

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078355.D
 Acq On : 22 Jun 2023 17:16
 Operator : JC\MD
 Sample : PB153671TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153671TB

Quant Time: Jun 23 08:03:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

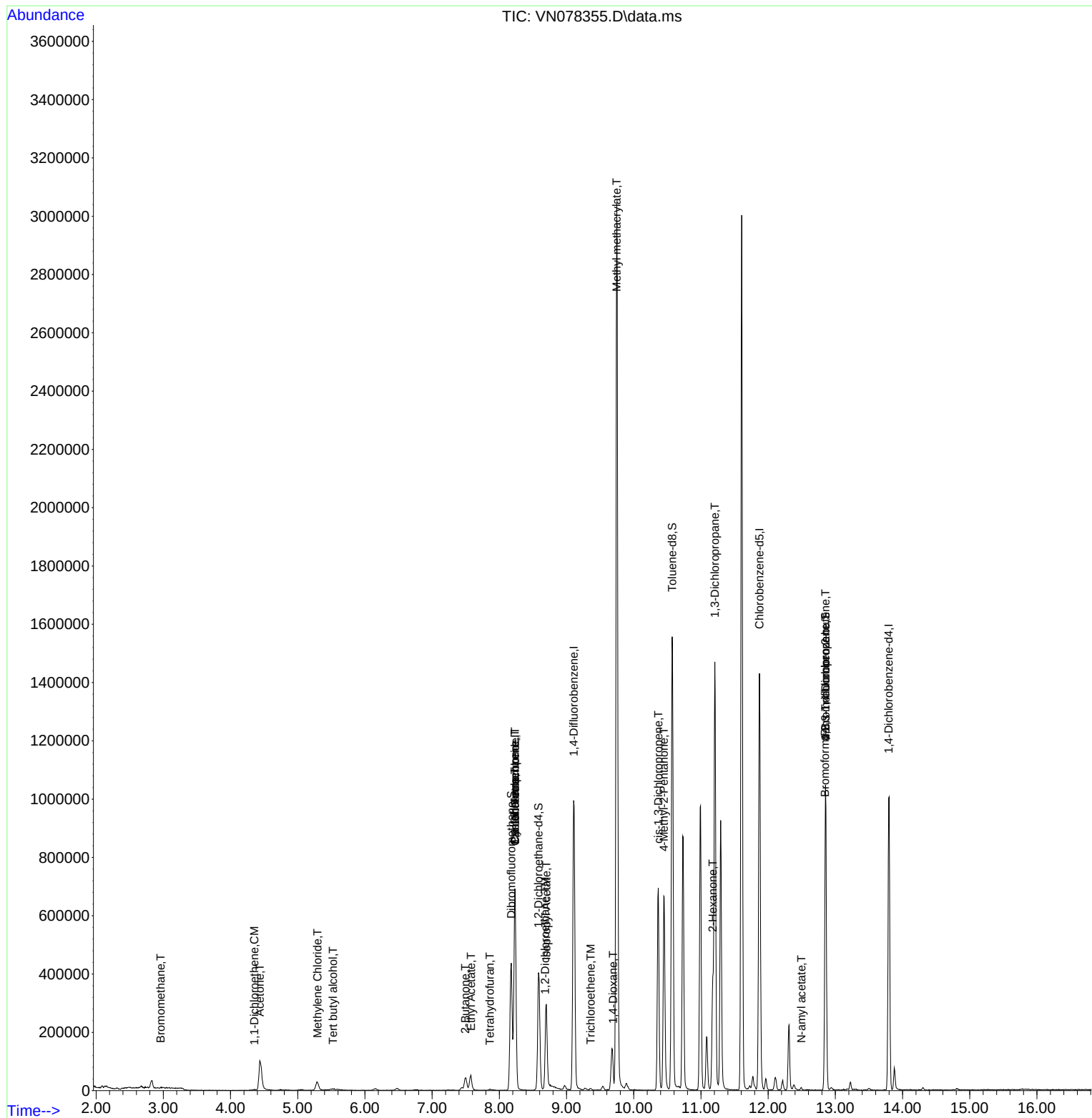
Internal Standards						
1) Pentafluorobenzene	8.230	168	497645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	911275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	854153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	281002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	338409	51.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.000%			
35) Dibromofluoromethane	8.177	113	311580	54.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.160%			
50) Toluene-d8	10.571	98	1109745	49.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.853	95	366227	53.035	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1359	Below Cal	#	42
5) Bromomethane	2.959	94	1191	0.214	ug/l #	54
11) Tert butyl alcohol	5.524	59	2414	2.635	ug/l #	72
12) 1,1-Dichloroethene	4.353	96	1832	0.337	ug/l #	82
16) Acetone	4.436	43	188662	98.784	ug/l	98
20) Methylene Chloride	5.295	84	22815	3.615	ug/l #	91
25) 2-Butanone	7.494	43	64927	22.107	ug/l	90
29) Tetrahydrofuran	7.859	42	2164	1.102	ug/l #	74
31) Cyclohexane	8.230	56	11477	1.348	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	42162	5.101	ug/l #	48
37) Ethyl Acetate	7.577	43	71416	11.061	ug/l	98
38) Carbon Tetrachloride	8.236	117	53467	6.127	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	2501	0.296	ug/l #	73
43) Isopropyl Acetate	8.700	43	335417	27.165	ug/l #	85
44) Trichloroethene	9.359	130	2092	0.321	ug/l	99
48) Methyl methacrylate	9.747	41	270670	52.235	ug/l #	29
49) 1,4-Dioxane	9.694	88	62	0.569	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	445199	68.470	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	129775	13.421	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	15606	1.569	ug/l #	42
59) 2-Hexanone	11.177	43	296142	65.412	ug/l #	19
71) Bromoform	12.847	173	3265	0.752	ug/l #	1
74) N-amyl acetate	12.494	43	3345	0.382	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.941	83	82	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	197970	29.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	197970	91.559	ug/l #	15

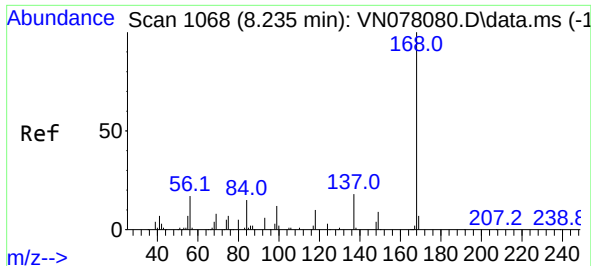
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

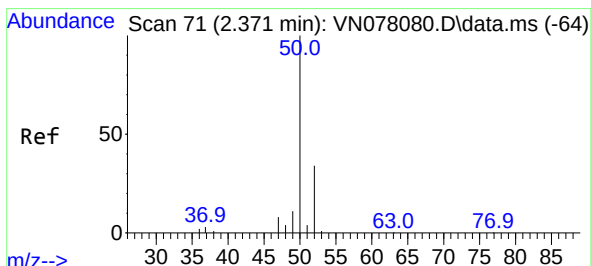
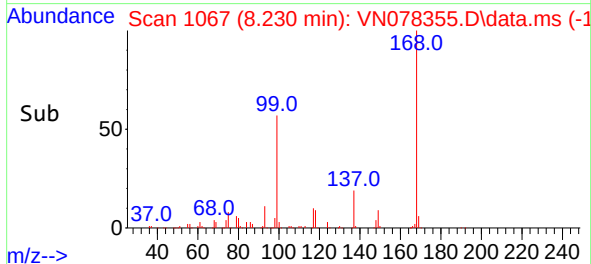
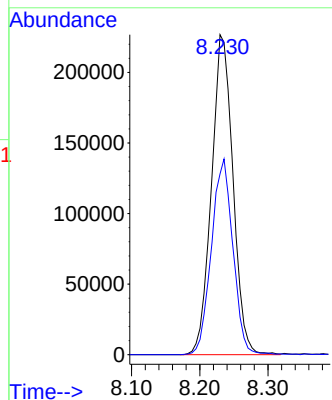
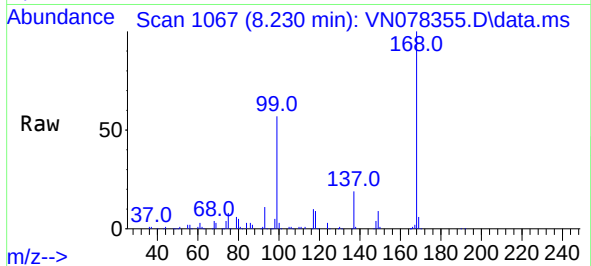




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

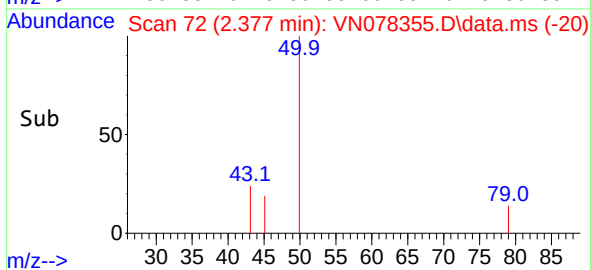
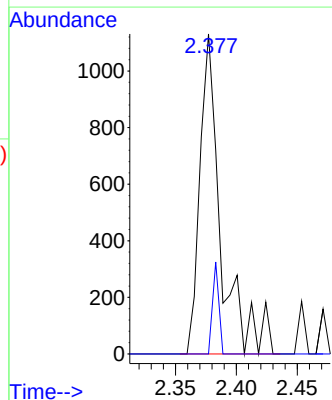
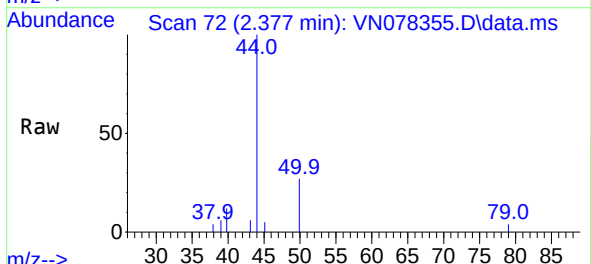
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

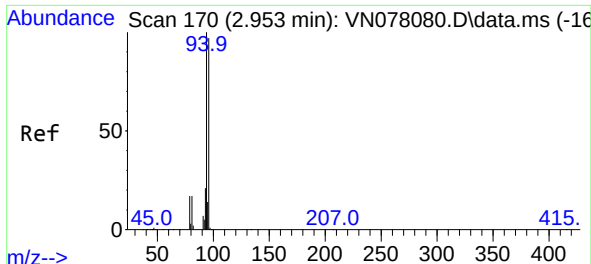
Tgt Ion:168 Resp: 497645
Ion Ratio Lower Upper
168 100
99 56.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 50 Resp: 1359
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

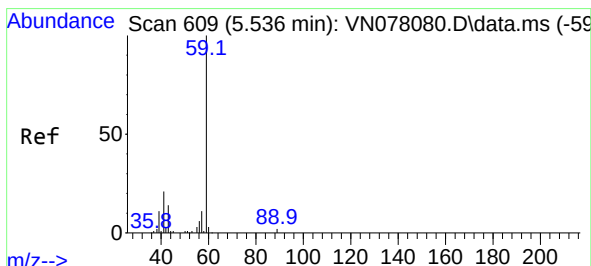
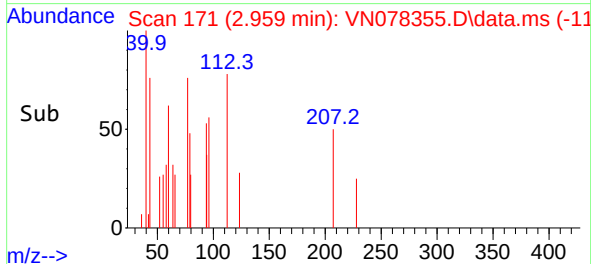
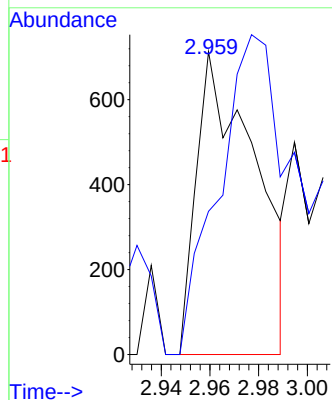
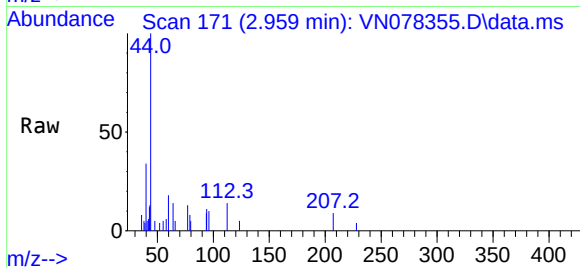




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

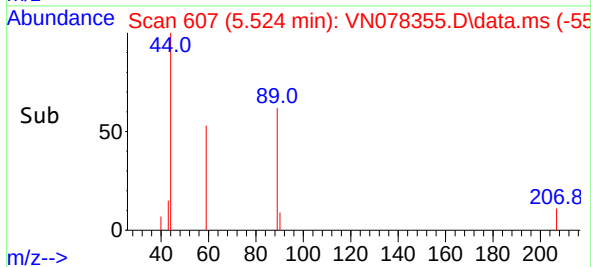
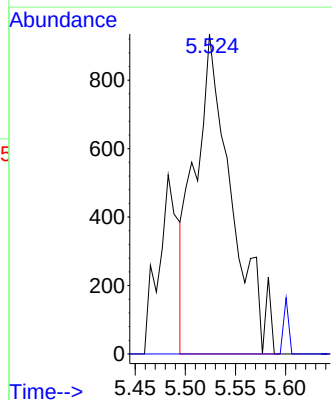
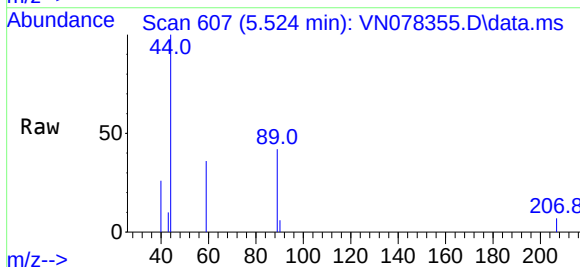
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

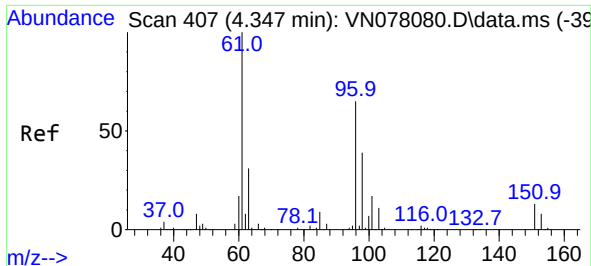
Tgt Ion: 94 Resp: 1191
Ion Ratio Lower Upper
94 100
96 47.3 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.635 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 59 Resp: 2414
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.337 ug/l

RT: 4.353 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB153671TB

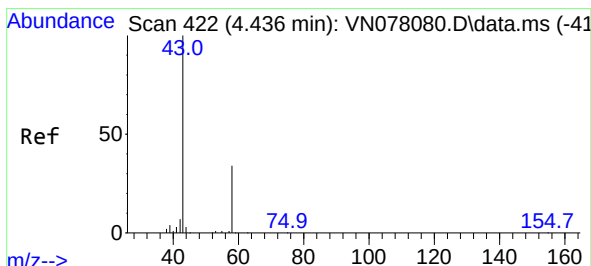
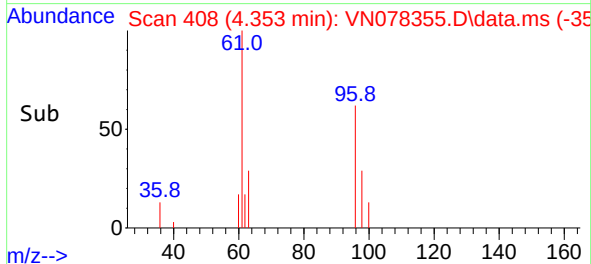
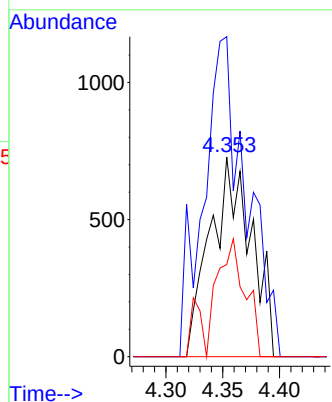
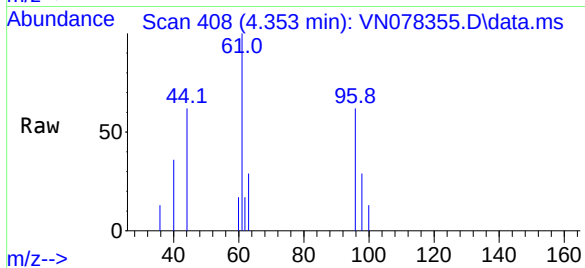
Tgt Ion: 96 Resp: 1832

Ion Ratio Lower Upper

96 100

61 160.3 112.7 169.1

98 46.2 51.2 76.8#



#16

Acetone

Concen: 98.784 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.000 min

Lab File: VN078355.D

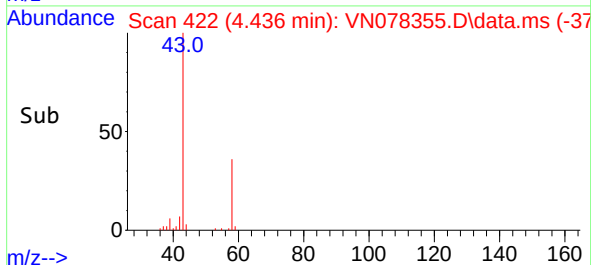
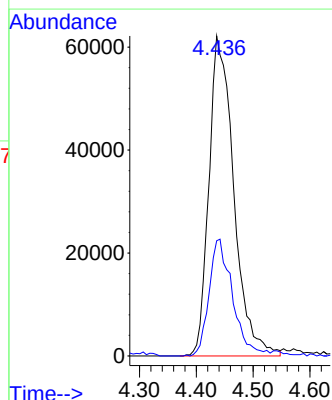
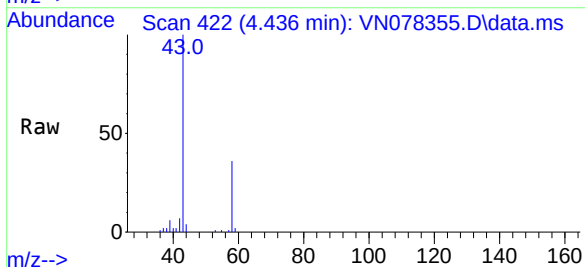
Acq: 22 Jun 2023 17:16

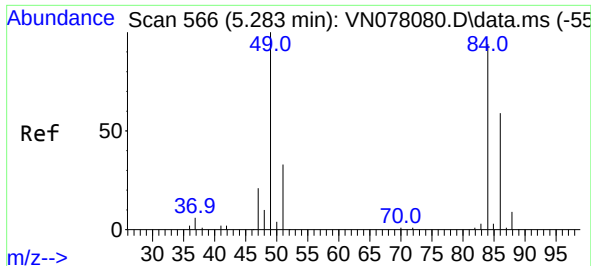
Tgt Ion: 43 Resp: 188662

Ion Ratio Lower Upper

43 100

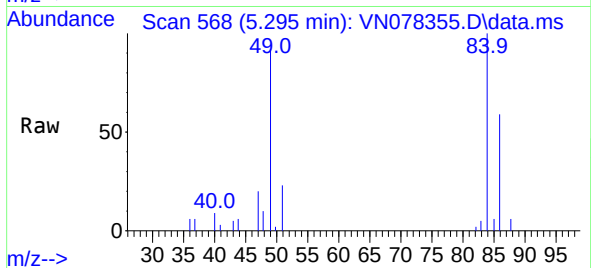
58 36.0 28.0 42.0



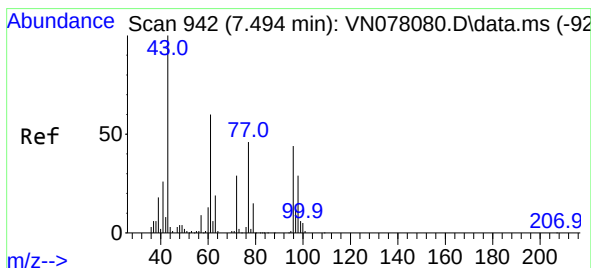
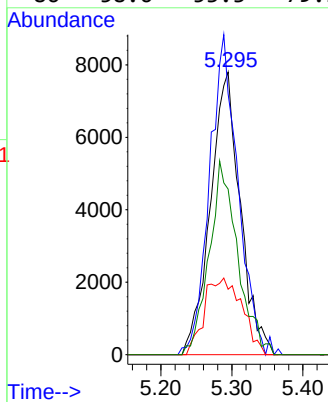
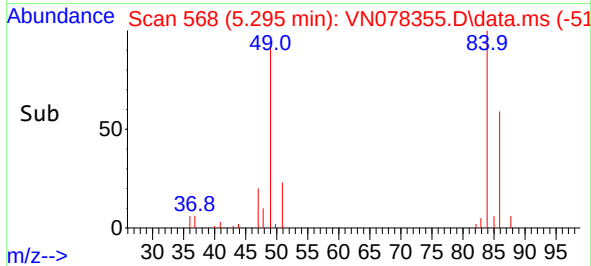


#20
Methylene Chloride
Concen: 3.615 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

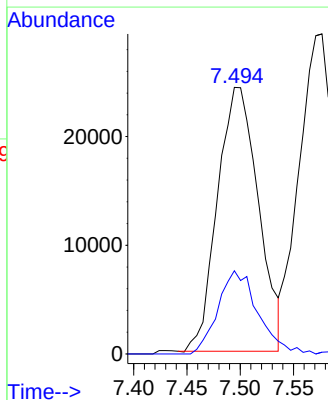
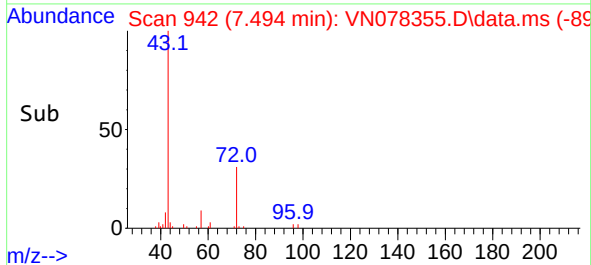
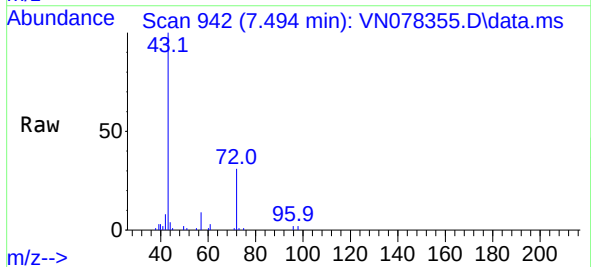


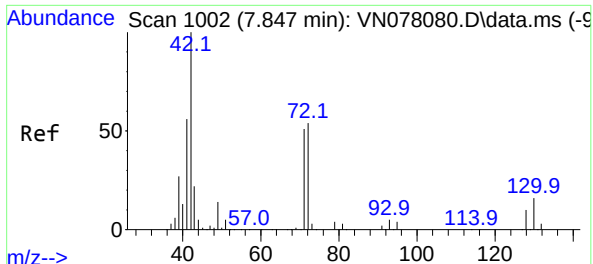
Tgt Ion:	84	Resp:	22815
Ion	Ratio	Lower	Upper
84	100		
49	92.3	79.7	119.5
51	23.2	25.2	37.8#
86	58.6	53.3	79.9



#25
2-Butanone
Concen: 22.107 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion:	43	Resp:	64927
Ion	Ratio	Lower	Upper
43	100		
72	31.5	30.2	45.2





#29

Tetrahydrofuran

Concen: 1.102 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

PB153671TB

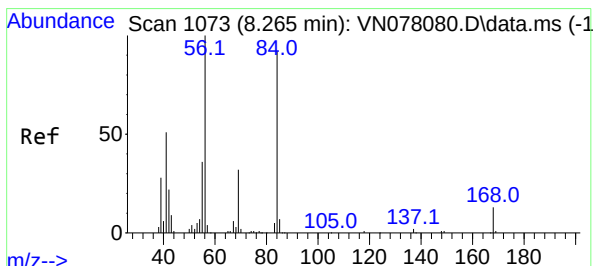
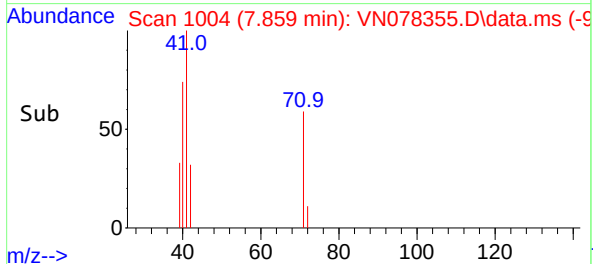
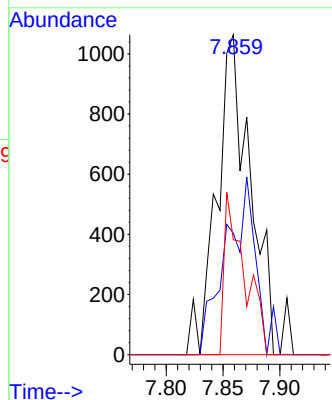
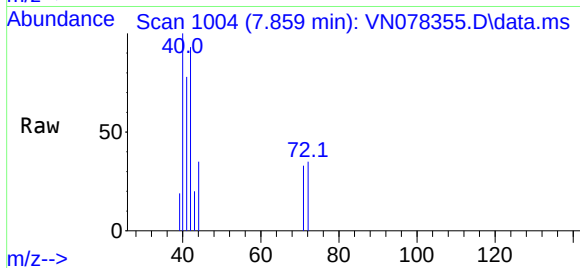
Tgt Ion: 42 Resp: 2164

Ion Ratio Lower Upper

42 100

72 50.6 49.8 74.6

71 31.1 47.4 71.2#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

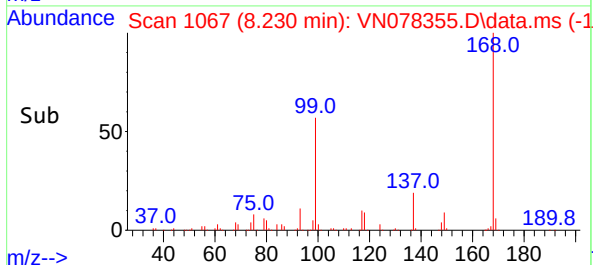
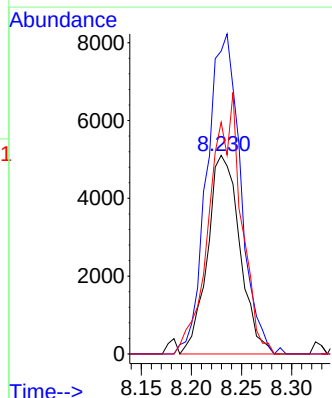
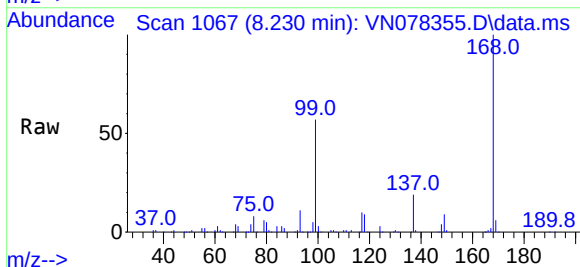
Tgt Ion: 56 Resp: 11477

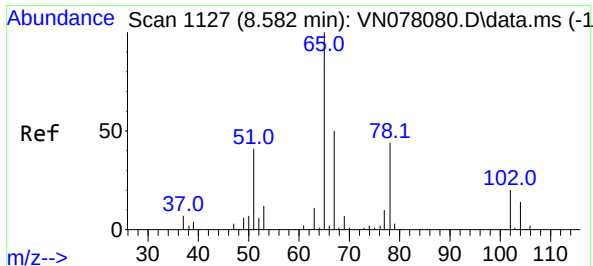
Ion Ratio Lower Upper

56 100

69 149.4 26.8 40.2#

84 116.7 81.8 122.6

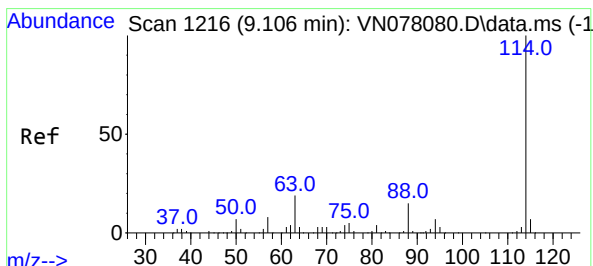
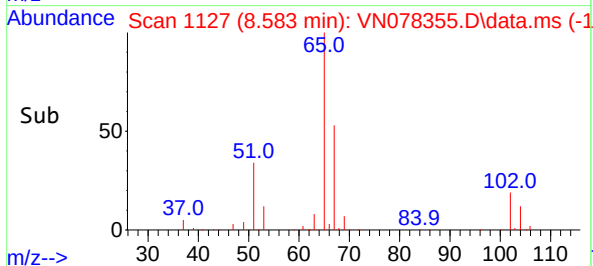
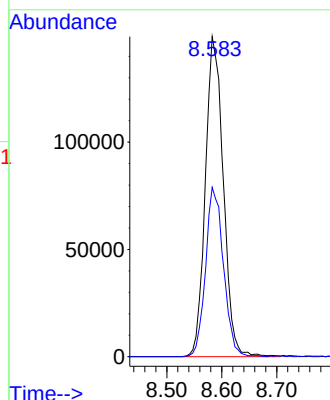
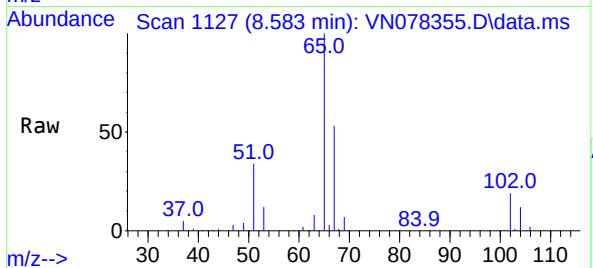




#33
1,2-Dichloroethane-d4
Concen: 51.003 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

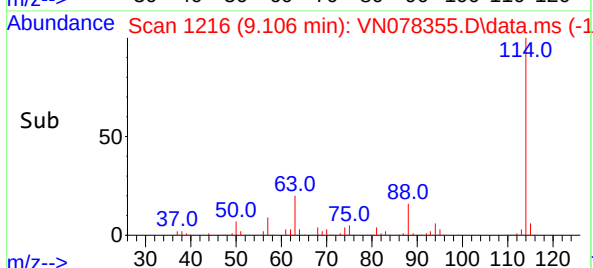
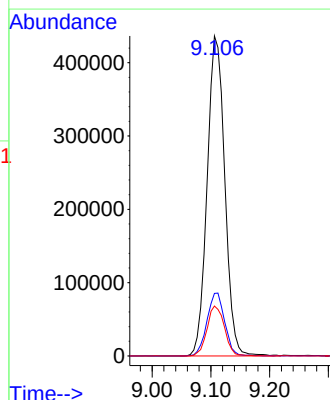
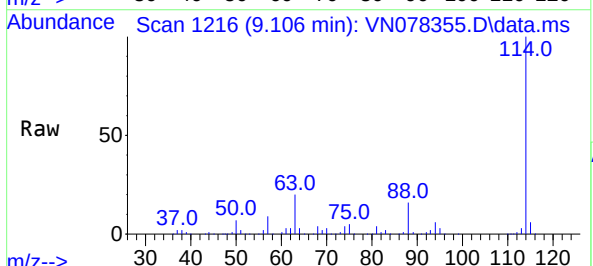
Instrument :
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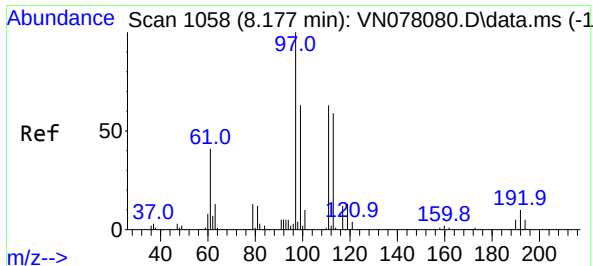
Tgt Ion: 65 Resp: 338409
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 114 Resp: 911275
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.6 0.0 30.6

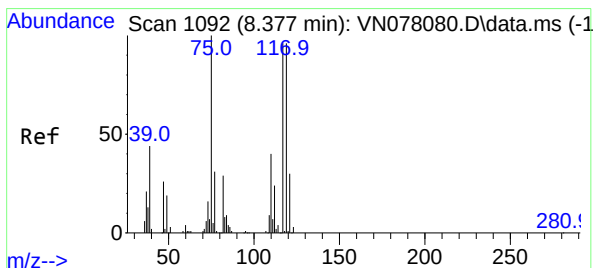
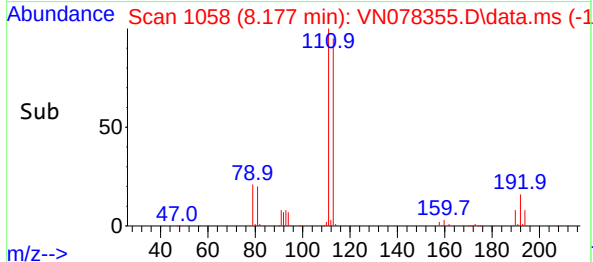
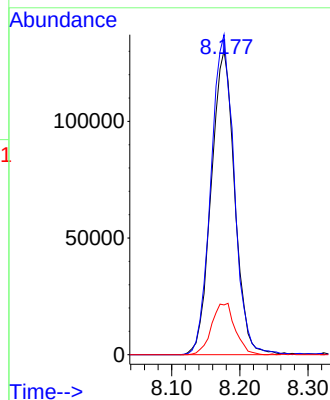
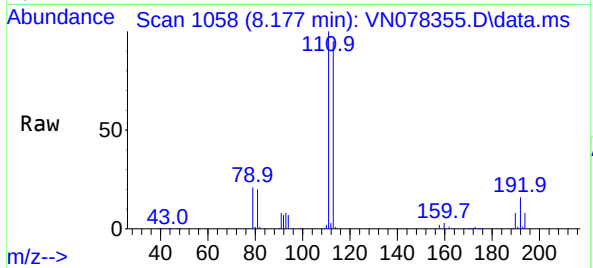




#35
Dibromofluoromethane
Concen: 54.076 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

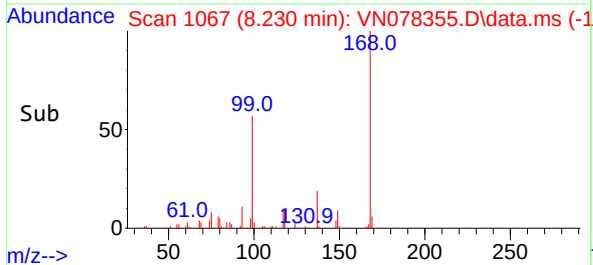
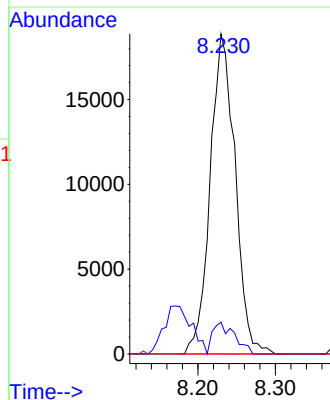
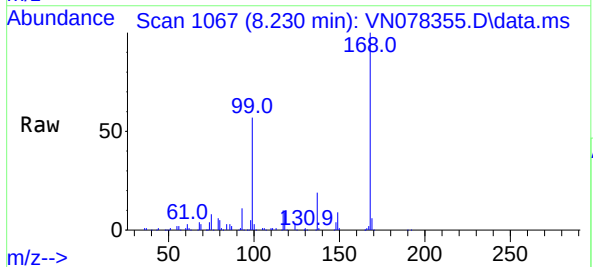
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

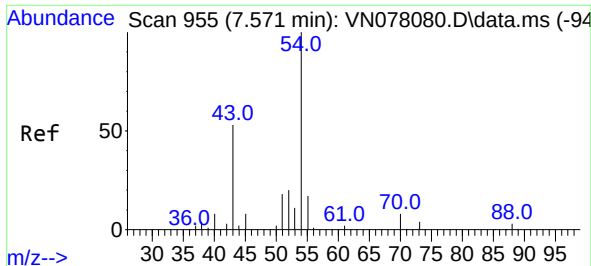
Tgt Ion:113 Resp: 311580
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 75 Resp: 42162
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#

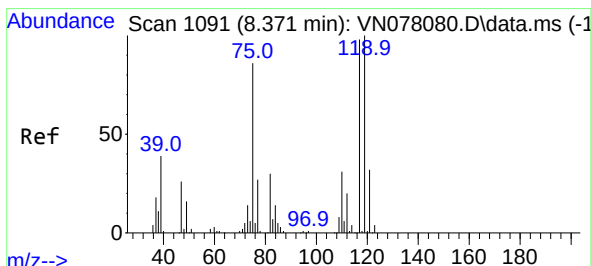
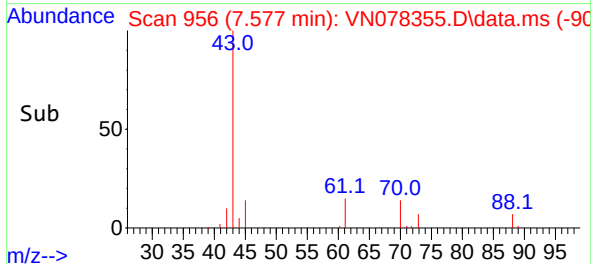
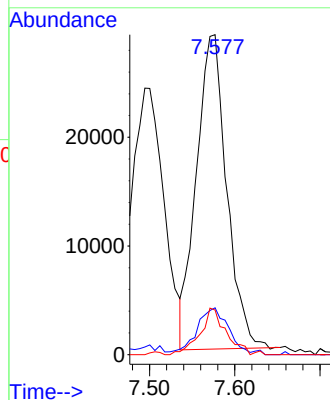
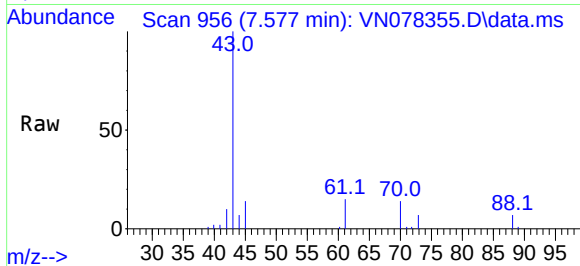




#37
Ethyl Acetate
Concen: 11.061 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

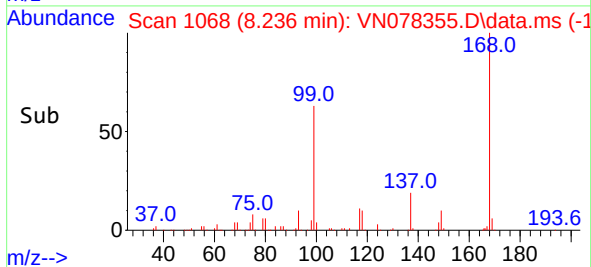
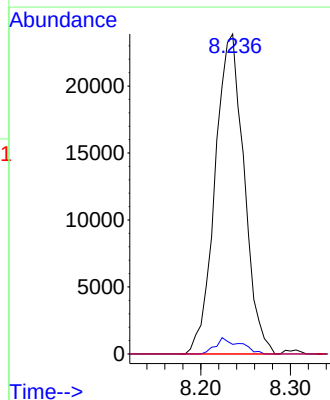
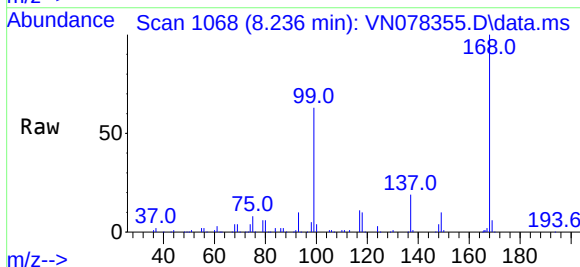
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

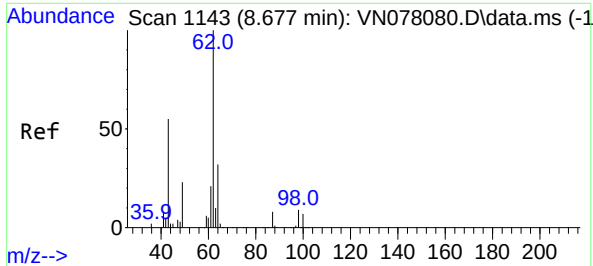
Tgt Ion:	43	Resp:	71416
Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.2	19.8
70	12.7	11.3	16.9



#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion:	117	Resp:	53467
Ion	Ratio	Lower	Upper
117	100		
119	3.0	77.3	115.9#
121	0.0	23.3	34.9#

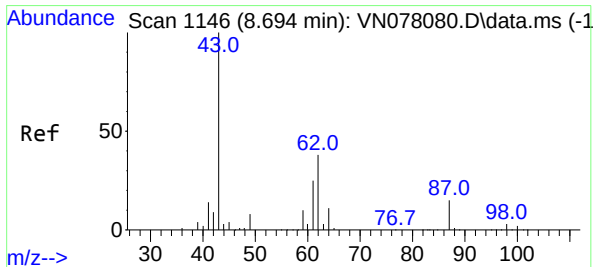
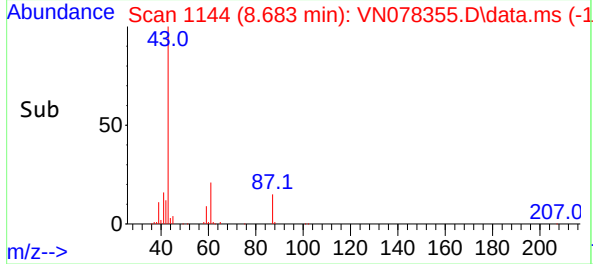
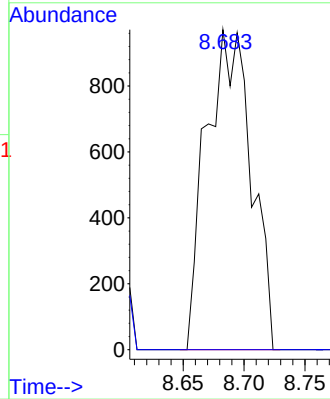
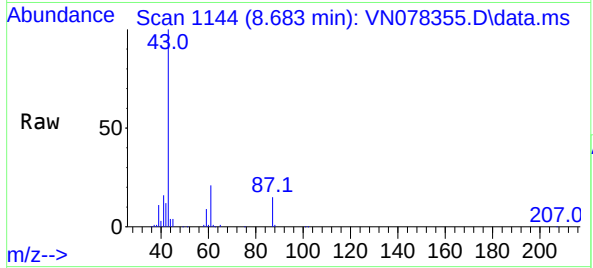




#42
 1,2-Dichloroethane
 Concen: 0.296 ug/l
 RT: 8.683 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VN078355.D
 Acq: 22 Jun 2023 17:16

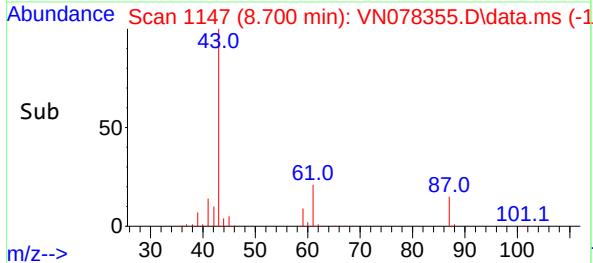
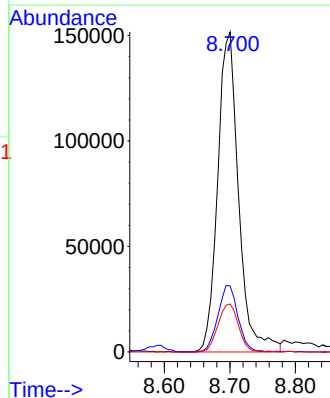
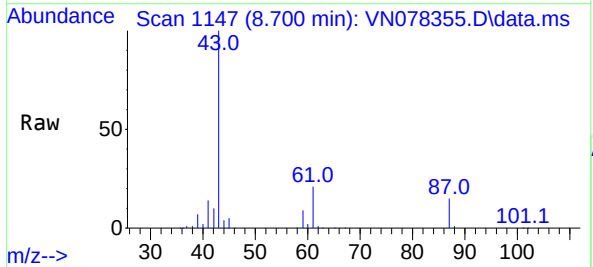
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153671TB

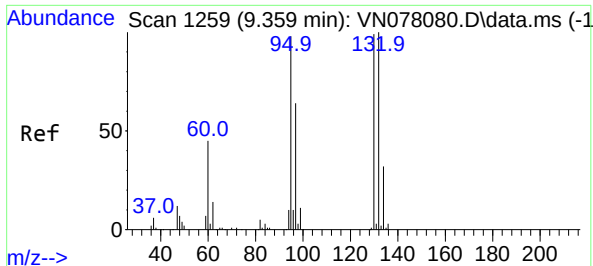
Tgt Ion:	62	Resp:	2501
Ion Ratio	Lower	Upper	
62	100		
98	0.0	0.0	19.8



#43
 Isopropyl Acetate
 Concen: 27.165 ug/l
 RT: 8.700 min Scan# 1147
 Delta R.T. 0.006 min
 Lab File: VN078355.D
 Acq: 22 Jun 2023 17:16

Tgt Ion:	43	Resp:	335417
Ion Ratio	Lower	Upper	
43	100		
61	19.9	24.7	37.1#
87	14.8	14.6	21.8

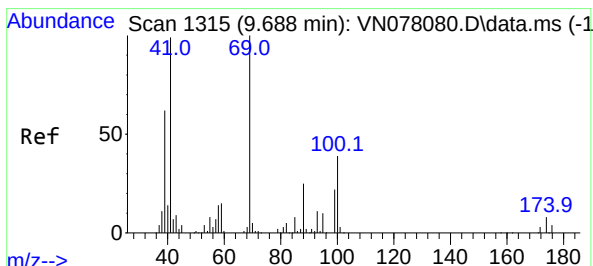
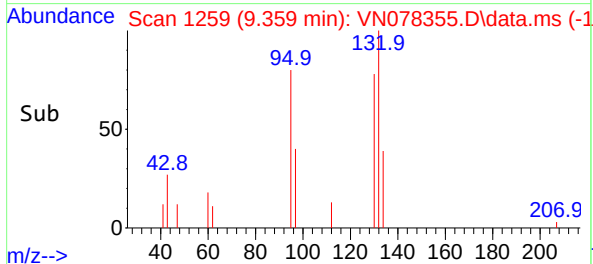
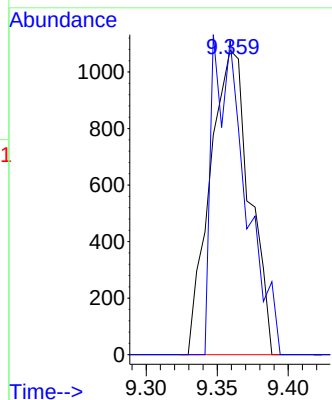
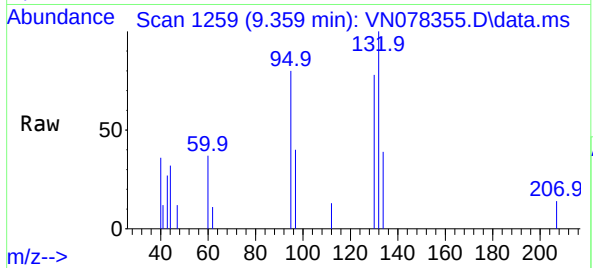




#44
Trichloroethene
Concen: 0.321 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

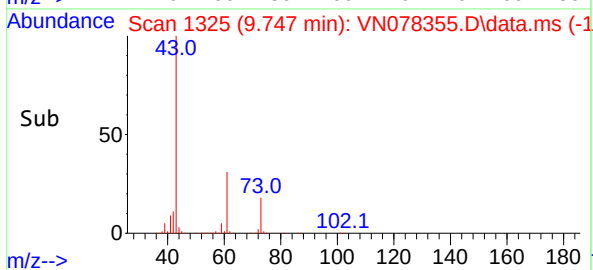
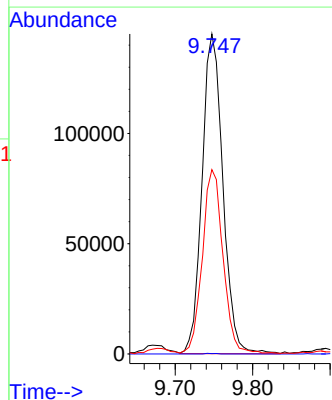
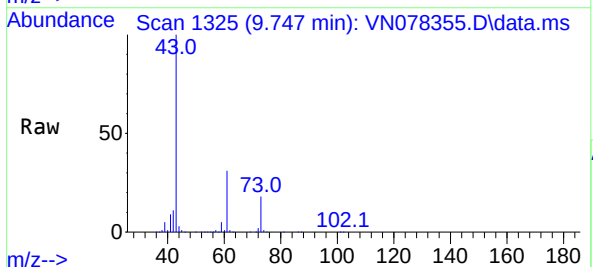
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

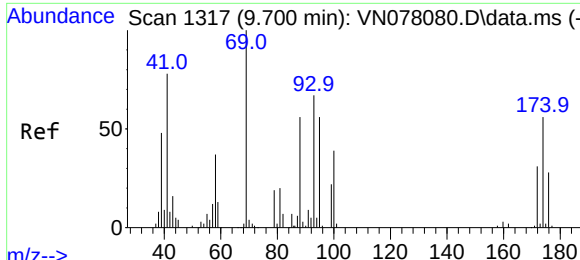
Tgt Ion:130 Resp: 2092
Ion Ratio Lower Upper
130 100
95 103.2 0.0 204.6



#48
Methyl methacrylate
Concen: 52.235 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 41 Resp: 270670
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 56.8 54.6 81.8



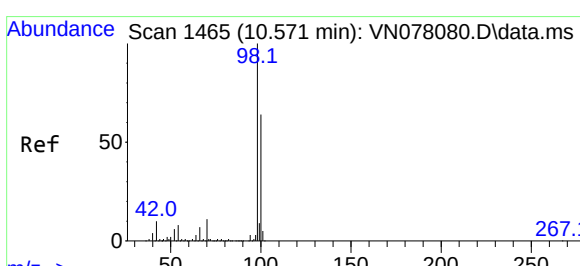
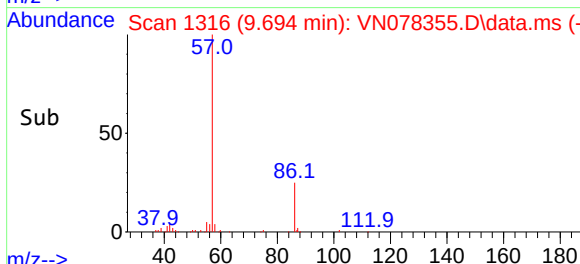
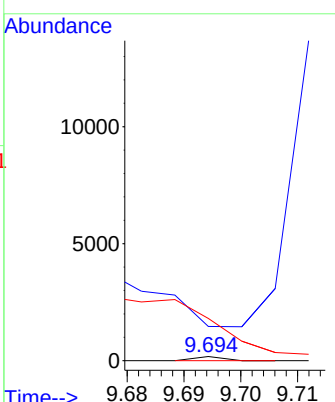
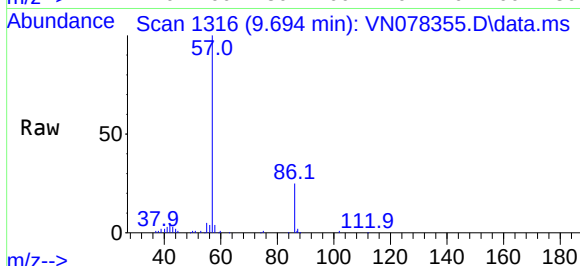


#49
1,4-Dioxane
Concen: 0.569 ug/l
RT: 9.694 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

Tgt Ion: 88 Resp: 62

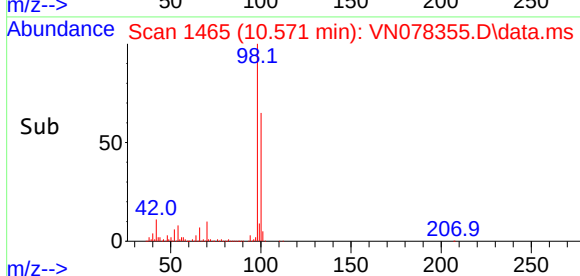
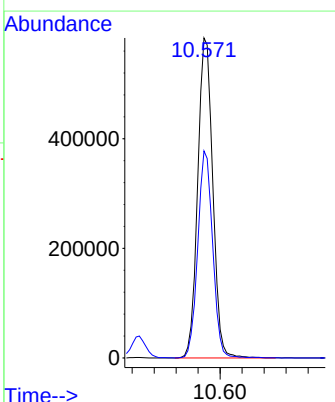
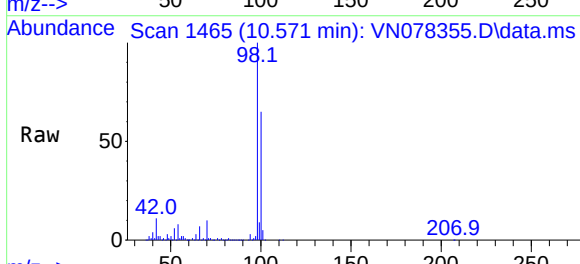
Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.0	25.6#
58	0.0	47.0	70.4#

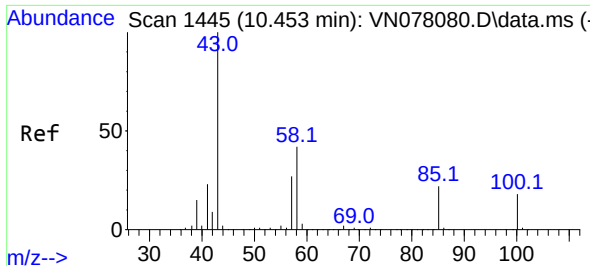


#50
Toluene-d8
Concen: 49.960 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 98 Resp: 1109745

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 68.470 ug/l

RT: 10.447 min Scan# 1445

Delta R.T. -0.006 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

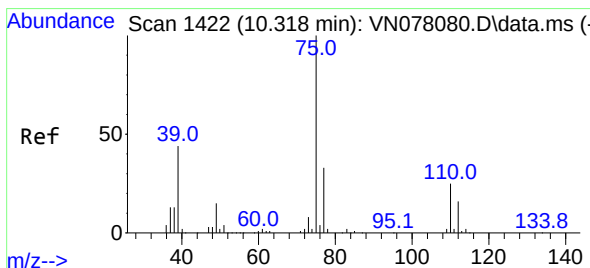
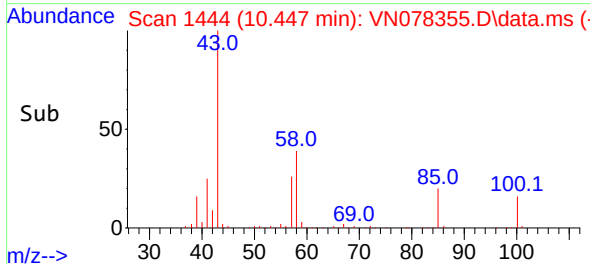
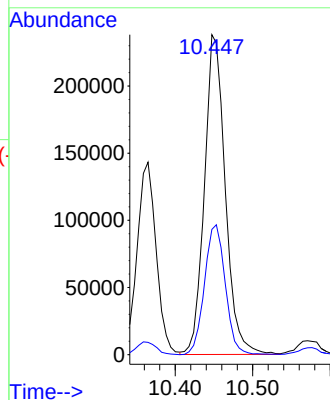
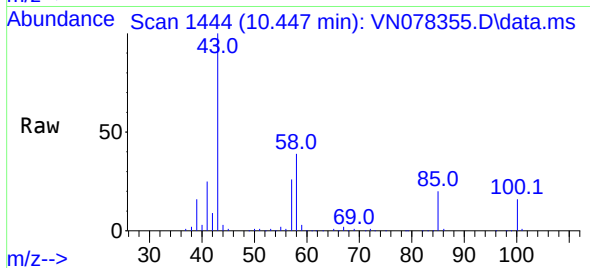
PB153671TB

Tgt Ion: 43 Resp: 445199

Ion Ratio Lower Upper

43 100

58 40.6 36.6 54.8



#54

cis-1,3-Dichloropropene

Concen: 13.421 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

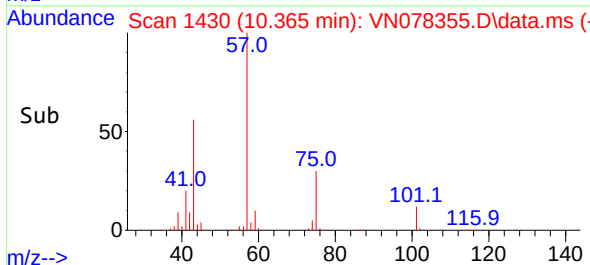
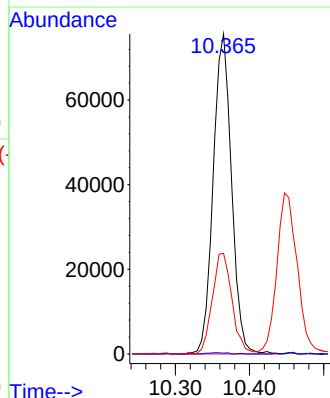
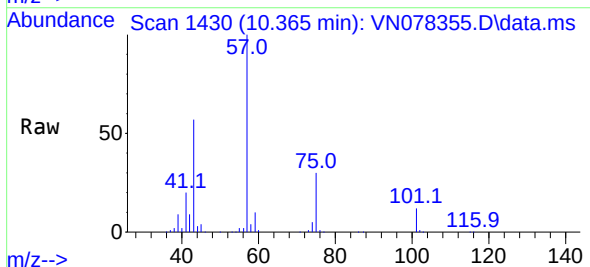
Tgt Ion: 75 Resp: 129775

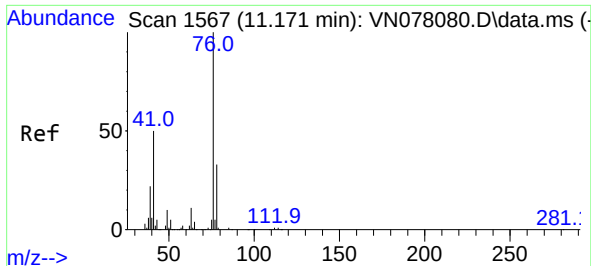
Ion Ratio Lower Upper

75 100

77 0.3 26.1 39.1#

39 31.4 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.569 ug/l

RT: 11.206 min Scan# 1568

Delta R.T. 0.035 min

Lab File: VN078355.D

Acq: 22 Jun 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

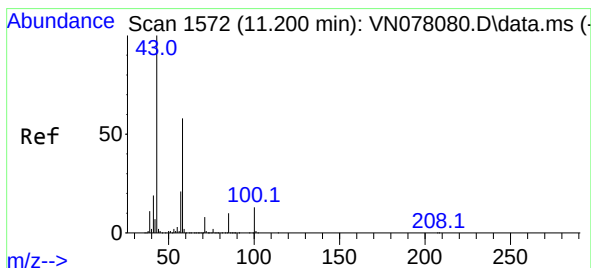
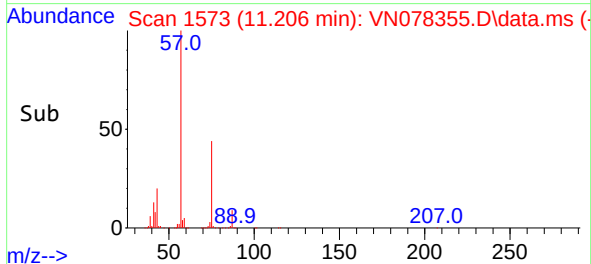
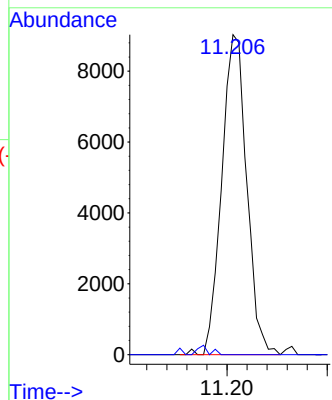
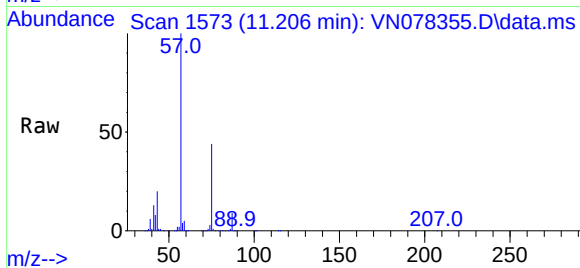
PB153671TB

Tgt Ion: 76 Resp: 15606

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 65.412 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078355.D

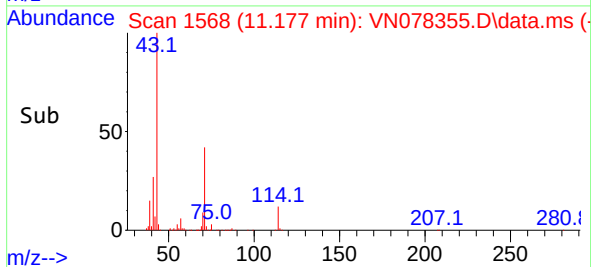
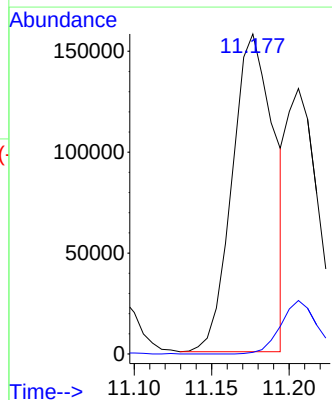
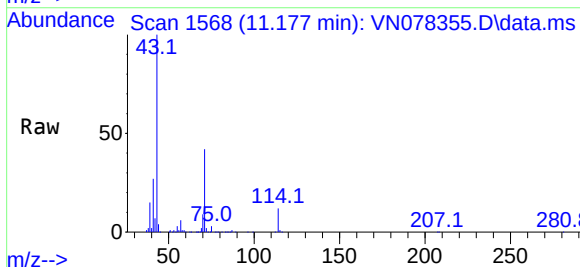
Acq: 22 Jun 2023 17:16

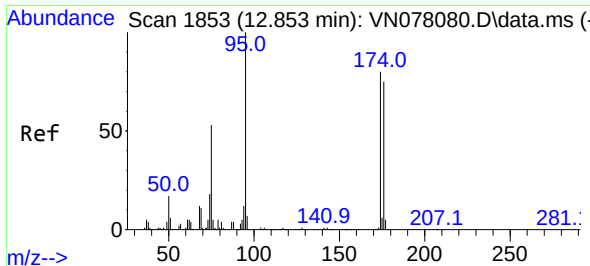
Tgt Ion: 43 Resp: 296142

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

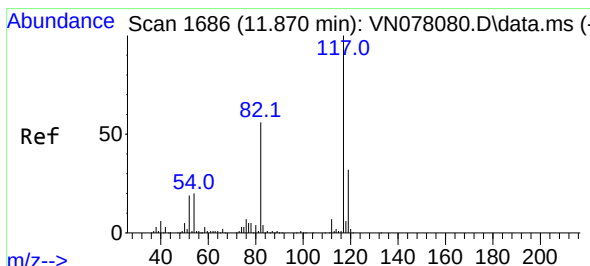
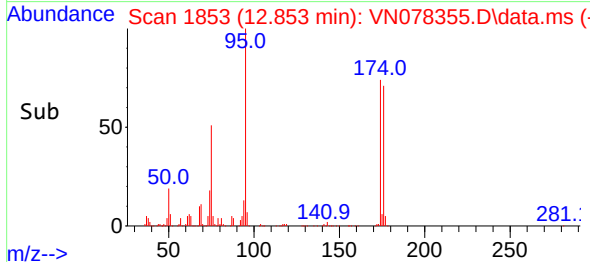
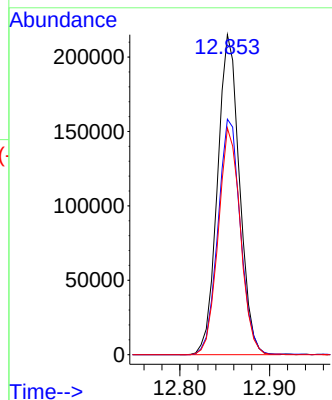
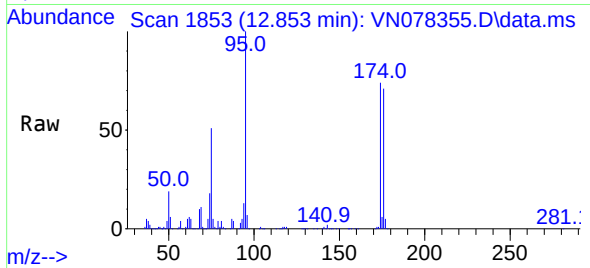




#62
4-Bromofluorobenzene
Concen: 53.035 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

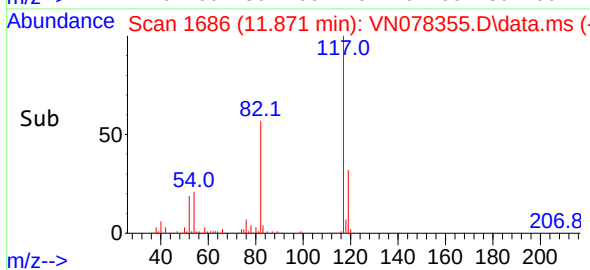
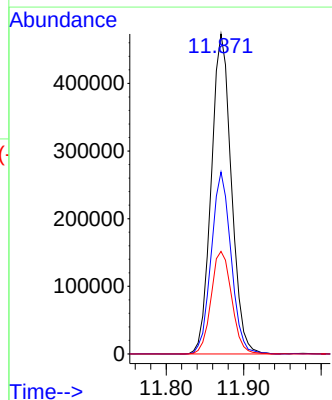
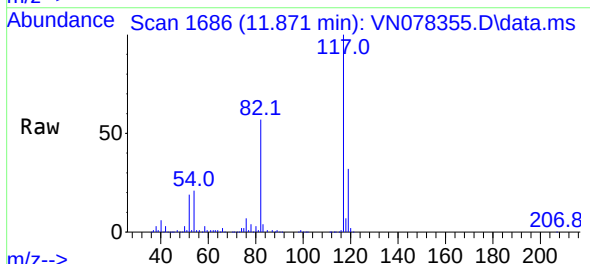
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

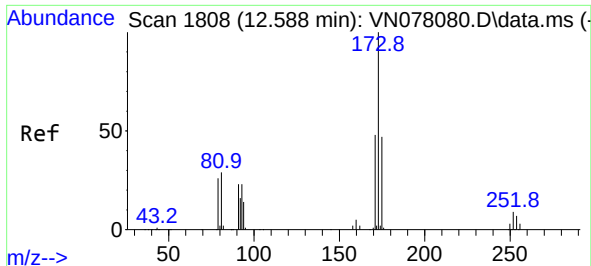
Tgt Ion: 95 Resp: 366227
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 117 Resp: 854153
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.0 25.6 38.4

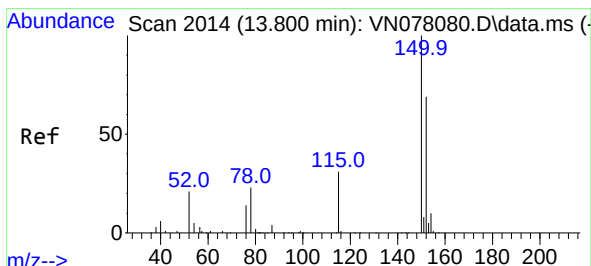
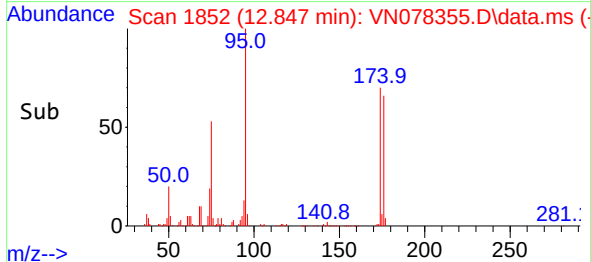
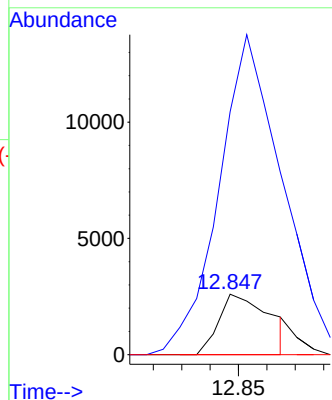
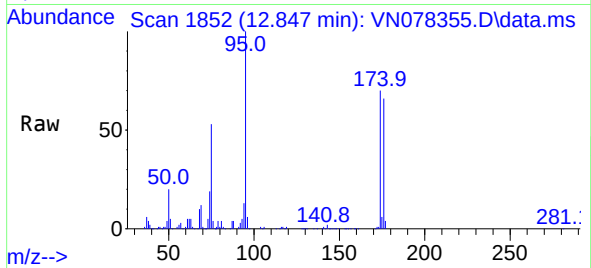




#71
Bromoform
Concen: 0.752 ug/l
RT: 12.847 min Scan# 1808
Delta R.T. 0.259 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

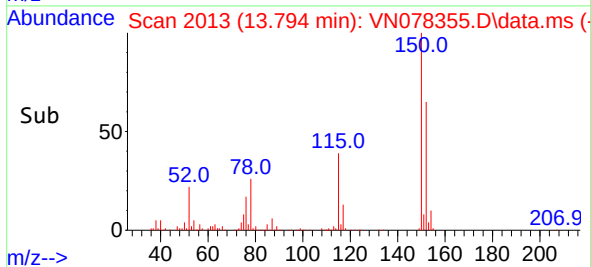
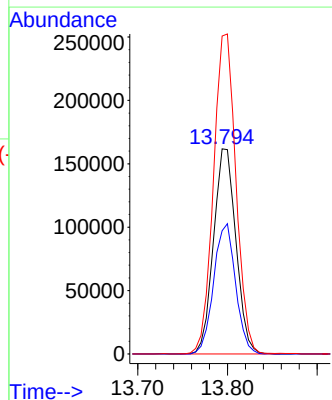
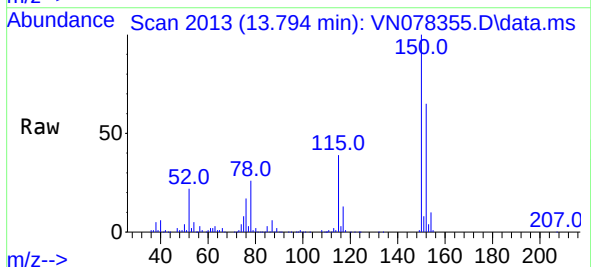
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

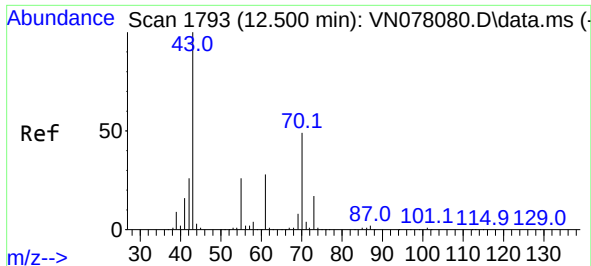
Tgt Ion:173 Resp: 3265
Ion Ratio Lower Upper
173 100
175 565.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion:152 Resp: 281002
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 156.5 0.0 355.8

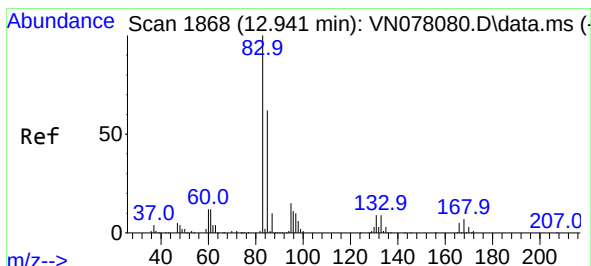
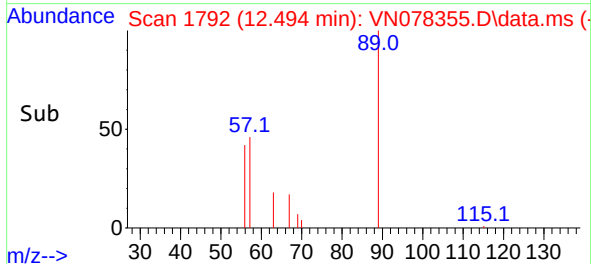
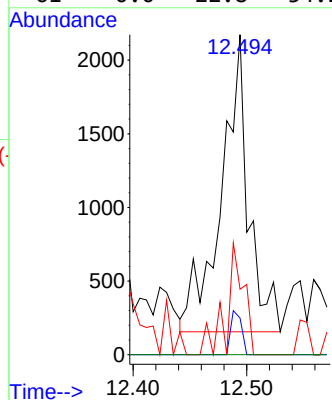
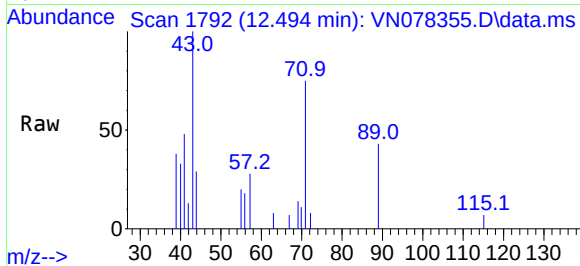




#74
N-amy1 acetate
Concen: 0.382 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

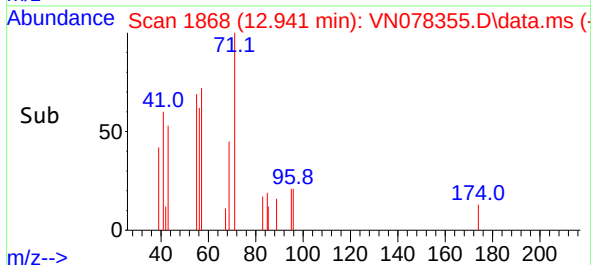
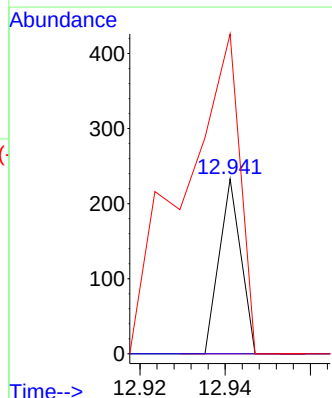
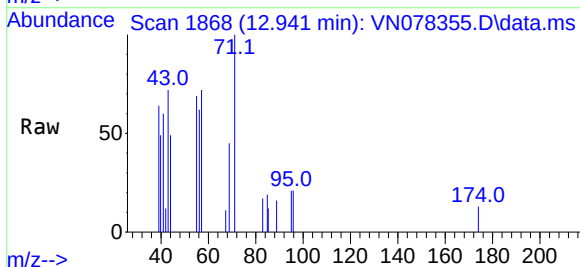
Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

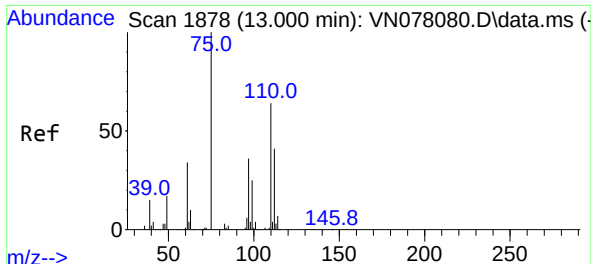
Tgt Ion: 43	Resp: 3345
Ion Ratio	Lower Upper
43 100	
70 5.8	43.4 65.2#
55 23.8	21.4 32.0
61 0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 83	Resp: 82		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.0	15.0#	
85 482.9	31.9	95.7#	

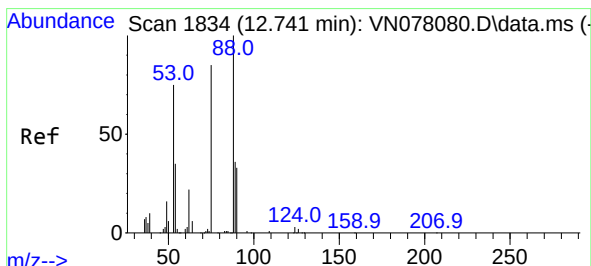
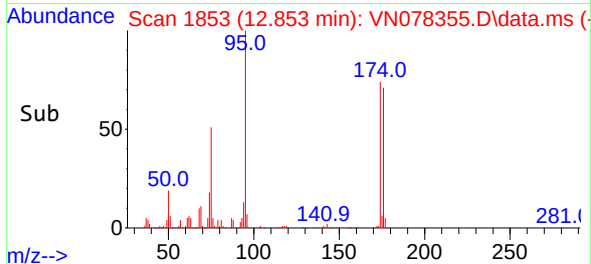
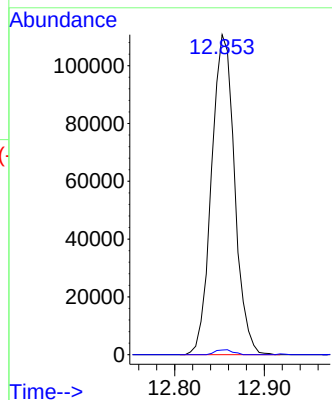
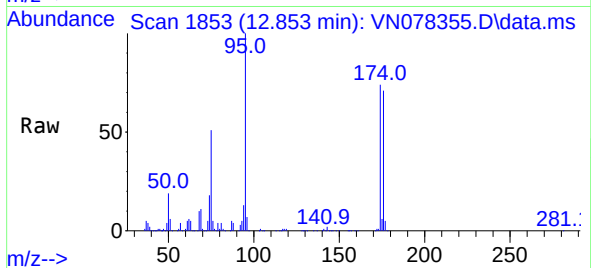




#76
1,2,3-Trichloropropane
Concen: 29.801 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Instrument :
MSVOA_N
ClientSampleId :
PB153671TB

Tgt Ion: 75 Resp: 197970
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.559 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078355.D
Acq: 22 Jun 2023 17:16

Tgt Ion: 75 Resp: 197970
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

