

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076006.D
 Acq On : 28 Dec 2022 17:44
 Operator : JC\MD
 Sample : N6213-08 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

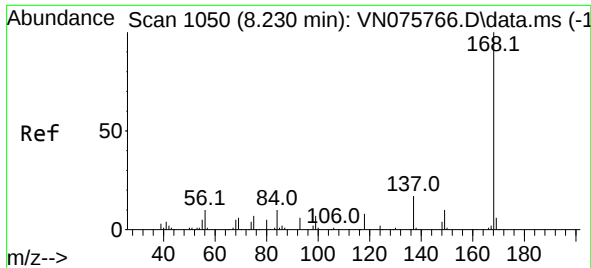
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-8

Quant Time: Dec 29 04:55:08 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	8.230	168	399075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	626540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	540338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	236954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199914	46.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.100%		
35) Dibromofluoromethane	8.171	113	182221	46.963	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.920%		
50) Toluene-d8	10.571	98	703070	48.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.920%		
62) 4-Bromofluorobenzene	12.853	95	230583	47.989	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.980%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	346	0.563	ug/l #	72
16) Acetone	4.459	43	1123	0.750	ug/l #	79
20) Methylene Chloride	5.300	84	1773	Below Cal	#	71
31) Cyclohexane	8.235	56	7942	1.277	ug/l #	33
36) 1,1-Dichloropropene	8.235	75	27123	5.262	ug/l #	49
38) Carbon Tetrachloride	8.230	117	39878	6.913	ug/l #	17
40) Benzene	8.612	78	296818	18.664	ug/l	99
42) 1,2-Dichloroethane	8.606	62	2961	0.560	ug/l	84
43) Isopropyl Acetate	8.724	43	5448	0.798	ug/l #	50
48) Methyl methacrylate	9.747	41	1123	0.365	ug/l #	37
52) Toluene	10.635	92	142972	13.804	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	1438	0.261	ug/l #	1
55) 1,1,2-Trichloroethane	10.876	97	882	0.217	ug/l #	16
59) 2-Hexanone	11.171	43	1281	0.425	ug/l #	20
67) Ethyl Benzene	11.965	91	20909	1.117	ug/l	94
68) m/p-Xylenes	12.065	106	45112	6.089	ug/l	97
69) o-Xylene	12.400	106	40575	5.534	ug/l	98
70) Styrene	12.412	104	7871	0.675	ug/l #	24
71) Bromoform	12.853	173	1562	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	116667	24.426	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	10026	0.700	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.853	75	116667	87.920	ug/l #	12
83) tert-Butylbenzene	13.482	119	3496	0.277	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.488	105	29862	2.100	ug/l	98
85) sec-Butylbenzene	13.488	105	29862	1.712	ug/l #	56
95) Naphthalene	15.641	128	137243	12.356	ug/l	99

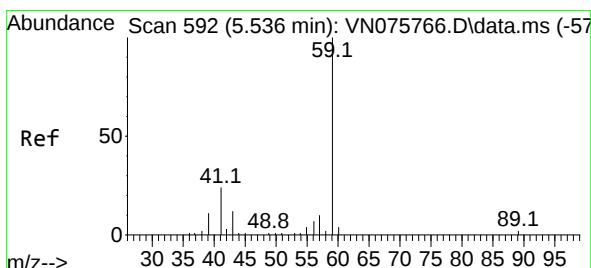
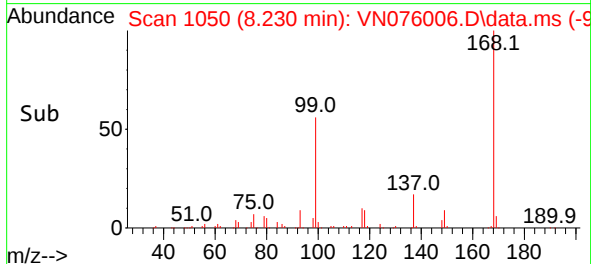
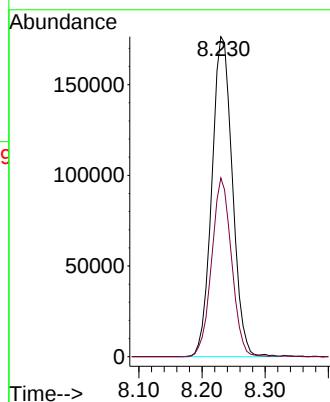
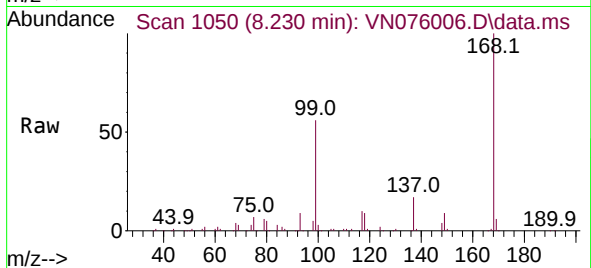
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

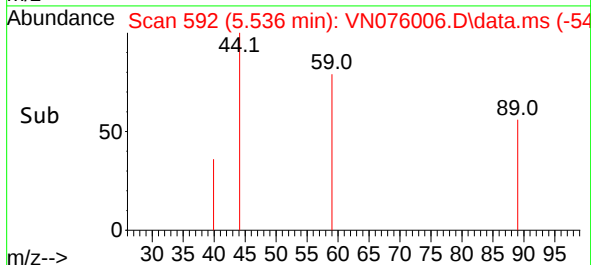
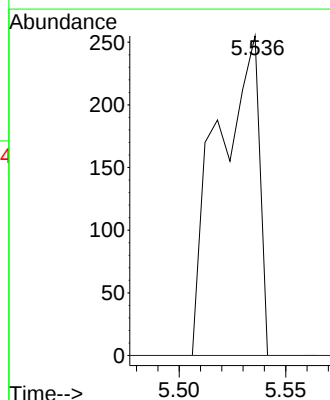
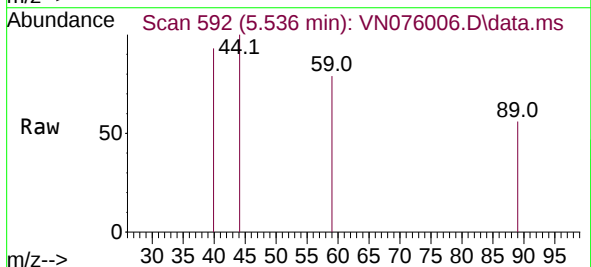
Instrument :
MSVOA_N
ClientSampleId :
SB-8

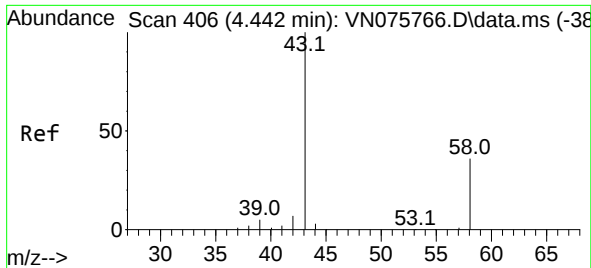
Tgt Ion:168 Resp: 399075
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.563 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.750 ug/l

RT: 4.459 min Scan# 406

Delta R.T. 0.018 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

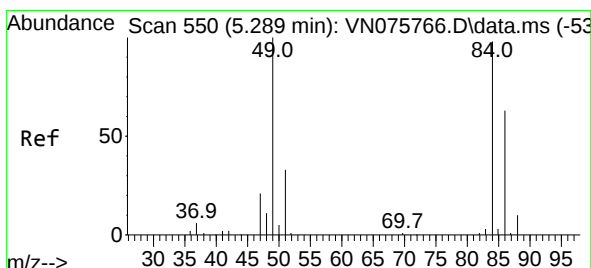
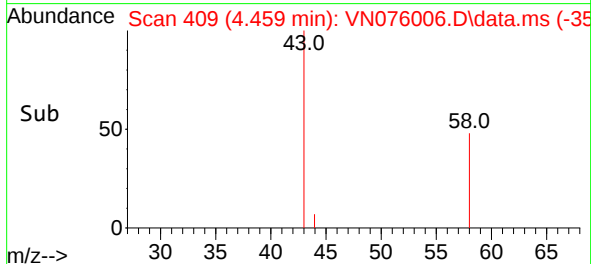
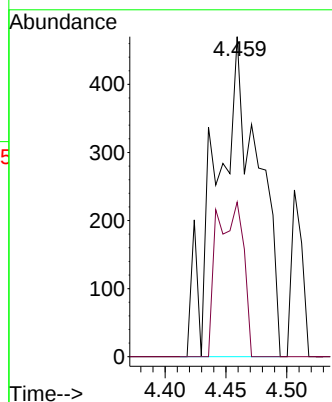
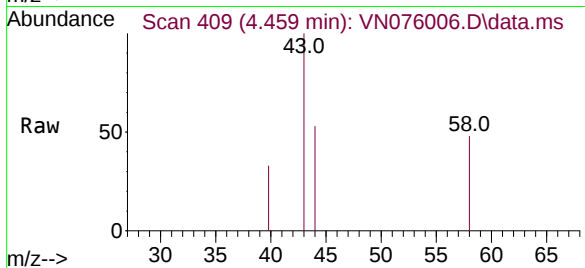
SB-8

Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

58 48.3 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.300 min Scan# 552

Delta R.T. 0.011 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Tgt Ion: 84 Resp: 1773

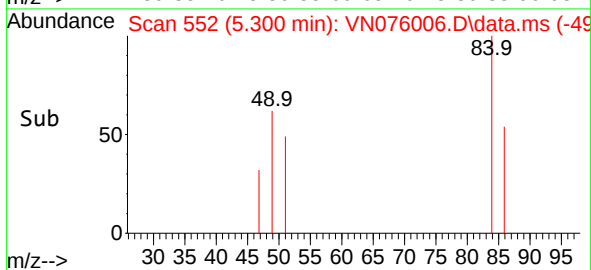
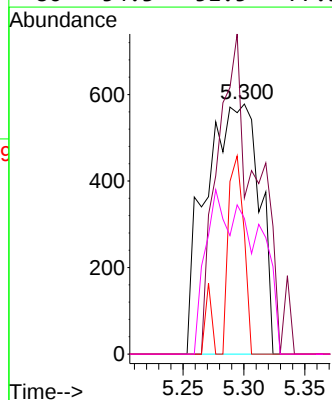
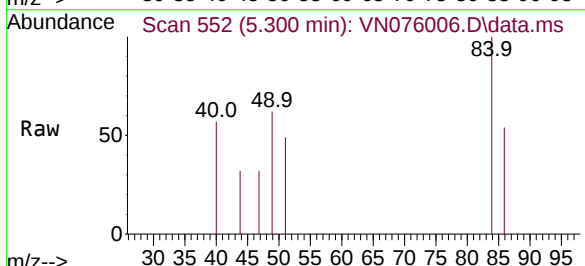
Ion Ratio Lower Upper

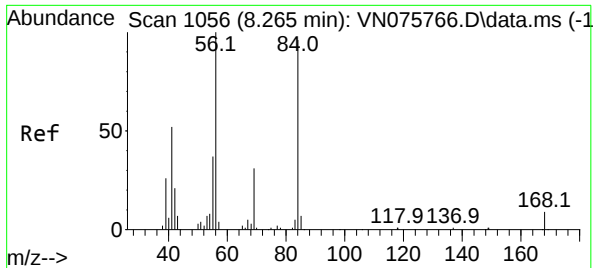
84 100

49 62.5 81.8 122.6#

51 48.6 26.7 40.1#

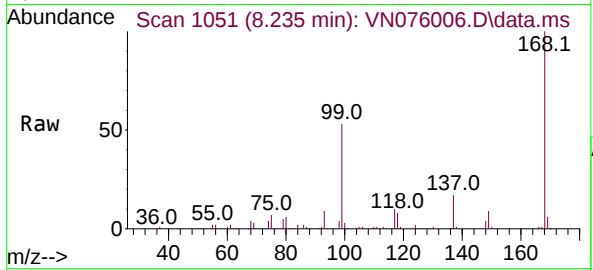
86 54.3 51.5 77.3



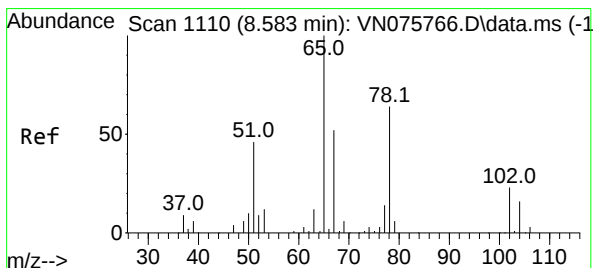
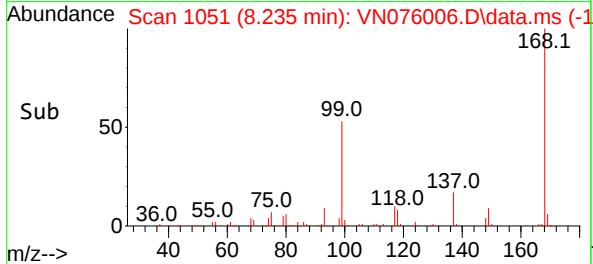
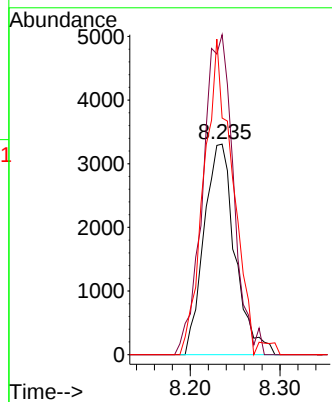


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.235 min Scan# 1056
Delta R.T. -0.029 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Instrument :
MSVOA_N
ClientSampleId :
SB-8

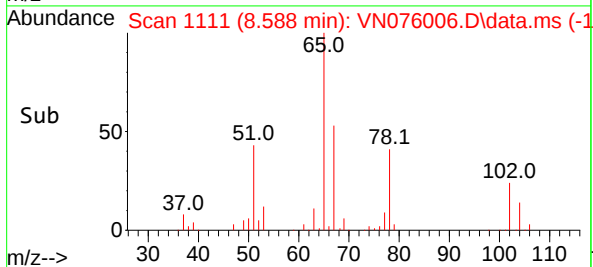
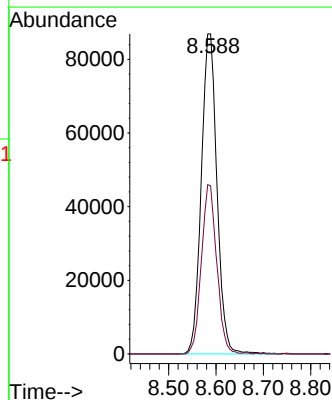
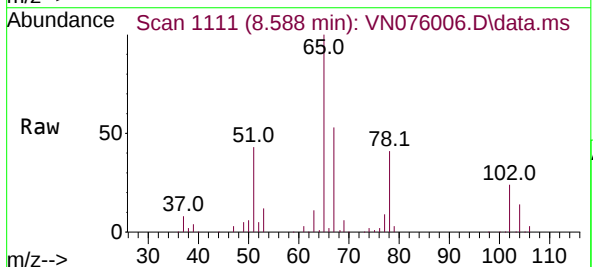


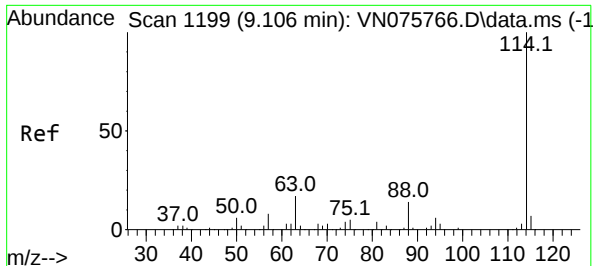
Tgt Ion: 56 Resp: 7942
Ion Ratio Lower Upper
56 100
69 152.0 24.7 37.1#
84 112.4 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 46.047 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 65 Resp: 199914
Ion Ratio Lower Upper
65 100
67 51.8 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: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

SB-8

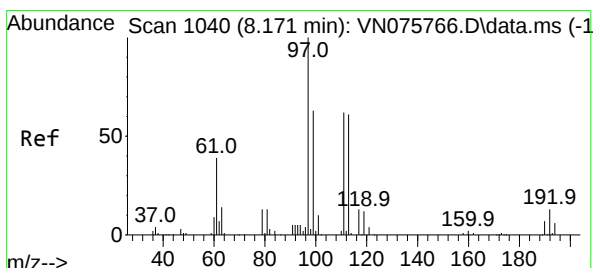
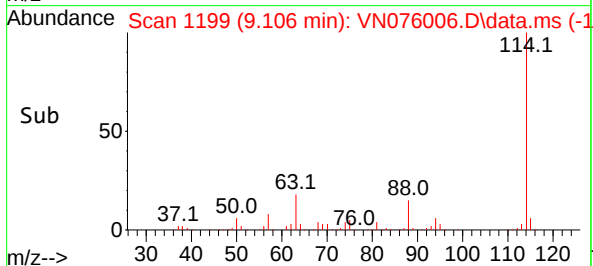
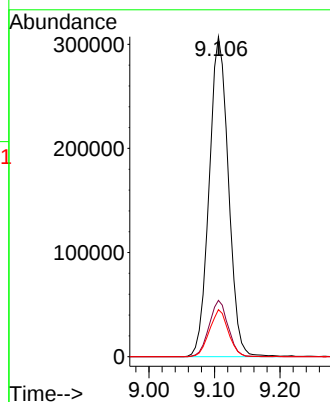
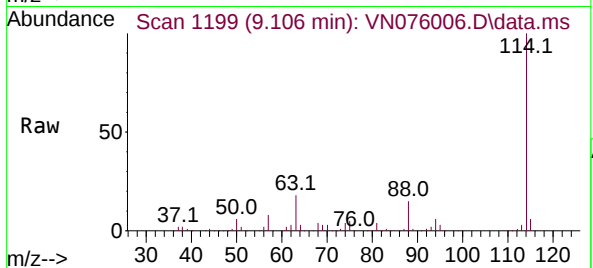
Tgt Ion:114 Resp: 626540

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.963 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

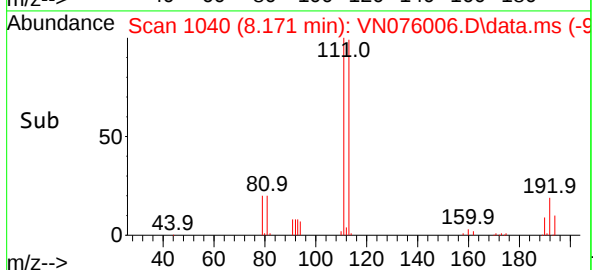
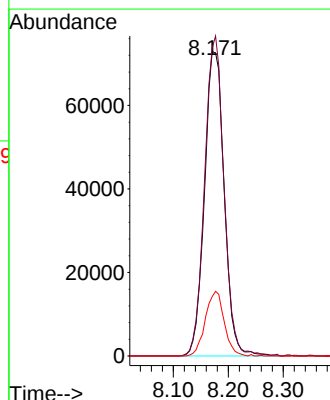
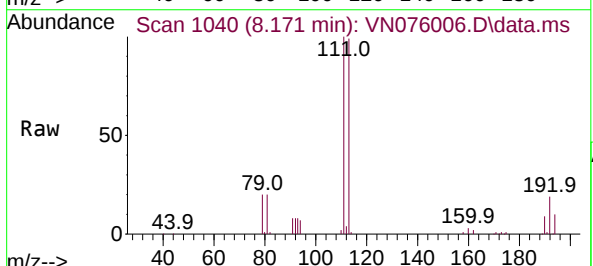
Tgt Ion:113 Resp: 182221

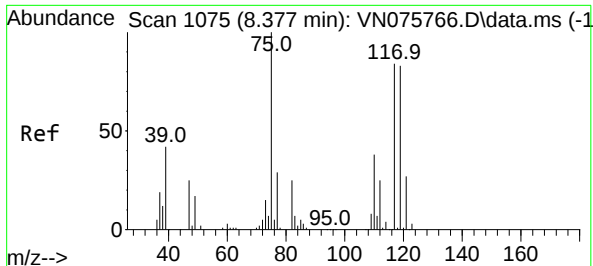
Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.262 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

SB-8

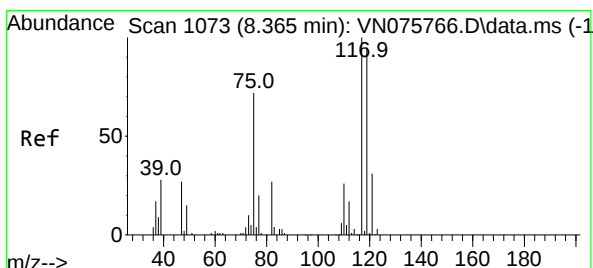
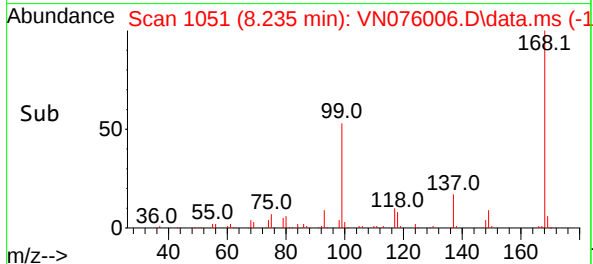
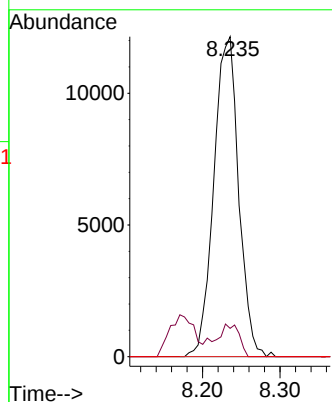
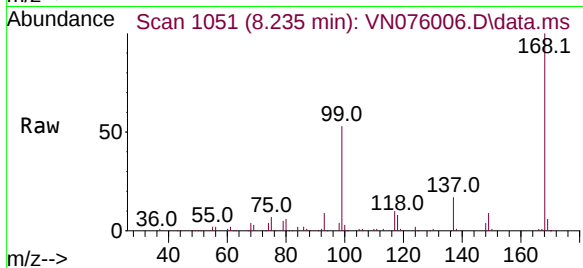
Tgt Ion: 75 Resp: 27123

Ion Ratio Lower Upper

75 100

110 9.6 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.913 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

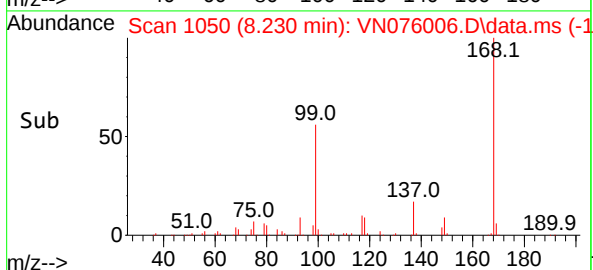
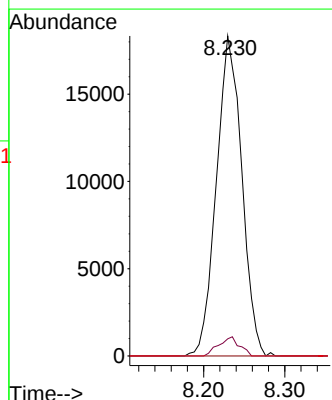
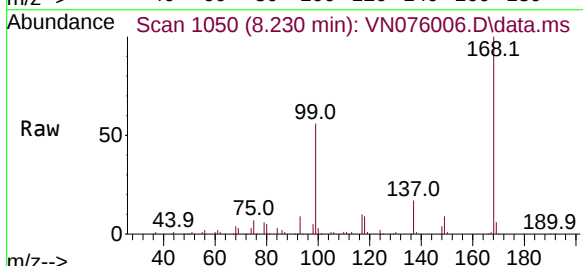
Tgt Ion: 117 Resp: 39878

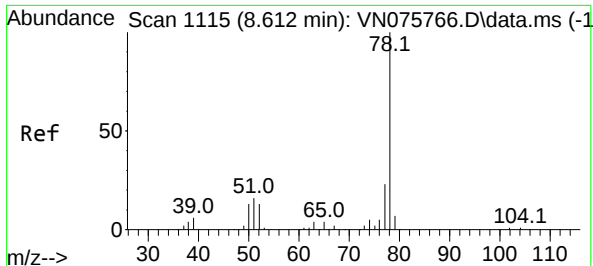
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.5 36.7#

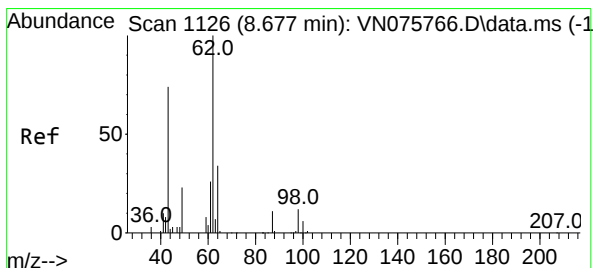
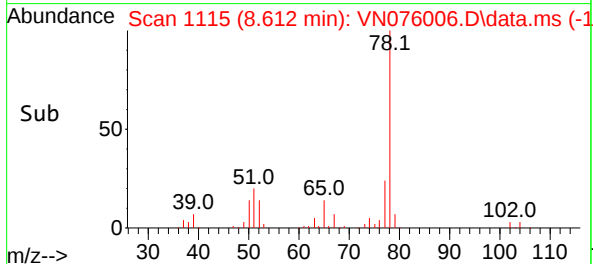
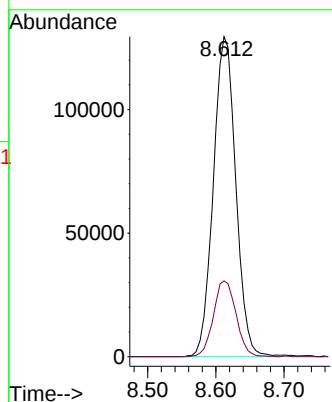
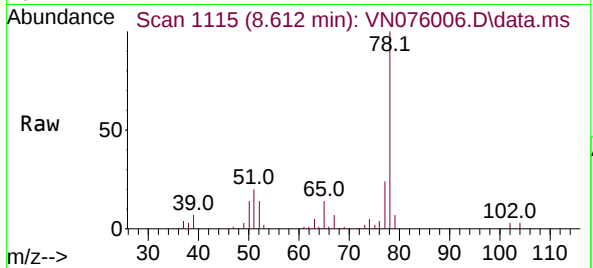




#40
Benzene
Concen: 18.664 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

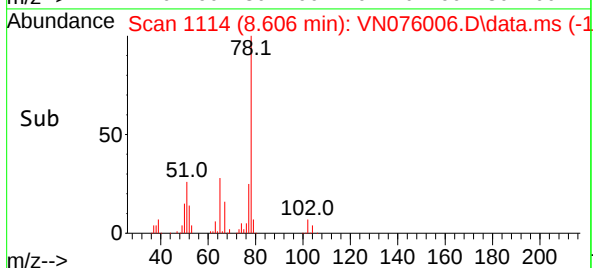
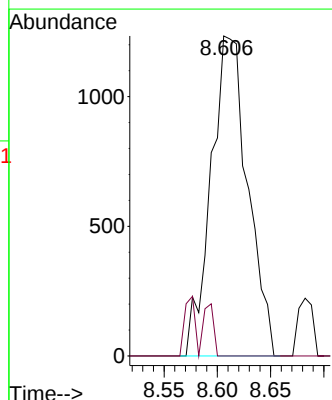
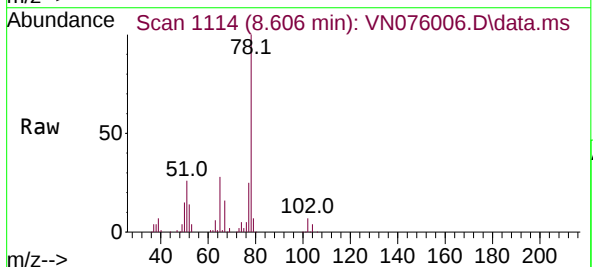
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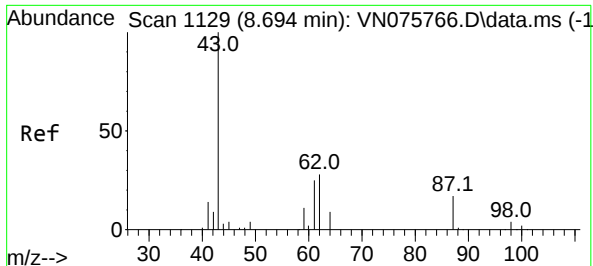
Tgt Ion: 78 Resp: 296818
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7



#42
1,2-Dichloroethane
Concen: 0.560 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. -0.071 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 62 Resp: 2961
Ion Ratio Lower Upper
62 100
98 4.6 0.0 20.8





#43

Isopropyl Acetate

Concen: 0.798 ug/l

RT: 8.724 min Scan# 1129

Delta R.T. 0.029 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

SB-8

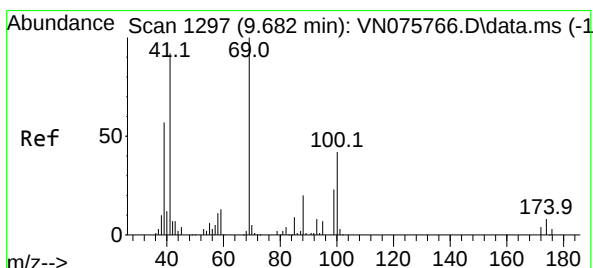
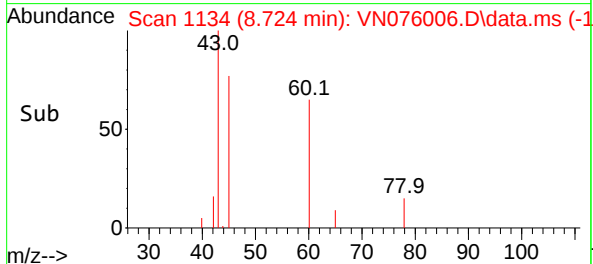
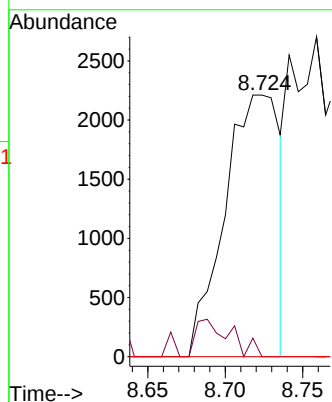
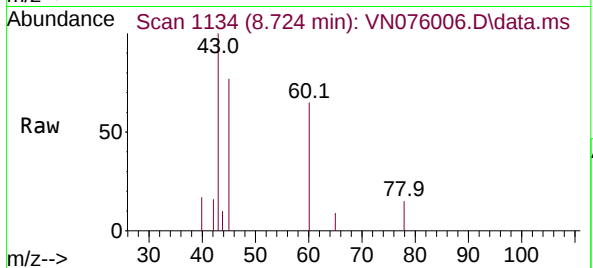
Tgt Ion: 43 Resp: 5448

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#



#48

Methyl methacrylate

Concen: 0.365 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

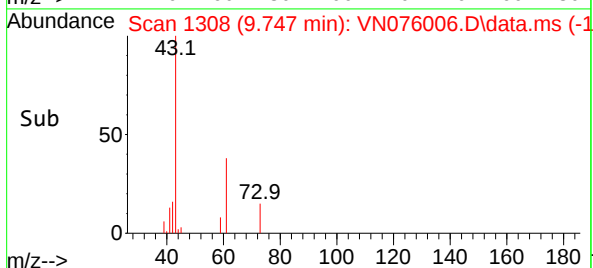
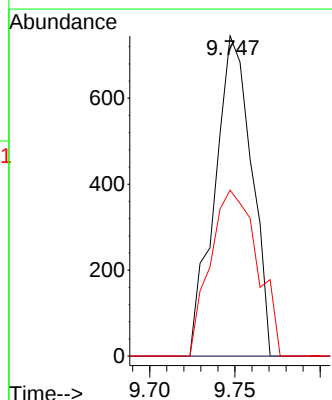
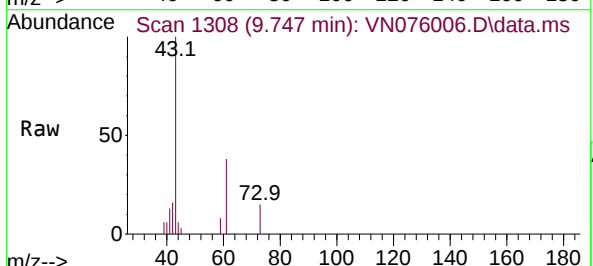
Tgt Ion: 41 Resp: 1123

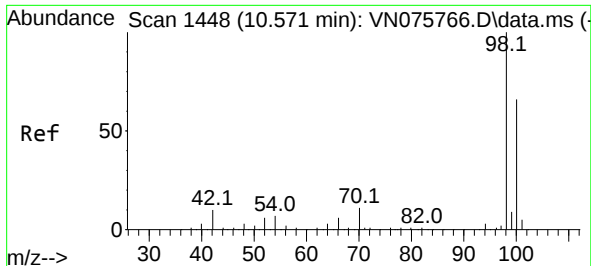
Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 66.0 51.6 77.4

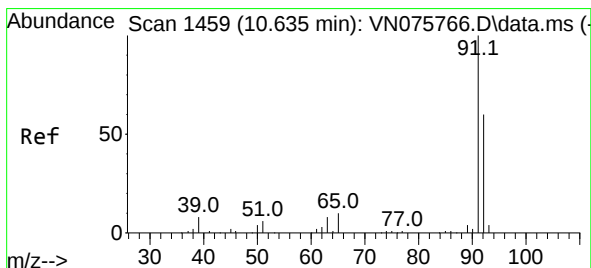
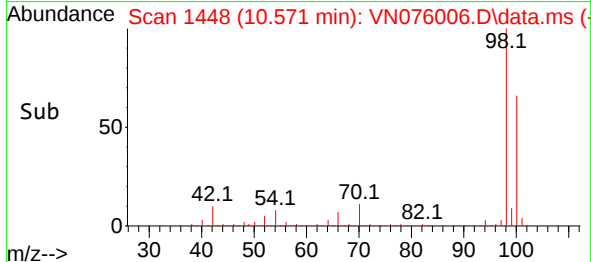
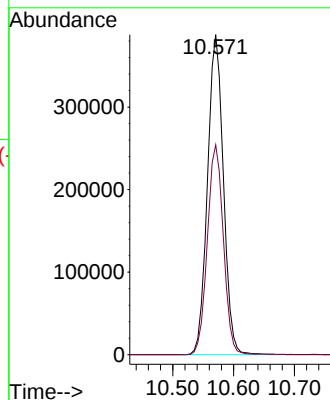
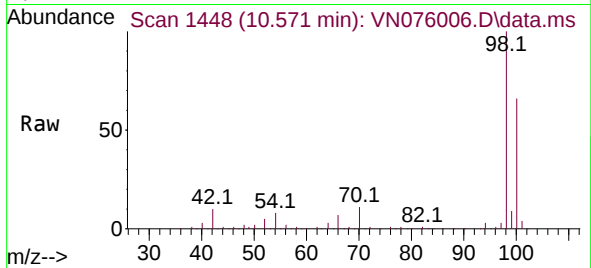




#50
Toluene-d8
Concen: 48.464 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

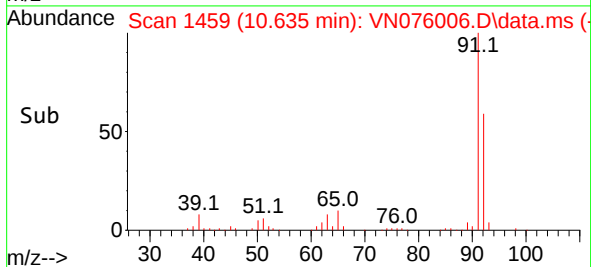
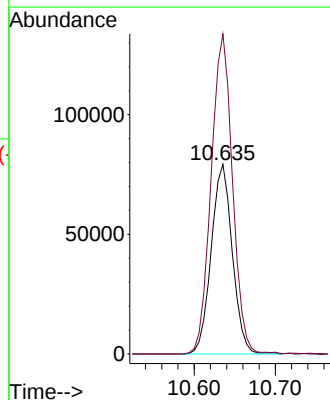
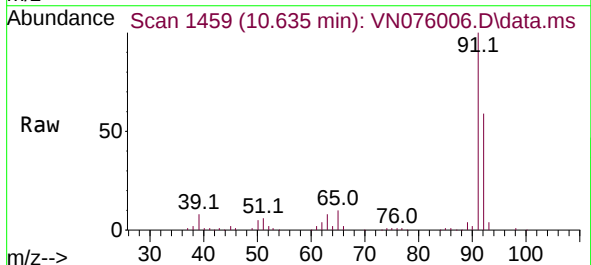
Instrument :
MSVOA_N
ClientSampleId :
SB-8

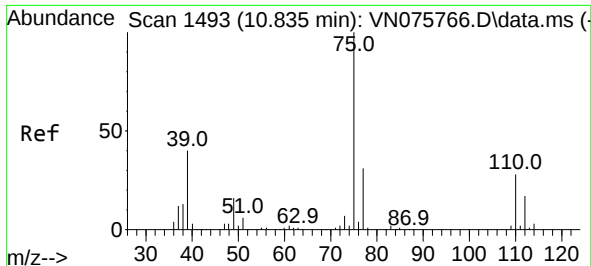
Tgt Ion: 98 Resp: 703070
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#52
Toluene
Concen: 13.804 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 92 Resp: 142972
Ion Ratio Lower Upper
92 100
91 170.8 137.3 205.9

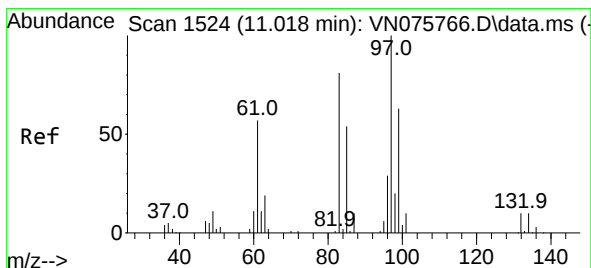
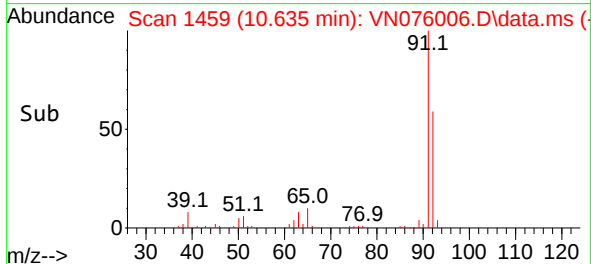
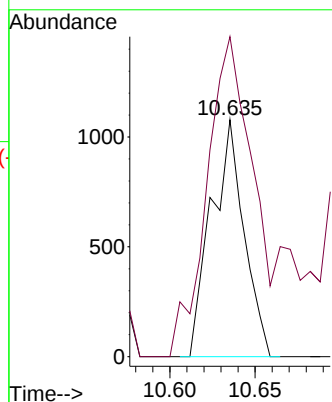
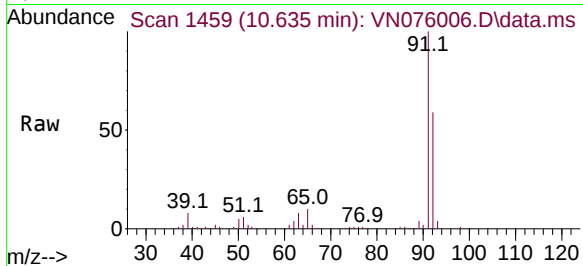




#53
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 10.635 min Scan# 1438
Delta R.T. -0.200 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

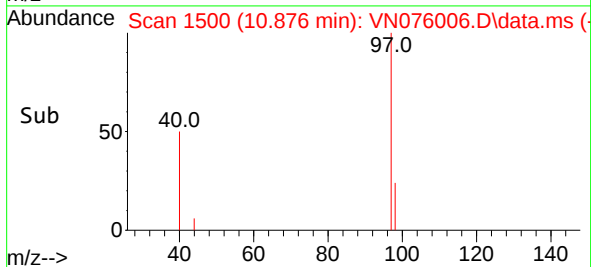
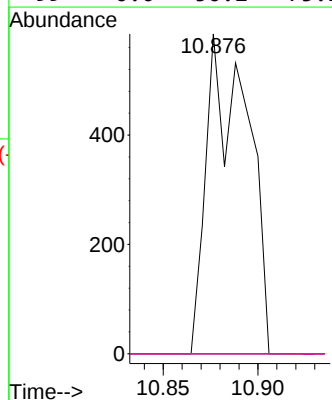
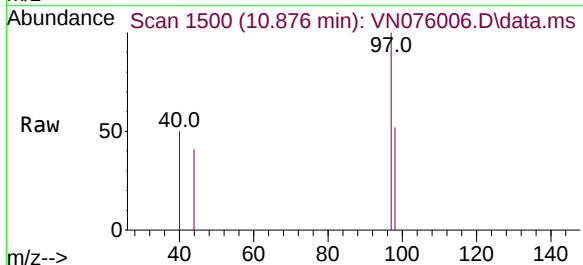
Instrument :
MSVOA_N
ClientSampleId :
SB-8

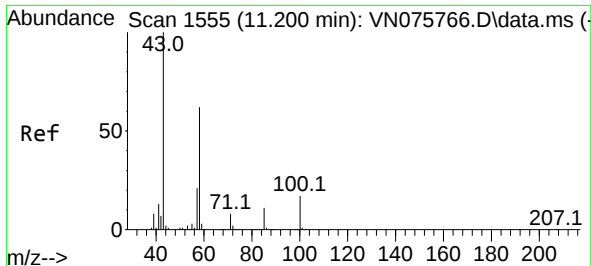
Tgt Ion: 75 Resp: 1438
Ion Ratio Lower Upper
75 100
77 111.9 24.9 37.3#



#55
1,1,2-Trichloroethane
Concen: 0.217 ug/l
RT: 10.876 min Scan# 1500
Delta R.T. -0.141 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 97 Resp: 882
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#

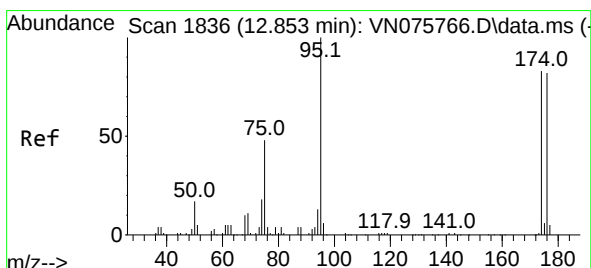
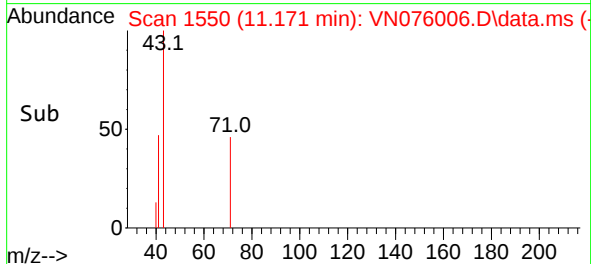
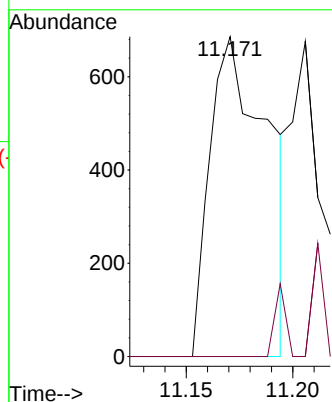
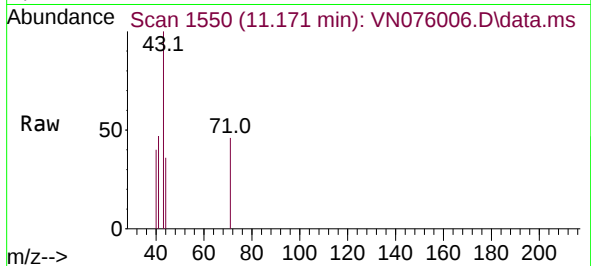




#59
2-Hexanone
Concen: 0.425 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

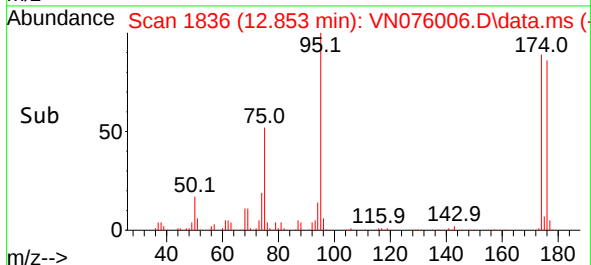
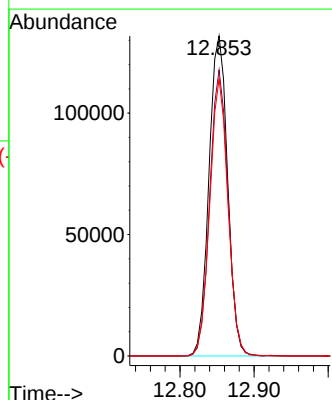
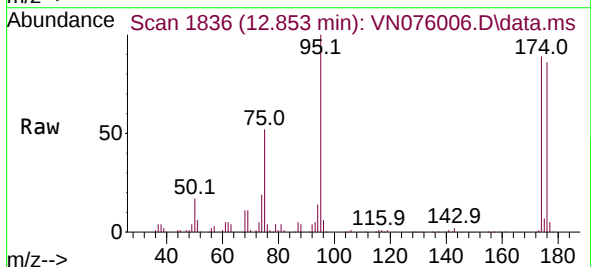
Instrument :
MSVOA_N
ClientSampleId :
SB-8

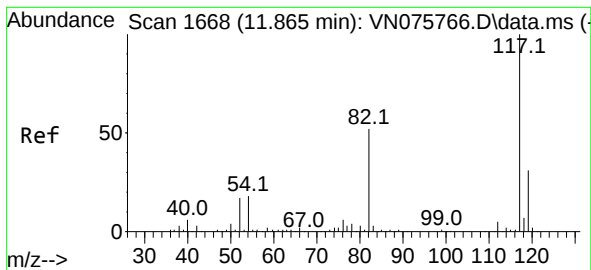
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.989 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 95 Resp: 230583
Ion Ratio Lower Upper
95 100
174 87.4 0.0 171.6
176 84.3 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

SB-8

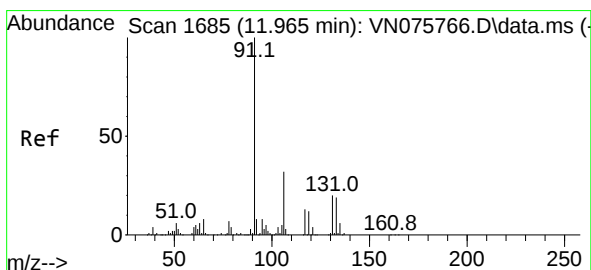
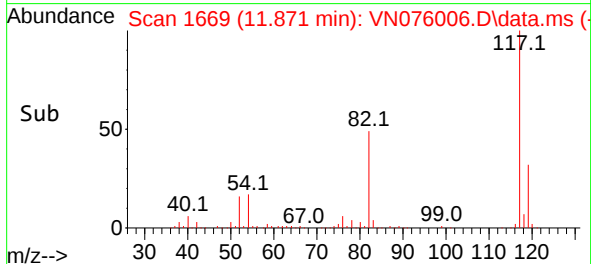
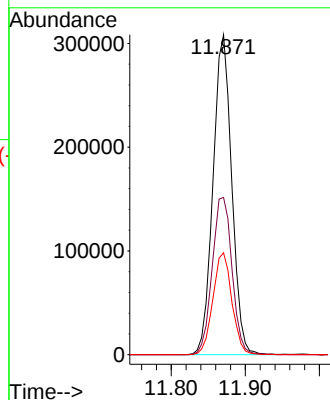
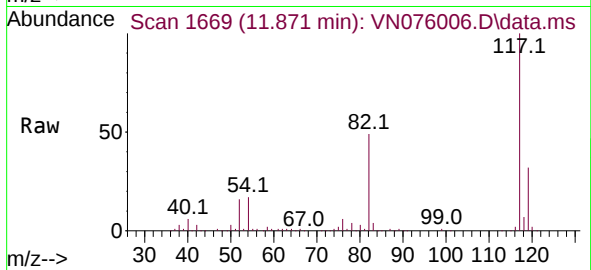
Tgt Ion:117 Resp: 540338

Ion Ratio Lower Upper

117 100

82 49.2 41.3 61.9

119 31.9 24.6 37.0



#67

Ethyl Benzene

Concen: 1.117 ug/l

RT: 11.965 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN076006.D

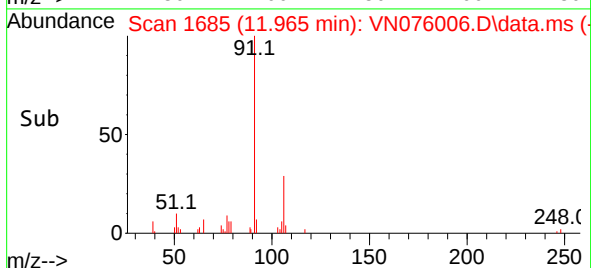
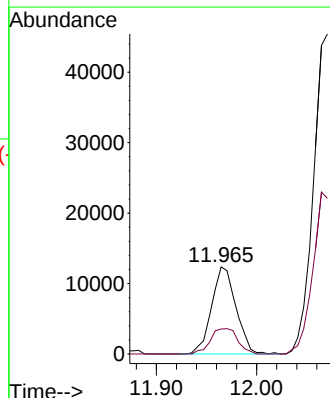
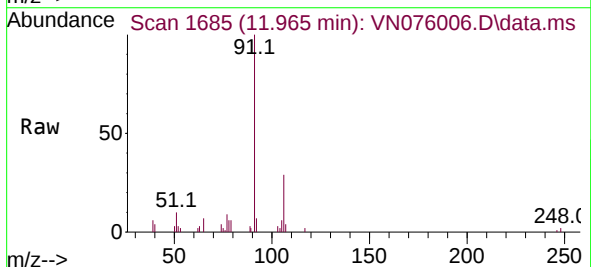
Acq: 28 Dec 2022 17:44

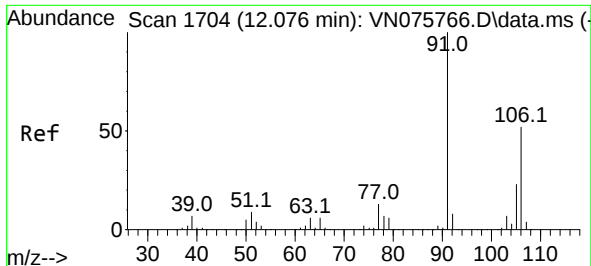
Tgt Ion: 91 Resp: 20909

Ion Ratio Lower Upper

91 100

106 28.6 25.7 38.5

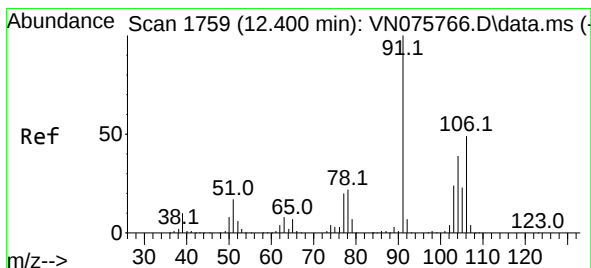
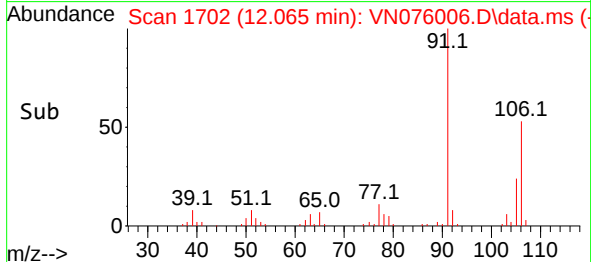
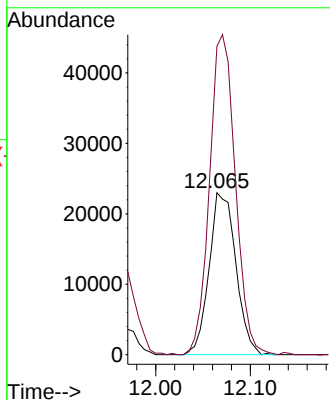
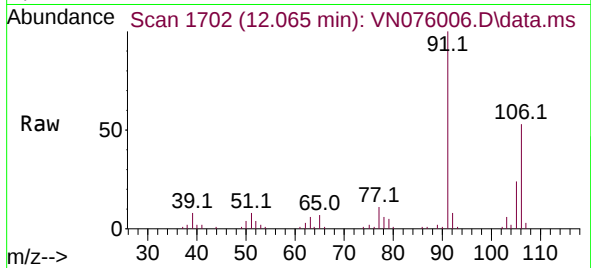




#68
m/p-Xylenes
Concen: 6.089 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

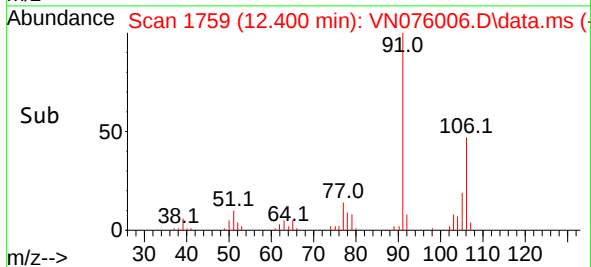
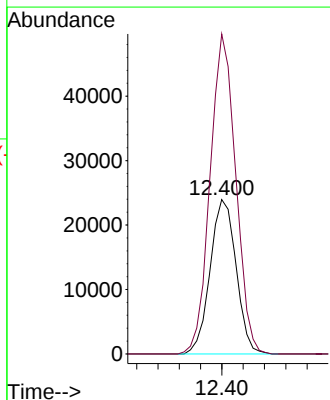
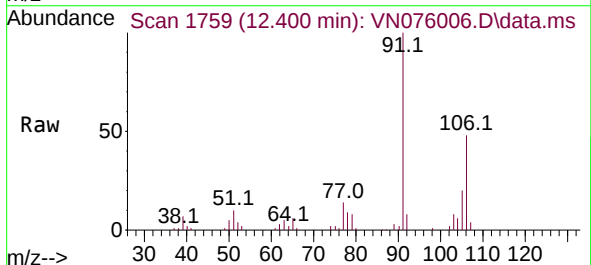
Instrument :
MSVOA_N
ClientSampleId :
SB-8

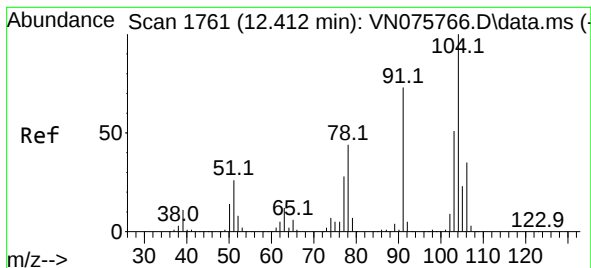
Tgt Ion:106 Resp: 45112
Ion Ratio Lower Upper
106 100
91 190.8 156.6 235.0



#69
o-Xylene
Concen: 5.534 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion:106 Resp: 40575
Ion Ratio Lower Upper
106 100
91 204.5 103.8 311.6





#70

Styrene

Concen: 0.675 ug/l

RT: 12.412 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

SB-8

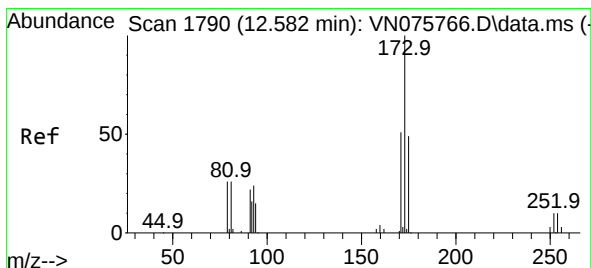
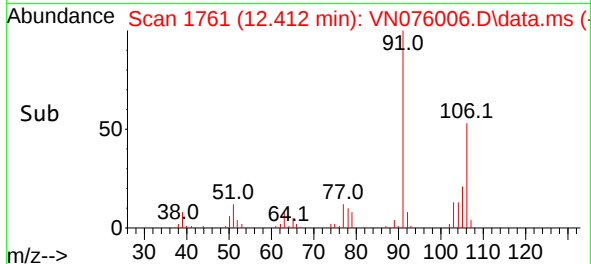
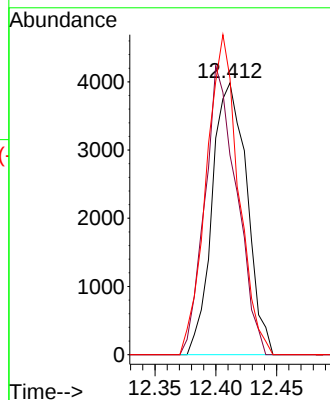
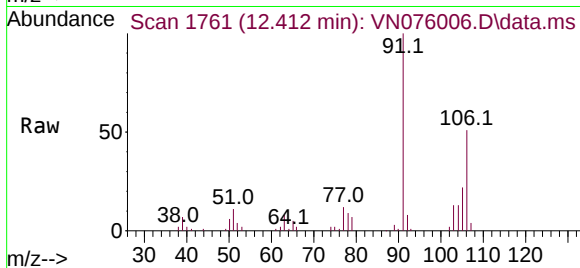
Tgt Ion:104 Resp: 7871

Ion Ratio Lower Upper

104 100

78 97.6 37.5 56.3#

103 109.6 43.5 65.3#



#71

Bromoform

Concen: 0.523 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

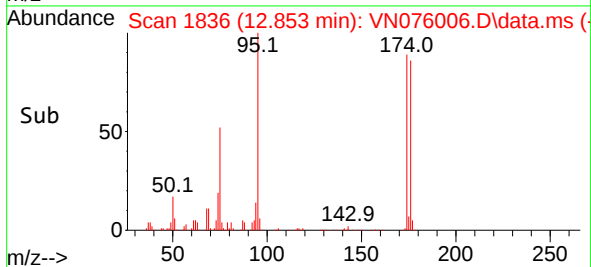
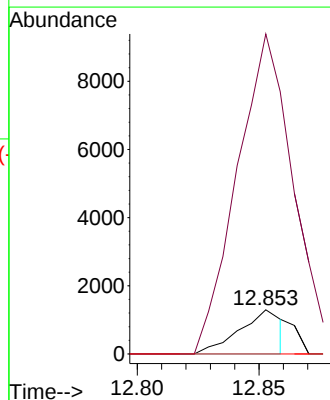
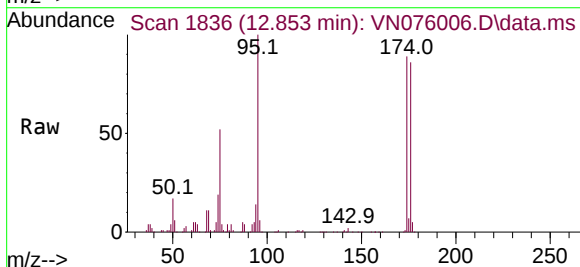
Tgt Ion:173 Resp: 1562

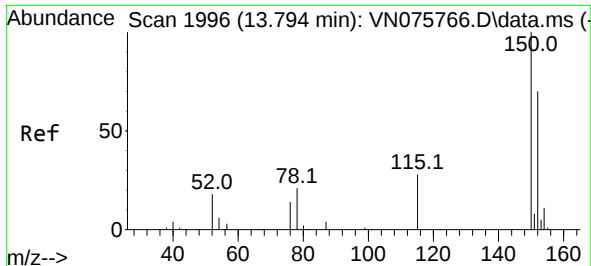
Ion Ratio Lower Upper

173 100

175 768.7 24.3 72.8#

254 0.0 0.0 0.0

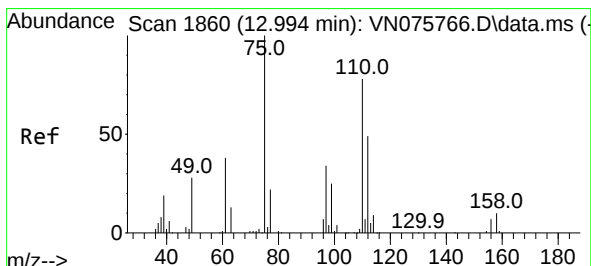
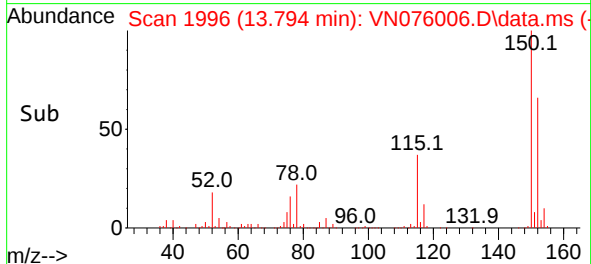
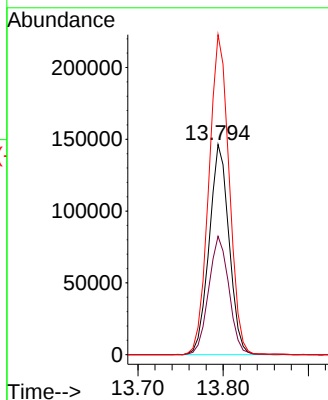
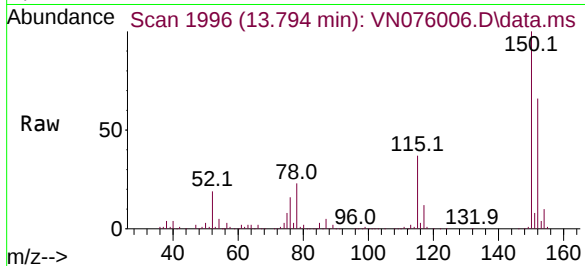




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076006.D
 Acq: 28 Dec 2022 17:44

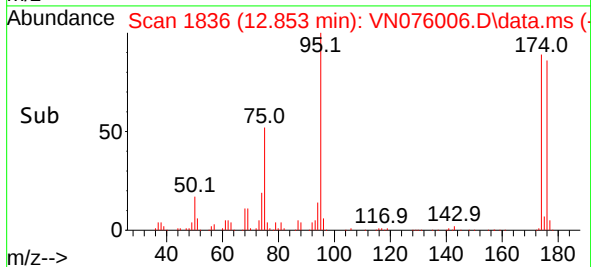
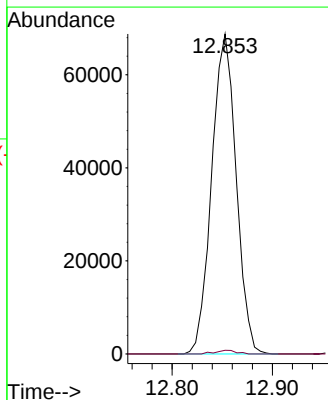
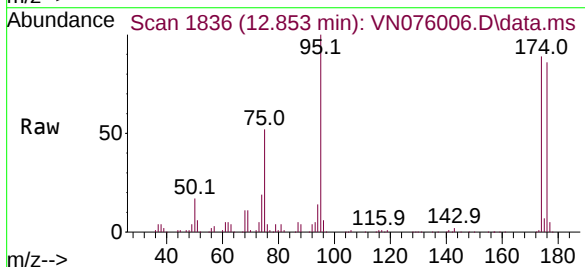
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-8

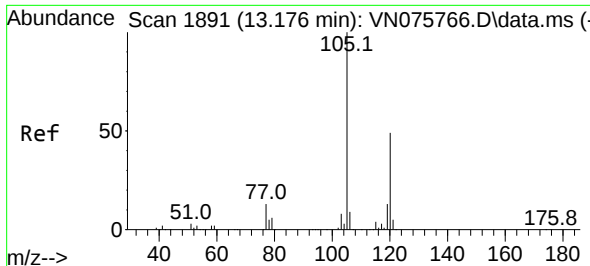
Tgt Ion:152 Resp: 236954
 Ion Ratio Lower Upper
 152 100
 115 57.4 29.1 87.4
 150 155.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.426 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076006.D
 Acq: 28 Dec 2022 17:44

Tgt Ion: 75 Resp: 116667
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

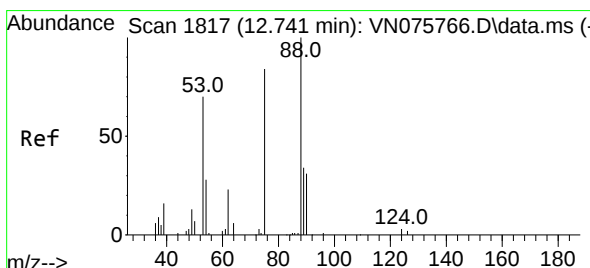
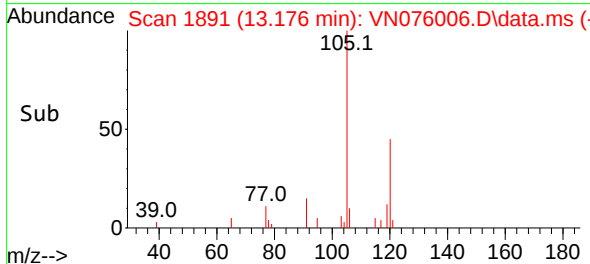
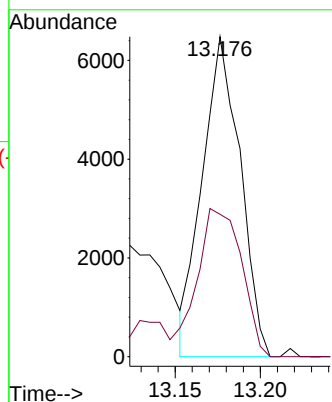
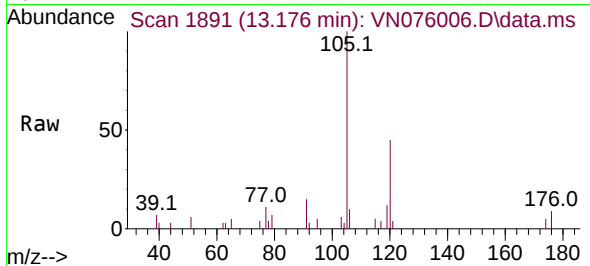




#80
1,3,5-Trimethylbenzene
Concen: 0.700 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

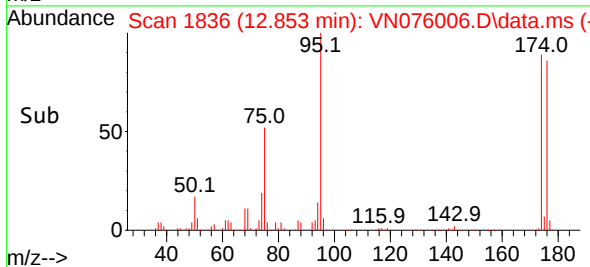
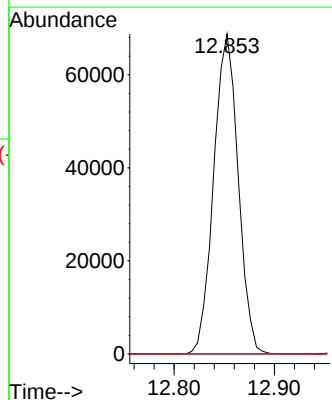
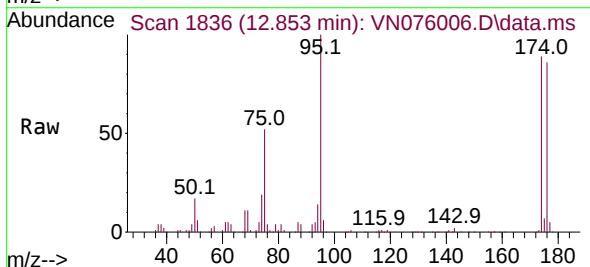
Instrument : MSVOA_N
ClientSampleId : SB-8

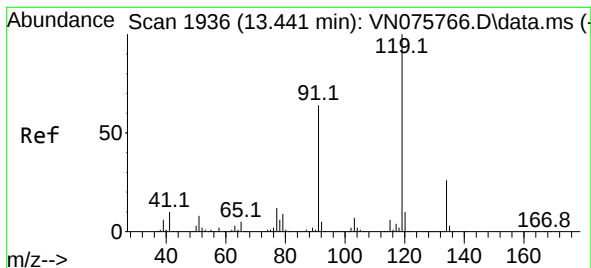
Tgt Ion:105 Resp: 10026
Ion Ratio Lower Upper
105 100
120 54.3 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 87.920 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076006.D
Acq: 28 Dec 2022 17:44

Tgt Ion: 75 Resp: 116667
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#83

tert-Butylbenzene

Concen: 0.277 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.041 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

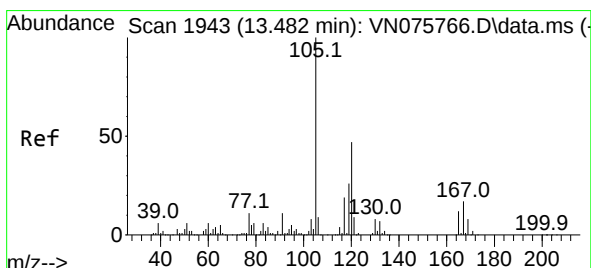
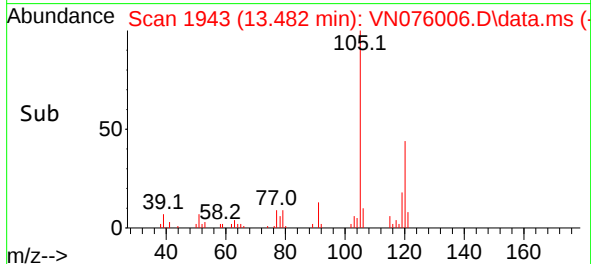
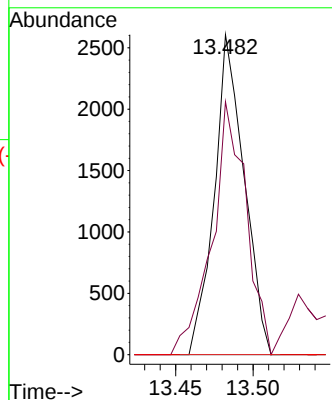
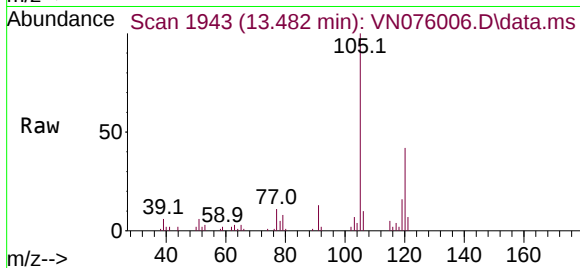
Instrument :

MSVOA_N

ClientSampleId :

SB-8

Tgt Ion:119	Resp:	3496
Ion Ratio	Lower	Upper
119	100	
91	89.9	31.9 95.5
134	0.0	13.8 41.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.100 ug/l

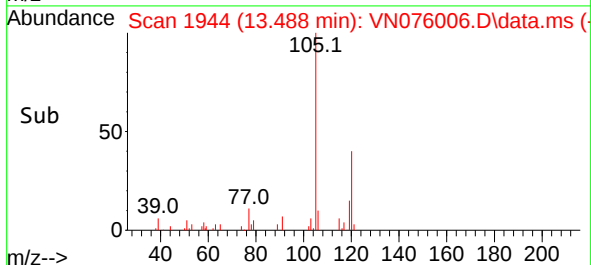
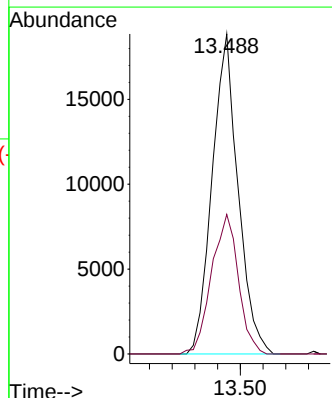
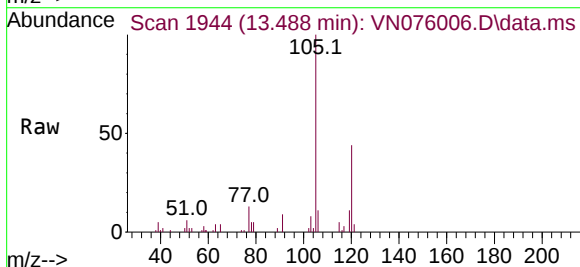
RT: 13.488 min Scan# 1944

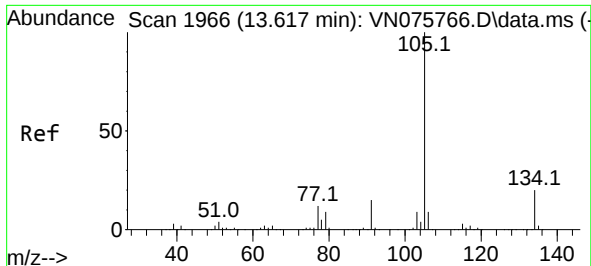
Delta R.T. 0.006 min

Lab File: VN076006.D

Acq: 28 Dec 2022 17:44

Tgt Ion:105	Resp:	29862
Ion Ratio	Lower	Upper
105	100	
120	45.1	23.3 69.8

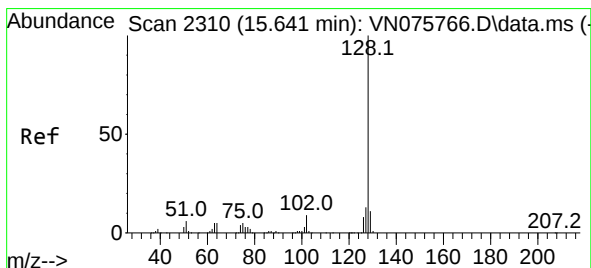
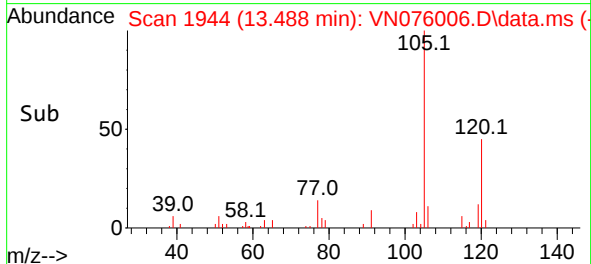
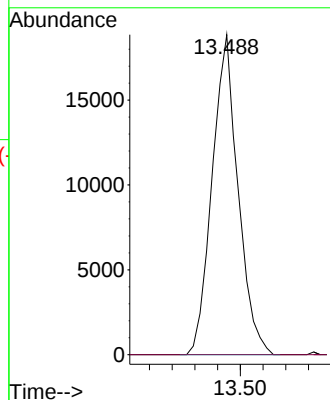
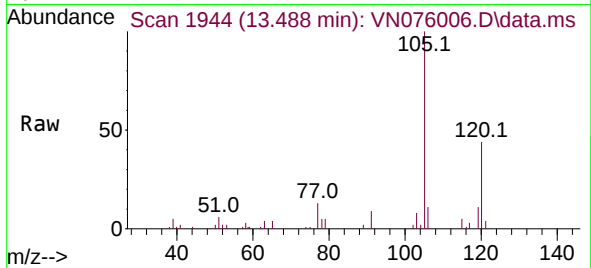




#85
 sec-Butylbenzene
 Concen: 1.712 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. -0.129 min
 Lab File: VN076006.D
 Acq: 28 Dec 2022 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-8

Tgt Ion:105 Resp: 29862
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 12.356 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN076006.D
 Acq: 28 Dec 2022 17:44

Tgt Ion:128 Resp: 137243
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 10.6 8.7 13.1

