

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075688.D
 Acq On : 10 Dec 2022 04:22
 Operator : JC\MD
 Sample : N5989-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19

Quant Time: Dec 12 04:25:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

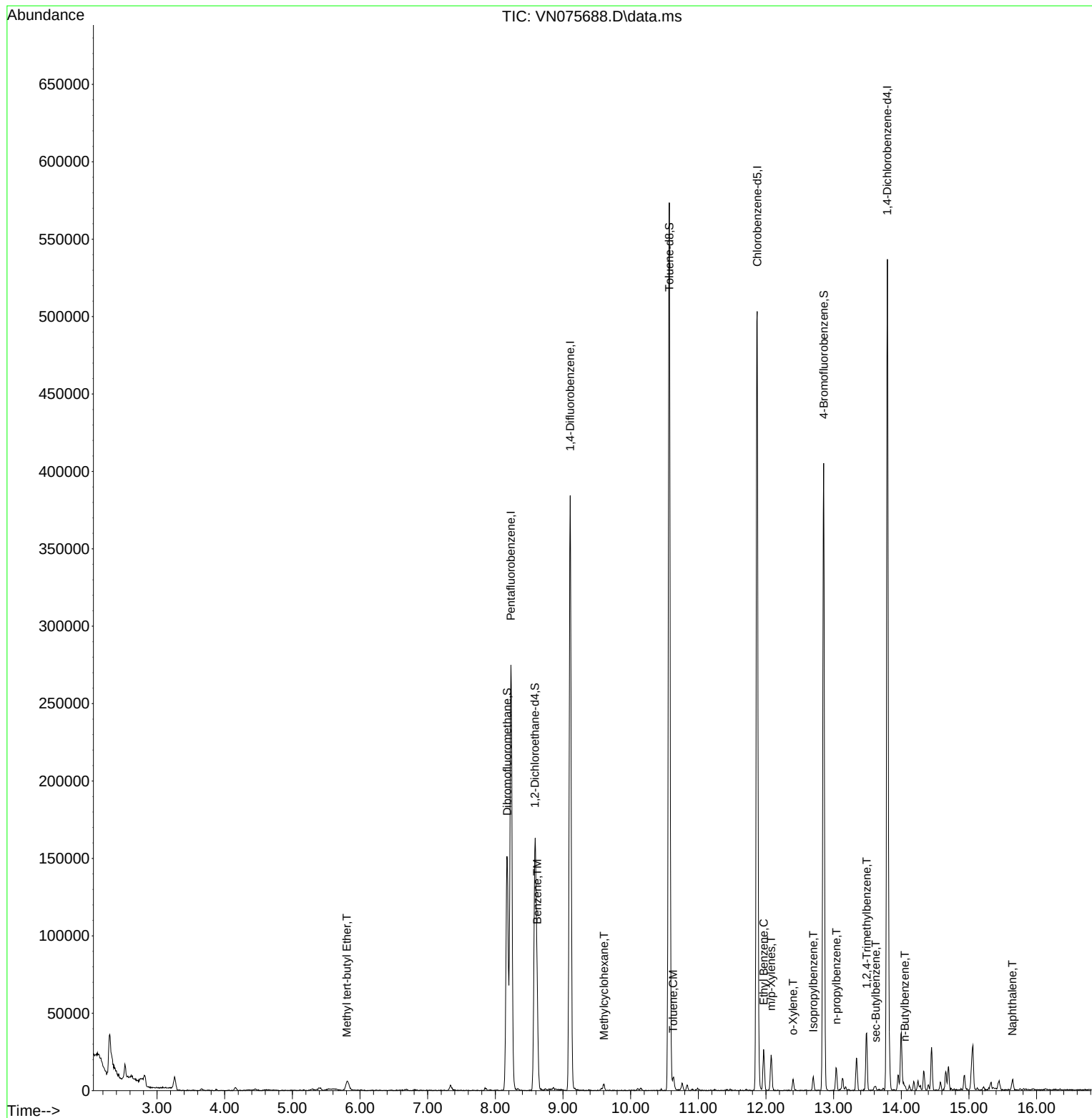
Internal Standards						
1) Pentafluorobenzene	8.229	168	214627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	317841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	120302	52.828	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.660%	
35) Dibromofluoromethane	8.177	113	109659	50.628	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.260%	
50) Toluene-d8	10.571	98	411468	50.585	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.853	95	136507	49.083	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.160%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.806	73	9250	1.496	ug/l	98
39) Methylcyclohexane	9.606	83	1989	0.545	ug/l #	87
40) Benzene	8.618	78	71842	8.139	ug/l	93
52) Toluene	10.629	92	3693	0.633	ug/l	96
67) Ethyl Benzene	11.965	91	18761	1.696	ug/l	93
68) m/p-Xylenes	12.076	106	7745	1.733	ug/l	99
69) o-Xylene	12.400	106	2051	0.473	ug/l	79
73) Isopropylbenzene	12.700	105	6686	0.607	ug/l	98
78) n-propylbenzene	13.041	91	12735	1.042	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	23054	2.491	ug/l	98
85) sec-Butylbenzene	13.623	105	2659	0.232	ug/l #	71
89) n-Butylbenzene	14.053	91	1771	0.230	ug/l #	80
95) Naphthalene	15.641	128	7647	1.046	ug/l	98

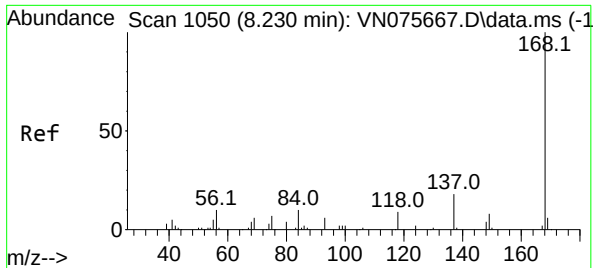
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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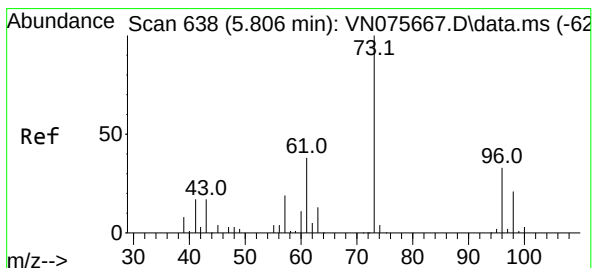
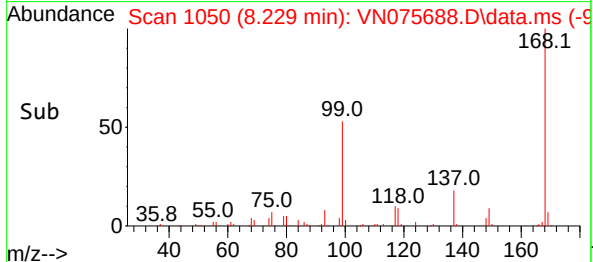
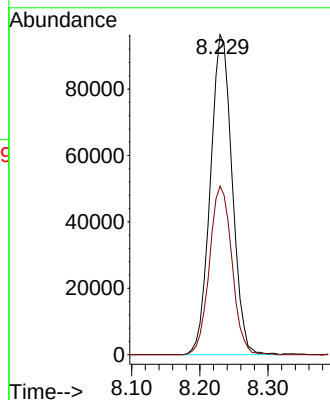
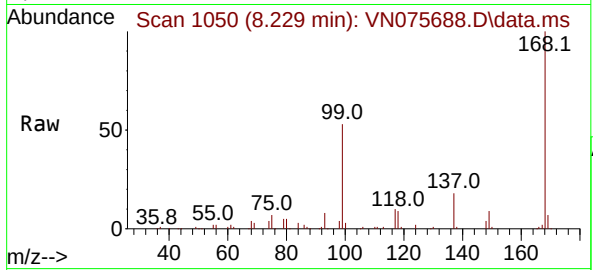




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

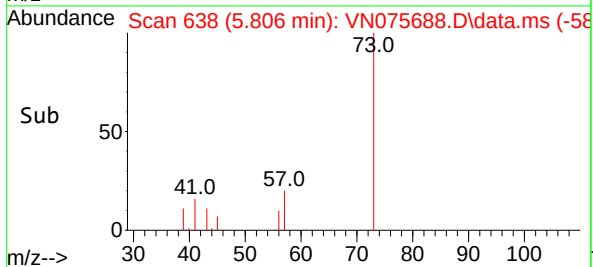
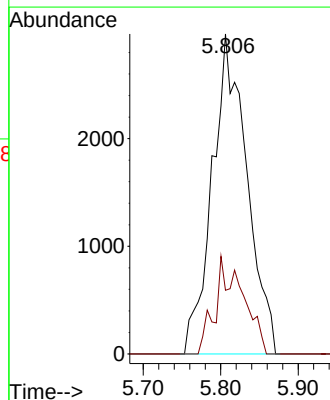
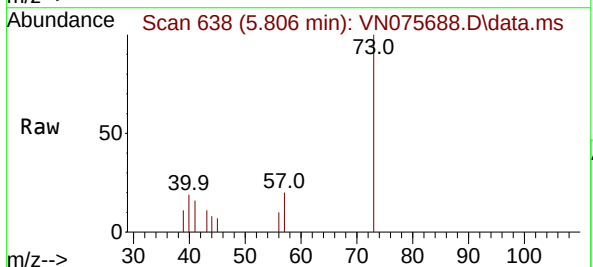
Instrument :
MSVOA_N
ClientSampleId :
MW-19

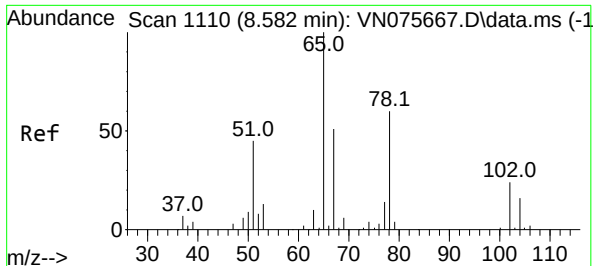
Tgt Ion:168 Resp: 214627
Ion Ratio Lower Upper
168 100
99 52.7 41.2 61.8



#19
Methyl tert-butyl Ether
Concen: 1.496 ug/l
RT: 5.806 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 73 Resp: 9250
Ion Ratio Lower Upper
73 100
57 19.9 15.1 22.7





#33

1,2-Dichloroethane-d4

Concen: 52.828 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075688.D

Acq: 10 Dec 2022 04:22

Instrument :

MSVOA_N

ClientSampleId :

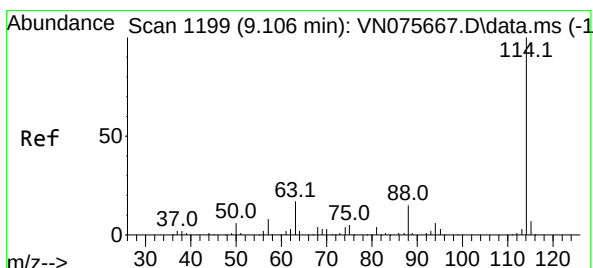
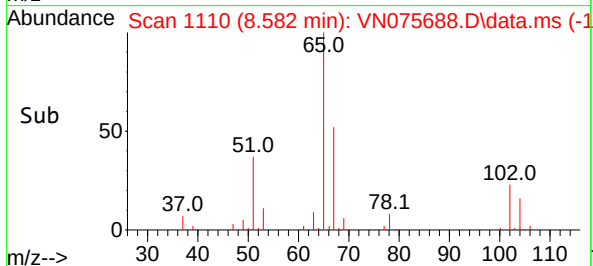
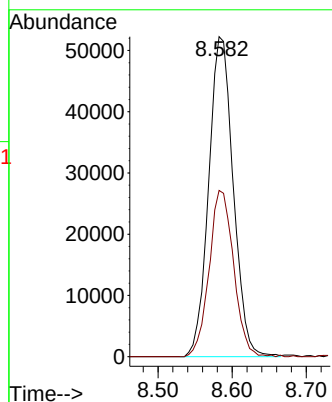
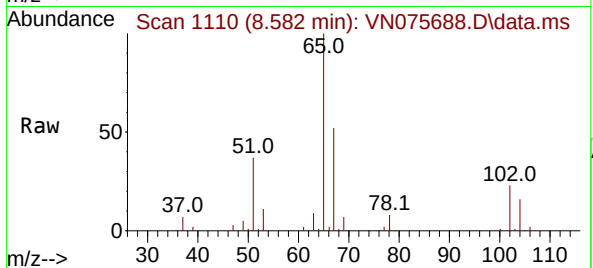
MW-19

Tgt Ion: 65 Resp: 120302

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075688.D

Acq: 10 Dec 2022 04:22

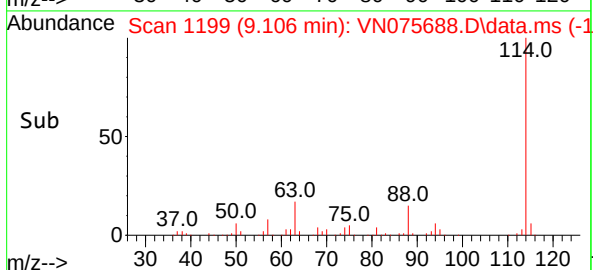
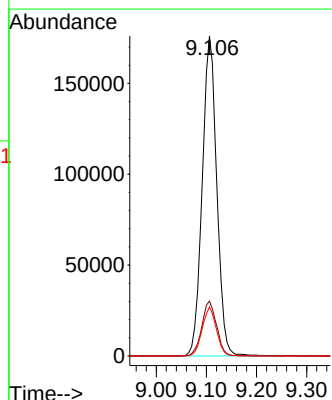
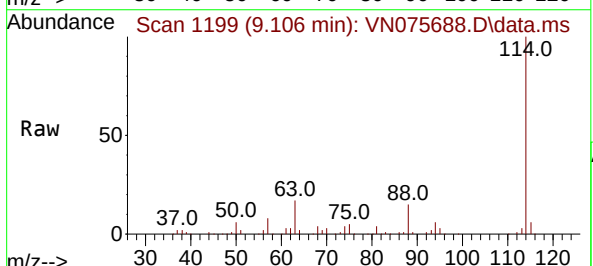
Tgt Ion: 114 Resp: 355009

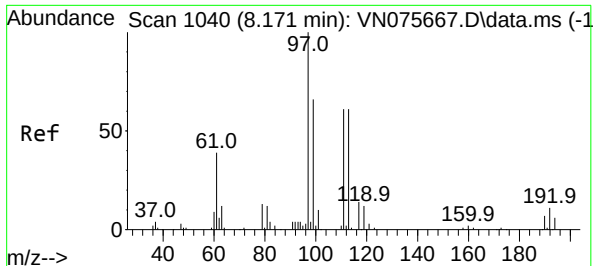
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 15.3 0.0 29.2

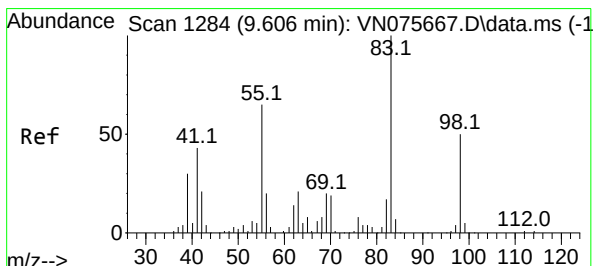
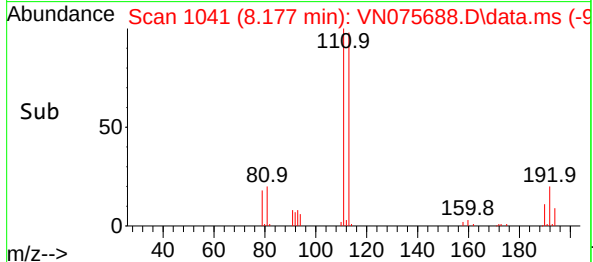
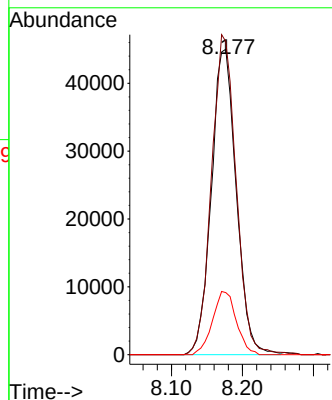
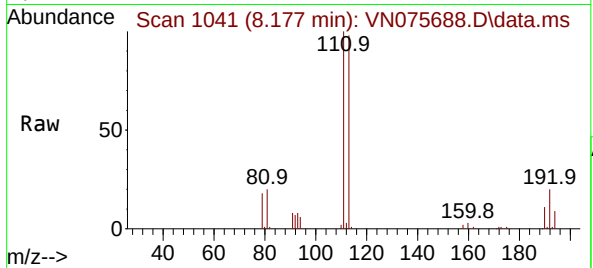




#35
Dibromofluoromethane
Concen: 50.628 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

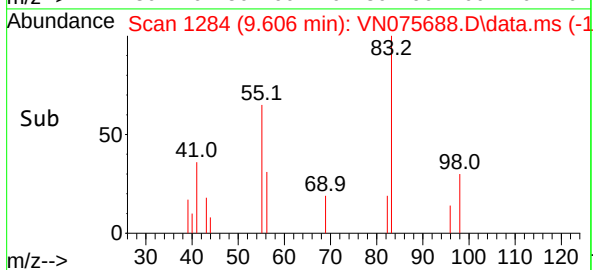
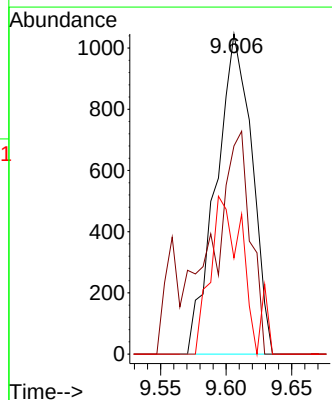
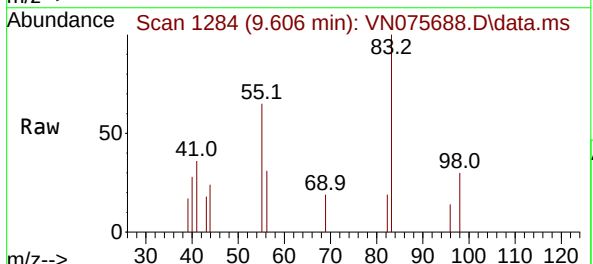
Instrument :
MSVOA_N
ClientSampleId :
MW-19

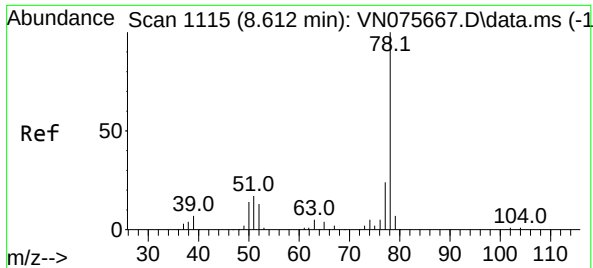
Tgt Ion:113 Resp: 109659
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.6
192 19.7 16.2 24.2



#39
Methylcyclohexane
Concen: 0.545 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 83 Resp: 1989
Ion Ratio Lower Upper
83 100
55 65.0 51.6 77.4
98 30.0 39.8 59.8#

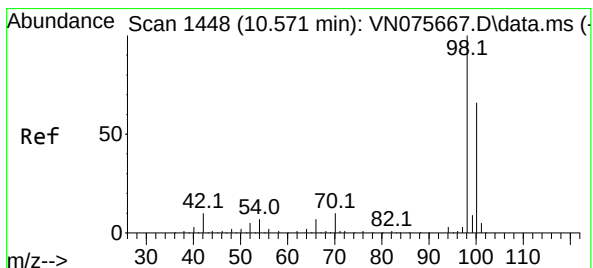
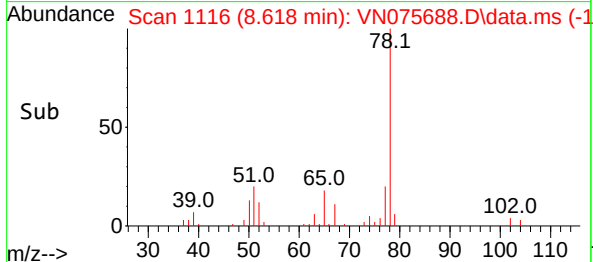
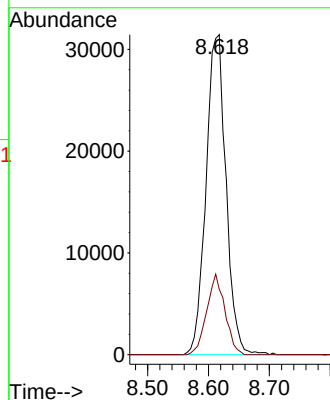
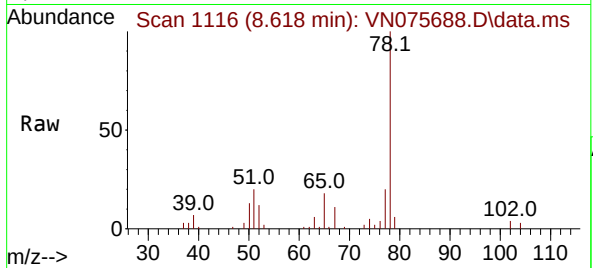




#40
Benzene
Concen: 8.139 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

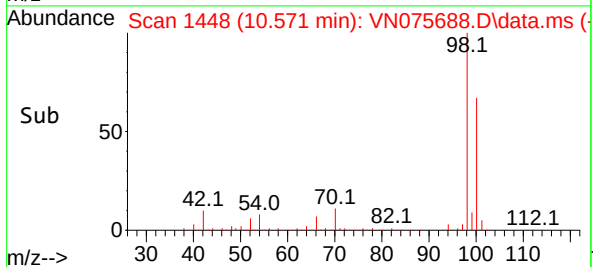
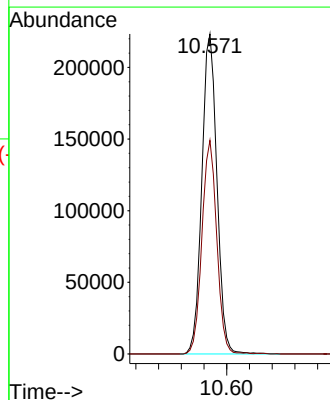
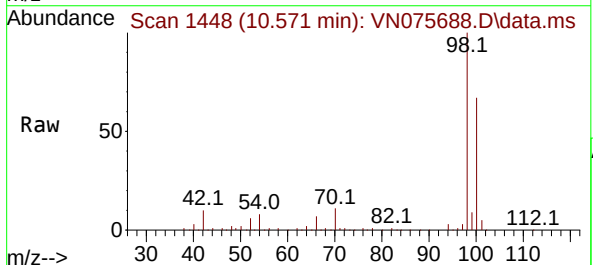
Instrument :
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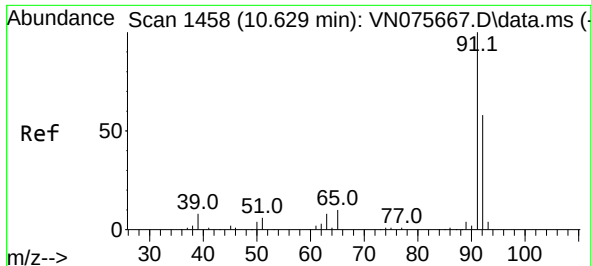
Tgt Ion: 78 Resp: 71842
Ion Ratio Lower Upper
78 100
77 20.5 19.1 28.7



#50
Toluene-d8
Concen: 50.585 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 98 Resp: 411468
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

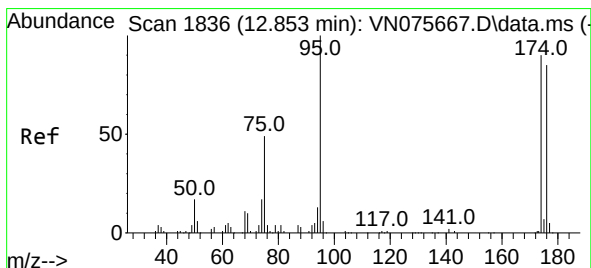
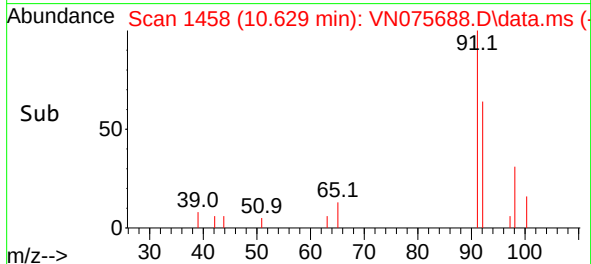
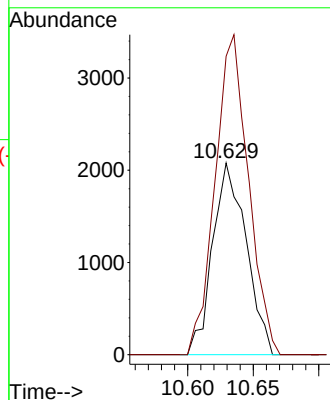
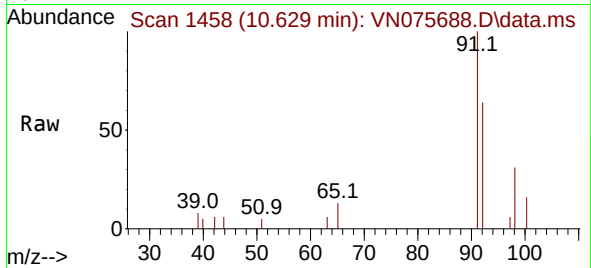




#52
Toluene
Concen: 0.633 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

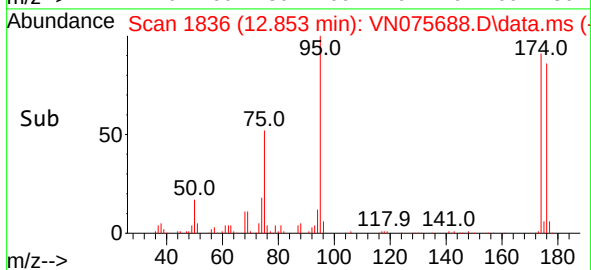
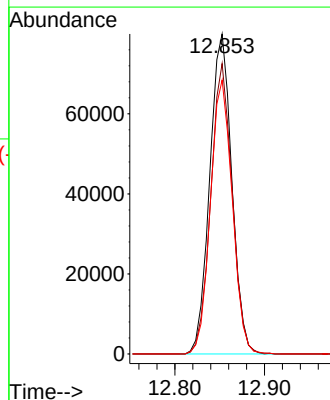
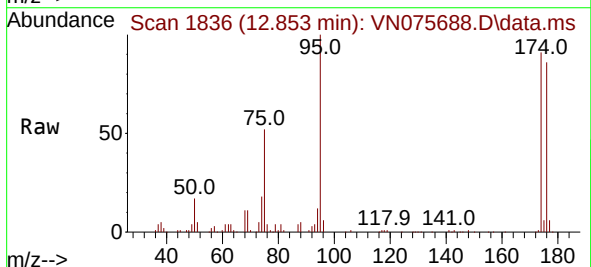
Instrument :
MSVOA_N
ClientSampleId :
MW-19

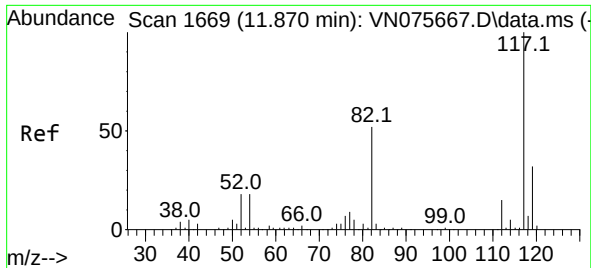
Tgt Ion: 92 Resp: 3693
Ion Ratio Lower Upper
92 100
91 166.3 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 49.083 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 95 Resp: 136507
Ion Ratio Lower Upper
95 100
174 88.1 0.0 178.6
176 84.7 0.0 170.8

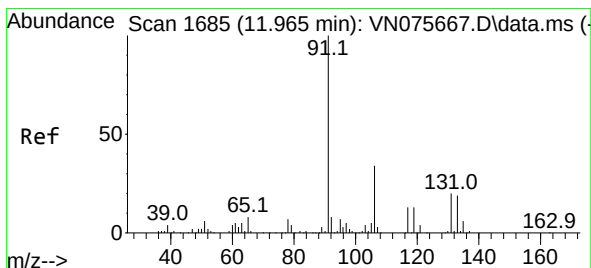
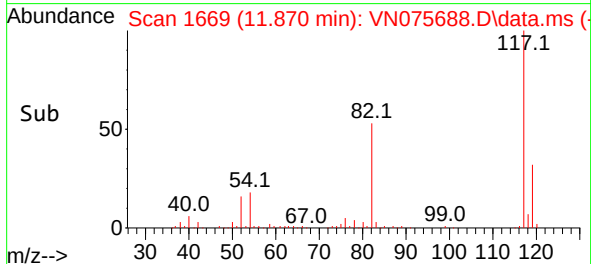
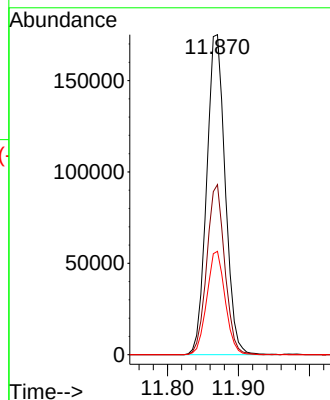
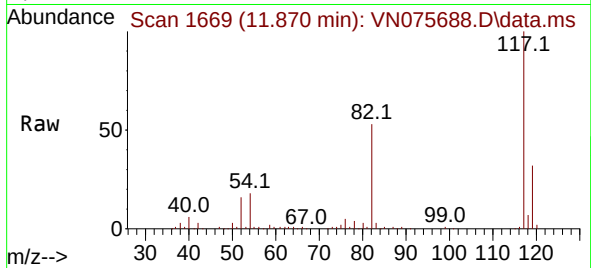




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

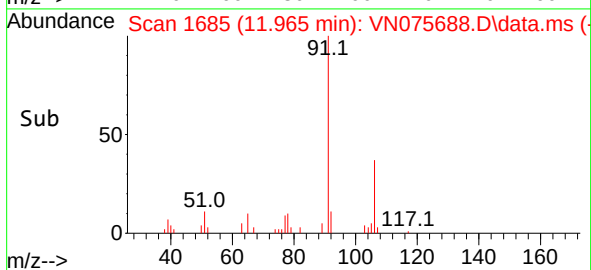
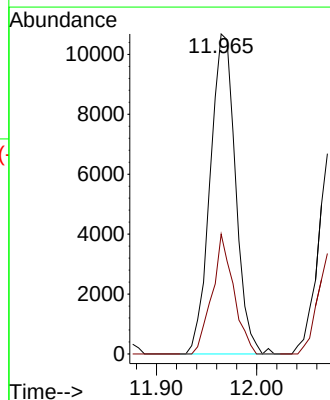
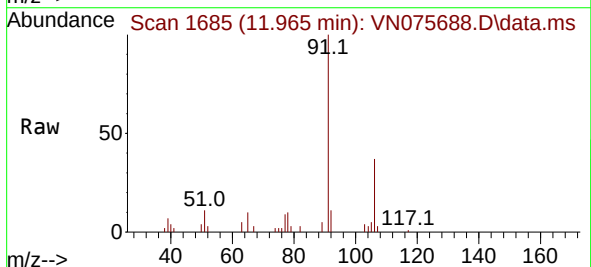
Instrument :
MSVOA_N
ClientSampleId :
MW-19

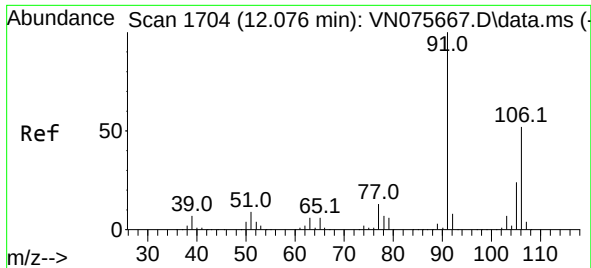
Tgt Ion:117 Resp: 317841
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 32.3 25.8 38.6



#67
Ethyl Benzene
Concen: 1.696 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 91 Resp: 18761
Ion Ratio Lower Upper
91 100
106 37.5 26.9 40.3

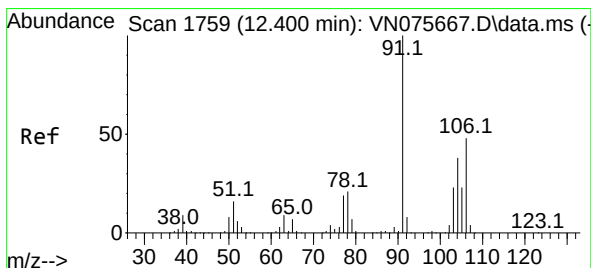
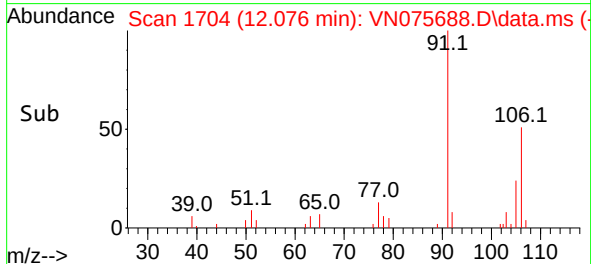
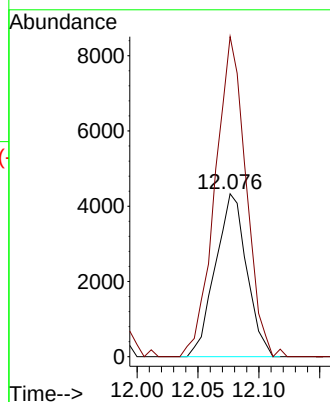
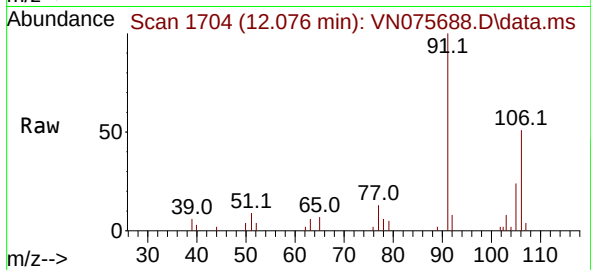




#68
m/p-Xylenes
Concen: 1.733 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

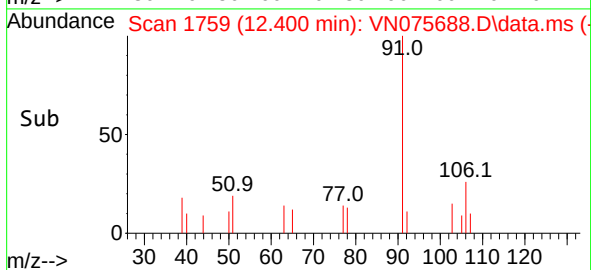
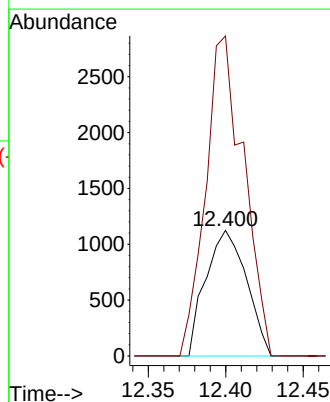
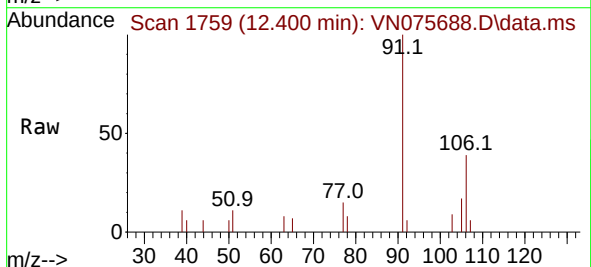
Instrument :
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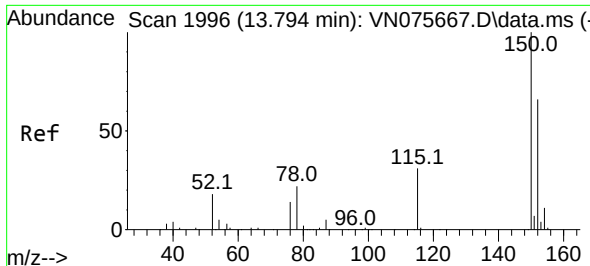
Tgt Ion:106 Resp: 7745
Ion Ratio Lower Upper
106 100
91 194.1 156.2 234.4



#69
o-Xylene
Concen: 0.473 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion:106 Resp: 2051
Ion Ratio Lower Upper
106 100
91 238.4 102.8 308.5

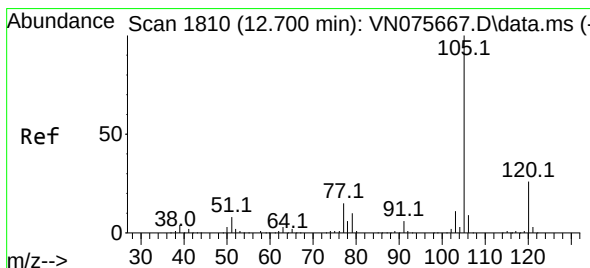
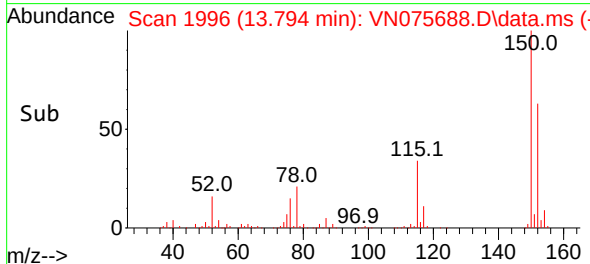
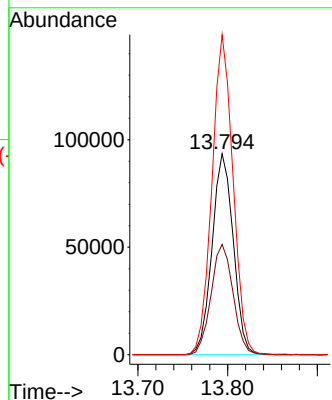
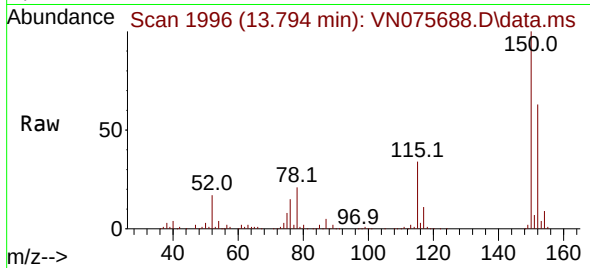




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

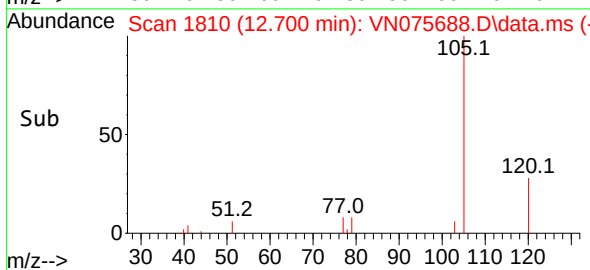
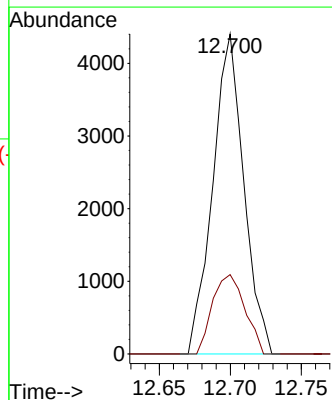
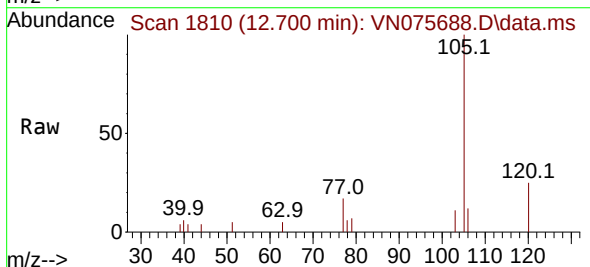
Instrument :
MSVOA_N
ClientSampleId :
MW-19

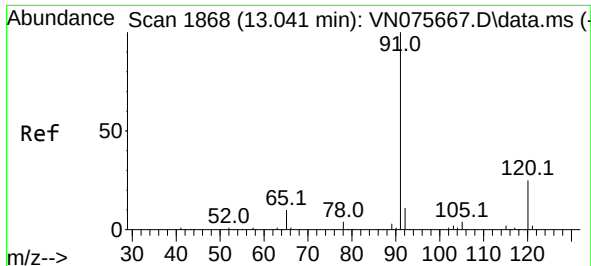
Tgt Ion:152 Resp: 153381
Ion Ratio Lower Upper
152 100
115 57.0 28.4 85.2
150 158.0 0.0 347.6



#73
Isopropylbenzene
Concen: 0.607 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion:105 Resp: 6686
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2

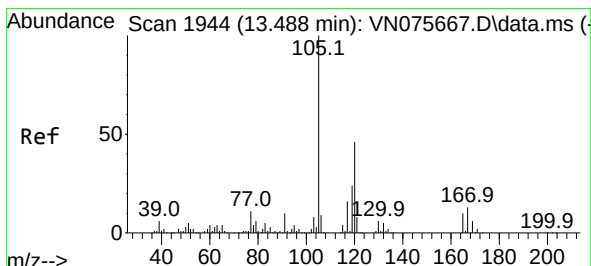
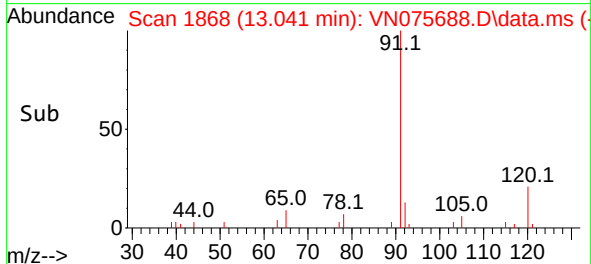
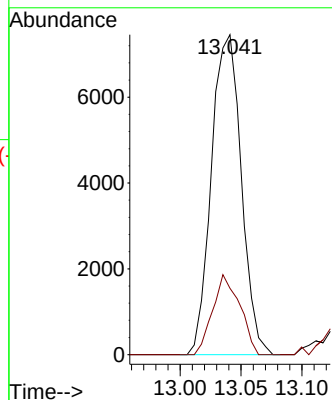
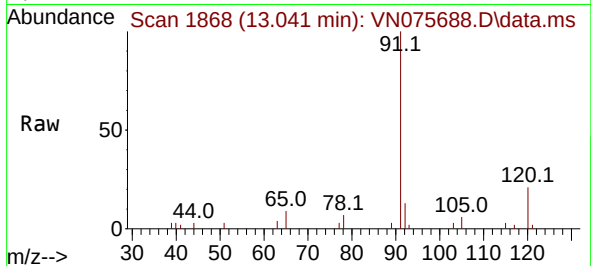




#78
n-propylbenzene
Concen: 1.042 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

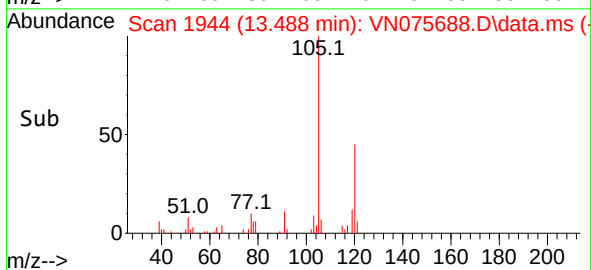
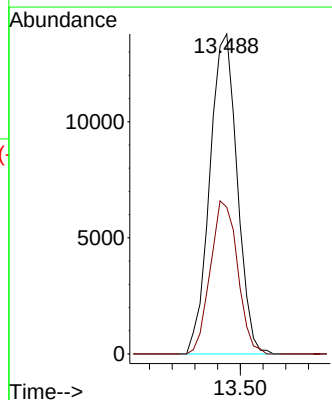
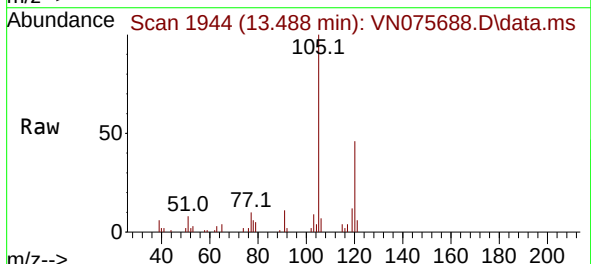
Instrument :
MSVOA_N
ClientSampleId :
MW-19

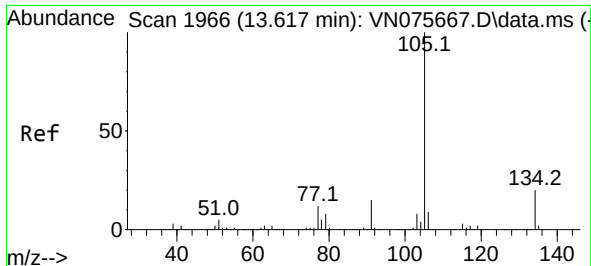
Tgt Ion: 91 Resp: 12735
Ion Ratio Lower Upper
91 100
120 22.7 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 2.491 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Tgt Ion: 105 Resp: 23054
Ion Ratio Lower Upper
105 100
120 47.6 23.1 69.2

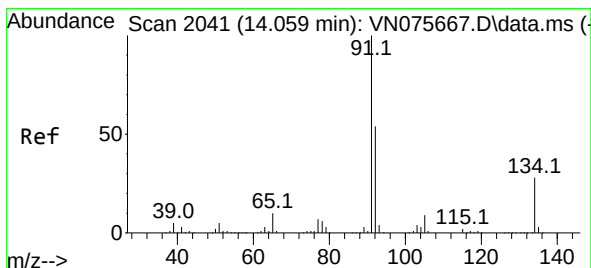
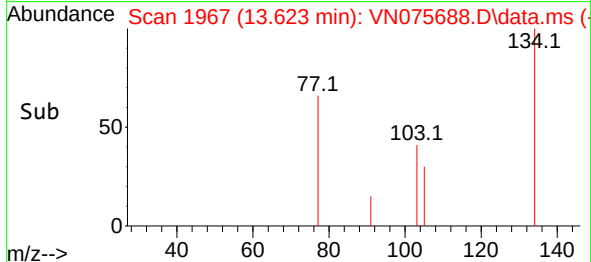
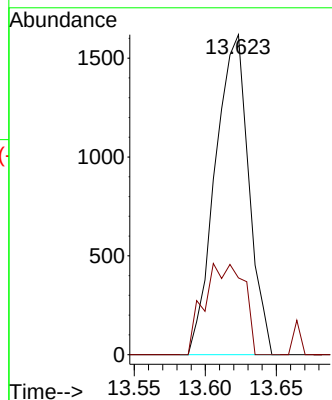
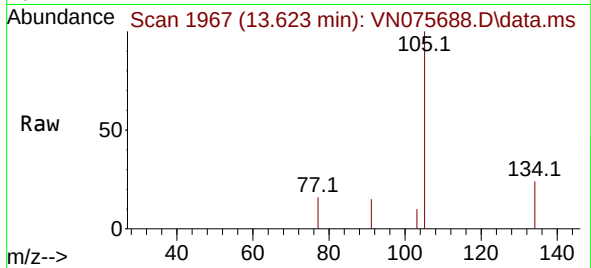




#85
 sec-Butylbenzene
 Concen: 0.232 ug/l
 RT: 13.623 min Scan# 1966
 Delta R.T. 0.006 min
 Lab File: VN075688.D
 Acq: 10 Dec 2022 04:22

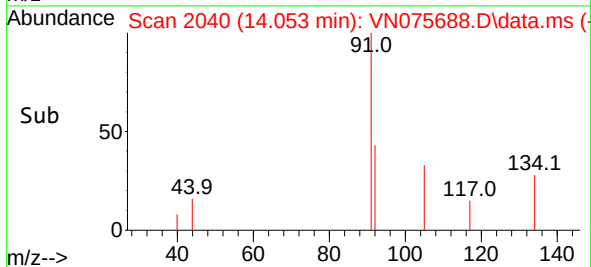
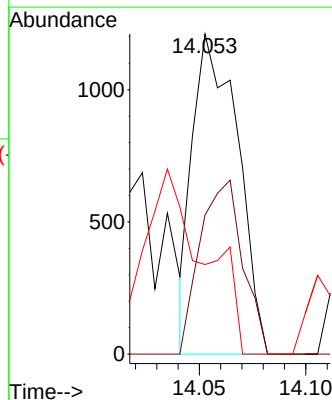
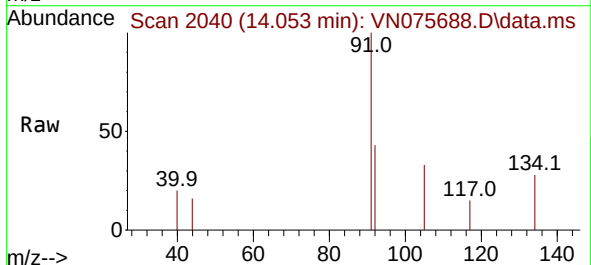
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19

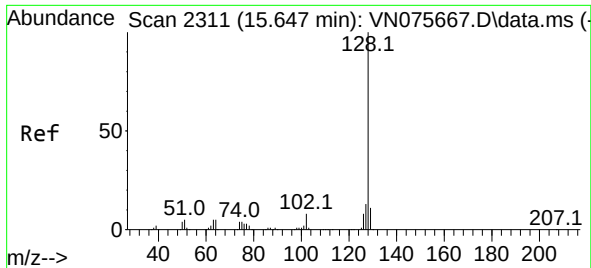
Tgt Ion:105 Resp: 2659
 Ion Ratio Lower Upper
 105 100
 134 33.8 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 0.230 ug/l
 RT: 14.053 min Scan# 2040
 Delta R.T. -0.006 min
 Lab File: VN075688.D
 Acq: 10 Dec 2022 04:22

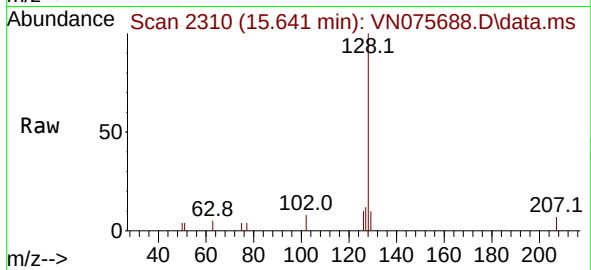
Tgt Ion: 91 Resp: 1771
 Ion Ratio Lower Upper
 91 100
 92 51.8 26.7 80.1
 134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 1.046 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075688.D
Acq: 10 Dec 2022 04:22

Instrument :
MSVOA_N
ClientSampleId :
MW-19



Tgt Ion:128 Resp: 7647
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 10.4 8.4 12.6

