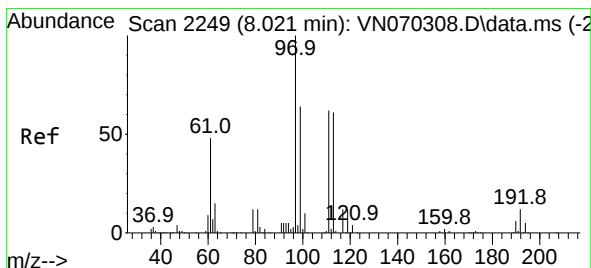
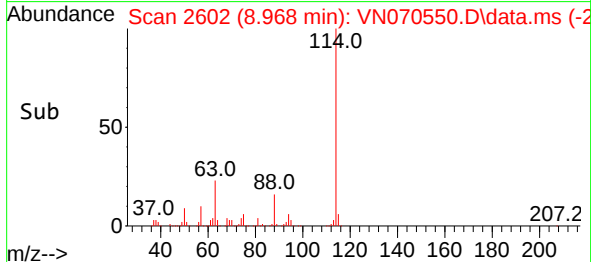
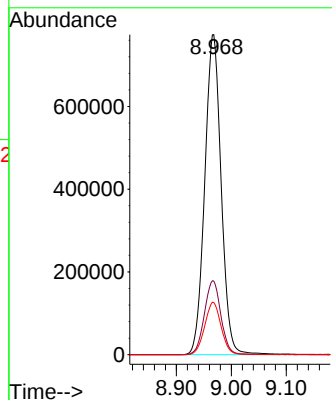
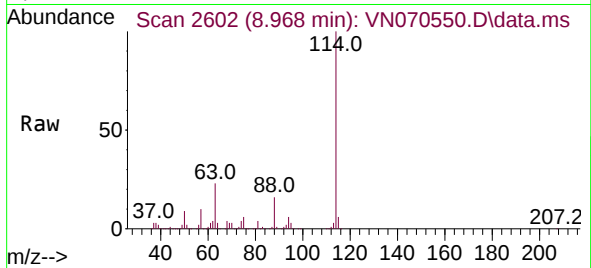




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070550.D
 Acq: 10 Jan 2022 18:10

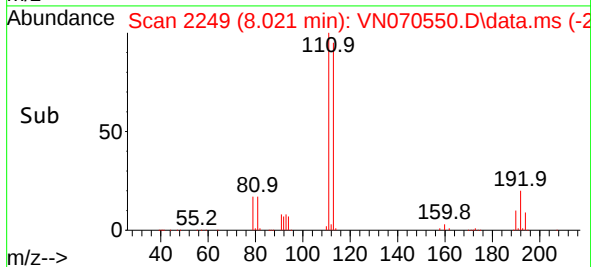
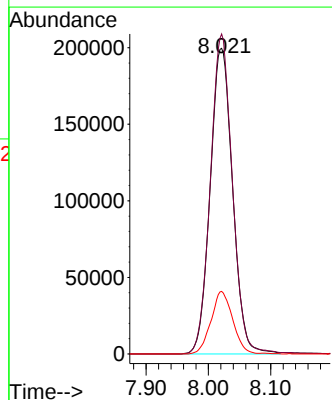
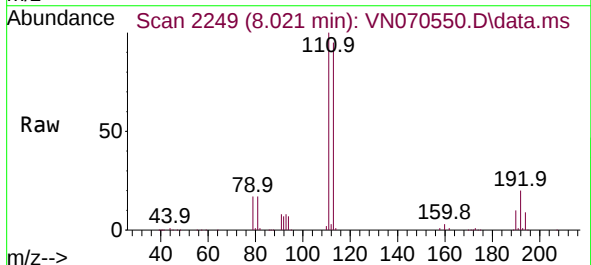
Instrument :
 MSVOA_N
 ClientSampleId :

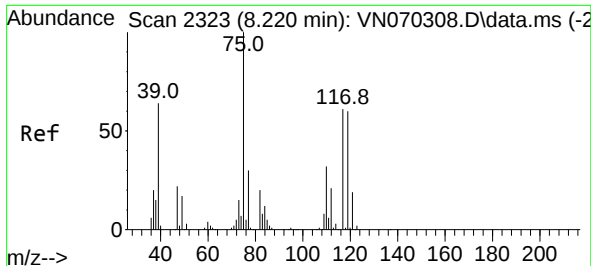
Tgt Ion:114 Resp: 1605636
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 37.8
 88 16.3 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 51.469 ug/l
 RT: 8.021 min Scan# 2249
 Delta R.T. 0.000 min
 Lab File: VN070550.D
 Acq: 10 Jan 2022 18:10

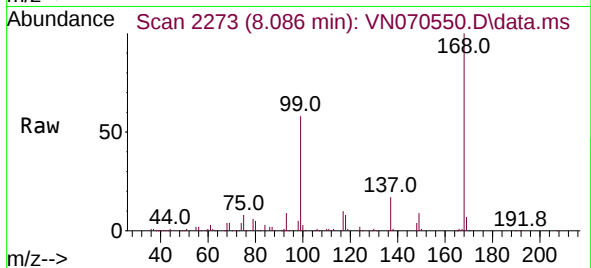
Tgt Ion:113 Resp: 500013
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 19.8 16.9 25.3



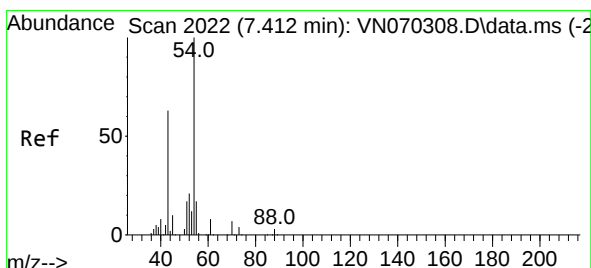
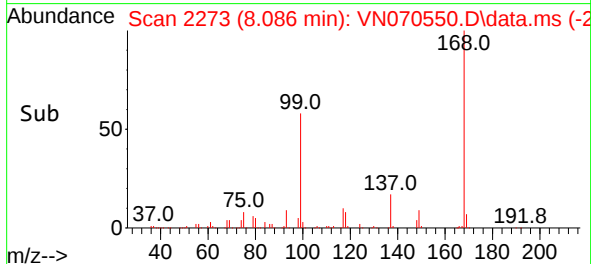
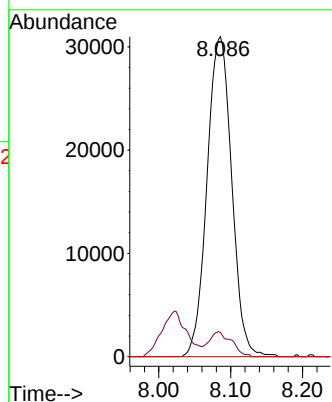


#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :

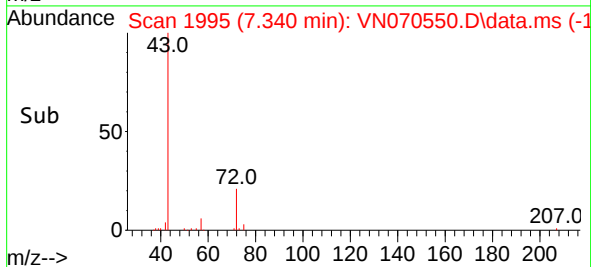
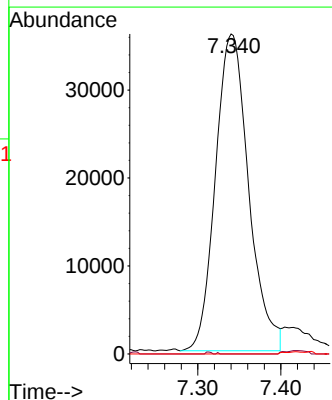
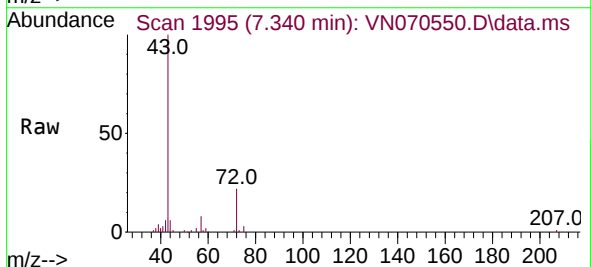


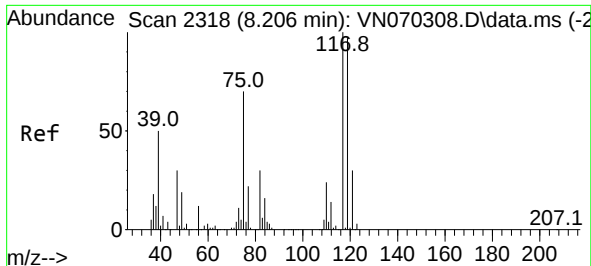
Tgt Ion: 75 Resp: 73921
Ion Ratio Lower Upper
75 100
110 7.1 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.804 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.072 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

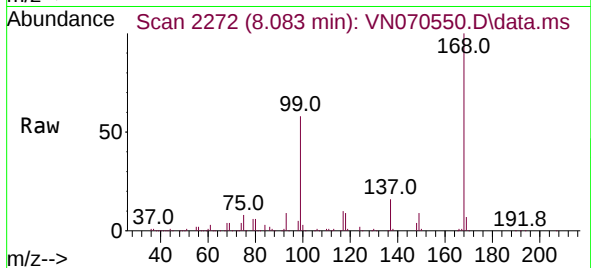
Tgt Ion: 43 Resp: 100075
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



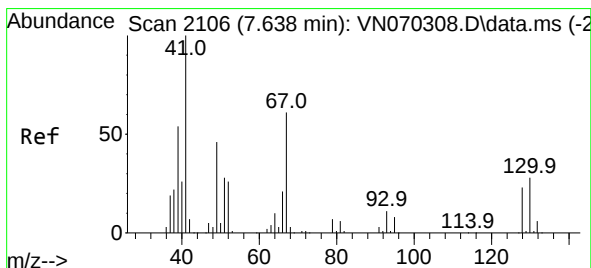
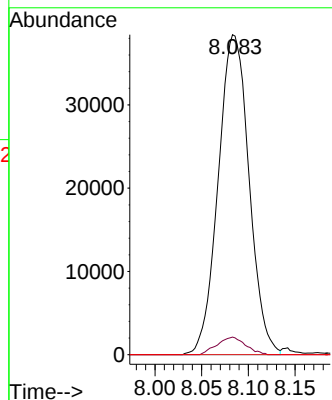
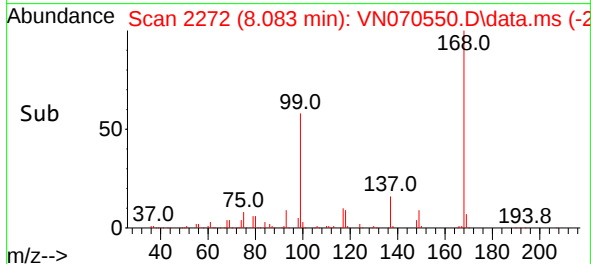


#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 8.083 min Scan# 2114
Delta R.T. -0.123 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :

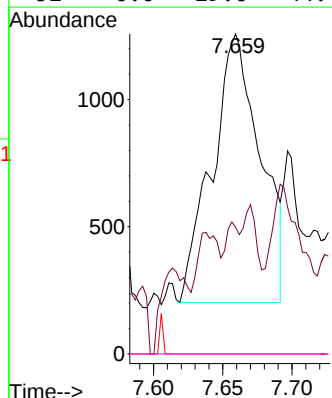
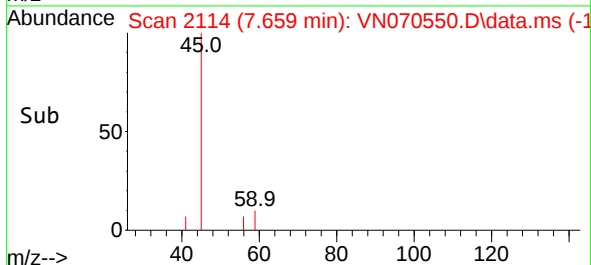
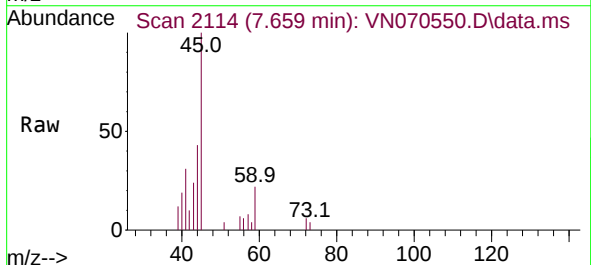


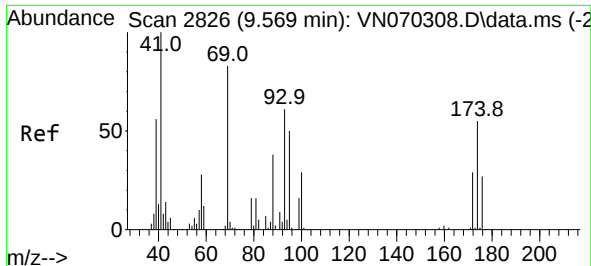
Tgt Ion:117 Resp: 88487
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.021 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

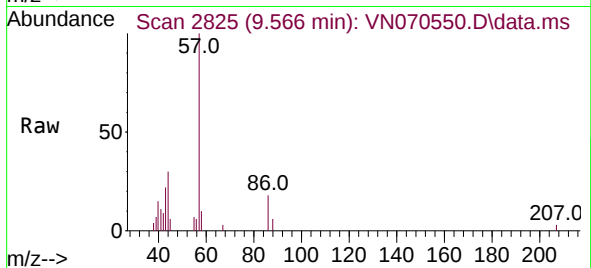
Tgt Ion: 41 Resp: 2558
Ion Ratio Lower Upper
41 100
39 2.2 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



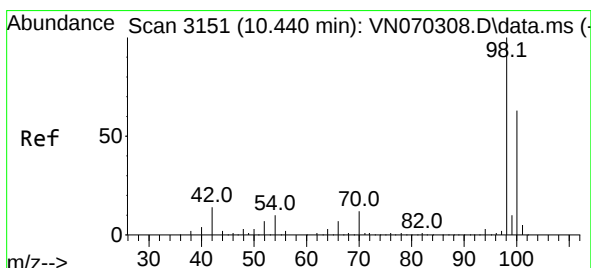
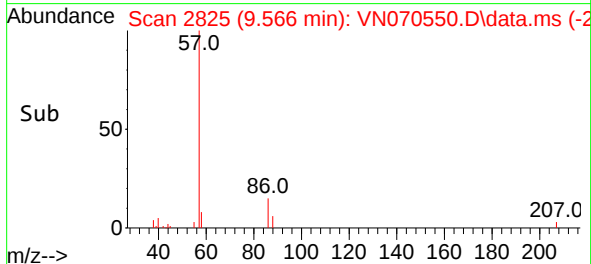
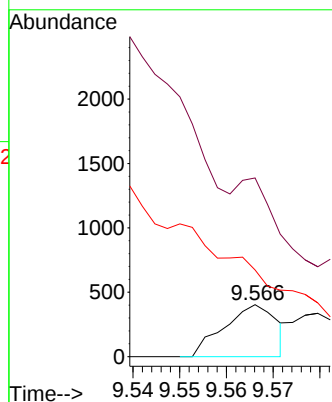


#49
1,4-Dioxane
Concen: 1.369 ug/l
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Instrument :
MSVOA_N
ClientSampleId :

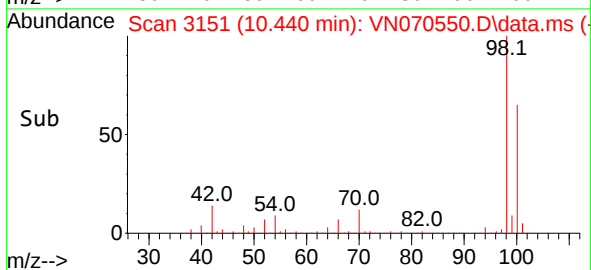
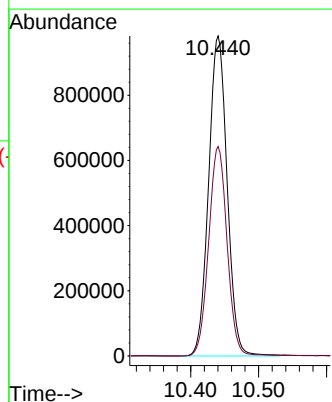
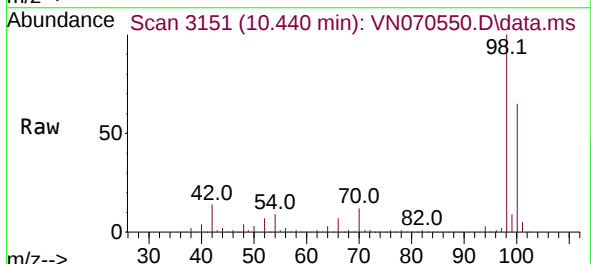


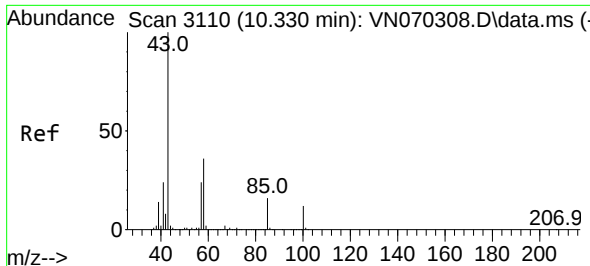
Tgt Ion: 88 Resp: 314
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 46.903 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 98 Resp: 1861421
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6

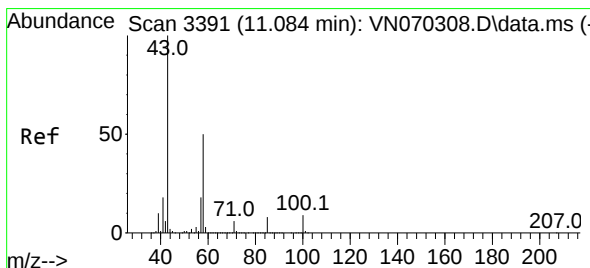
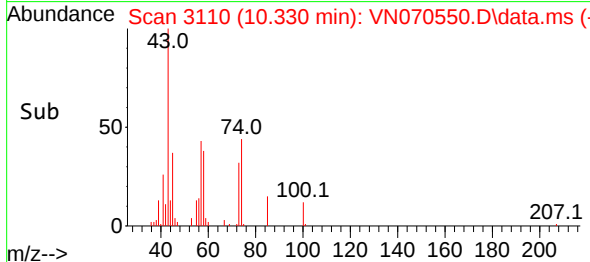
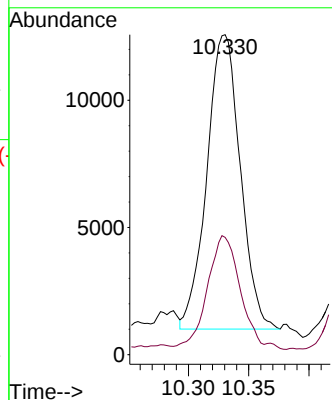
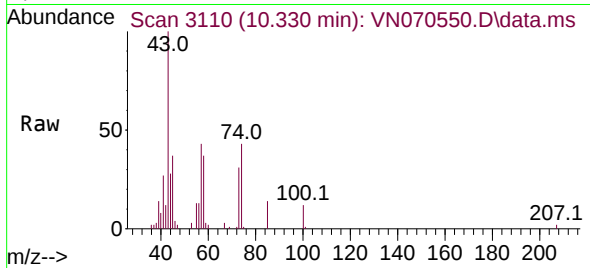




#51
4-Methyl-2-Pentanone
Concen: 1.081 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

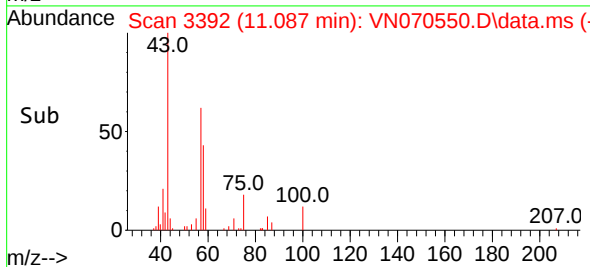
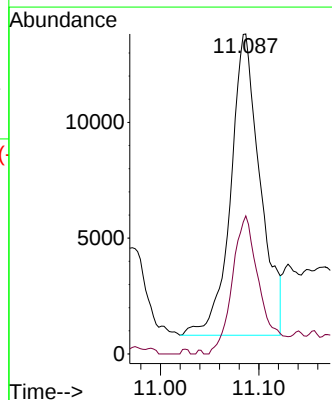
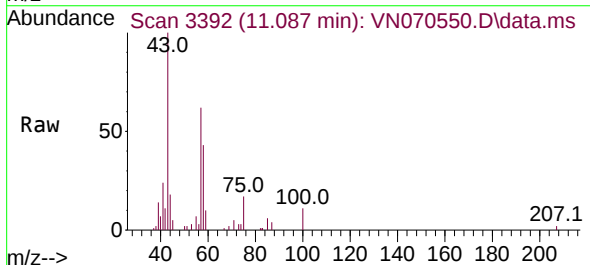
Instrument :
MSVOA_N
ClientSampleId :

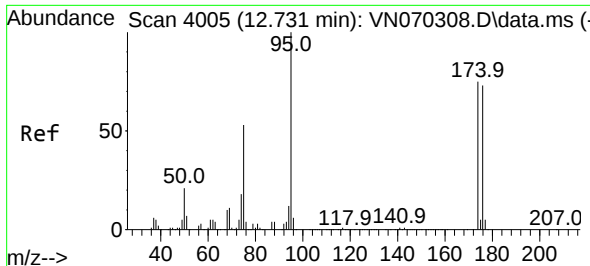
Tgt Ion: 43 Resp: 22308
Ion Ratio Lower Upper
43 100
58 35.4 30.4 45.6



#59
2-Hexanone
Concen: 1.804 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 43 Resp: 27148
Ion Ratio Lower Upper
43 100
58 43.1 26.9 80.7

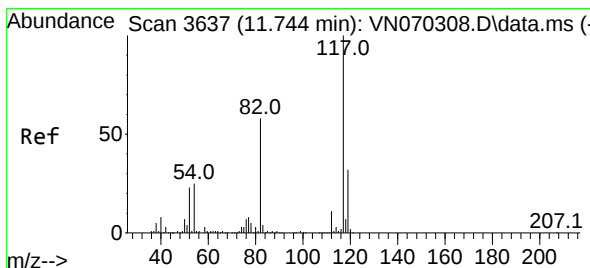
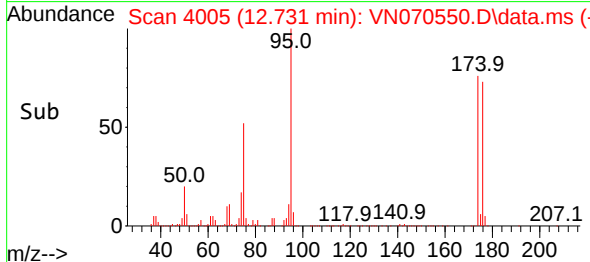
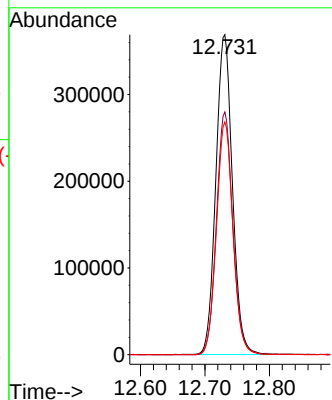
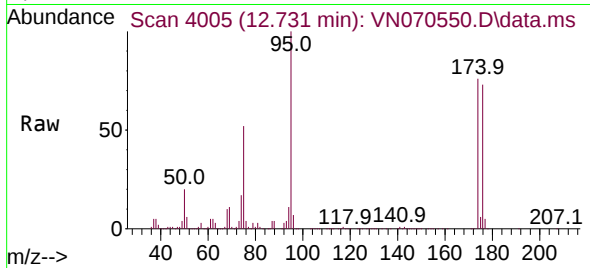




#62
4-Bromofluorobenzene
Concen: 45.912 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

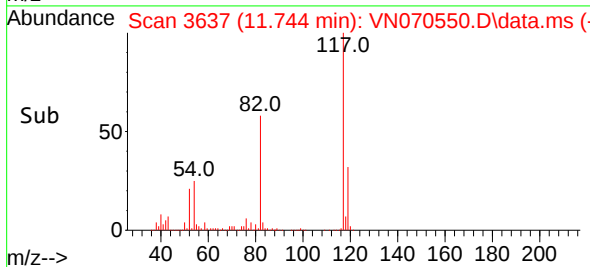
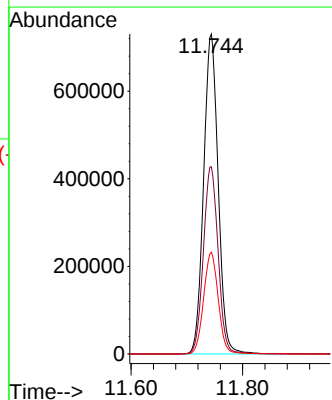
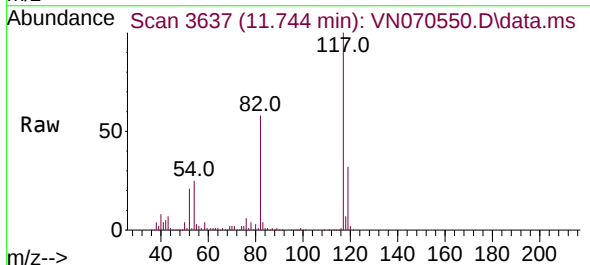
Instrument :
MSVOA_N
ClientSampleId :

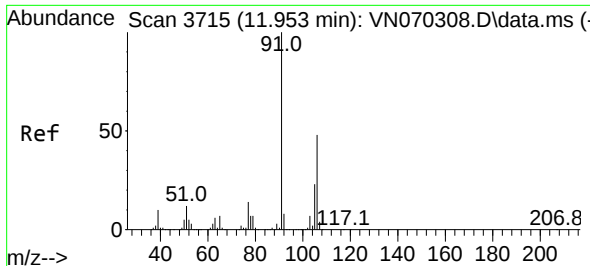
Tgt Ion: 95 Resp: 658095
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 117 Resp: 1324503
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.8 25.4 38.2

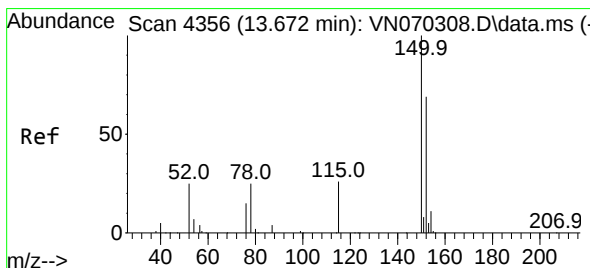
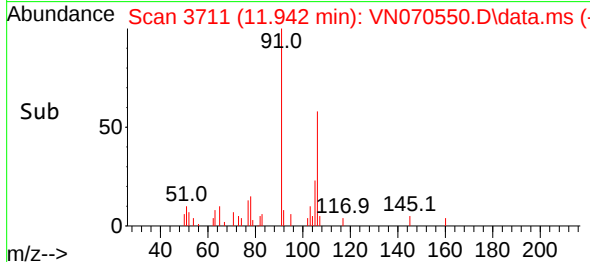
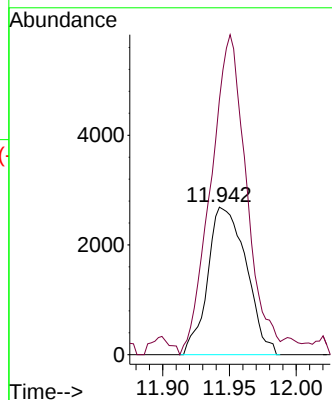
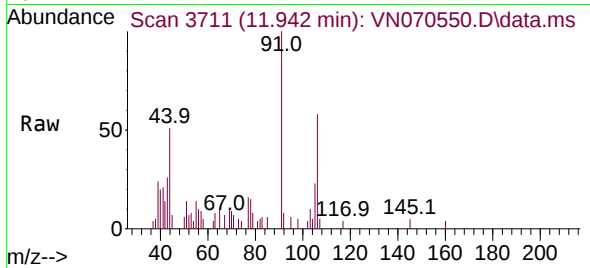




#68
m/p-Xylenes
Concen: 0.288 ug/l
RT: 11.942 min Scan# 31
Delta R.T. -0.011 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

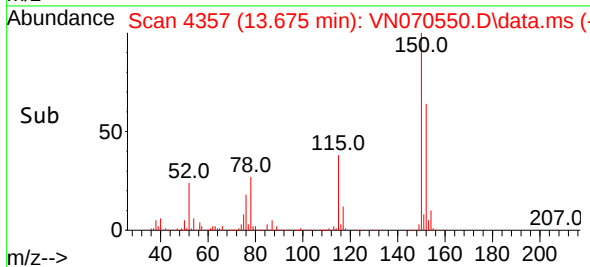
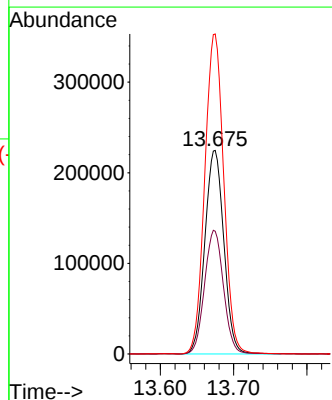
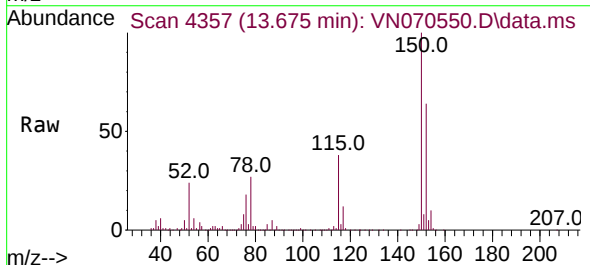
Instrument :
MSVOA_N
ClientSampleId :

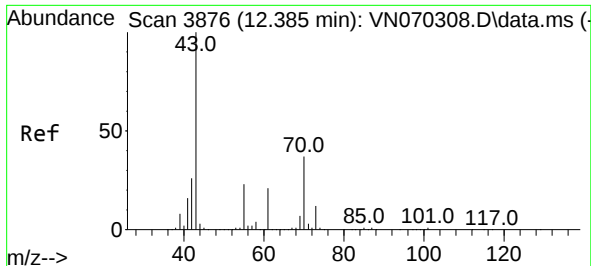
Tgt Ion:106 Resp: 5400
Ion Ratio Lower Upper
106 100
91 200.7 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion:152 Resp: 404439
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.2 0.0 344.4

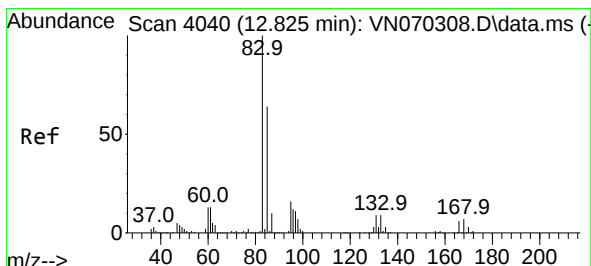
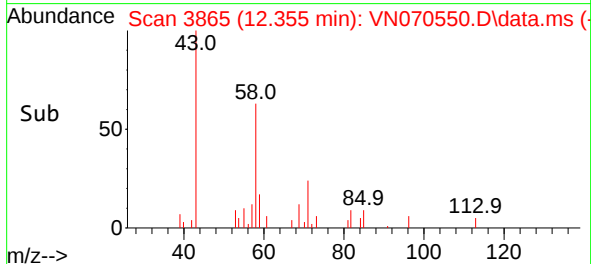
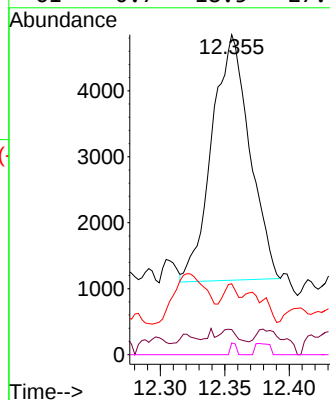
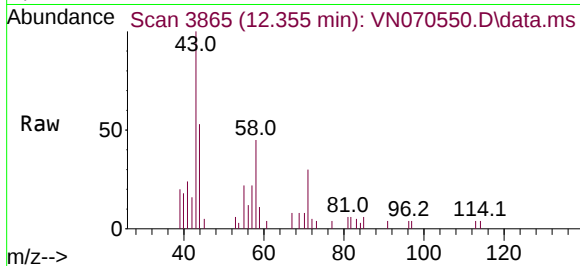




#74
N-amy1 acetate
Concen: 0.479 ug/l
RT: 12.355 min Scan# 3876
Delta R.T. -0.030 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

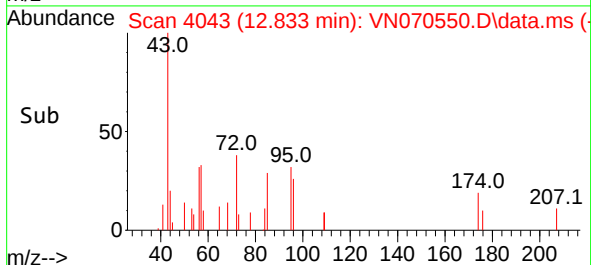
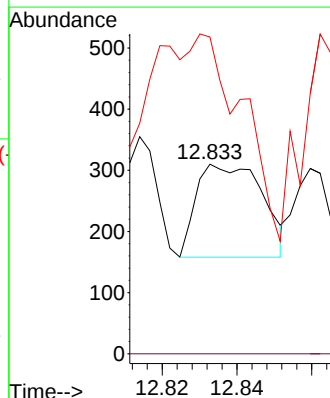
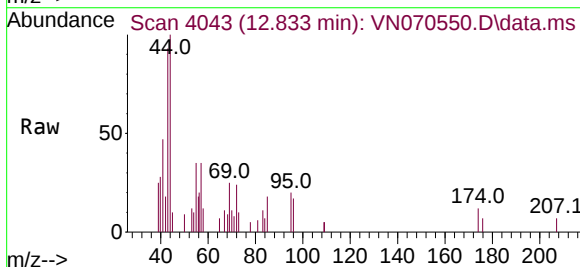
Instrument :
MSVOA_N
ClientSampleId :

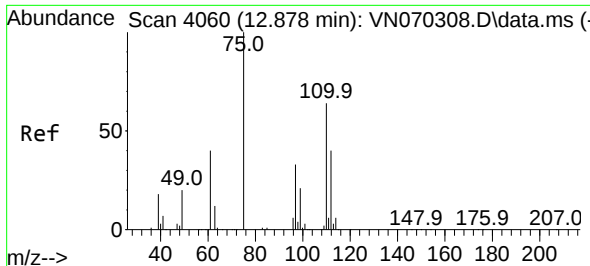
Tgt Ion:	43	Resp:	7570
Ion	Ratio	Lower	Upper
43	100		
70	1.9	33.4	50.0#
55	2.7	19.3	28.9#
61	0.7	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.460 ug/l
RT: 12.833 min Scan# 4043
Delta R.T. 0.008 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion:	83	Resp:	185
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#

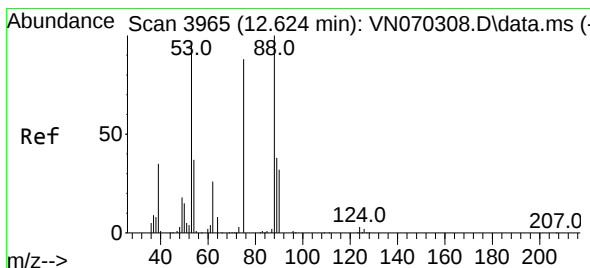
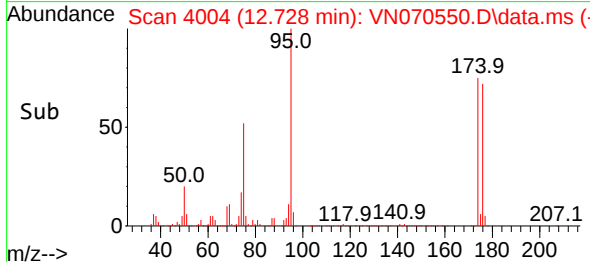
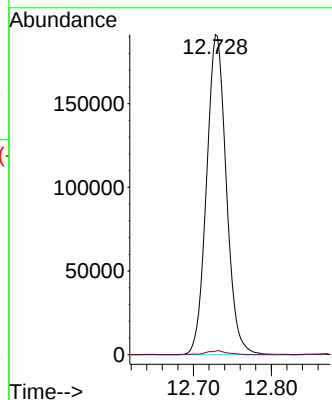
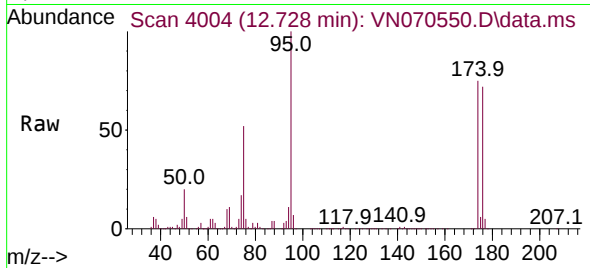




#76
1,2,3-Trichloropropane
Concen: 29.388 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

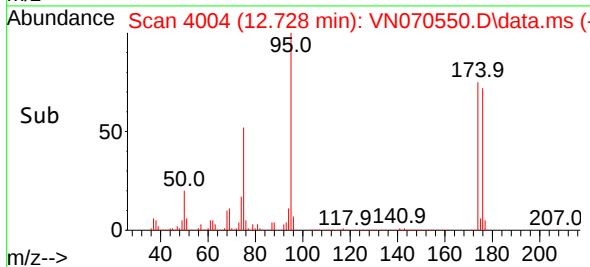
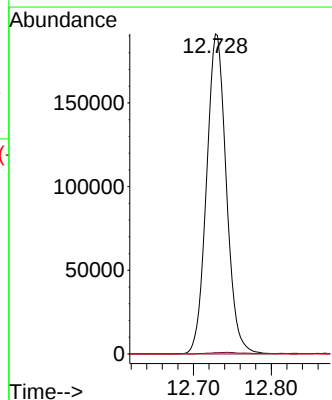
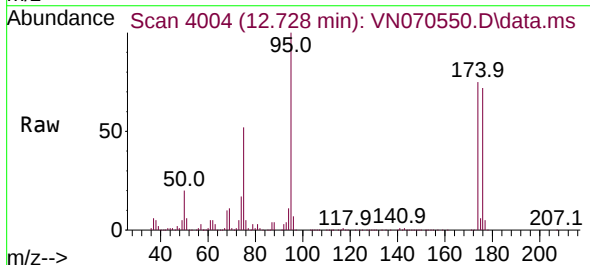
Instrument :
MSVOA_N
ClientSampleId :

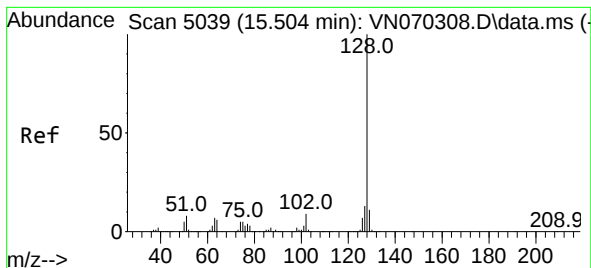
Tgt Ion: 75 Resp: 337605
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.987 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070550.D
Acq: 10 Jan 2022 18:10

Tgt Ion: 75 Resp: 337605
Ion Ratio Lower Upper
75 100
53 0.6 90.5 135.7#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 2.557 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. 0.000 min

Lab File: VN070550.D

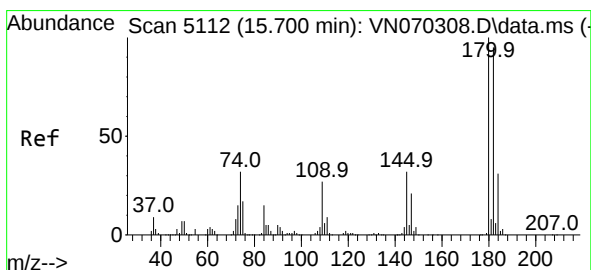
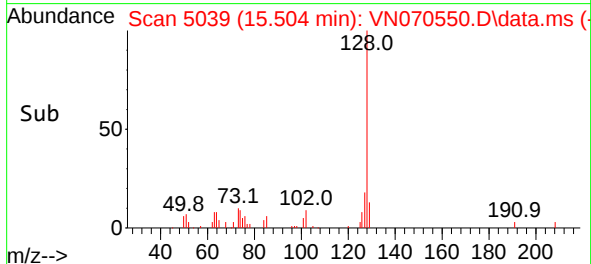
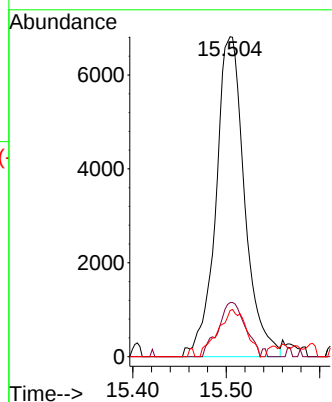
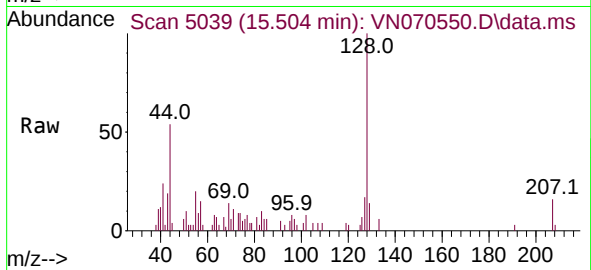
Acq: 10 Jan 2022 18:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	14530
Ion Ratio	Lower	Upper
128	100	
127	16.0	10.5 15.7#
129	14.5	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.962 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN070550.D

Acq: 10 Jan 2022 18:10

Tgt Ion:180	Resp:	882
Ion Ratio	Lower	Upper
180	100	
182	76.2	47.4 142.2
145	67.2	15.0 45.1#

