

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076009.D
 Acq On : 28 Dec 2022 18:56
 Operator : JC\MD
 Sample : N6232-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Dec 29 04:56:28 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)

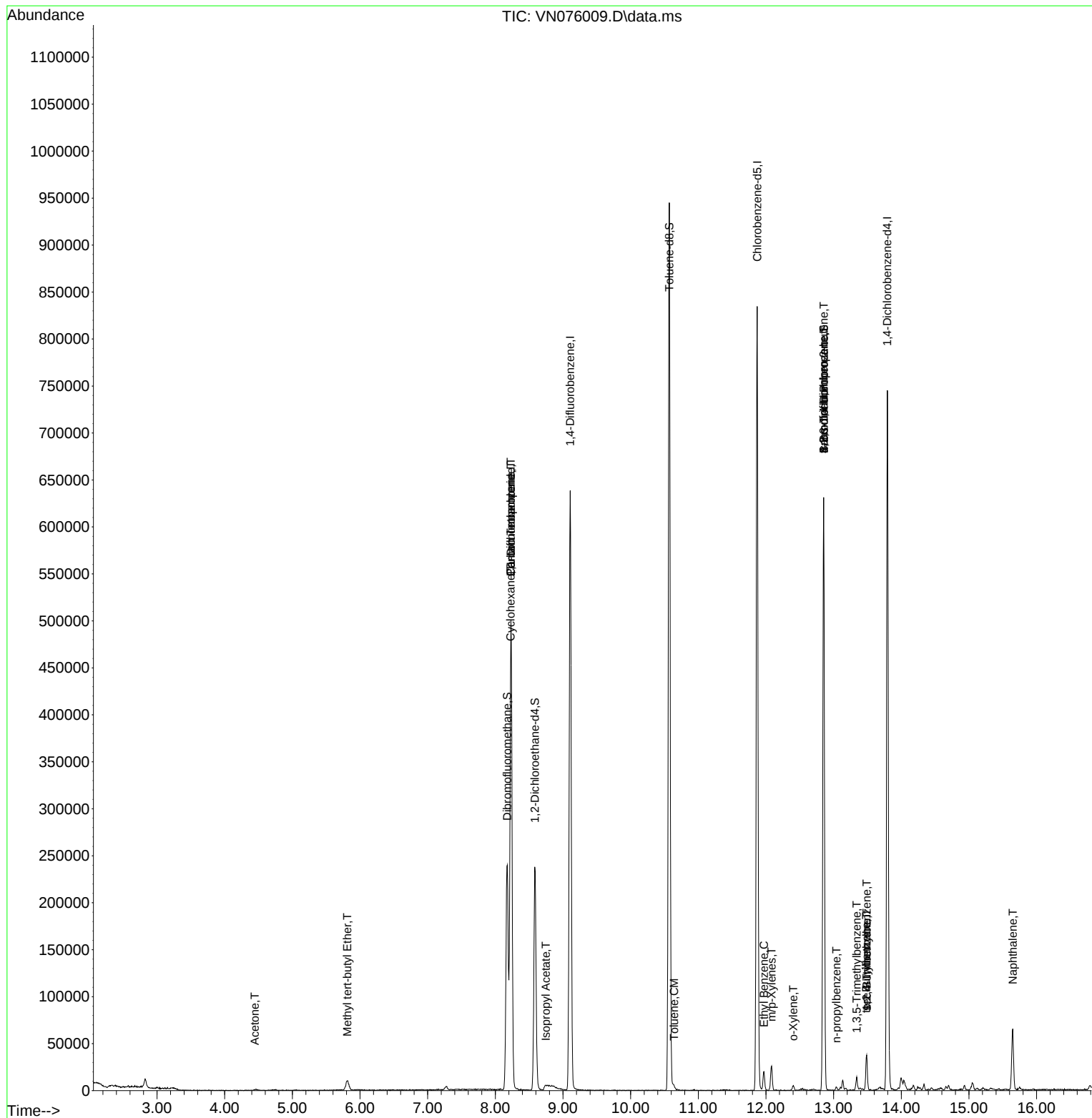
Internal Standards						
1) Pentafluorobenzene	8.230	168	389010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	602847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	510956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192442	45.472	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.940%
35) Dibromofluoromethane	8.177	113	175327	46.962	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.920%
50) Toluene-d8	10.571	98	676409	48.458	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.853	95	210107	45.446	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.900%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	1386	0.950	ug/l #	39
19) Methyl tert-butyl Ether	5.812	73	17111	1.507	ug/l	92
20) Methylene Chloride	5.306	84	64	Below Cal	#	12
31) Cyclohexane	8.224	56	7321	1.208	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	27417	5.528	ug/l #	50
38) Carbon Tetrachloride	8.230	117	38395	6.917	ug/l #	16
43) Isopropyl Acetate	8.747	43	4160	0.633	ug/l #	50
52) Toluene	10.641	92	2033	0.204	ug/l	97
67) Ethyl Benzene	11.971	91	15028	0.849	ug/l	95
68) m/p-Xylenes	12.082	106	8566	1.223	ug/l	96
69) o-Xylene	12.406	106	1532	0.221	ug/l	90
71) Bromoform	12.853	173	1602	0.567	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107233	24.777	ug/l #	1
78) n-propylbenzene	13.041	91	3719	0.217	ug/l	89
80) 1,3,5-Trimethylbenzene	13.341	105	8343	0.642	ug/l	68
81) trans-1,4-Dichloro-2-b...	12.853	75	107233	89.186	ug/l #	12
83) tert-Butylbenzene	13.482	119	3149	0.275	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.488	105	23570	1.830	ug/l	100
85) sec-Butylbenzene	13.488	105	23570	1.492	ug/l #	56
95) Naphthalene	15.647	128	63916	7.409	ug/l	99

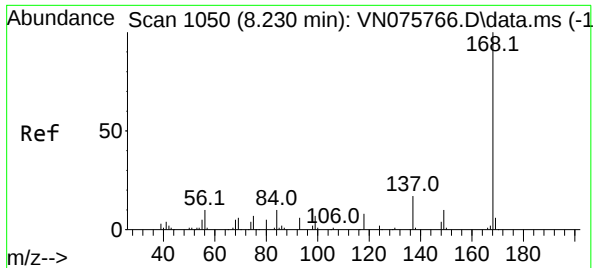
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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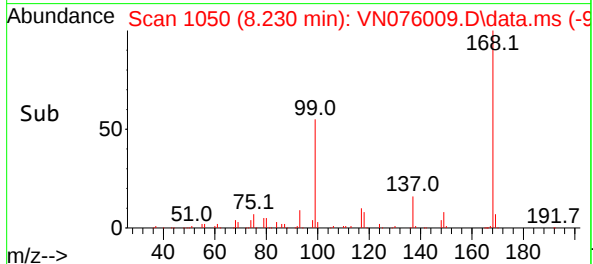
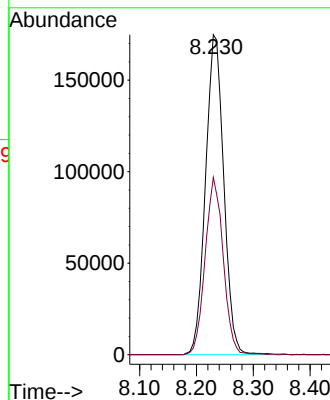
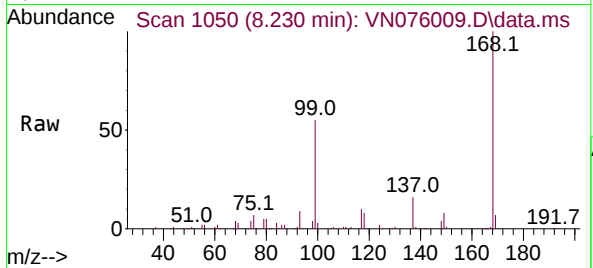




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

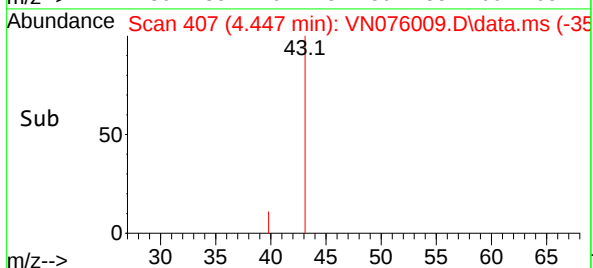
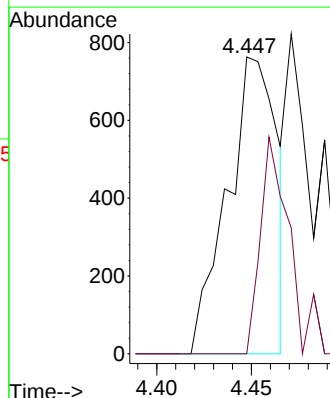
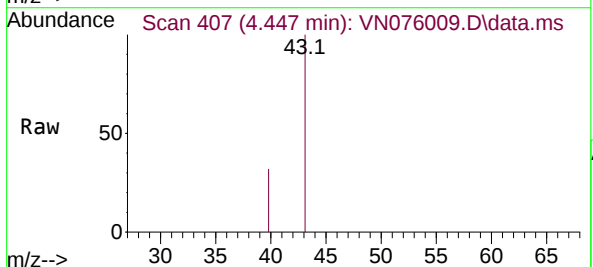
Instrument :
MSVOA_N
ClientSampleId :
MW-11

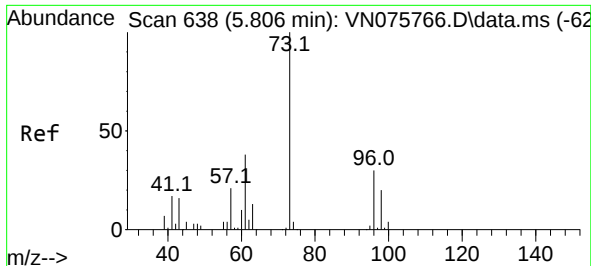
Tgt Ion:168 Resp: 389010
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#16
Acetone
Concen: 0.950 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

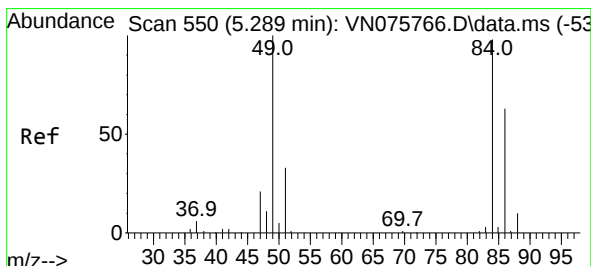
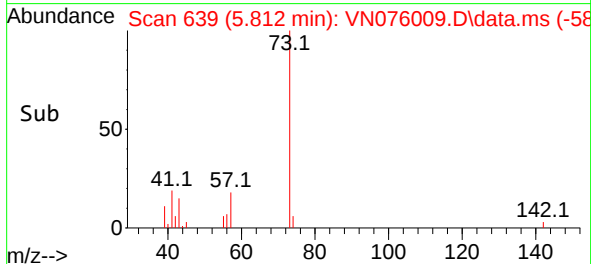
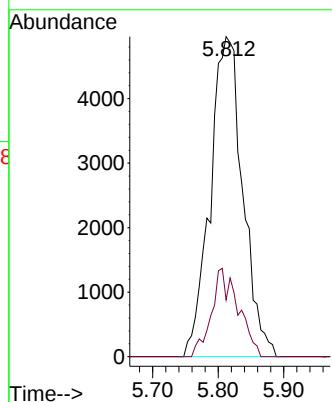
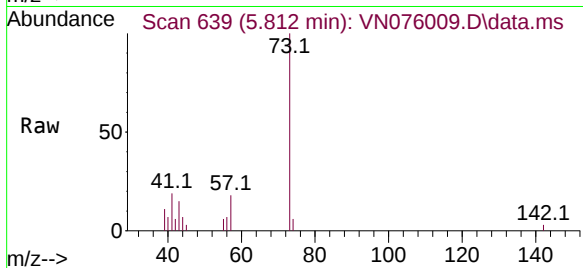




#19
Methyl tert-butyl Ether
Concen: 1.507 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

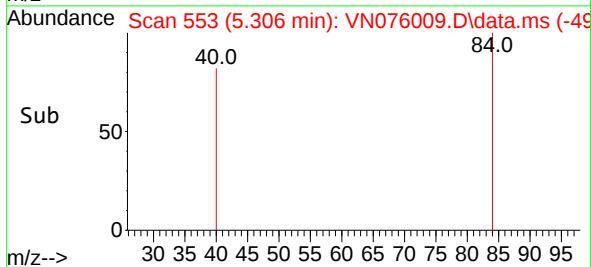
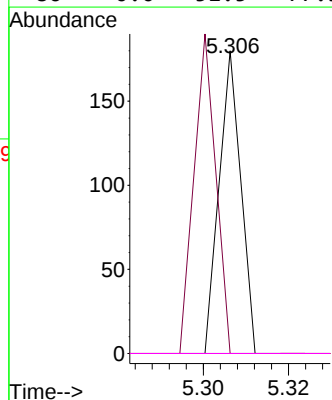
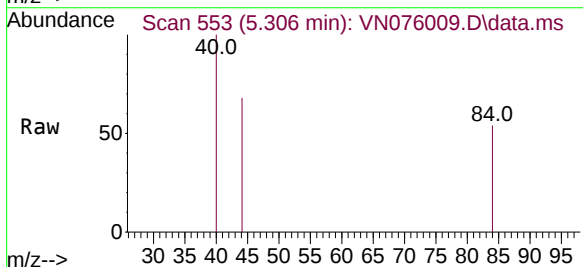
Instrument :
MSVOA_N
ClientSampleId :
MW-11

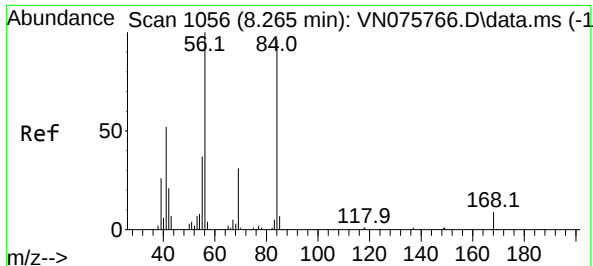
Tgt Ion: 73 Resp: 17111
Ion Ratio Lower Upper
73 100
57 17.7 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 553
Delta R.T. 0.017 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 84 Resp: 64
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

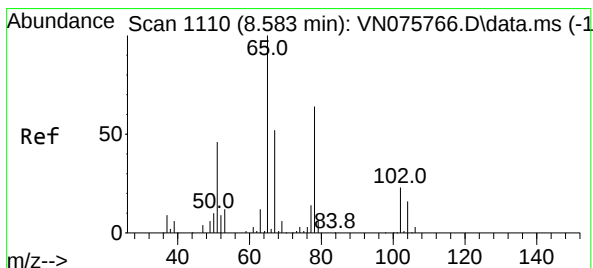
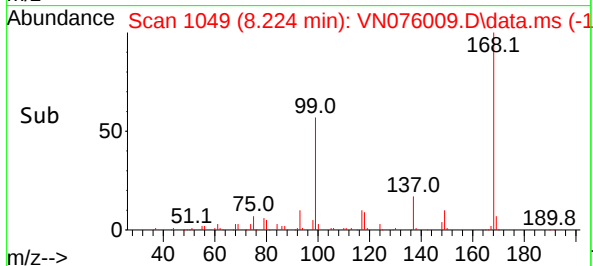
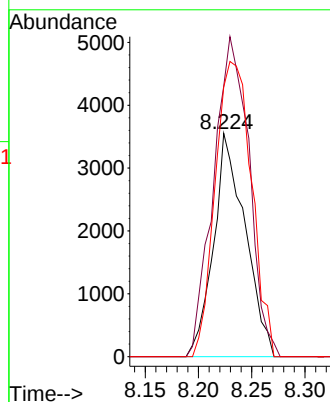
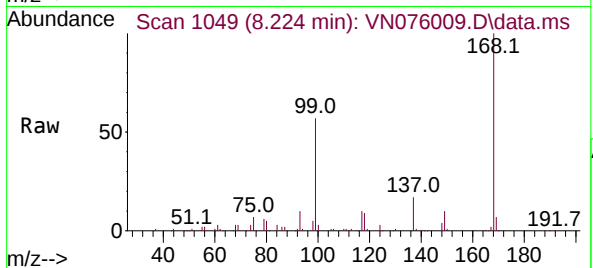




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

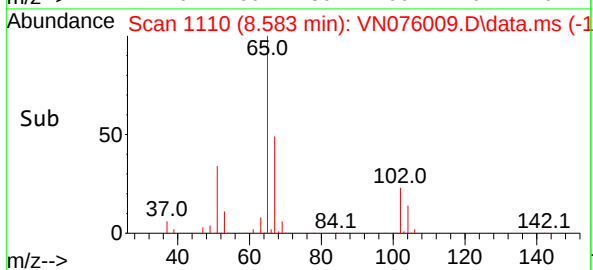
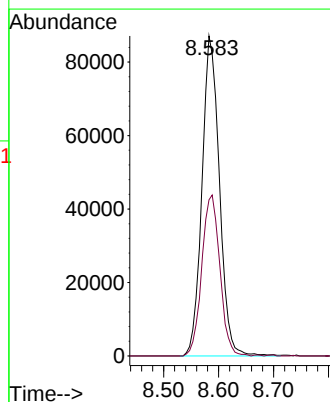
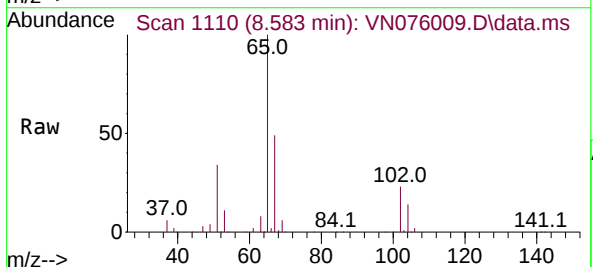
Instrument :
MSVOA_N
ClientSampleId :
MW-11

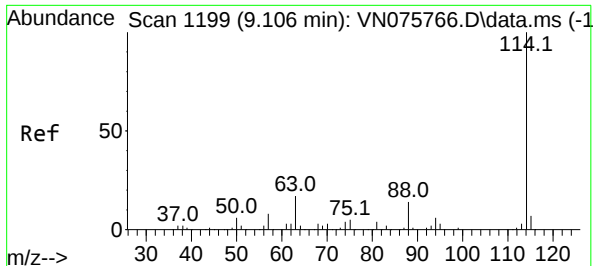
Tgt Ion: 56 Resp: 7321
Ion Ratio Lower Upper
56 100
69 121.1 24.7 37.1#
84 120.7 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 45.472 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 65 Resp: 192442
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: VN076009.D

Acq: 28 Dec 2022 18:56

Instrument :

MSVOA_N

ClientSampleId :

MW-11

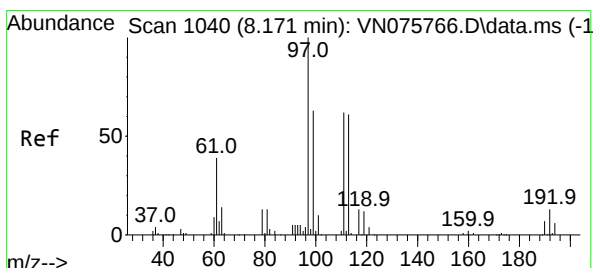
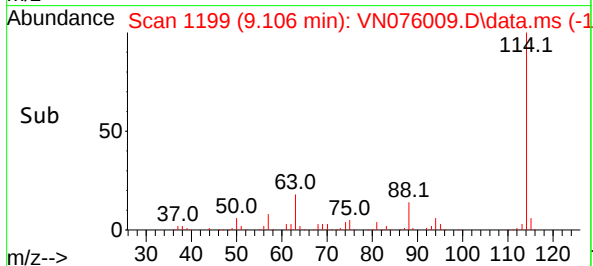
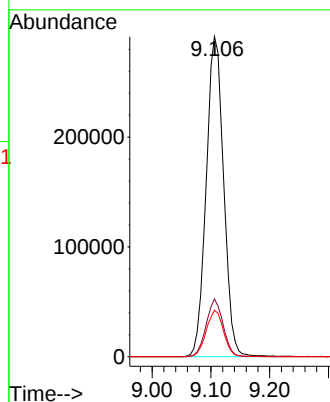
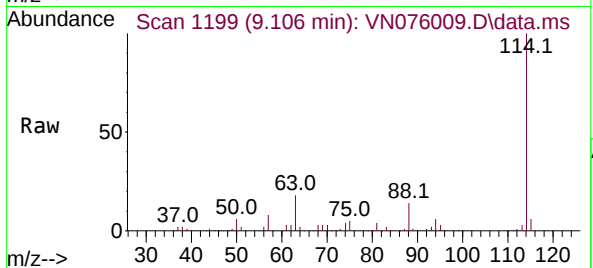
Tgt Ion:114 Resp: 602847

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 14.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.962 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076009.D

Acq: 28 Dec 2022 18:56

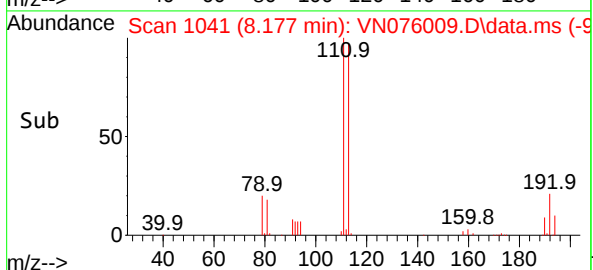
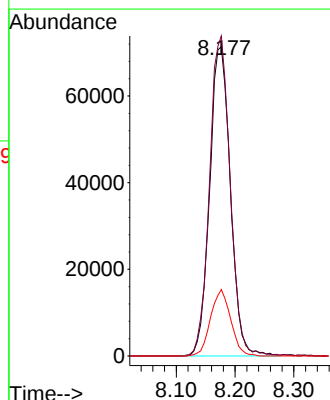
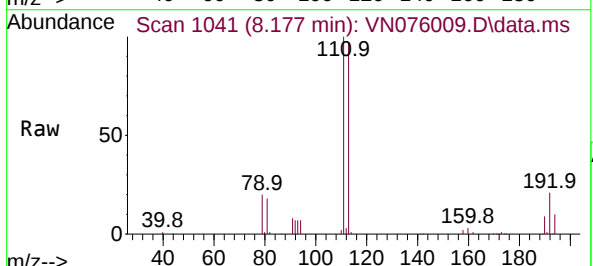
Tgt Ion:113 Resp: 175327

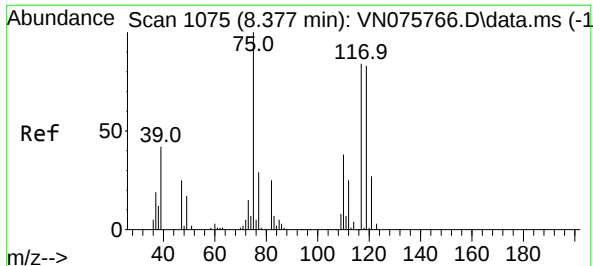
Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

192 20.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.528 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076009.D

Acq: 28 Dec 2022 18:56

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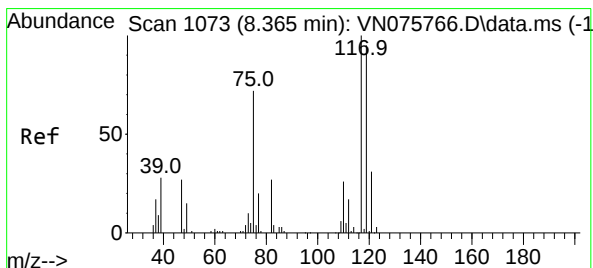
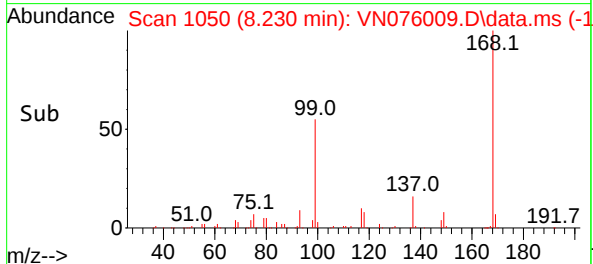
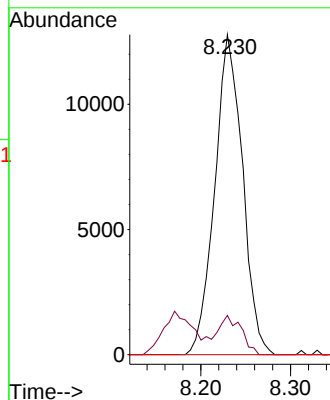
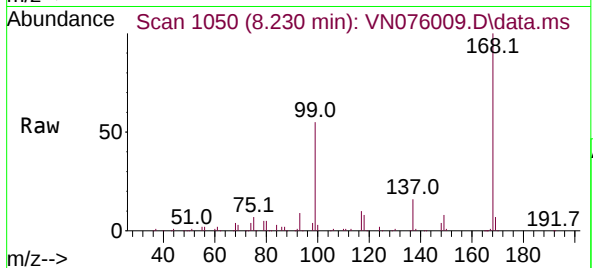
Tgt Ion: 75 Resp: 27417

Ion Ratio Lower Upper

75 100

110 9.9 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.917 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076009.D

Acq: 28 Dec 2022 18:56

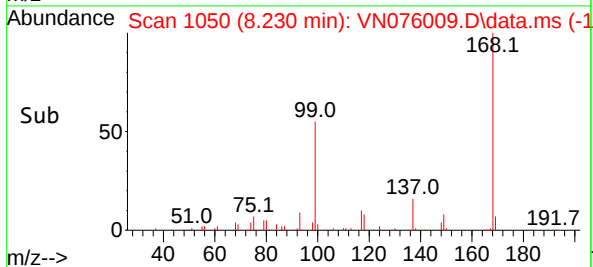
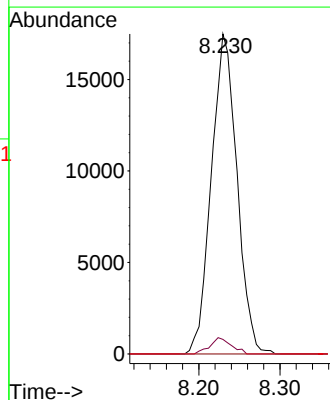
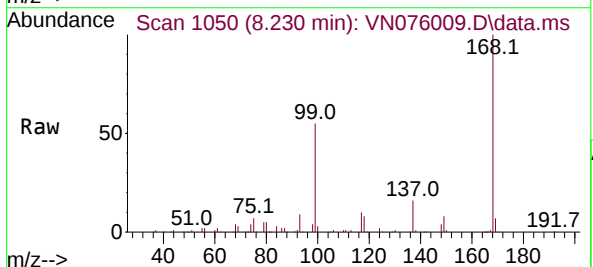
Tgt Ion: 117 Resp: 38395

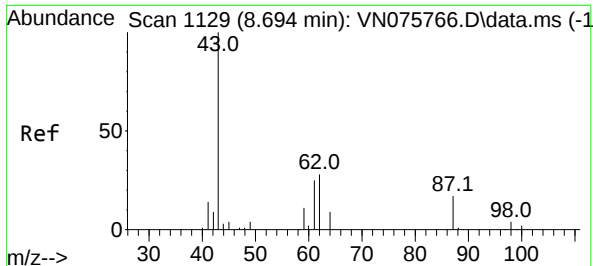
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 0.633 ug/l

RT: 8.747 min Scan# 1129

Delta R.T. 0.053 min

Lab File: VN076009.D

Acq: 28 Dec 2022 18:56

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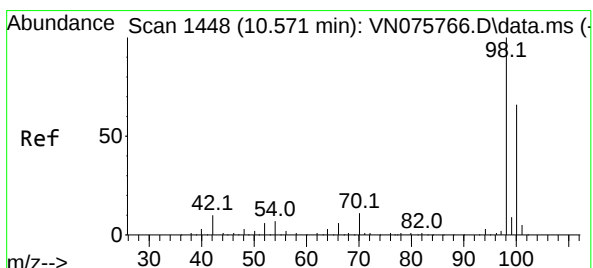
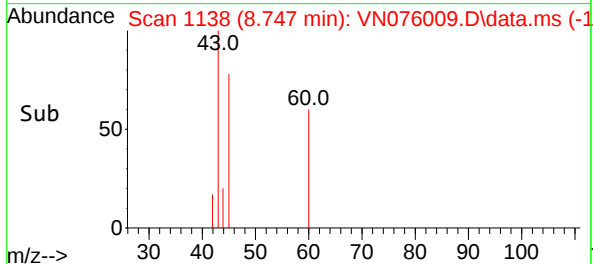
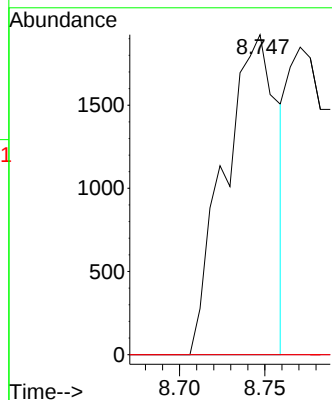
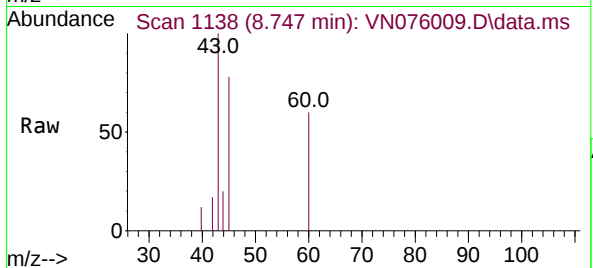
Tgt Ion: 43 Resp: 4160

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#



#50

Toluene-d8

Concen: 48.458 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076009.D

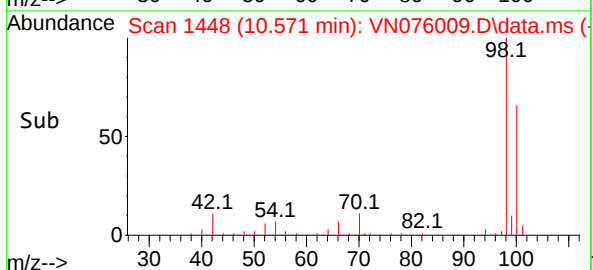
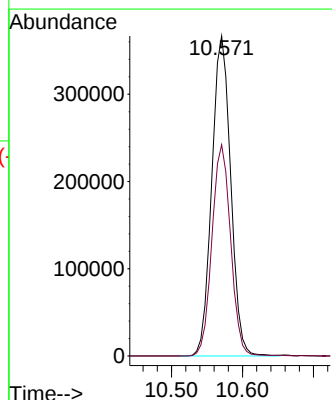
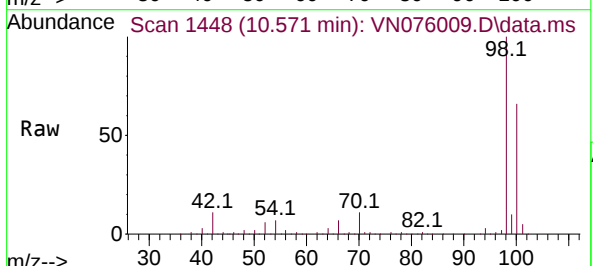
Acq: 28 Dec 2022 18:56

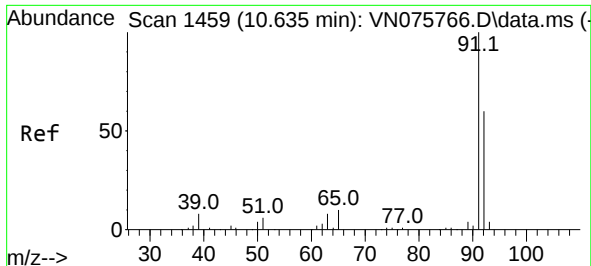
Tgt Ion: 98 Resp: 676409

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1

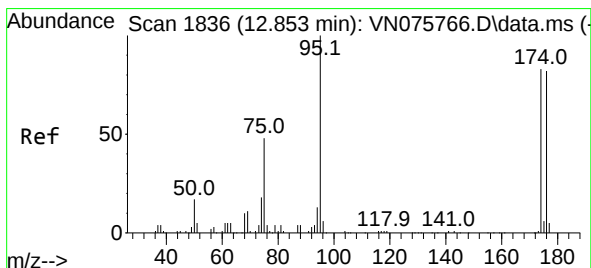
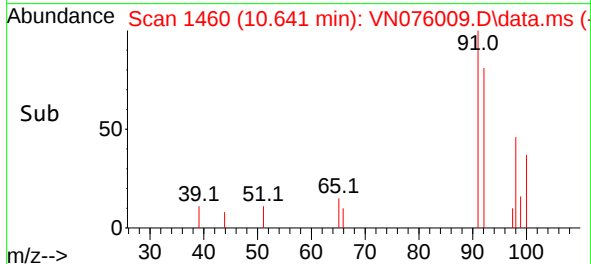
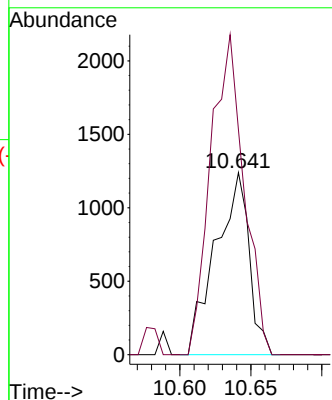
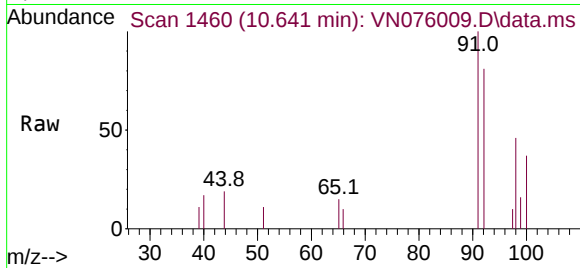




#52
Toluene
Concen: 0.204 ug/l
RT: 10.641 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

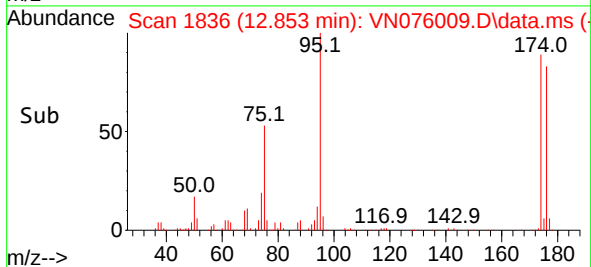
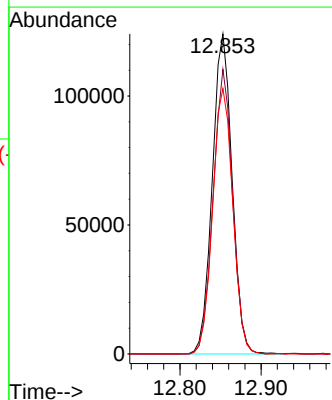
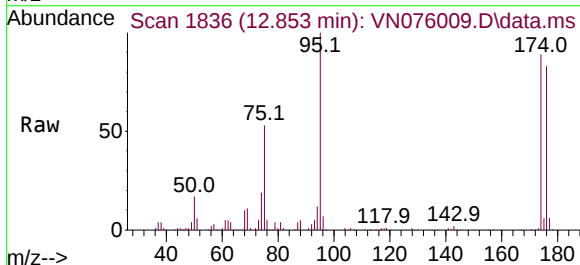
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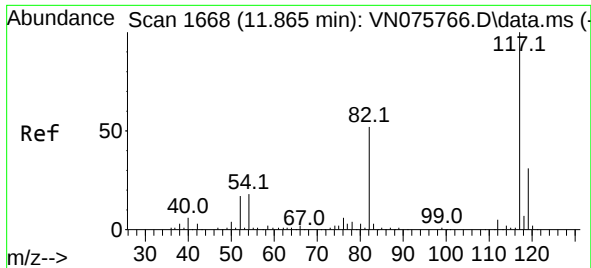
Tgt Ion: 92 Resp: 2033
Ion Ratio Lower Upper
92 100
91 175.2 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 45.446 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 95 Resp: 210107
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 84.5 0.0 169.2

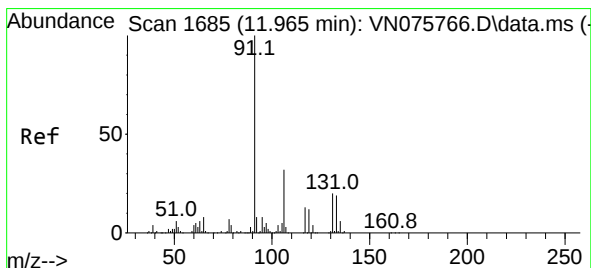
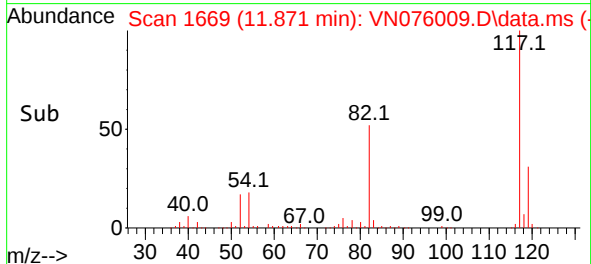
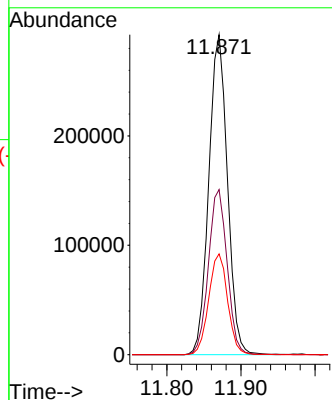
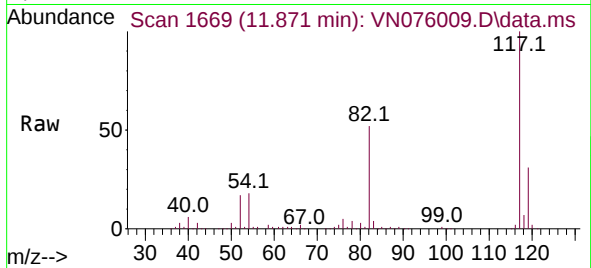




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

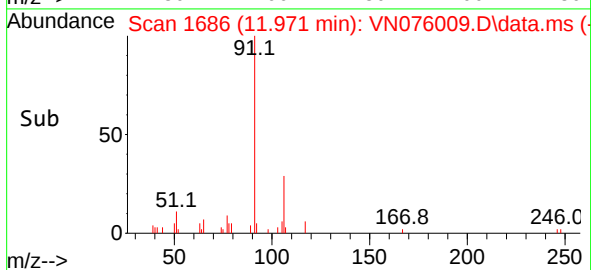
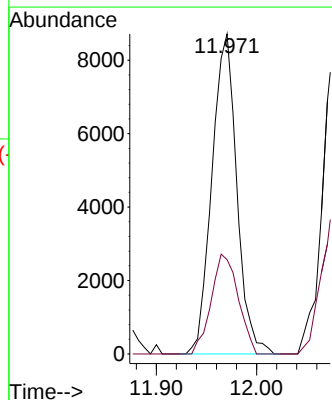
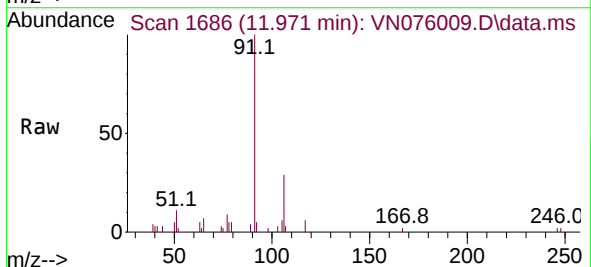
Instrument :
MSVOA_N
ClientSampleId :
MW-11

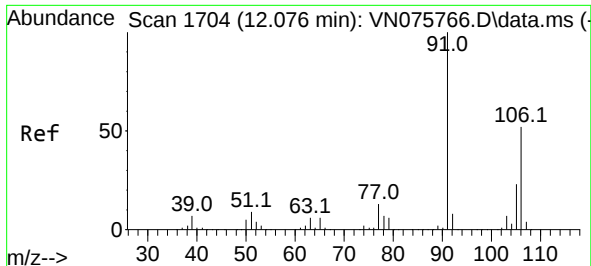
Tgt Ion:117 Resp: 510956
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 31.5 24.6 37.0



#67
Ethyl Benzene
Concen: 0.849 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 91 Resp: 15028
Ion Ratio Lower Upper
91 100
106 29.5 25.7 38.5

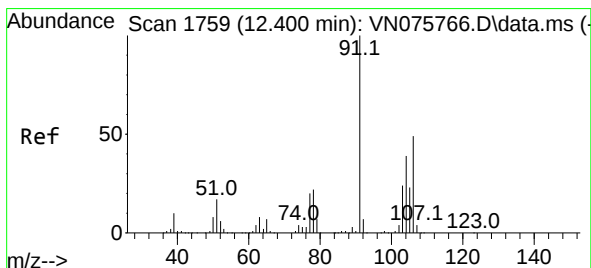
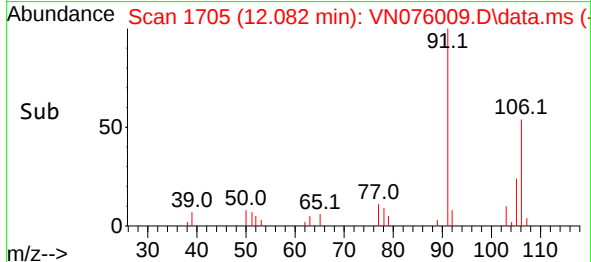
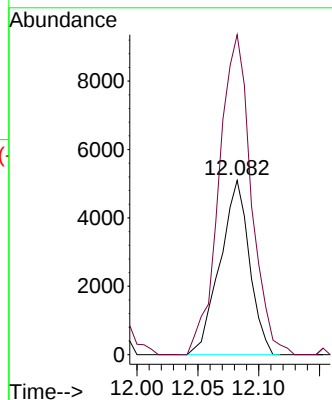
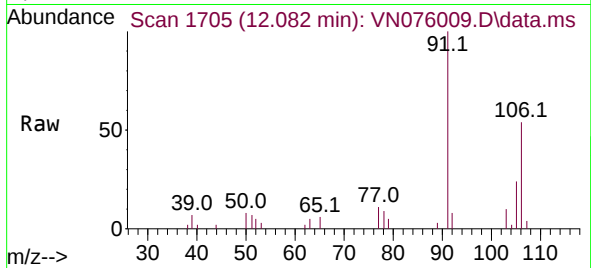




#68
m/p-Xylenes
Concen: 1.223 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

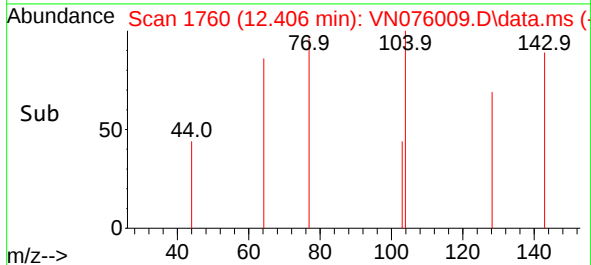
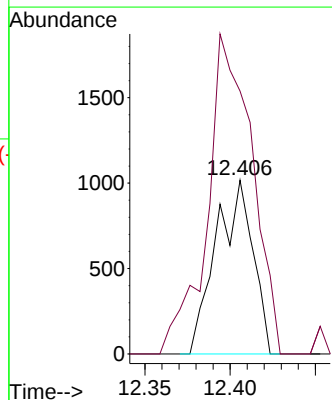
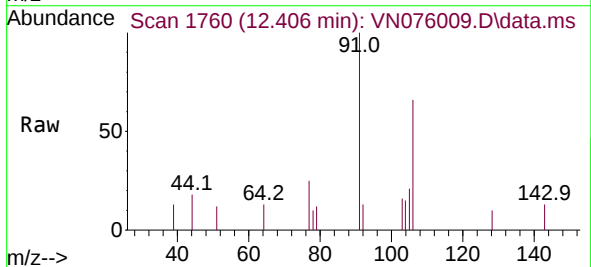
Instrument :
MSVOA_N
ClientSampleId :
MW-11

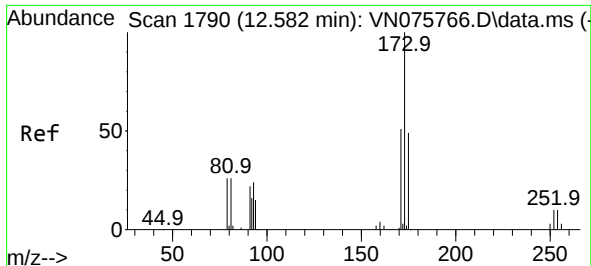
Tgt Ion:106 Resp: 8566
Ion Ratio Lower Upper
106 100
91 201.2 156.6 235.0



#69
o-Xylene
Concen: 0.221 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion:106 Resp: 1532
Ion Ratio Lower Upper
106 100
91 223.2 103.8 311.6

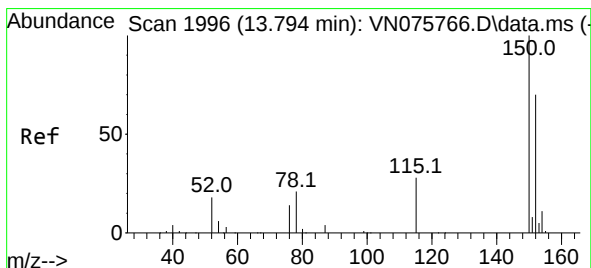
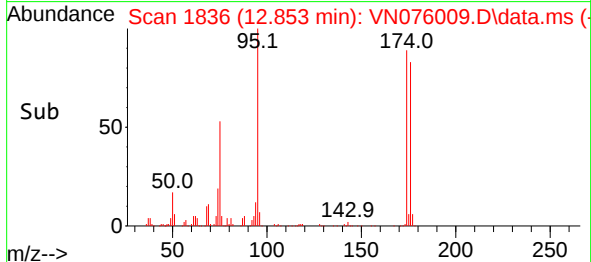
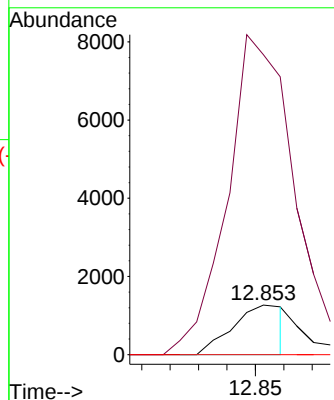
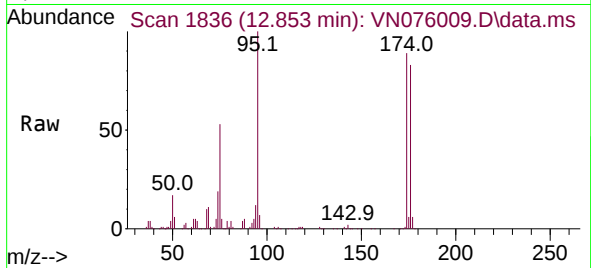




#71
Bromoform
Concen: 0.567 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

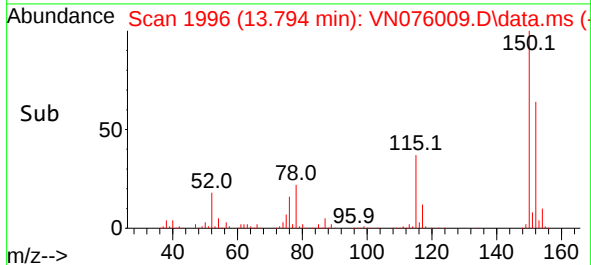
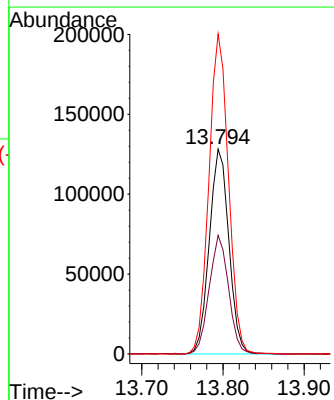
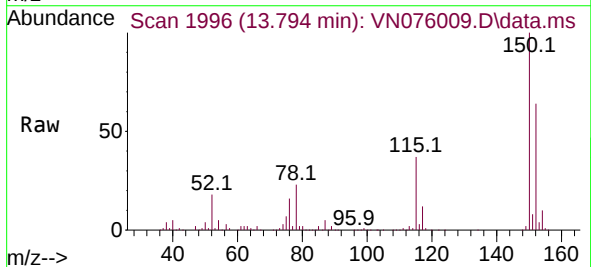
Instrument :
MSVOA_N
ClientSampleId :
MW-11

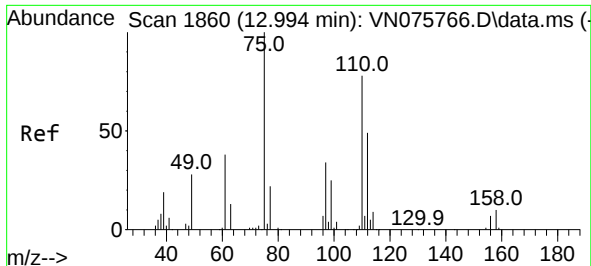
Tgt Ion:173 Resp: 1602
Ion Ratio Lower Upper
173 100
175 674.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion:152 Resp: 214703
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.4
150 155.8 0.0 347.0

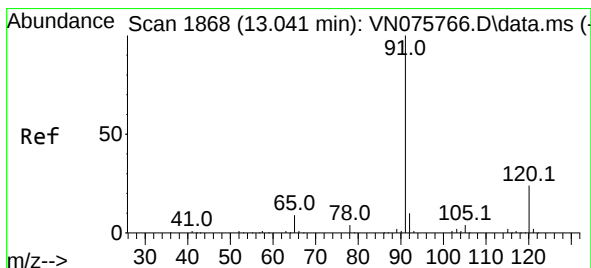
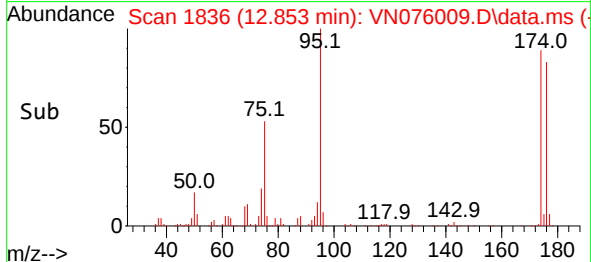
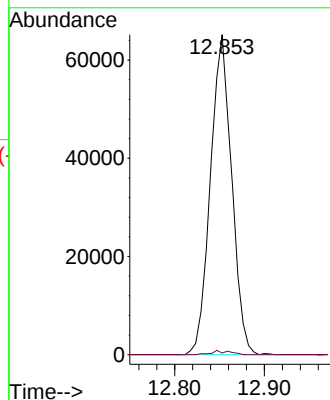
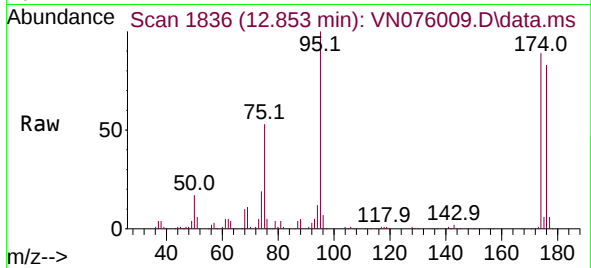




#76
1,2,3-Trichloropropane
Concen: 24.777 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

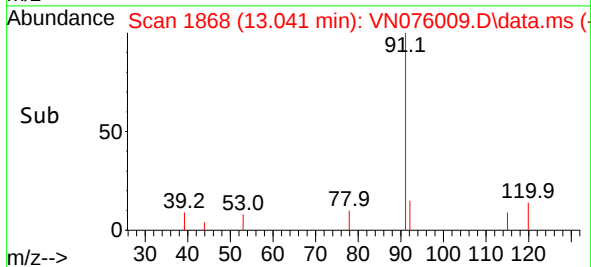
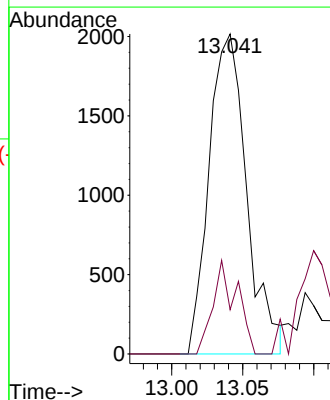
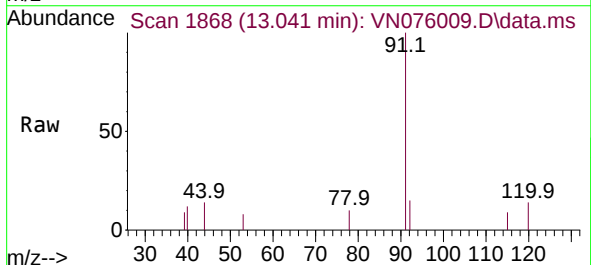
Instrument :
MSVOA_N
ClientSampleId :
MW-11

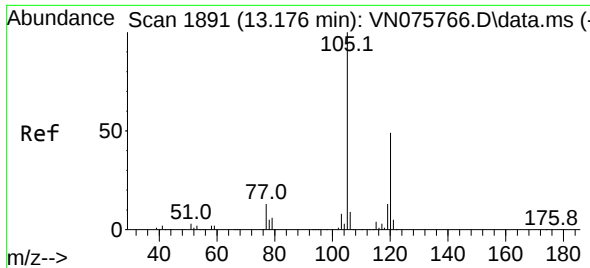
Tgt Ion: 75 Resp: 107233
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#78
n-propylbenzene
Concen: 0.217 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion: 91 Resp: 3719
Ion Ratio Lower Upper
91 100
120 18.6 12.0 36.1

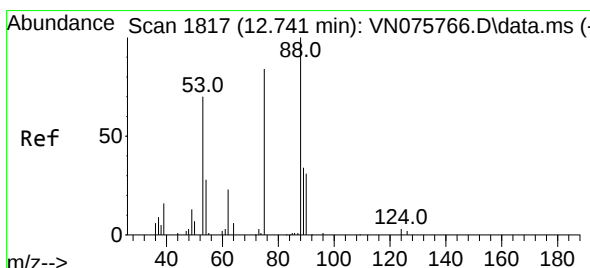
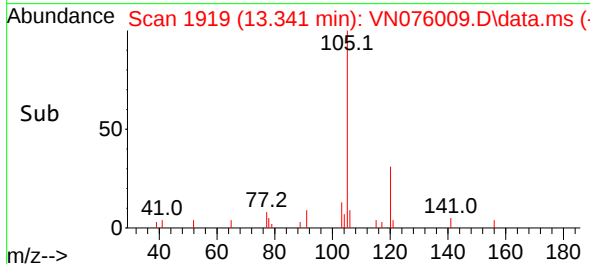
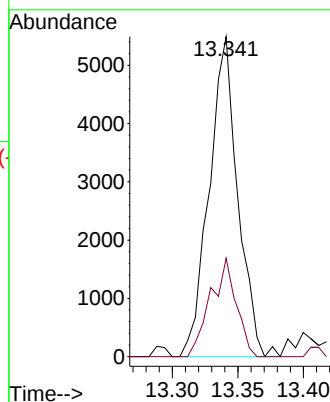
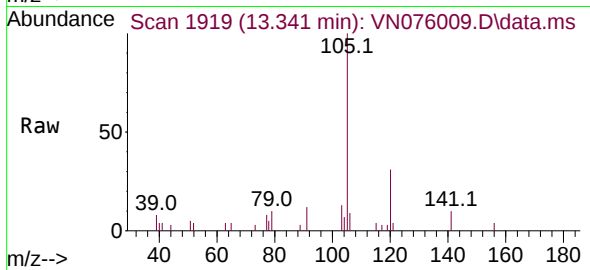




#80
 1,3,5-Trimethylbenzene
 Concen: 0.642 ug/l
 RT: 13.341 min Scan# 1919
 Delta R.T. 0.165 min
 Lab File: VN076009.D
 Acq: 28 Dec 2022 18:56

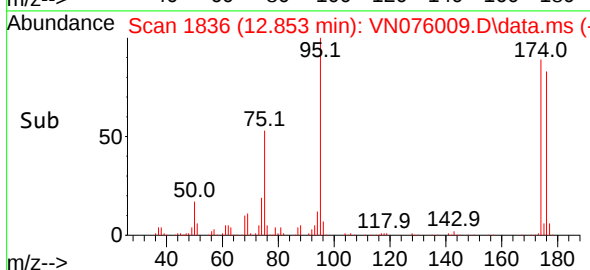
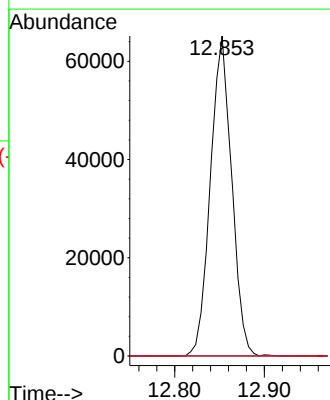
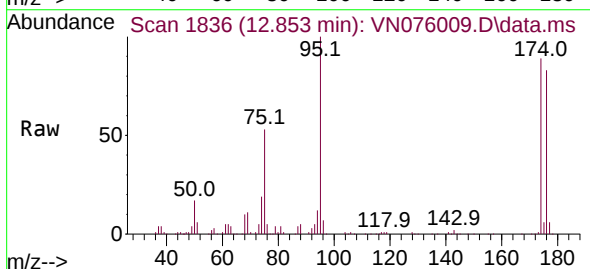
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

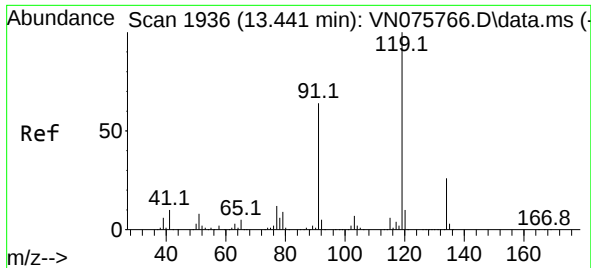
Tgt Ion:105 Resp: 8343
 Ion Ratio Lower Upper
 105 100
 120 27.7 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.186 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.112 min
 Lab File: VN076009.D
 Acq: 28 Dec 2022 18:56

Tgt Ion: 75 Resp: 107233
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 39.5 59.3#

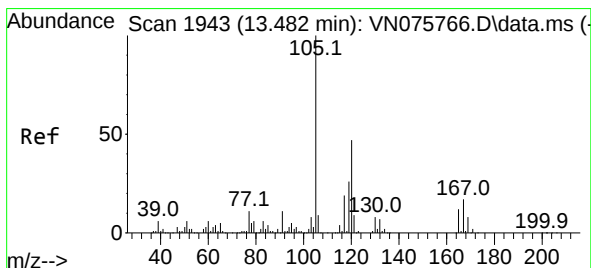
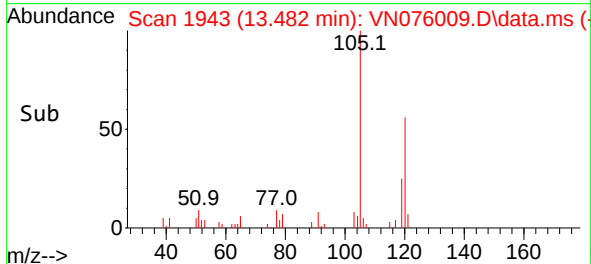
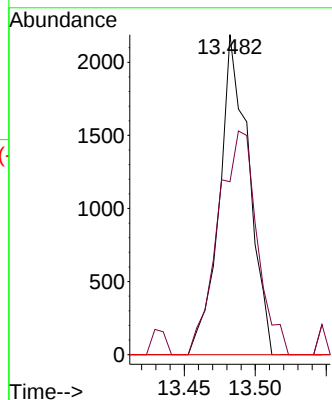
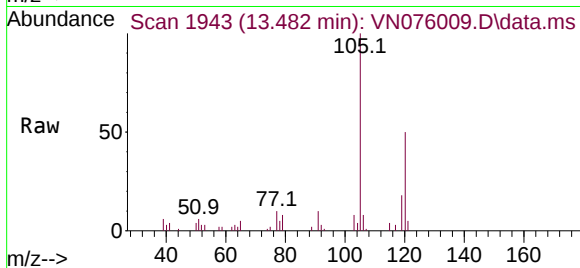




#83
tert-Butylbenzene
Concen: 0.275 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.041 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

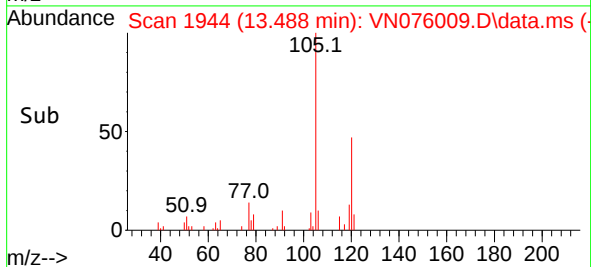
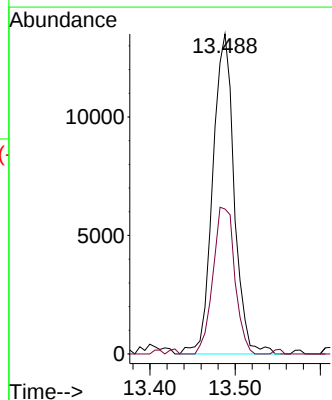
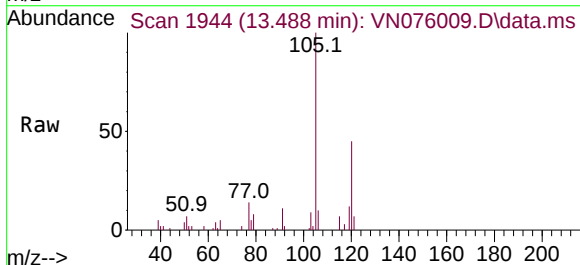
Instrument :
MSVOA_N
ClientSampleId :
MW-11

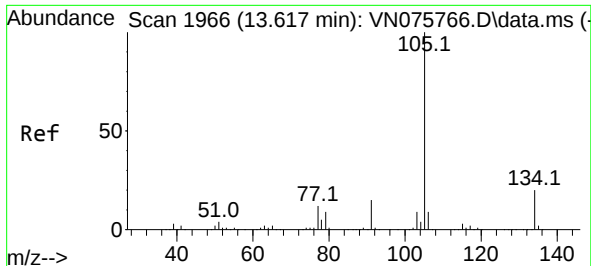
Tgt Ion	Ratio	Lower	Upper
119	100		
91	93.1	31.9	95.5
134	0.0	13.8	41.4



#84
1,2,4-Trimethylbenzene
Concen: 1.830 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076009.D
Acq: 28 Dec 2022 18:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8

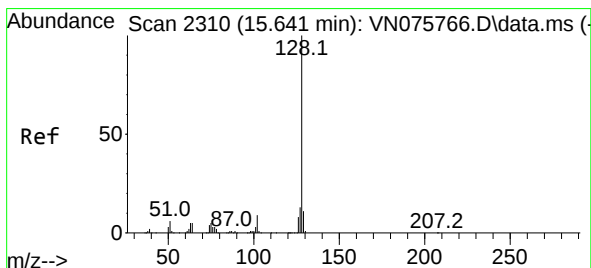
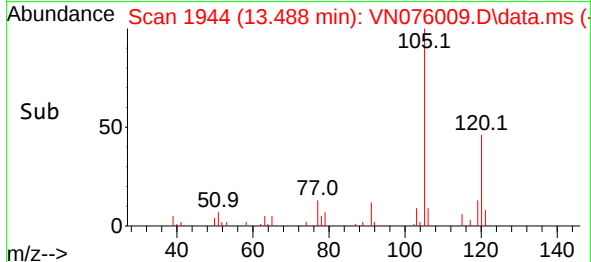
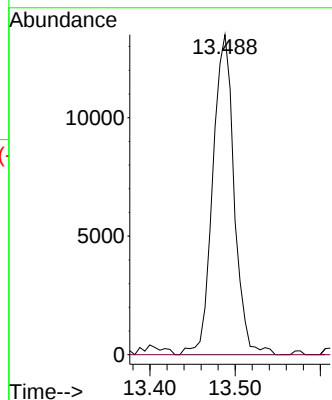
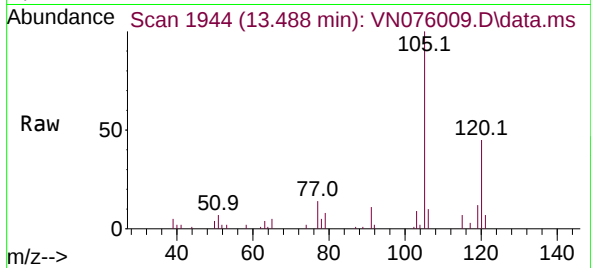




#85
 sec-Butylbenzene
 Concen: 1.492 ug/l
 RT: 13.488 min Scan# 1966
 Delta R.T. -0.129 min
 Lab File: VN076009.D
 Acq: 28 Dec 2022 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tgt Ion:105 Resp: 23570
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 7.409 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.006 min
 Lab File: VN076009.D
 Acq: 28 Dec 2022 18:56

Tgt Ion:128 Resp: 63916
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 10.6 8.7 13.1

