

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076004.D
 Acq On : 28 Dec 2022 16:57
 Operator : JC\MD
 Sample : N6213-06 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-6

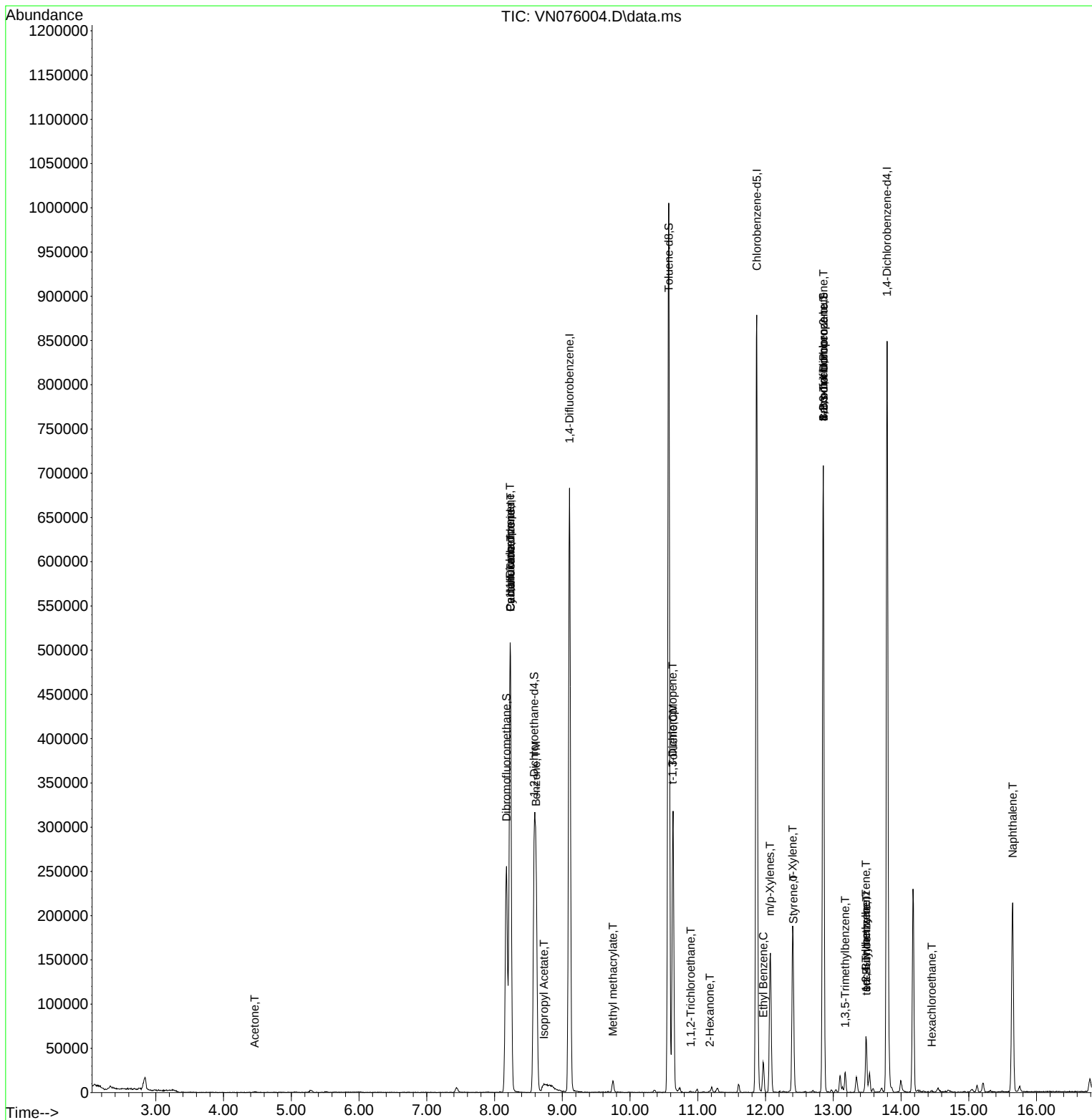
Quant Time: Dec 29 04:54:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

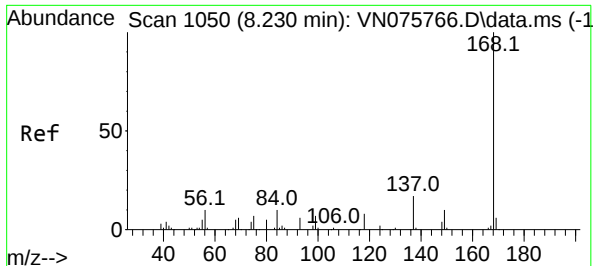
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	403455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	633785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	547138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	203853	46.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.880%		
35) Dibromofluoromethane	8.177	113	183846	46.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.680%		
50) Toluene-d8	10.571	98	717799	48.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.853	95	233487	48.038	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.080%		
Target Compounds					Qvalue	
16) Acetone	4.459	43	841	0.556	ug/l #	39
20) Methylene Chloride	5.283	84	1995	Below Cal	#	77
31) Cyclohexane	8.236	56	7736	1.231	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	28009	5.372	ug/l #	50
38) Carbon Tetrachloride	8.236	117	39437	6.758	ug/l #	16
40) Benzene	8.612	78	239362	14.879	ug/l	99
43) Isopropyl Acetate	8.730	43	8088	1.171	ug/l #	50
48) Methyl methacrylate	9.747	41	1153	0.371	ug/l #	38
52) Toluene	10.635	92	147278	14.057	ug/l	99
53) t-1,3-Dichloropropene	10.630	75	1737	0.312	ug/l #	1
55) 1,1,2-Trichloroethane	10.894	97	1096	0.267	ug/l #	16
59) 2-Hexanone	11.177	43	1633	0.536	ug/l #	25
67) Ethyl Benzene	11.965	91	24428	1.289	ug/l	93
68) m/p-Xylenes	12.065	106	53675	7.155	ug/l	98
69) o-Xylene	12.400	106	51244	6.903	ug/l	99
70) Styrene	12.412	104	23664	2.005	ug/l #	80
71) Bromoform	12.853	173	1548	0.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119080	24.097	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	12342	0.832	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	119080	86.737	ug/l #	12
83) tert-Butylbenzene	13.488	119	5193	0.397	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.482	105	37483	2.548	ug/l	95
85) sec-Butylbenzene	13.482	105	37483	2.077	ug/l #	56
90) Hexachloroethane	14.453	117	1213	0.452	ug/l #	11
95) Naphthalene	15.647	128	209928	17.227	ug/l	99

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

Quant Time: Dec 29 04:54:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
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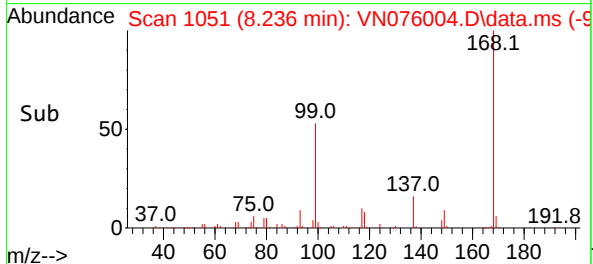
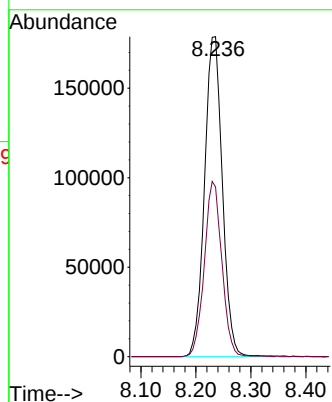
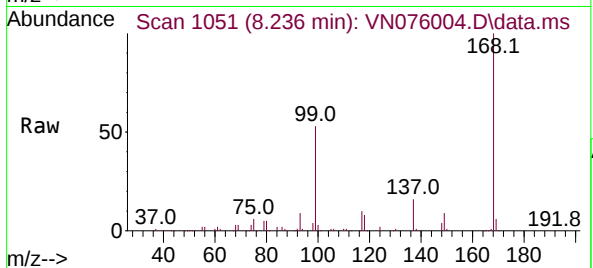




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

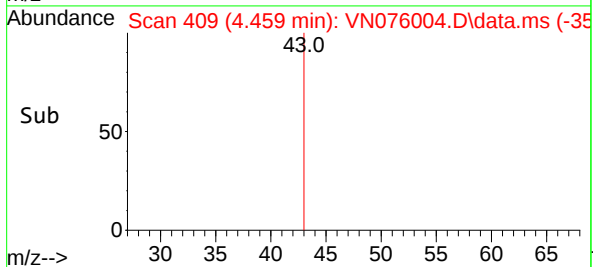
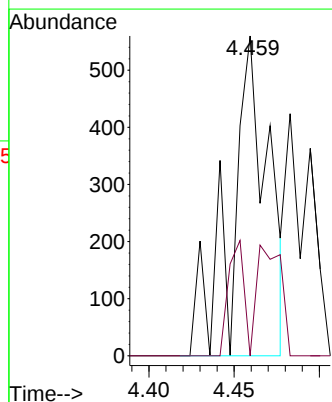
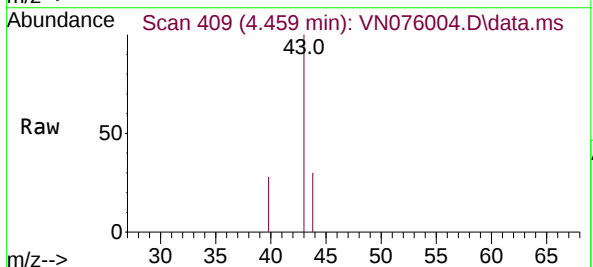
Instrument :
MSVOA_N
ClientSampleId :
SB-6

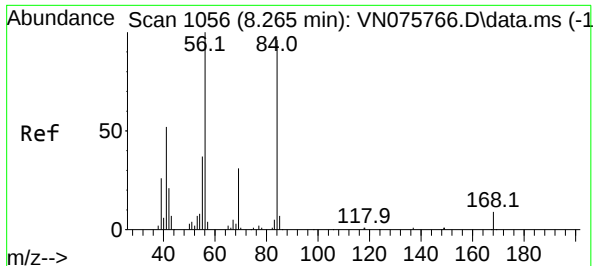
Tgt Ion:168 Resp: 403455
Ion Ratio Lower Upper
168 100
99 53.1 44.2 66.4



#16
Acetone
Concen: 0.556 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

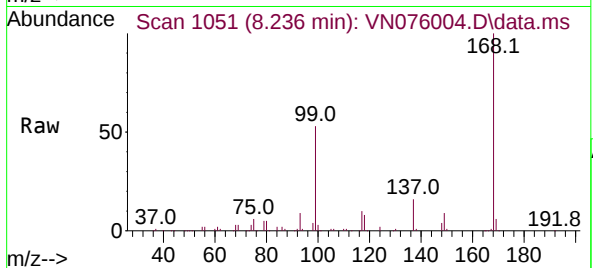
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



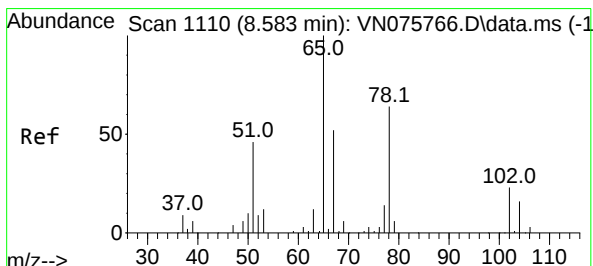
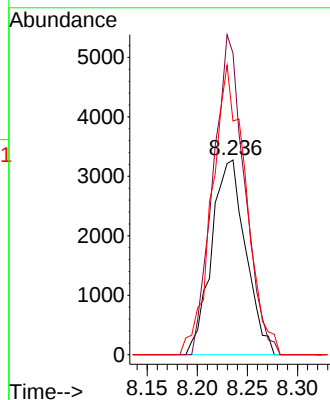
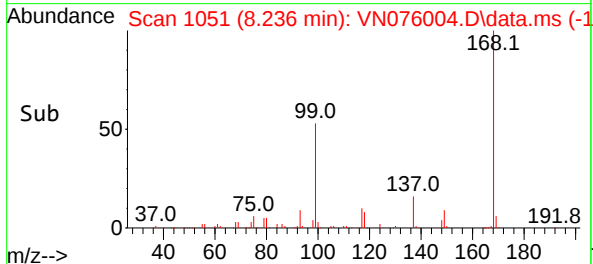


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Instrument :
MSVOA_N
ClientSampleId :
SB-6

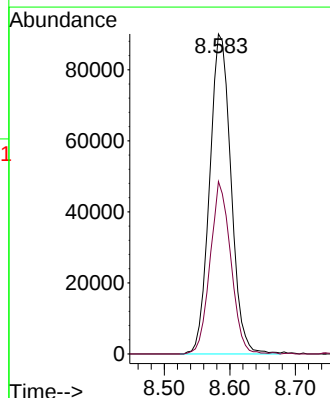
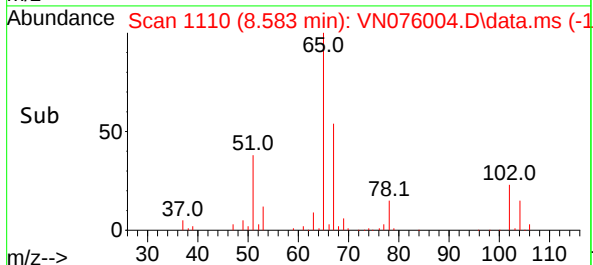
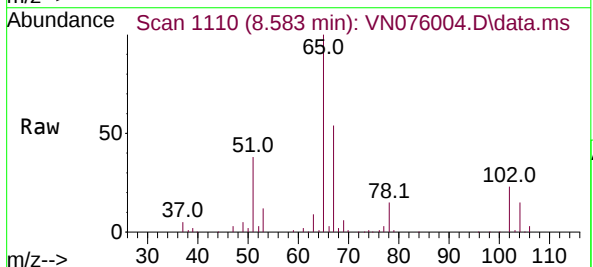


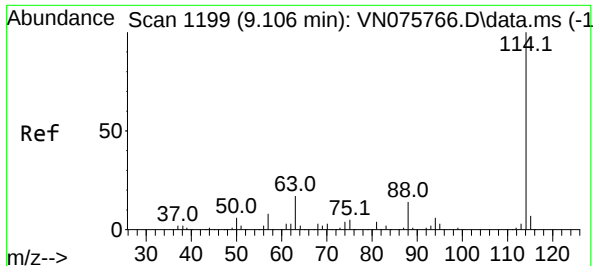
Tgt Ion: 56 Resp: 7736
Ion Ratio Lower Upper
56 100
69 154.8 24.7 37.1#
84 120.0 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 46.444 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 65 Resp: 203853
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

Instrument :

MSVOA_N

ClientSampleId :

SB-6

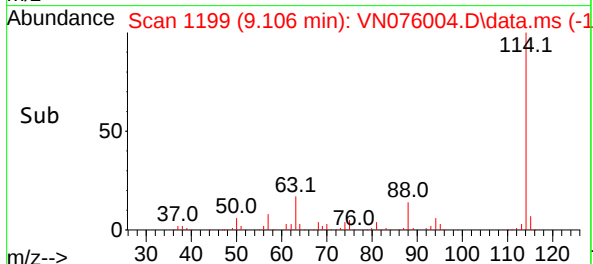
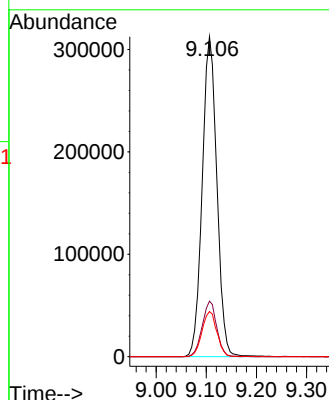
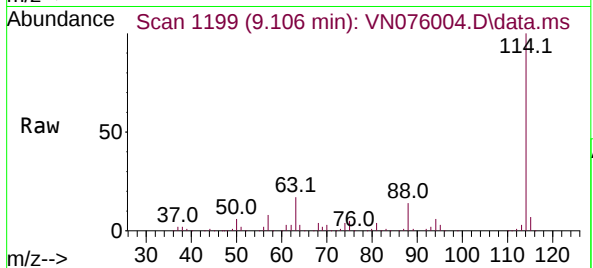
Tgt Ion:114 Resp: 633785

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.840 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

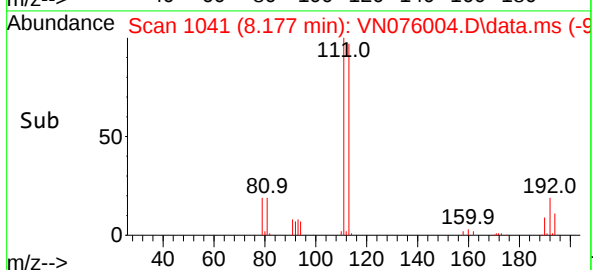
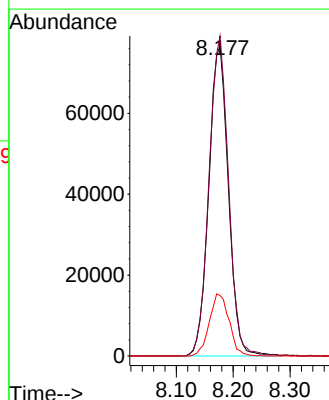
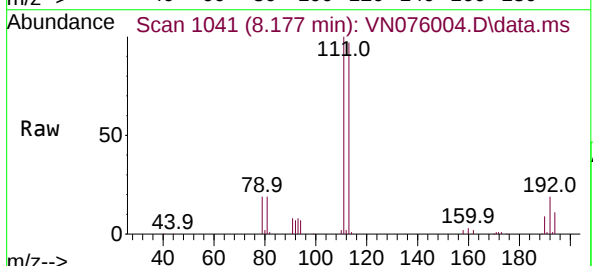
Tgt Ion:113 Resp: 183846

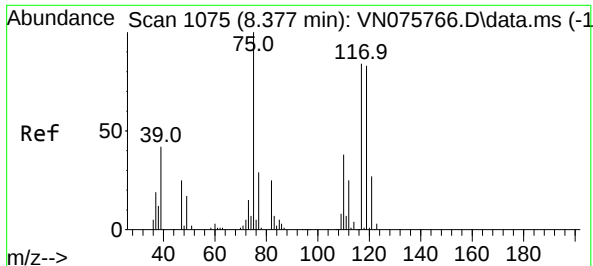
Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

192 20.1 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.372 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

Instrument :

MSVOA_N

ClientSampleId :

SB-6

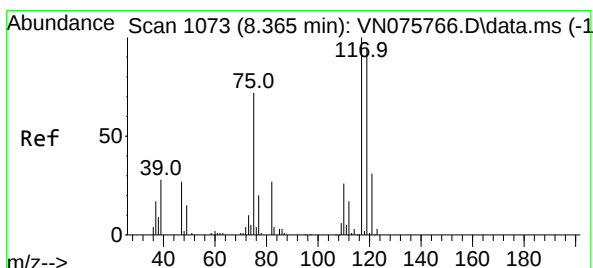
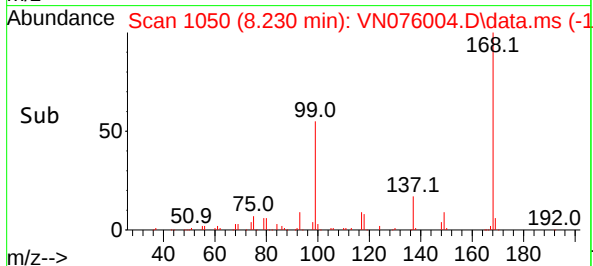
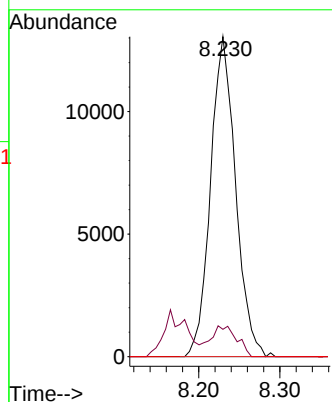
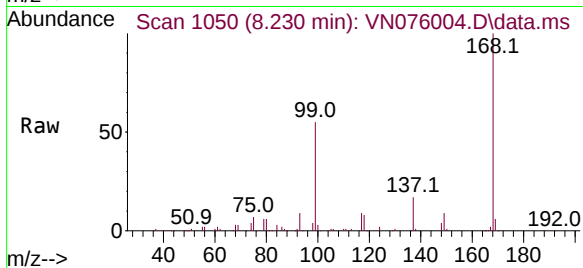
Tgt Ion: 75 Resp: 28009

Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.758 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

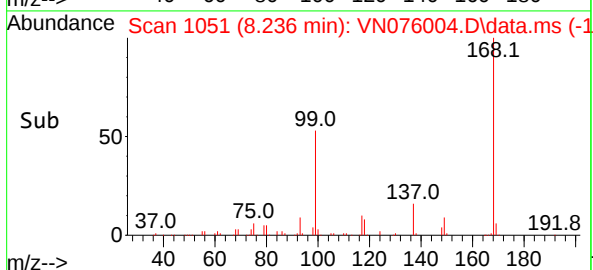
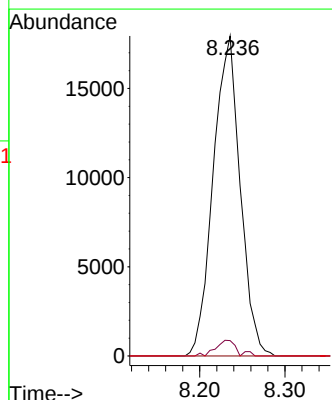
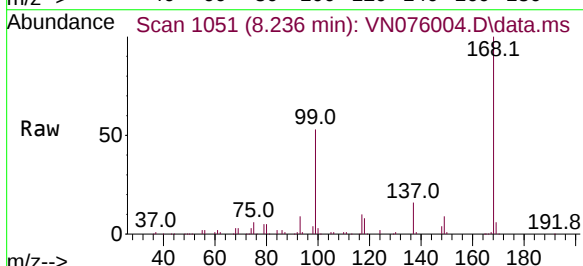
Tgt Ion: 117 Resp: 39437

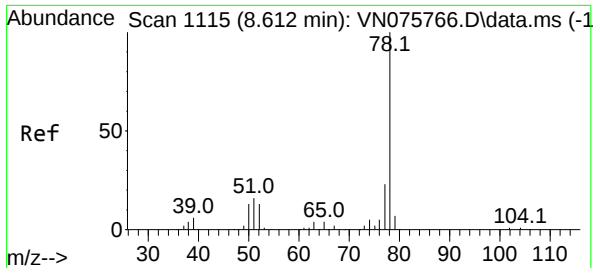
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.5 36.7#

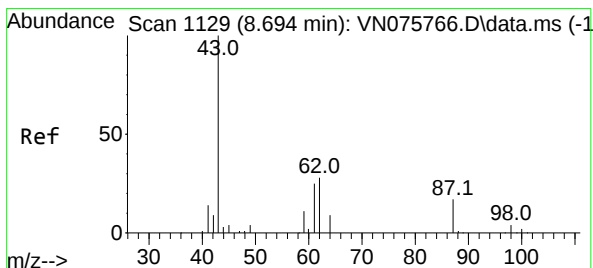
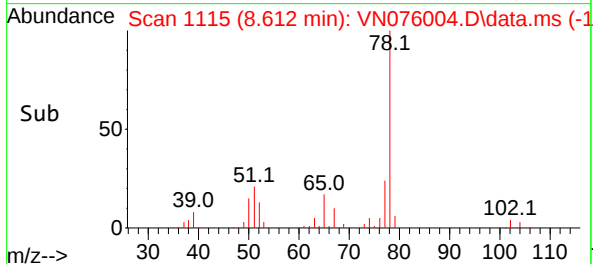
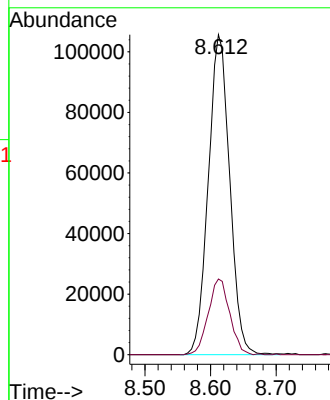
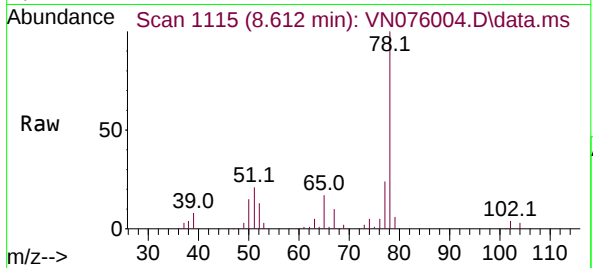




#40
Benzene
Concen: 14.879 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

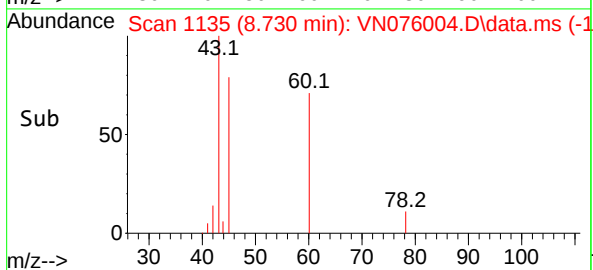
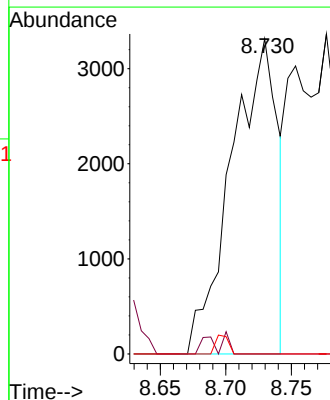
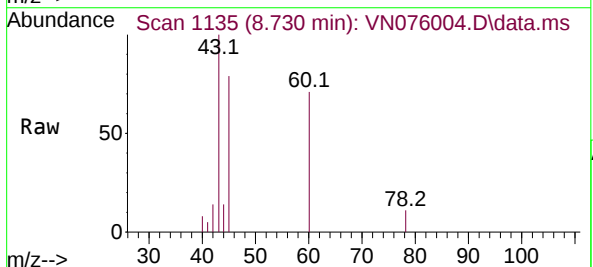
Instrument :
MSVOA_N
ClientSampleId :
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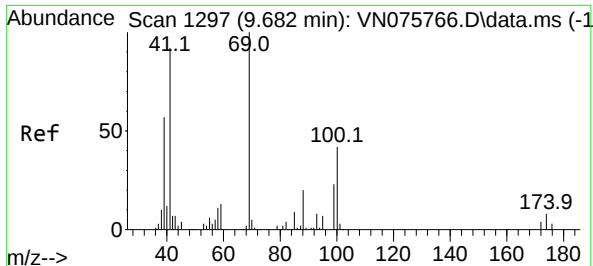
Tgt Ion: 78 Resp: 239362
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7



#43
Isopropyl Acetate
Concen: 1.171 ug/l
RT: 8.730 min Scan# 1135
Delta R.T. 0.035 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 43 Resp: 8088
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#





#48

Methyl methacrylate

Concen: 0.371 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

Instrument :

MSVOA_N

ClientSampleId :

SB-6

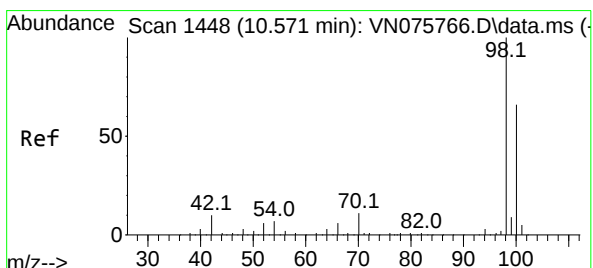
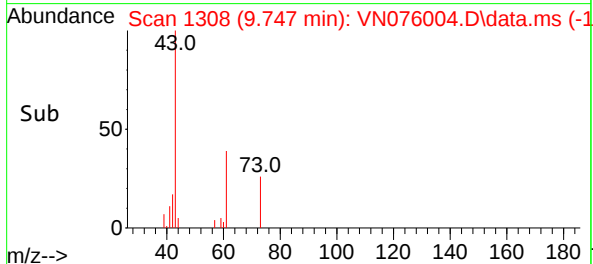
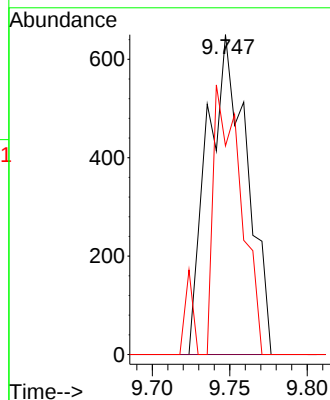
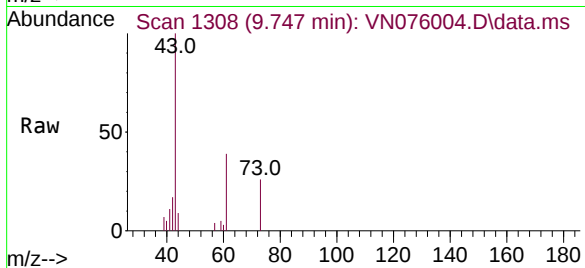
Tgt Ion: 41 Resp: 1153

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 63.5 51.6 77.4



#50

Toluene-d8

Concen: 48.913 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076004.D

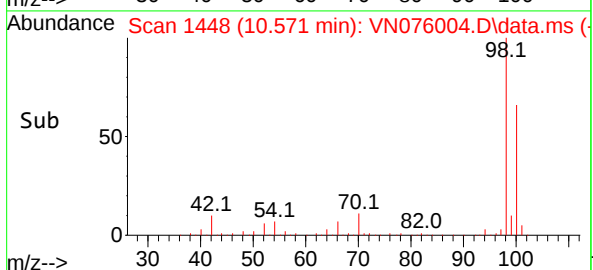
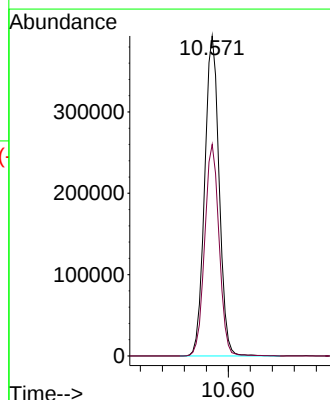
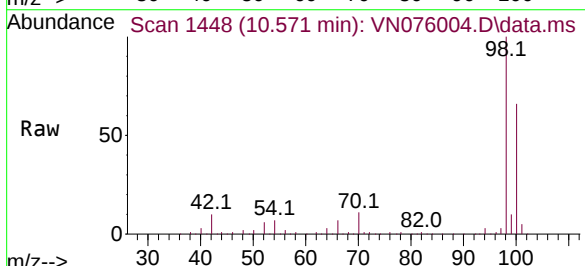
Acq: 28 Dec 2022 16:57

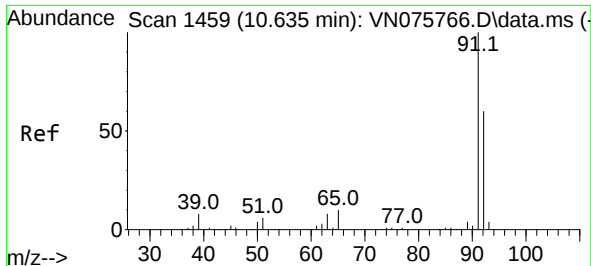
Tgt Ion: 98 Resp: 717799

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1

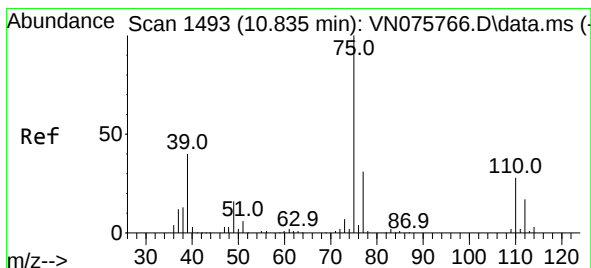
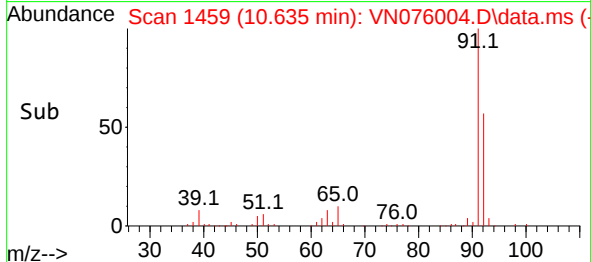
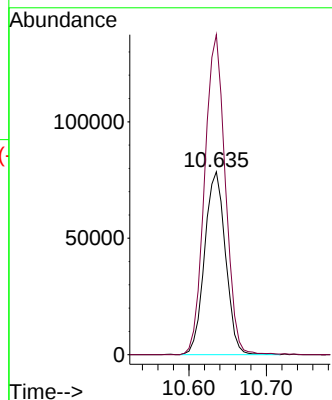
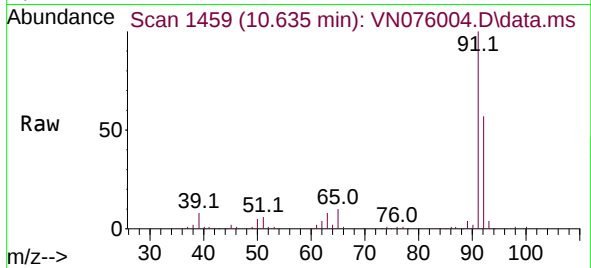




#52
Toluene
Concen: 14.057 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

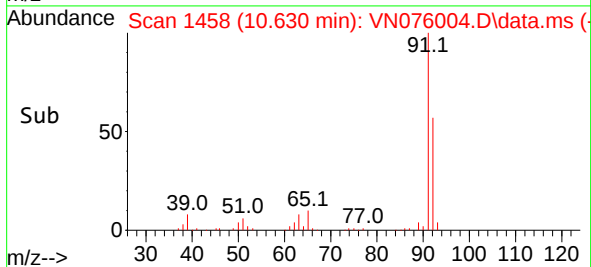
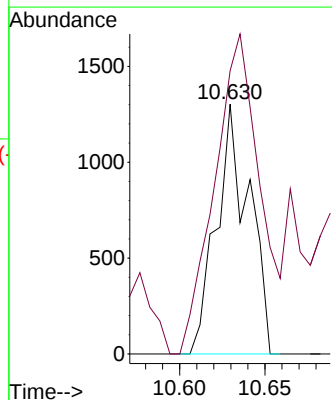
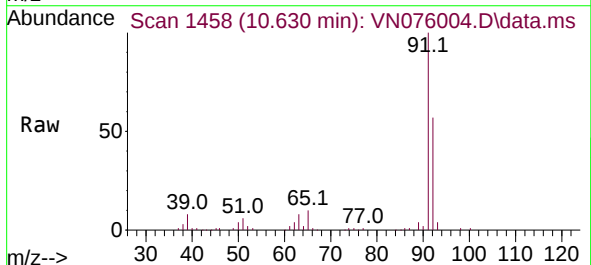
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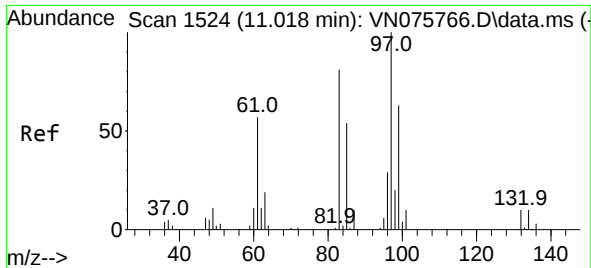
Tgt Ion: 92 Resp: 147278
Ion Ratio Lower Upper
92 100
91 172.8 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.206 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 75 Resp: 1737
Ion Ratio Lower Upper
75 100
77 113.4 24.9 37.3#

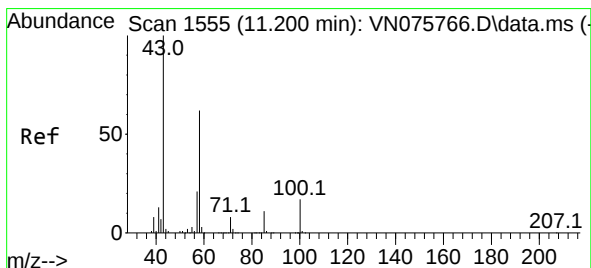
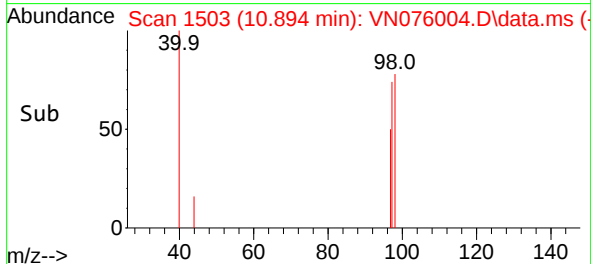
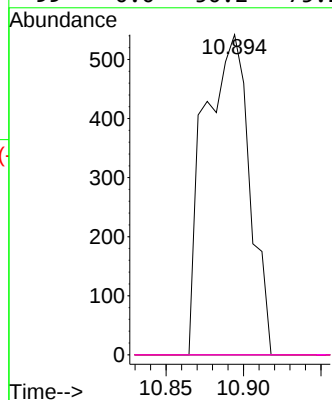
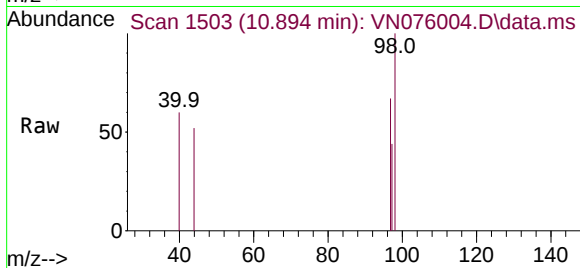




#55
1,1,2-Trichloroethane
Concen: 0.267 ug/l
RT: 10.894 min Scan# 1503
Delta R.T. -0.123 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

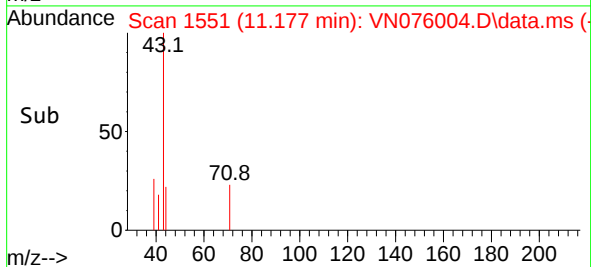
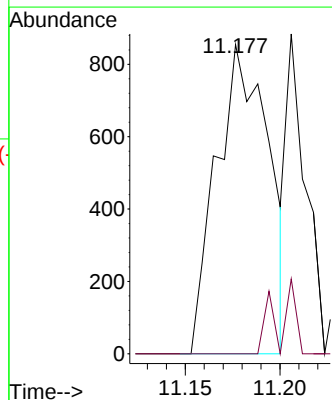
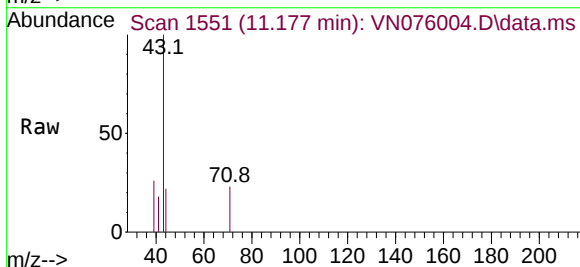
Instrument :
MSVOA_N
ClientSampleId :
SB-6

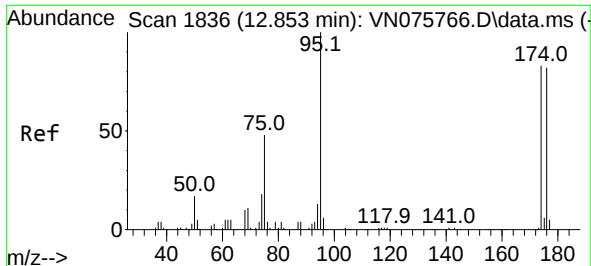
Tgt Ion: 97	Resp:	1096
Ion	Ratio	Lower Upper
97	100	
83	0.0	65.0 97.4#
85	0.0	43.0 64.6#
99	0.0	50.2 75.2#



#59
2-Hexanone
Concen: 0.536 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 43	Resp:	1633
Ion	Ratio	Lower Upper
43	100	
58	3.7	30.6 92.0#





#62

4-Bromofluorobenzene

Concen: 48.038 ug/l

RT: 12.853 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

Instrument :

MSVOA_N

ClientSampleId :

SB-6

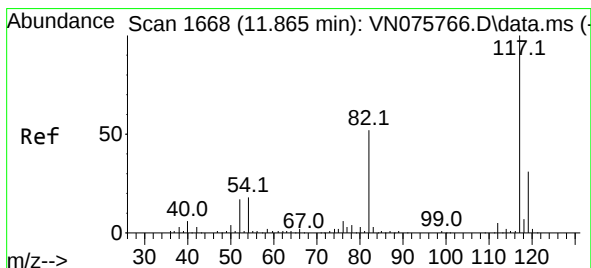
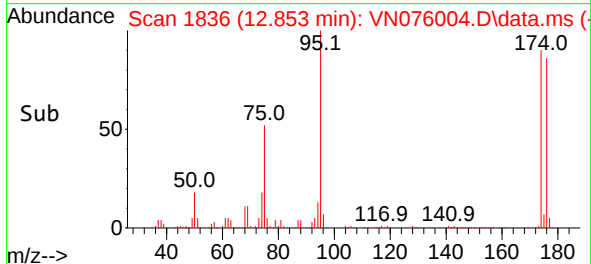
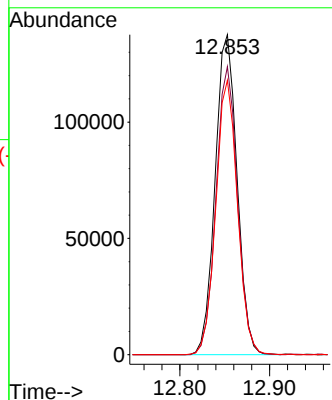
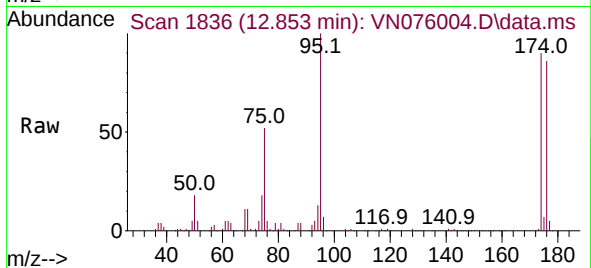
Tgt Ion: 95 Resp: 233487

Ion Ratio Lower Upper

95 100

174 88.1 0.0 171.6

176 84.6 0.0 169.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

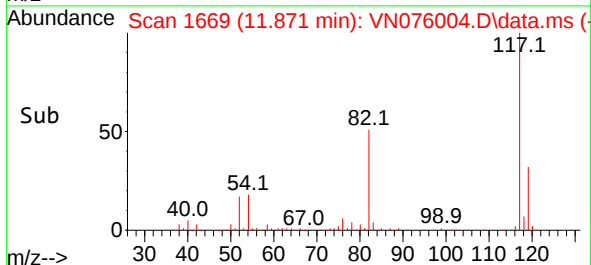
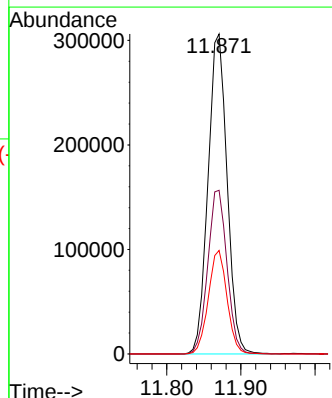
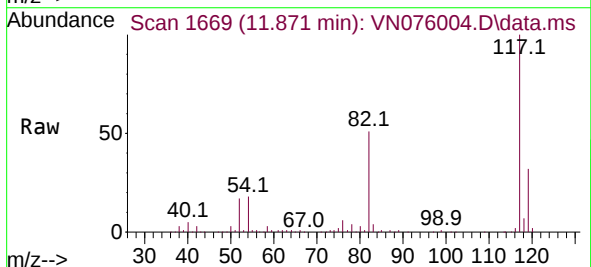
Tgt Ion: 117 Resp: 547138

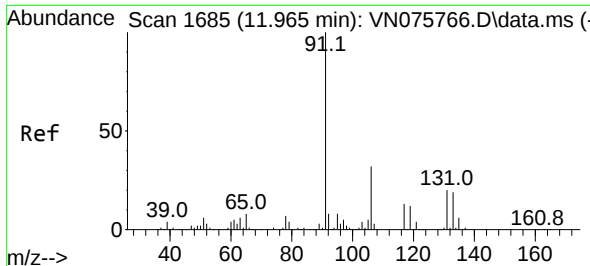
Ion Ratio Lower Upper

117 100

82 51.1 41.3 61.9

119 32.3 24.6 37.0

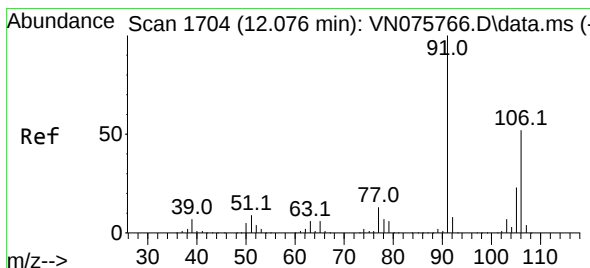
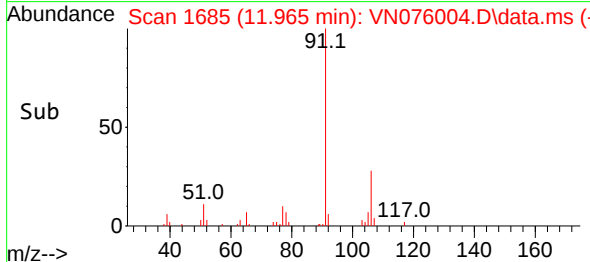
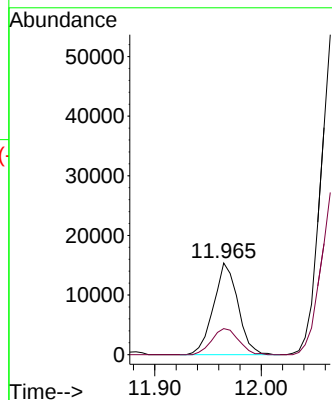
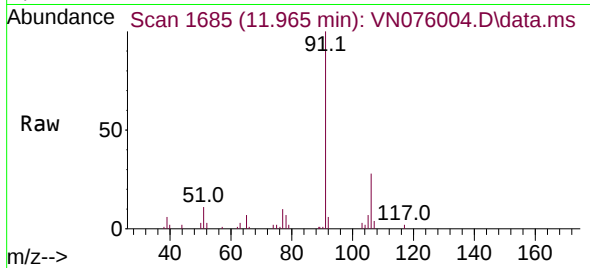




#67
Ethyl Benzene
Concen: 1.289 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

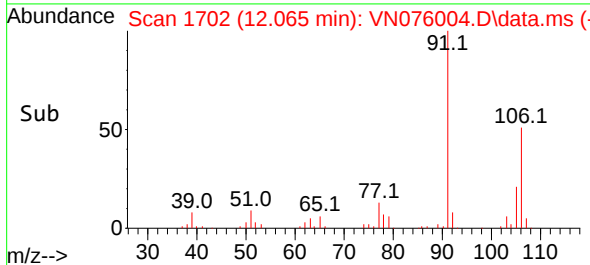
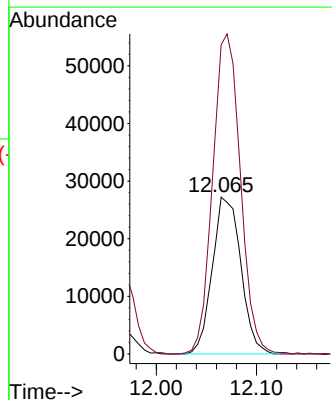
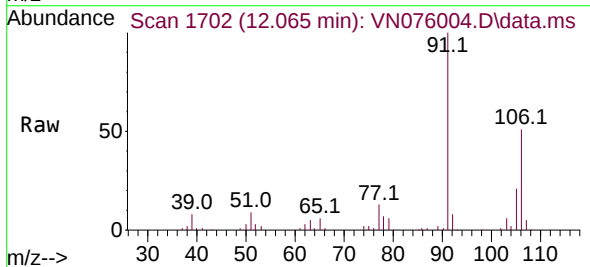
Instrument :
MSVOA_N
ClientSampleId :
SB-6

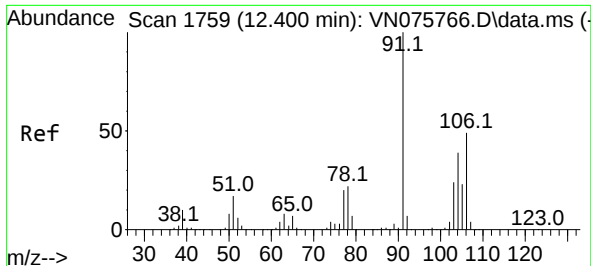
Tgt Ion: 91 Resp: 24428
Ion Ratio Lower Upper
91 100
106 28.4 25.7 38.5



#68
m/p-Xylenes
Concen: 7.155 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 106 Resp: 53675
Ion Ratio Lower Upper
106 100
91 199.1 156.6 235.0

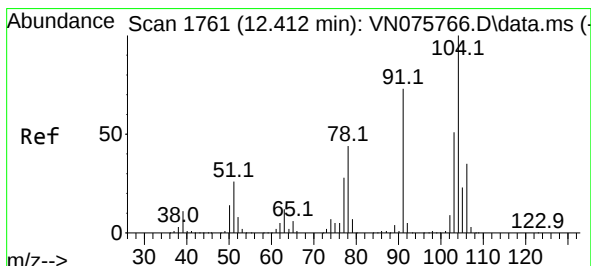
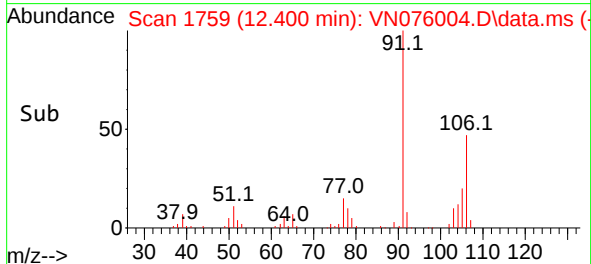
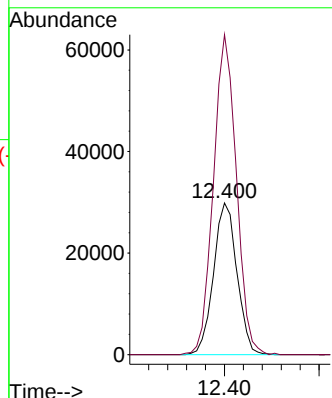
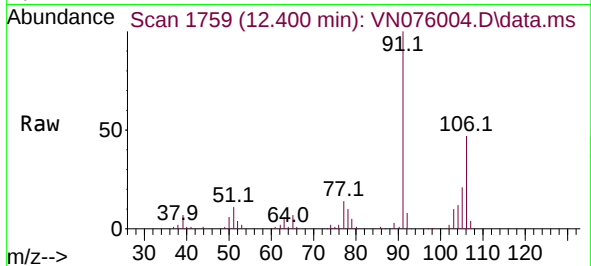




#69
o-Xylene
Concen: 6.903 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

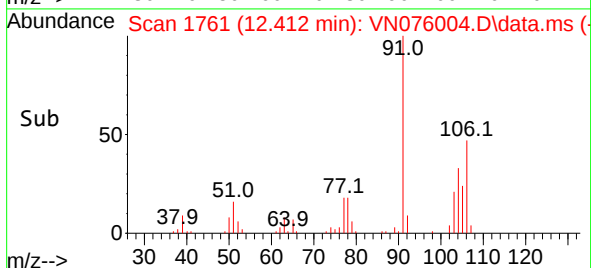
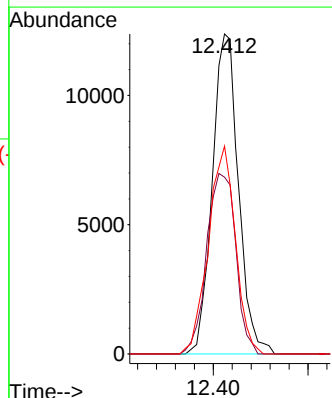
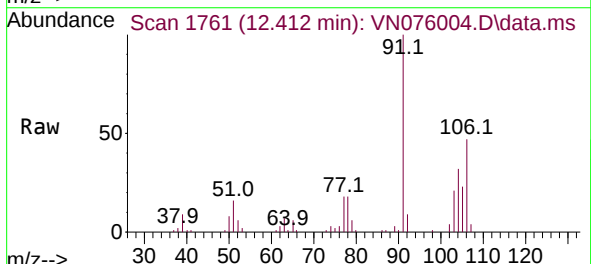
Instrument :
MSVOA_N
ClientSampleId :
SB-6

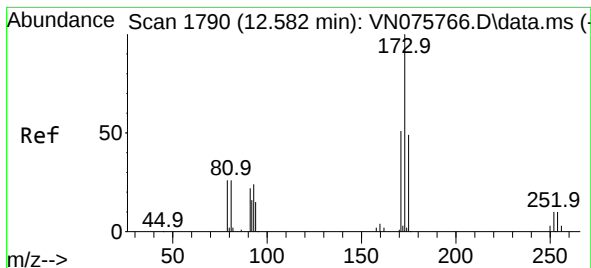
Tgt Ion:106 Resp: 51244
Ion Ratio Lower Upper
106 100
91 206.7 103.8 311.6



#70
Styrene
Concen: 2.005 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion:104 Resp: 23664
Ion Ratio Lower Upper
104 100
78 62.8 37.5 56.3#
103 67.1 43.5 65.3#





#71

Bromoform

Concen: 0.511 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

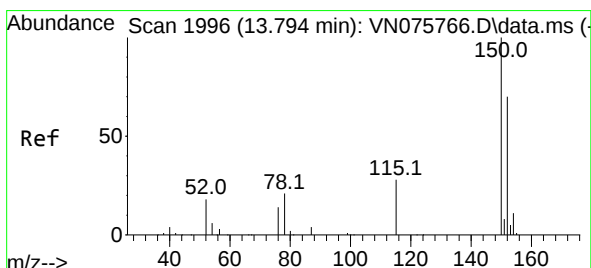
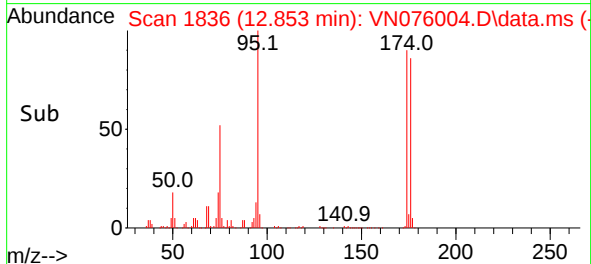
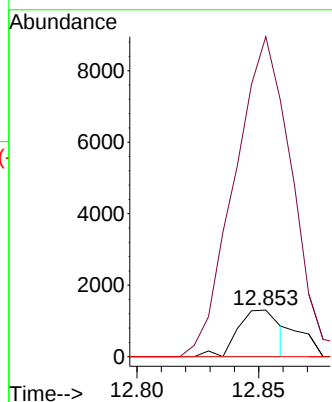
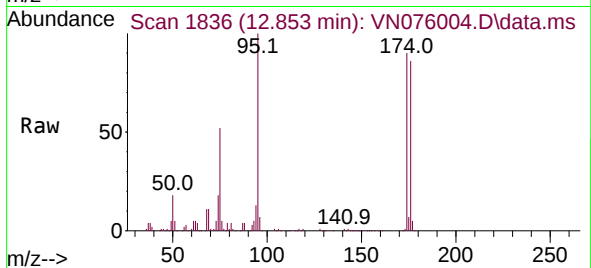
Instrument :

MSVOA_N

ClientSampleId :

SB-6

Tgt Ion:173	Resp:	1548
Ion Ratio	Lower	Upper
173	100	
175	775.5	24.3 72.8#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

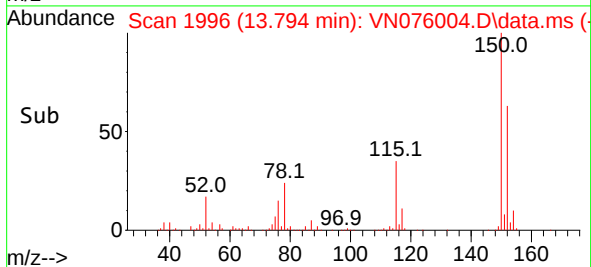
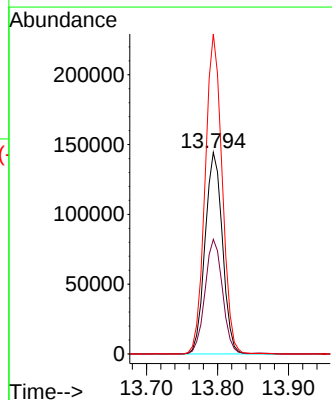
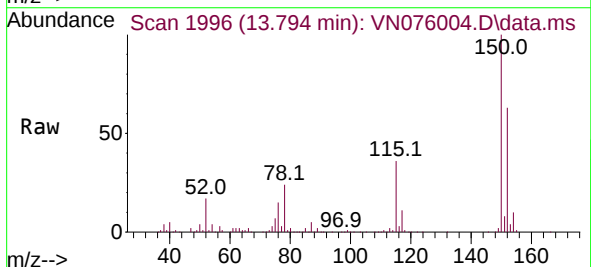
RT: 13.794 min Scan# 1996

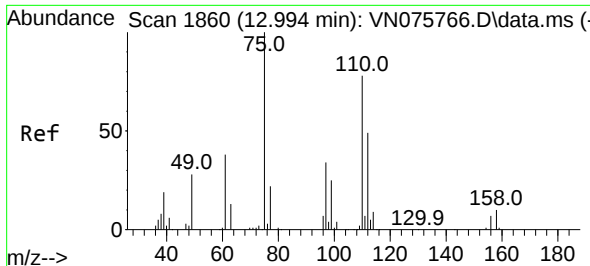
Delta R.T. 0.000 min

Lab File: VN076004.D

Acq: 28 Dec 2022 16:57

Tgt Ion:152	Resp:	245154
Ion Ratio	Lower	Upper
152	100	
115	57.5	29.1 87.4
150	156.0	0.0 347.0

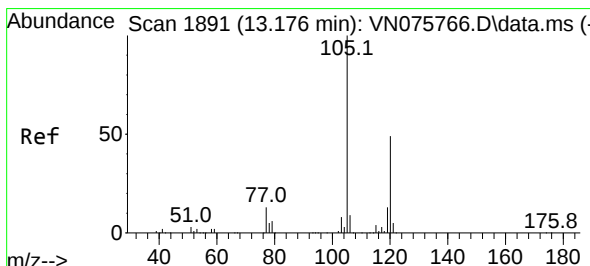
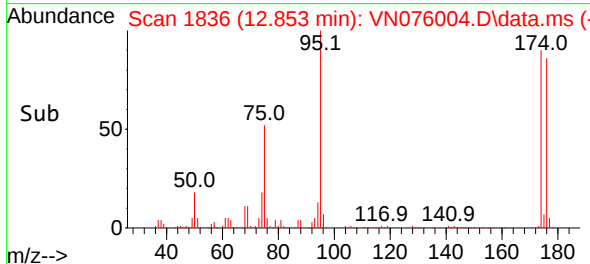
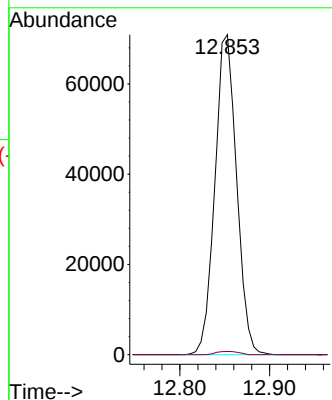
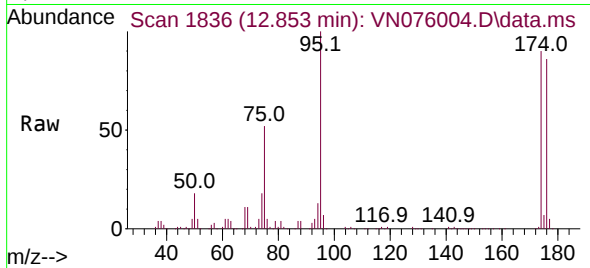




#76
1,2,3-Trichloropropane
Concen: 24.097 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

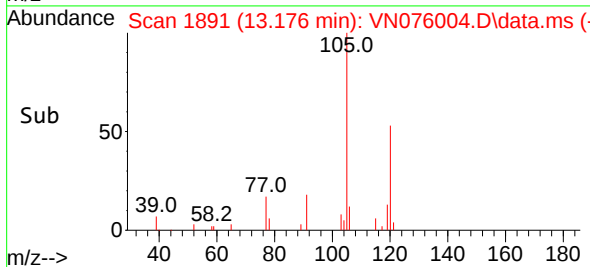
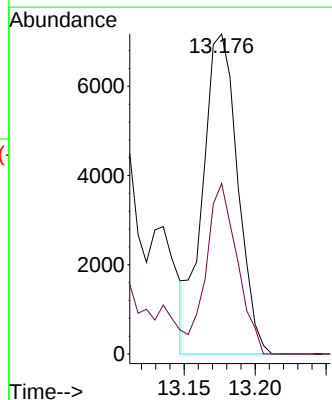
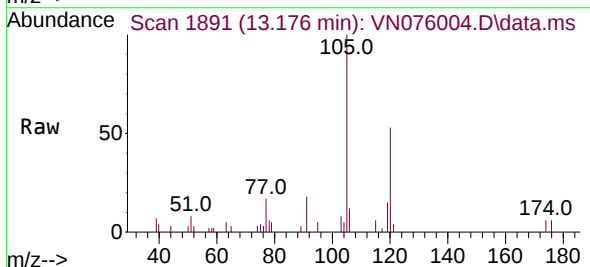
Instrument :
MSVOA_N
ClientSampleId :
SB-6

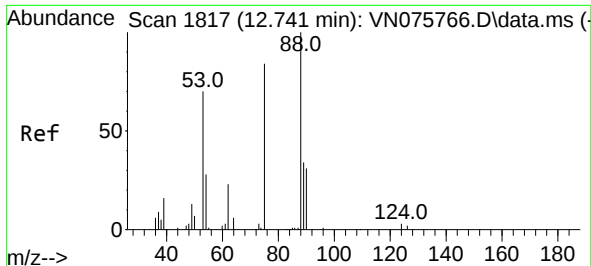
Tgt Ion: 75 Resp: 119080
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.832 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 105 Resp: 12342
Ion Ratio Lower Upper
105 100
120 46.4 24.7 74.1

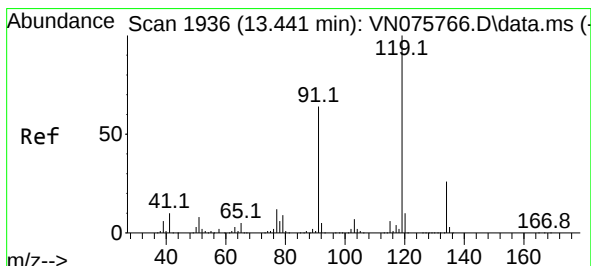
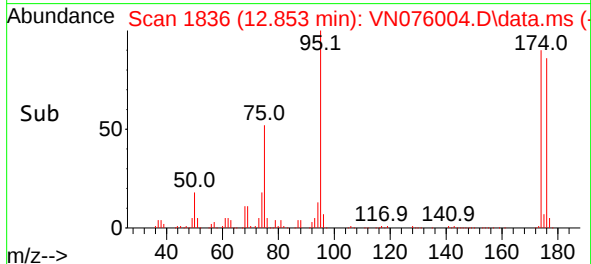
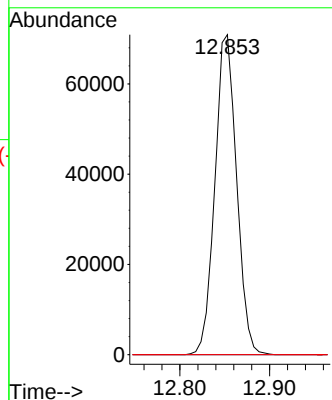
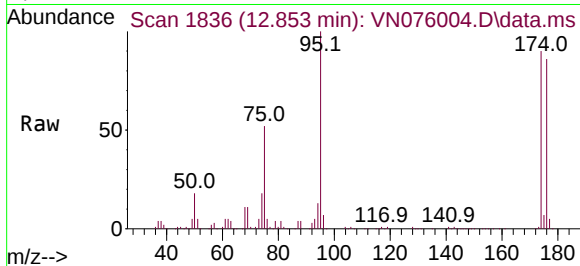




#81
trans-1,4-Dichloro-2-butene
Concen: 86.737 ug/l
RT: 12.853 min Scan# 119080
Delta R.T. 0.112 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

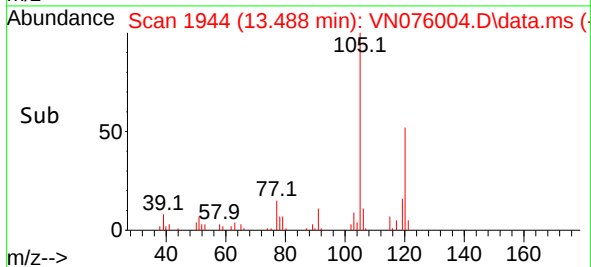
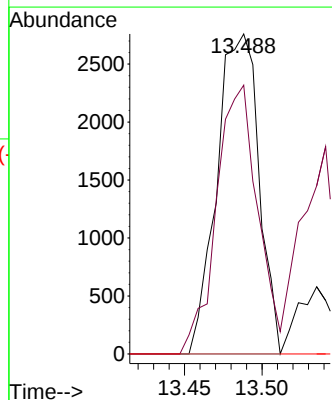
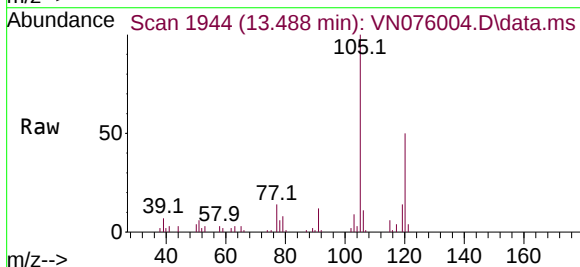
Instrument :
MSVOA_N
ClientSampleId :
SB-6

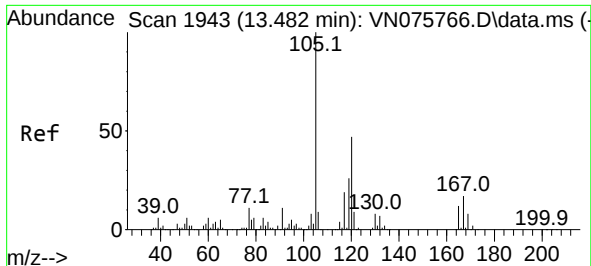
Tgt Ion: 75 Resp: 119080
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#83
tert-Butylbenzene
Concen: 0.397 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.047 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion: 119 Resp: 5193
Ion Ratio Lower Upper
119 100
91 82.6 31.9 95.5
134 0.0 13.8 41.4#

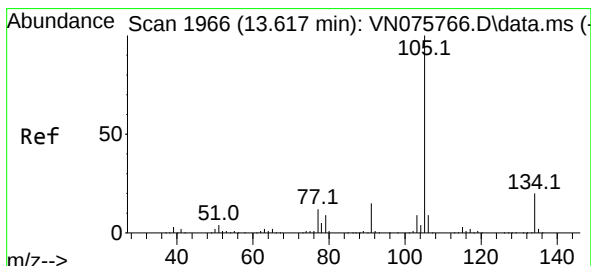
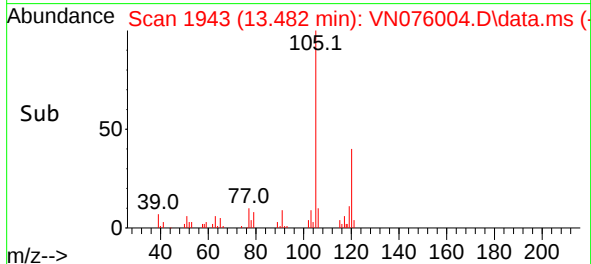
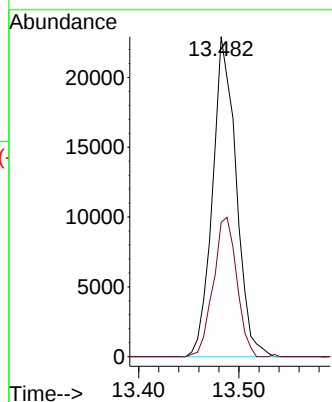
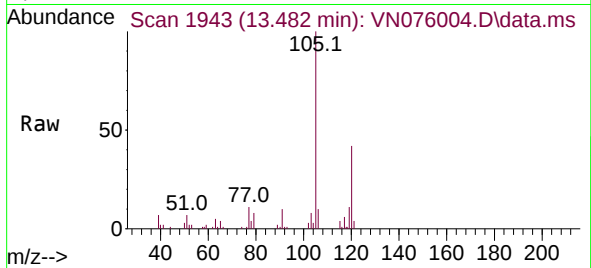




#84
1,2,4-Trimethylbenzene
Concen: 2.548 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

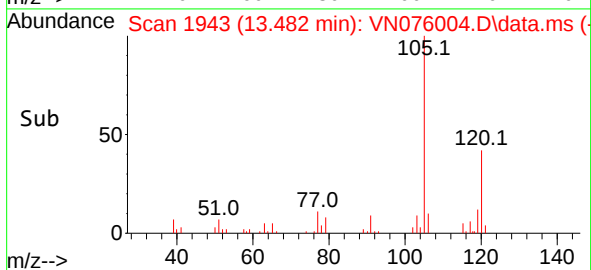
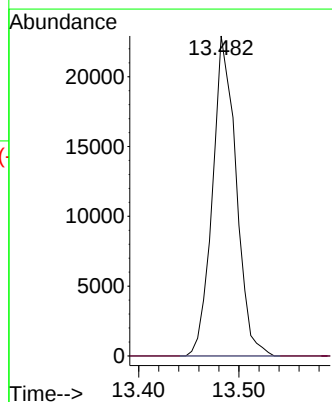
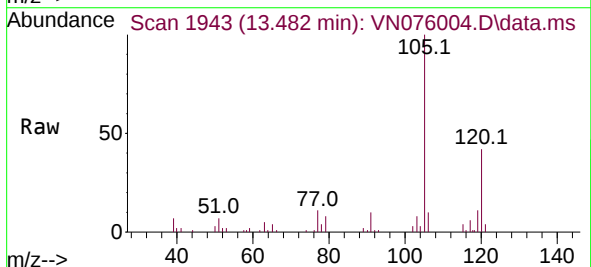
Instrument :
MSVOA_N
ClientSampleId :
SB-6

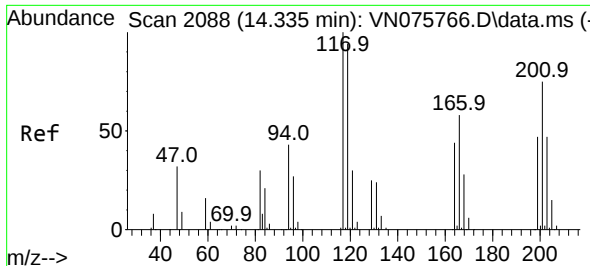
Tgt Ion:105 Resp: 37483
Ion Ratio Lower Upper
105 100
120 43.2 23.3 69.8



#85
sec-Butylbenzene
Concen: 2.077 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.135 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion:105 Resp: 37483
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

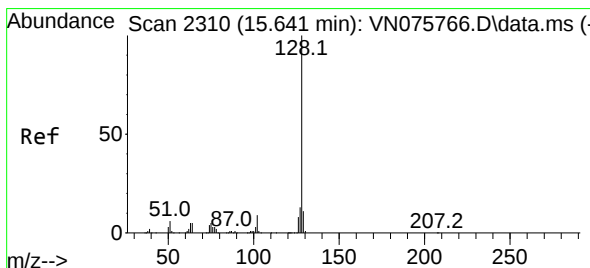
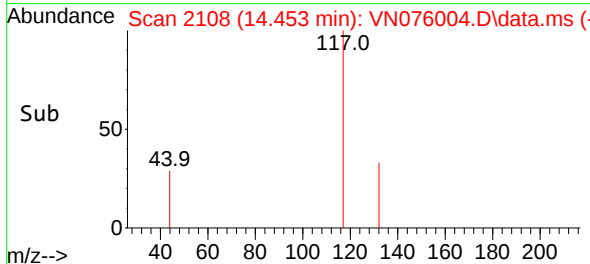
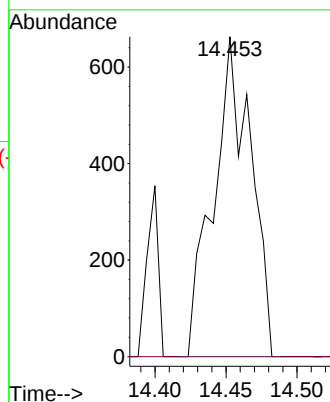
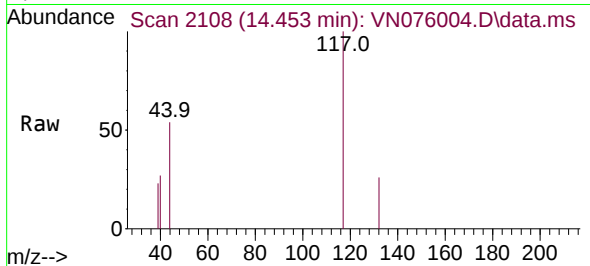




#90
Hexachloroethane
Concen: 0.452 ug/l
RT: 14.453 min Scan# 2108
Delta R.T. 0.118 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Instrument :
MSVOA_N
ClientSampleId :
SB-6

Tgt Ion:117 Resp: 1213
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 17.227 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076004.D
Acq: 28 Dec 2022 16:57

Tgt Ion:128 Resp: 209928
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 10.7 8.7 13.1

