

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075780.D
 Acq On : 14 Dec 2022 19:15
 Operator : JC\MD
 Sample : N5875-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38D

Quant Time: Dec 15 00:29:20 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)

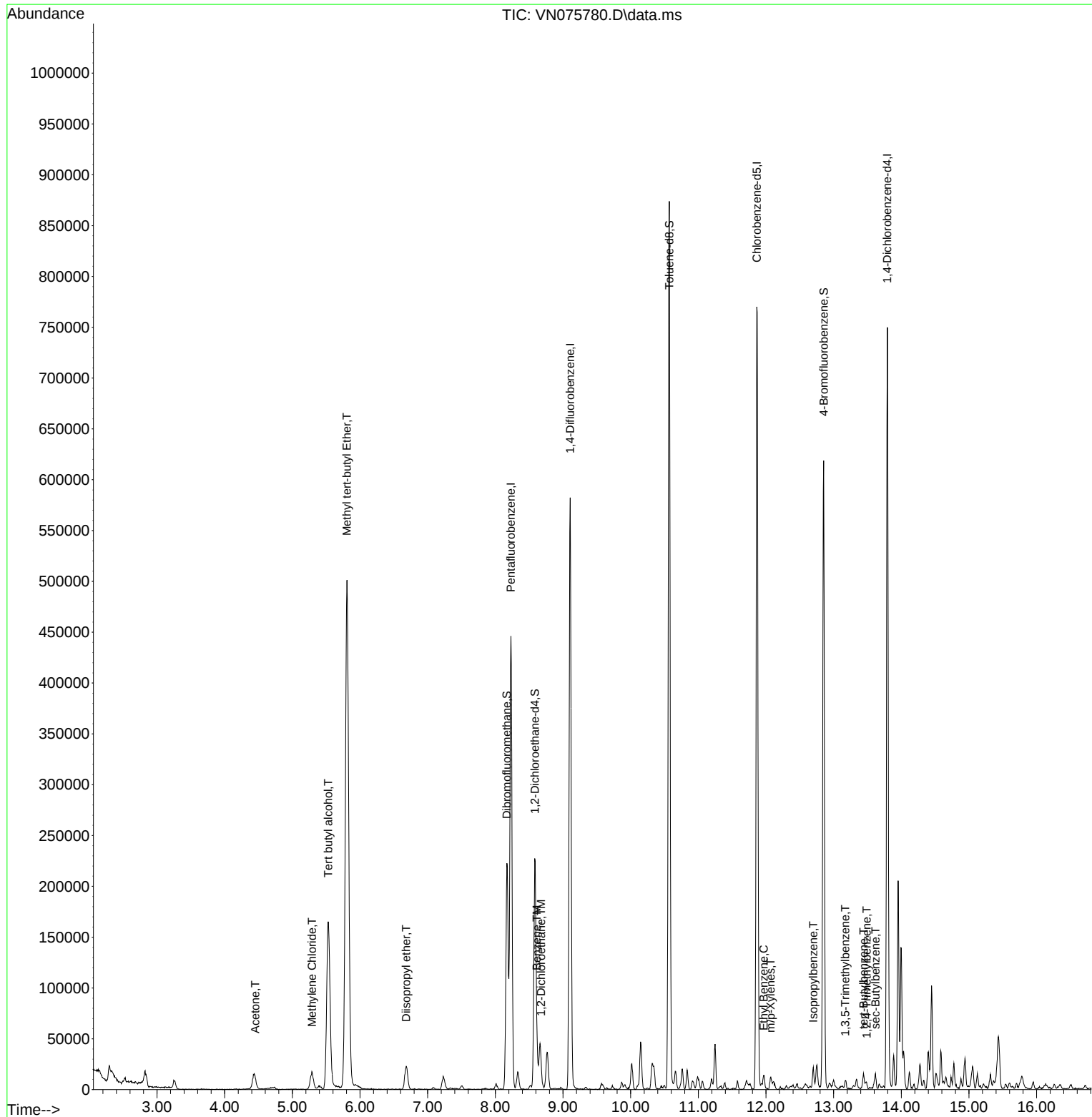
Internal Standards						
1) Pentafluorobenzene	8.230	168	348114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	480165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	178165	47.045	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.080%		
35) Dibromofluoromethane	8.171	113	161988	48.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	10.571	98	628822	50.296	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.600%		
62) 4-Bromofluorobenzene	12.853	95	206128	49.778	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.560%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	312104	582.416	ug/l	99
16) Acetone	4.454	43	9910	7.591	ug/l #	65
19) Methyl tert-butyl Ether	5.806	73	890502	87.647	ug/l	98
20) Methylene Chloride	5.289	84	3647	0.409	ug/l #	89
22) Diisopropyl ether	6.683	45	26152	2.985	ug/l	98
40) Benzene	8.612	78	33377	2.435	ug/l	97
42) 1,2-Dichloroethane	8.677	62	6758	1.483	ug/l	96
67) Ethyl Benzene	11.965	91	4774	0.287	ug/l #	81
68) m/p-Xylenes	12.071	106	4165	0.633	ug/l	98
73) Isopropylbenzene	12.700	105	12786	0.826	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	4325	0.334	ug/l	94
83) tert-Butylbenzene	13.441	119	6532	0.572	ug/l	91
84) 1,2,4-Trimethylbenzene	13.488	105	3702	0.288	ug/l	98
85) sec-Butylbenzene	13.618	105	9796	0.621	ug/l	84

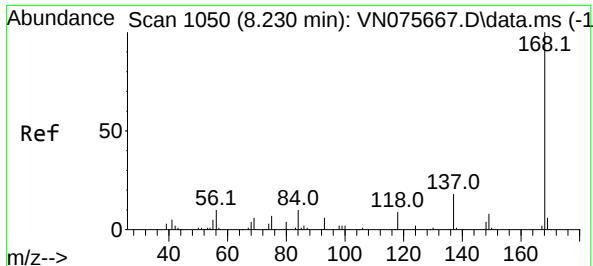
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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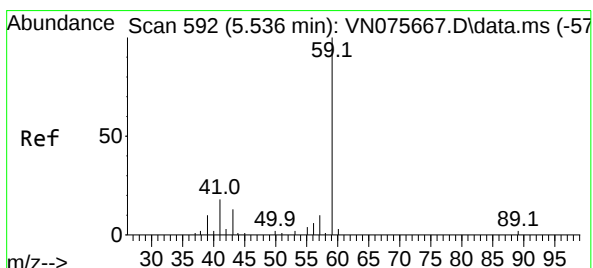
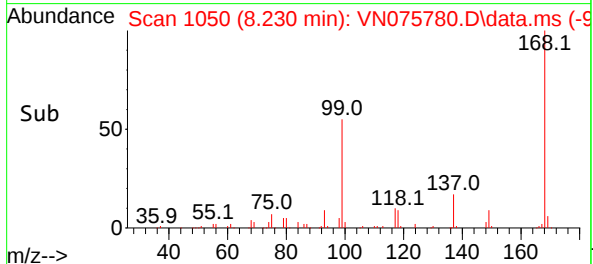
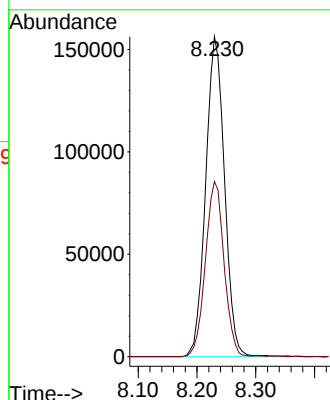
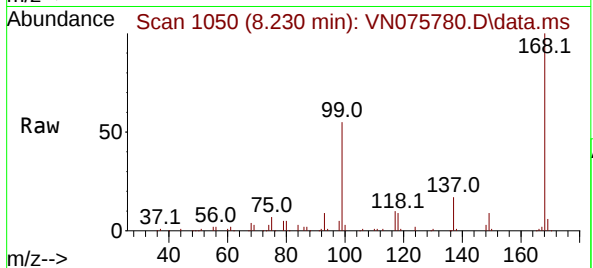




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

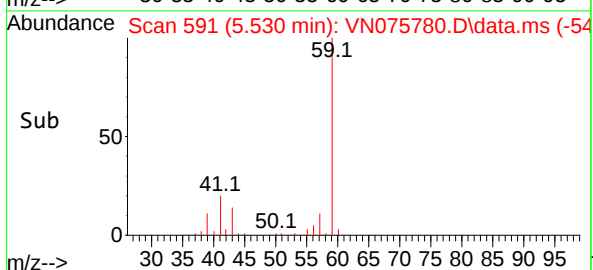
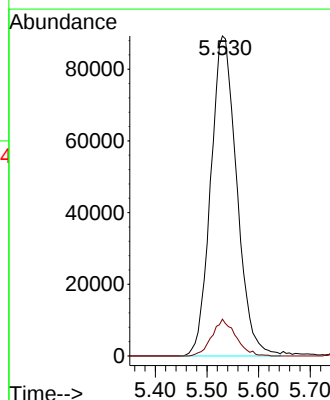
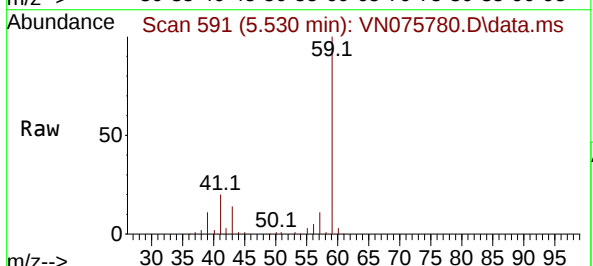
Instrument :
MSVOA_N
ClientSampleId :
MW-38D

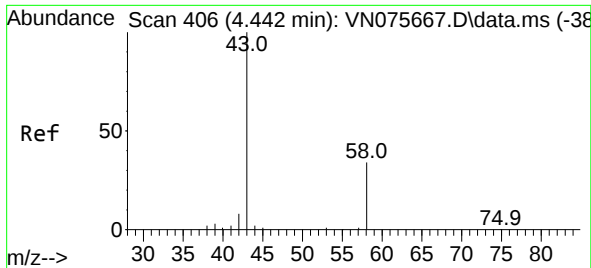
Tgt Ion:168 Resp: 348114
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 582.416 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion: 59 Resp: 312104
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4





#16

Acetone

Concen: 7.591 ug/l

RT: 4.454 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN075780.D

Acq: 14 Dec 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

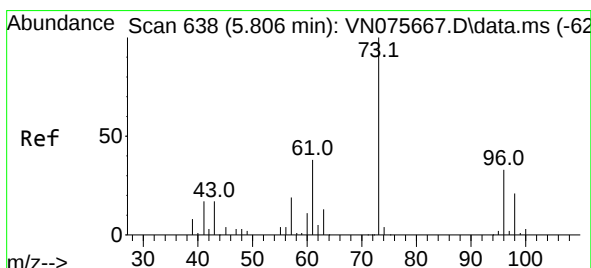
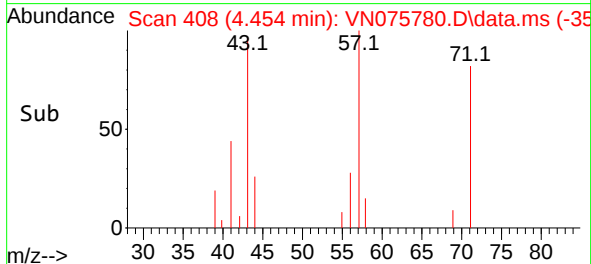
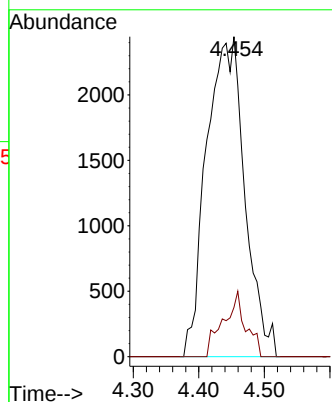
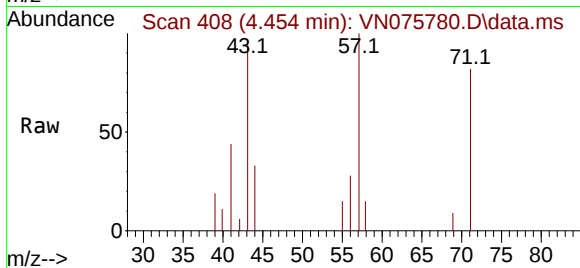
MW-38D

Tgt Ion: 43 Resp: 9910

Ion Ratio Lower Upper

43 100

58 15.4 28.6 43.0#



#19

Methyl tert-butyl Ether

Concen: 87.647 ug/l

RT: 5.806 min Scan# 638

Delta R.T. 0.000 min

Lab File: VN075780.D

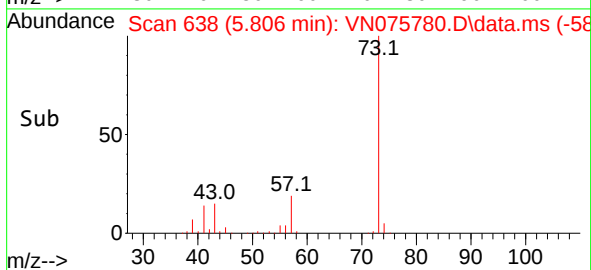
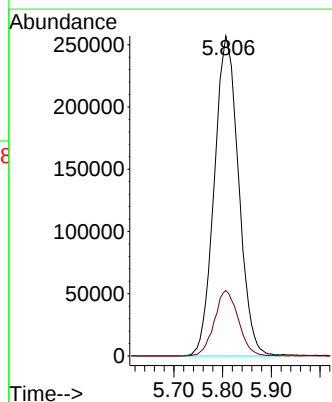
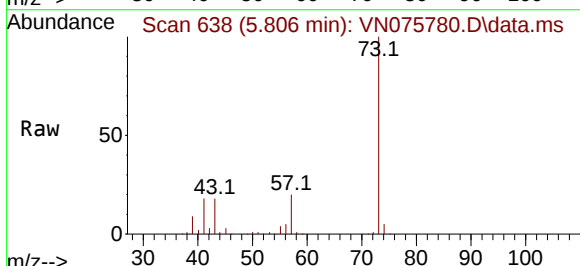
Acq: 14 Dec 2022 19:15

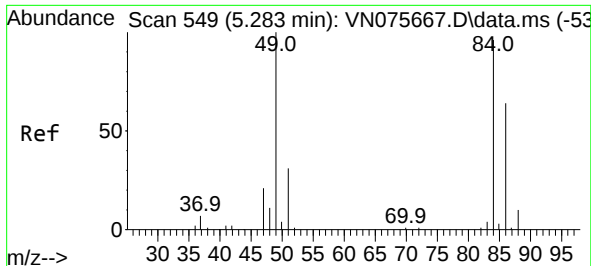
Tgt Ion: 73 Resp: 890502

Ion Ratio Lower Upper

73 100

57 20.4 17.1 25.7

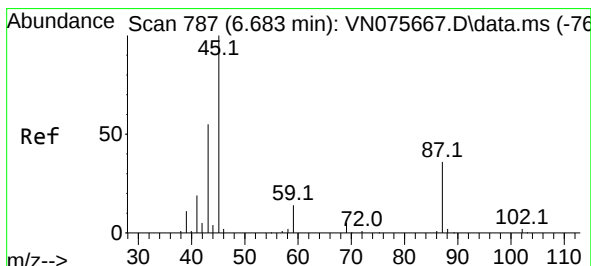
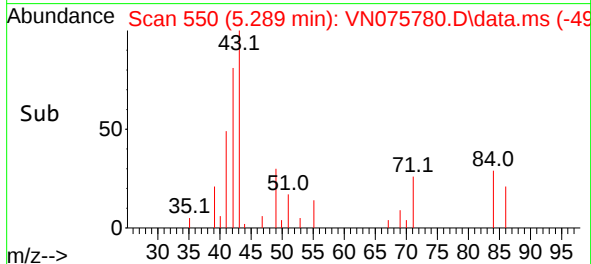
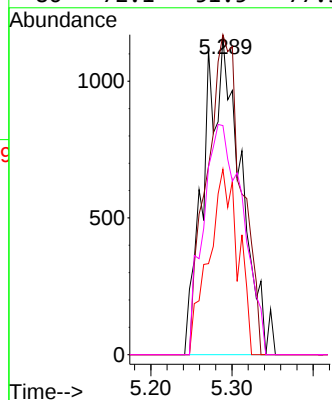
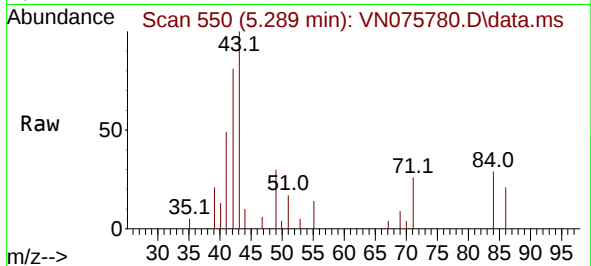




#20
Methylene Chloride
Concen: 0.409 ug/l
RT: 5.289 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

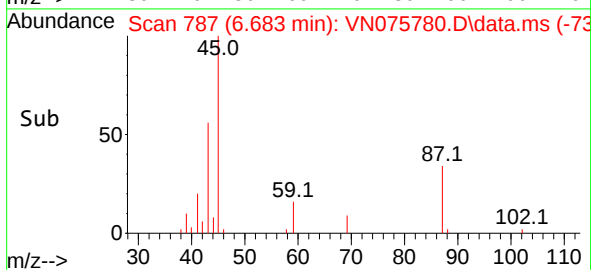
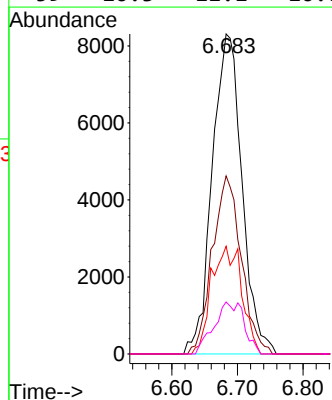
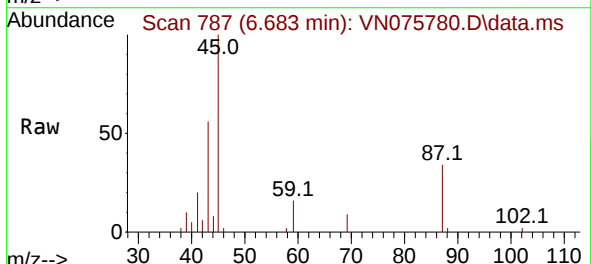
Instrument :
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MW-38D

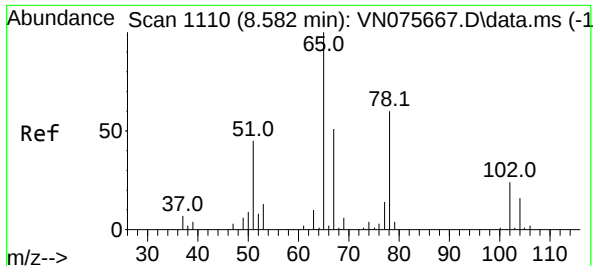
Tgt Ion: 84	Resp: 3647
Ion Ratio	Lower Upper
84 100	
49 100.7	81.8 122.6
51 58.3	26.7 40.1#
86 72.1	51.5 77.3



#22
Diisopropyl ether
Concen: 2.985 ug/l
RT: 6.683 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion: 45	Resp: 26152
Ion Ratio	Lower Upper
45 100	
43 55.7	44.2 66.4
87 33.7	28.3 42.5
59 16.3	11.1 16.7





#33

1,2-Dichloroethane-d4

Concen: 47.045 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075780.D

Acq: 14 Dec 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

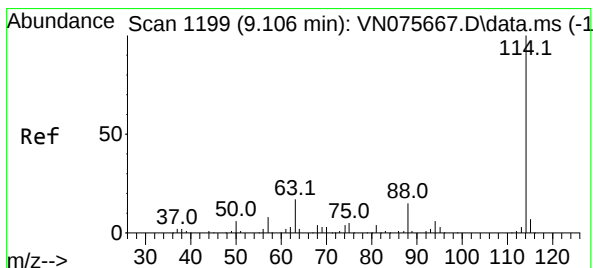
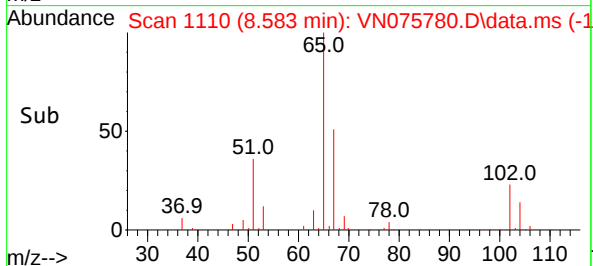
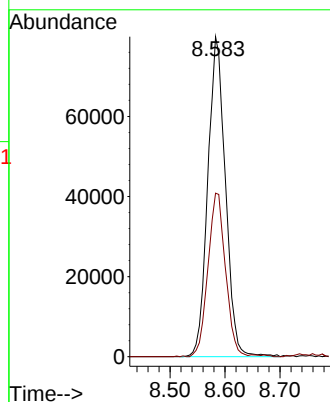
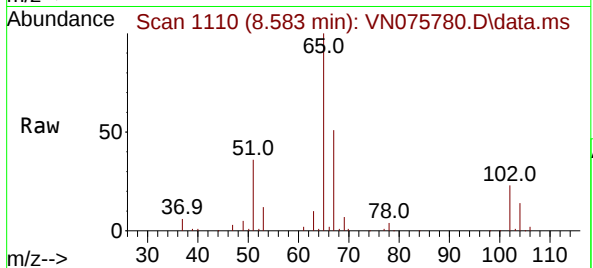
MW-38D

Tgt Ion: 65 Resp: 178165

Ion Ratio Lower Upper

65 100

67 50.8 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: VN075780.D

Acq: 14 Dec 2022 19:15

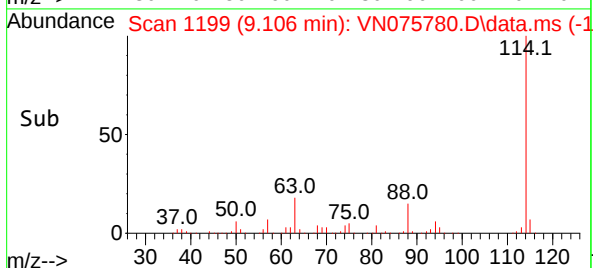
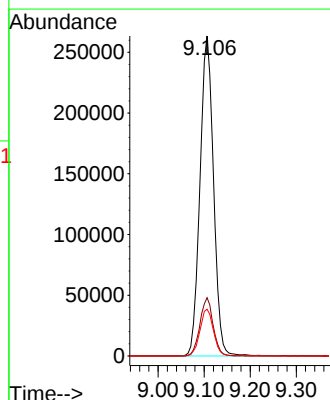
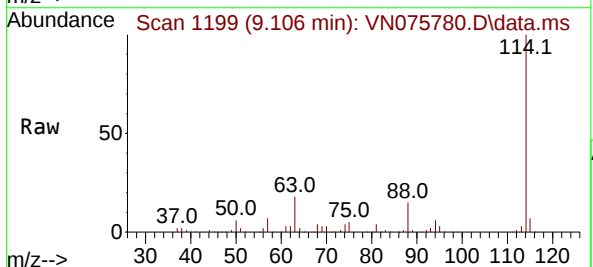
Tgt Ion: 114 Resp: 539957

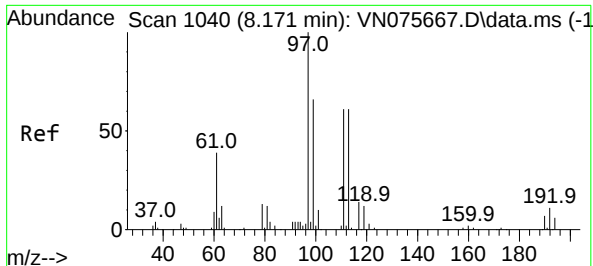
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.6 0.0 28.8

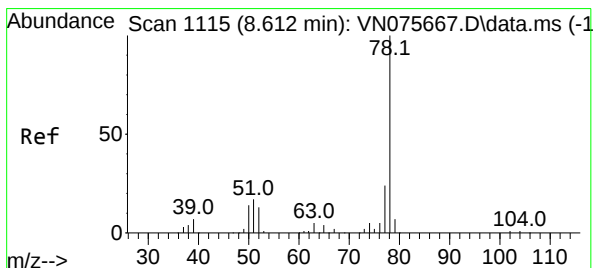
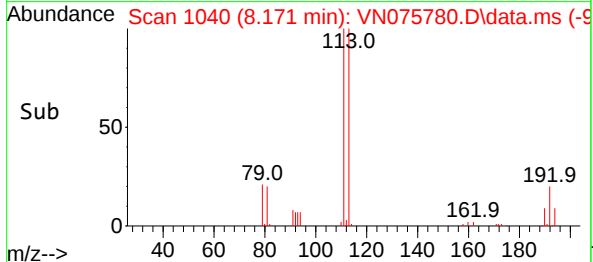
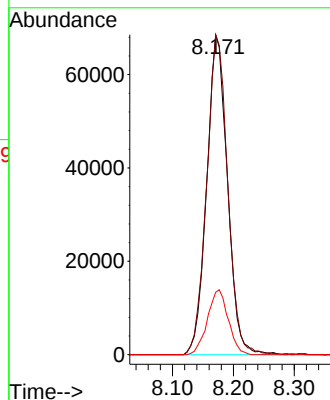
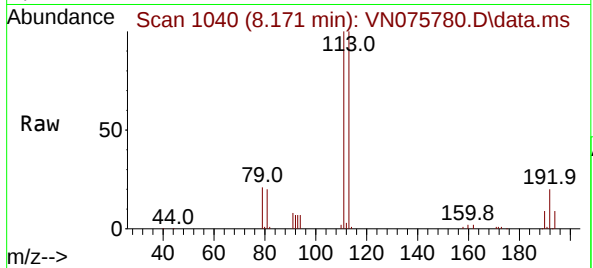




#35
Dibromofluoromethane
Concen: 48.443 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

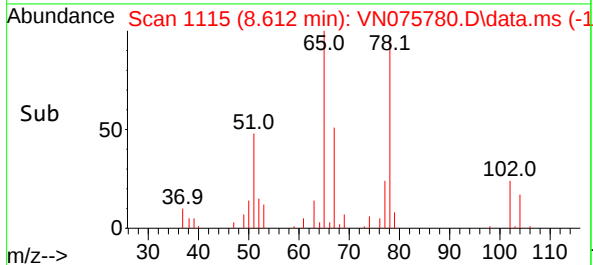
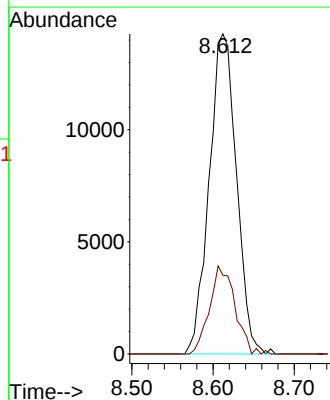
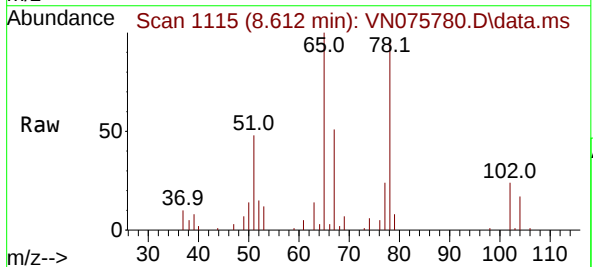
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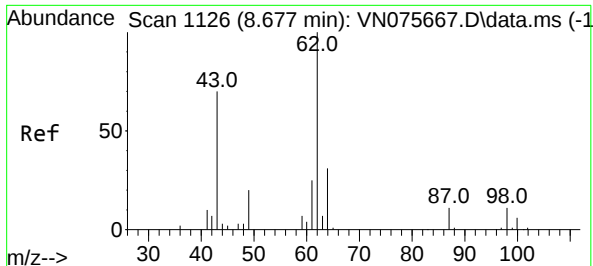
Tgt Ion:113 Resp: 161988
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.2
192 20.4 16.1 24.1



#40
Benzene
Concen: 2.435 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion: 78 Resp: 33377
Ion Ratio Lower Upper
78 100
77 24.6 18.5 27.7





#42

1,2-Dichloroethane

Concen: 1.483 ug/l

RT: 8.677 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN075780.D

Acq: 14 Dec 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

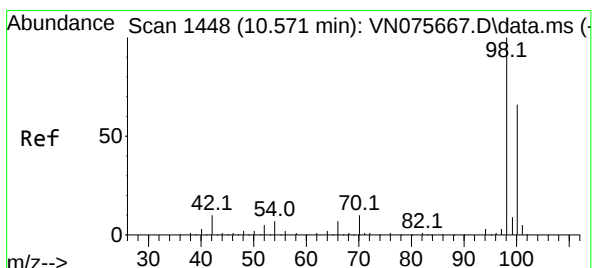
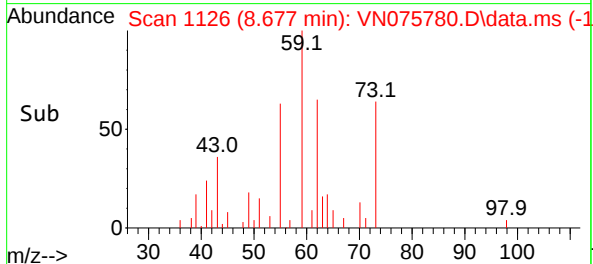
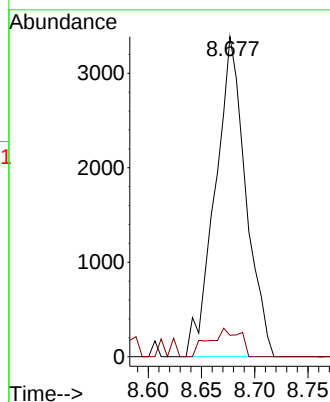
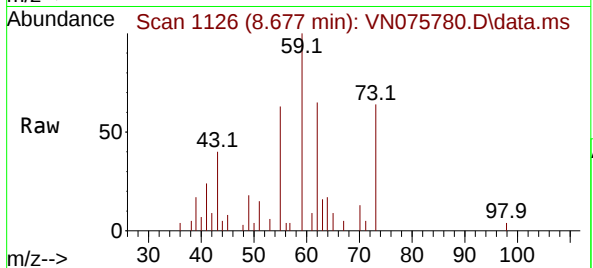
MW-38D

Tgt Ion: 62 Resp: 6758

Ion Ratio Lower Upper

62 100

98 8.8 0.0 20.8



#50

Toluene-d8

Concen: 50.296 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075780.D

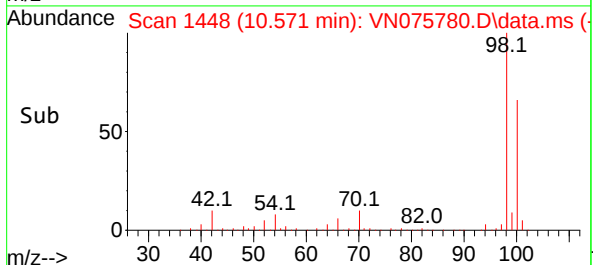
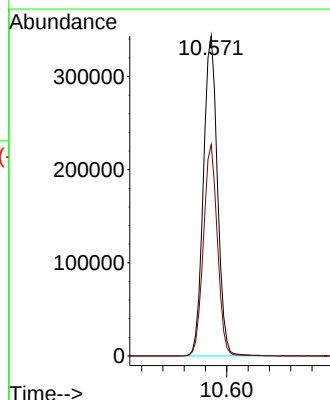
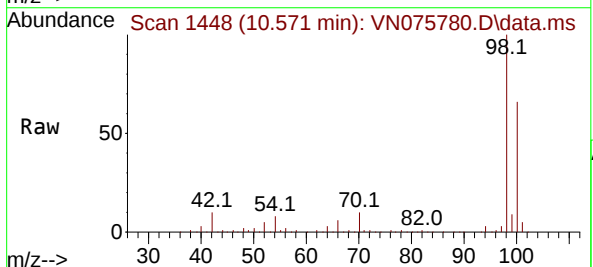
Acq: 14 Dec 2022 19:15

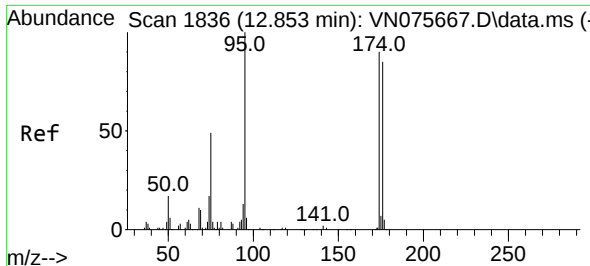
Tgt Ion: 98 Resp: 628822

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

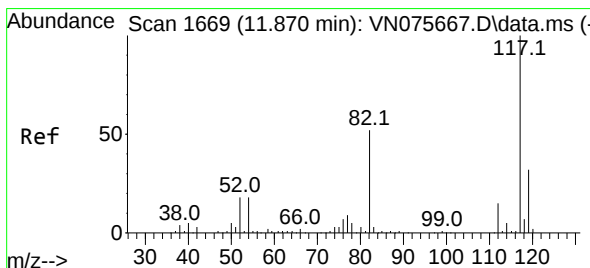
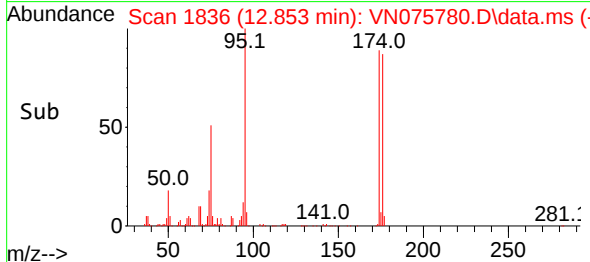
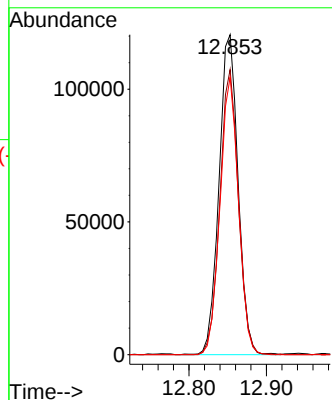
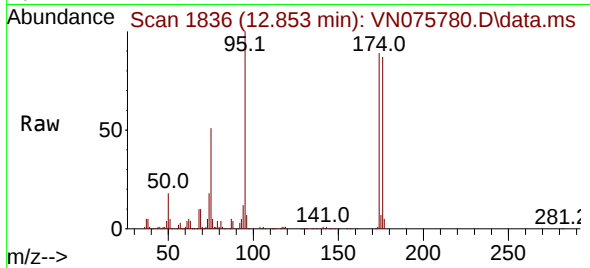




#62
4-Bromofluorobenzene
Concen: 49.778 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

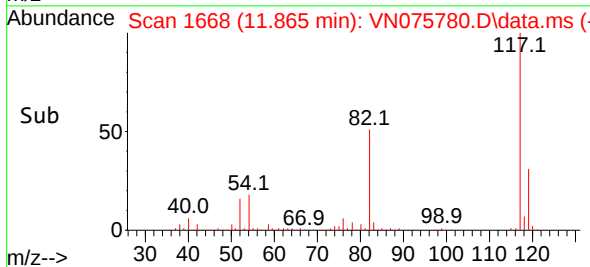
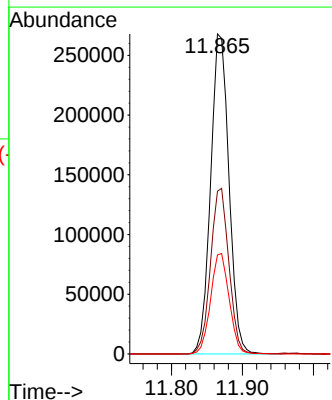
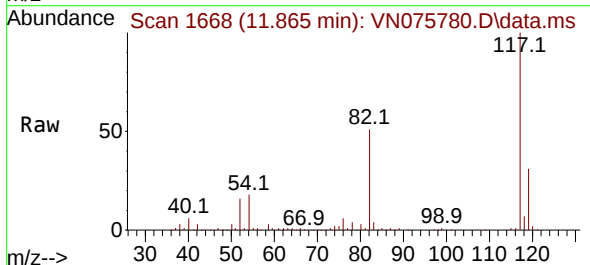
Instrument :
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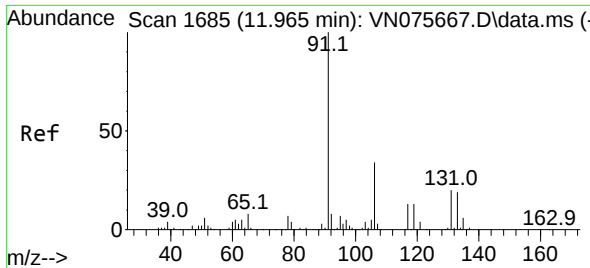
Tgt Ion: 95 Resp: 206128
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 84.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion: 117 Resp: 480165
Ion Ratio Lower Upper
117 100
82 50.9 41.3 61.9
119 30.9 24.6 37.0

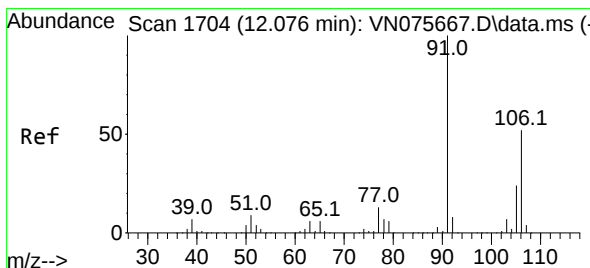
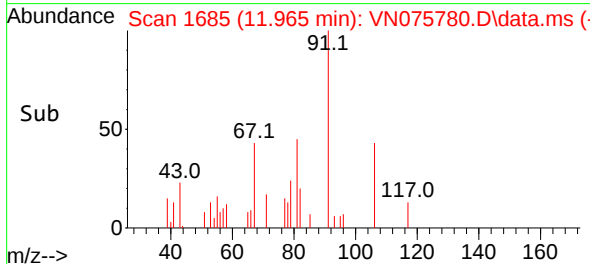
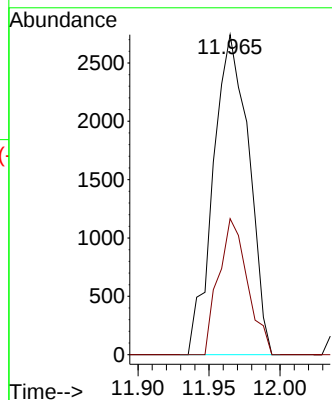
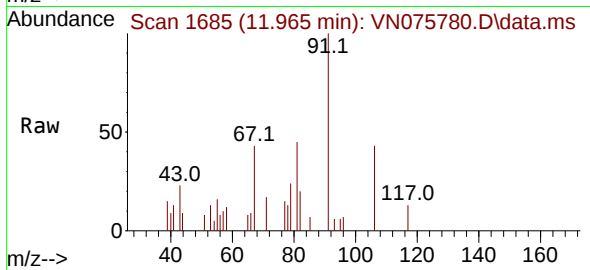




#67
Ethyl Benzene
Concen: 0.287 ug/l
RT: 11.965 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

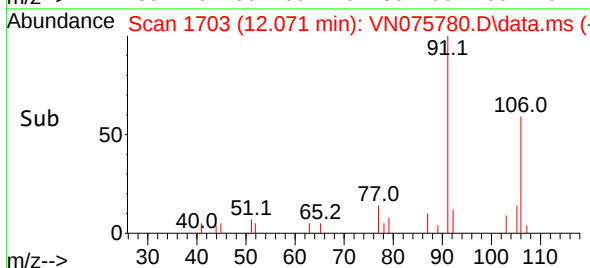
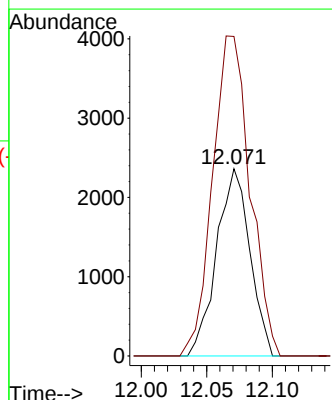
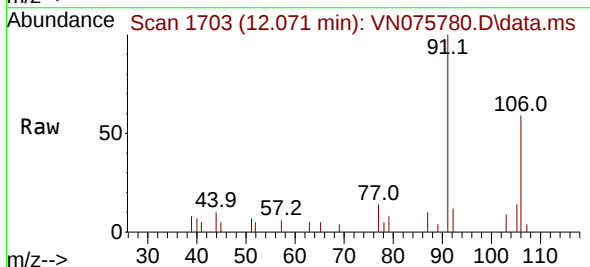
Instrument :
MSVOA_N
ClientSampleId :
MW-38D

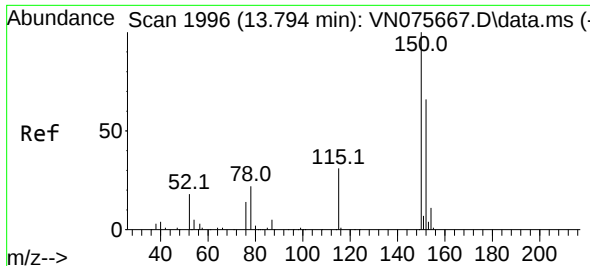
Tgt Ion: 91 Resp: 4774
Ion Ratio Lower Upper
91 100
106 42.5 25.7 38.5#



#68
m/p-Xylenes
Concen: 0.633 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion: 106 Resp: 4165
Ion Ratio Lower Upper
106 100
91 192.2 156.6 235.0

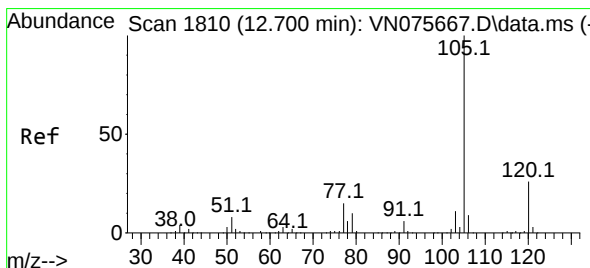
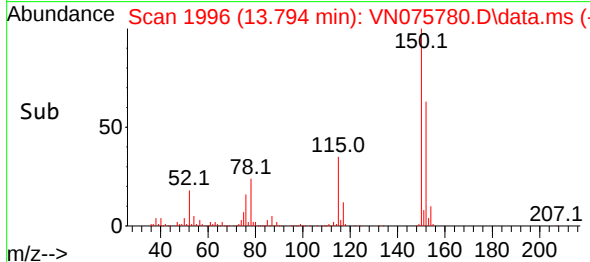
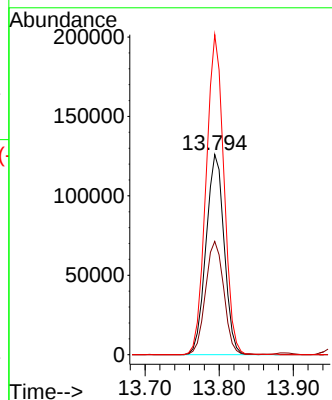
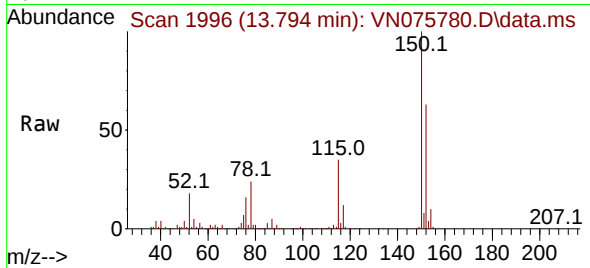




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

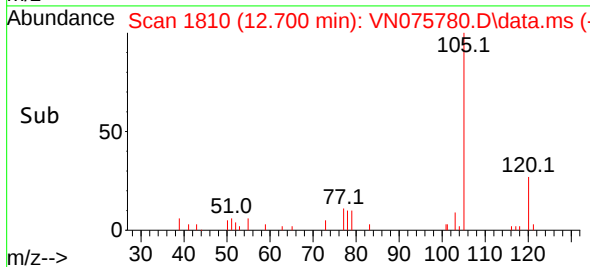
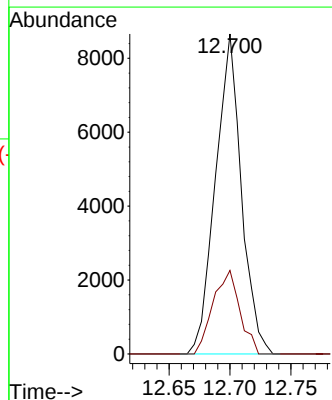
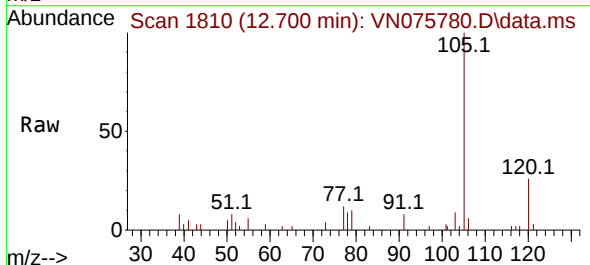
Instrument :
MSVOA_N
ClientSampleId :
MW-38D

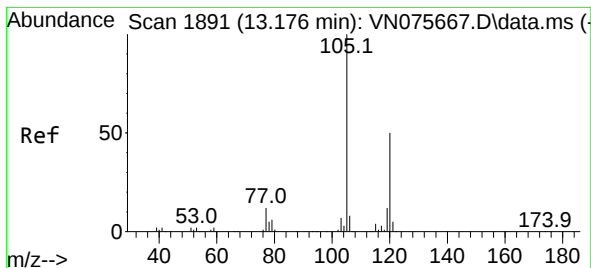
Tgt Ion:152 Resp: 214265
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 157.0 0.0 347.0



#73
Isopropylbenzene
Concen: 0.826 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion:105 Resp: 12786
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2





#80

1,3,5-Trimethylbenzene

Concen: 0.334 ug/l

RT: 13.171 min Scan# 1891

Delta R.T. -0.006 min

Lab File: VN075780.D

Acq: 14 Dec 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

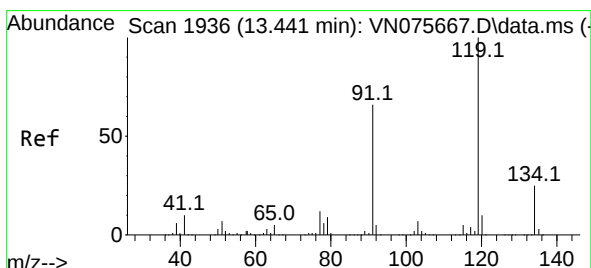
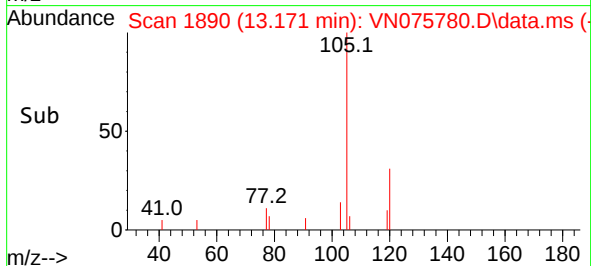
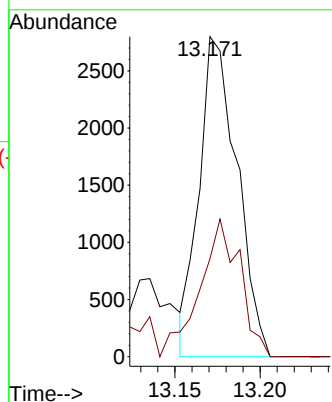
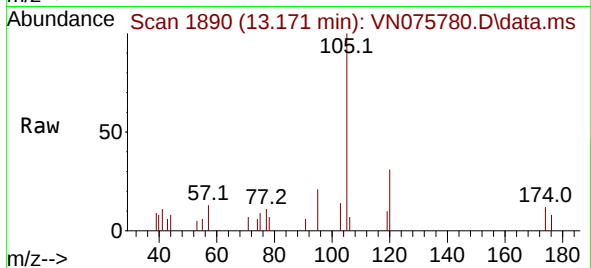
MW-38D

Tgt Ion:105 Resp: 4325

Ion Ratio Lower Upper

105 100

120 45.5 24.7 74.1



#83

tert-Butylbenzene

Concen: 0.572 ug/l

RT: 13.441 min Scan# 1936

Delta R.T. 0.000 min

Lab File: VN075780.D

Acq: 14 Dec 2022 19:15

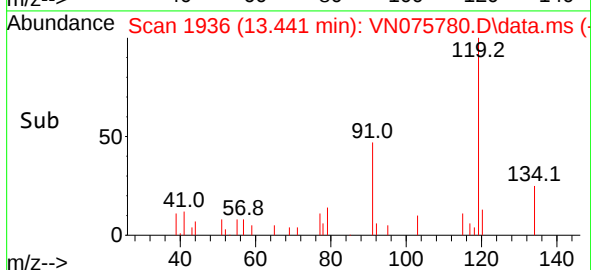
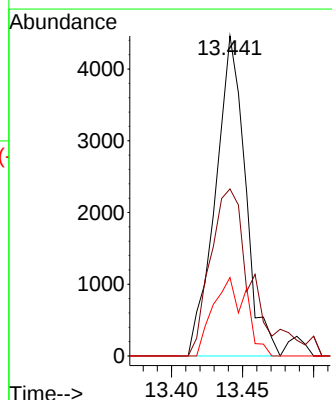
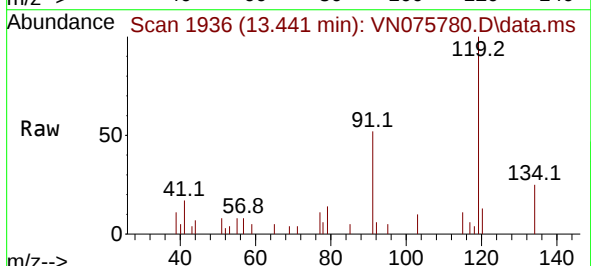
Tgt Ion:119 Resp: 6532

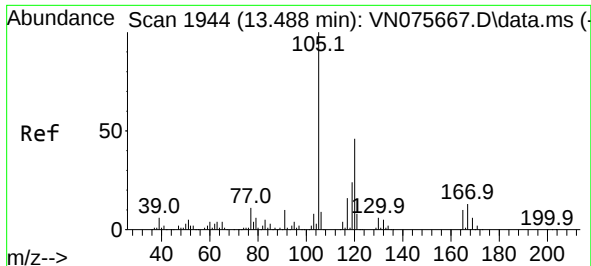
Ion Ratio Lower Upper

119 100

91 73.4 31.9 95.5

134 26.9 13.8 41.4

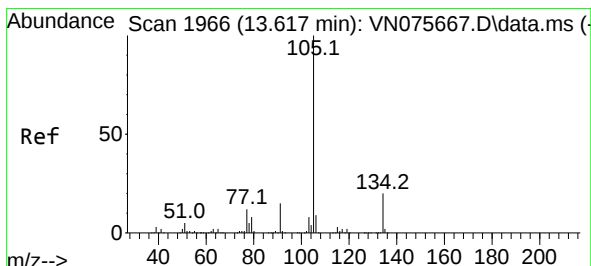
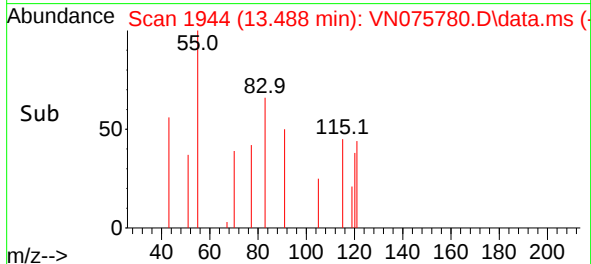
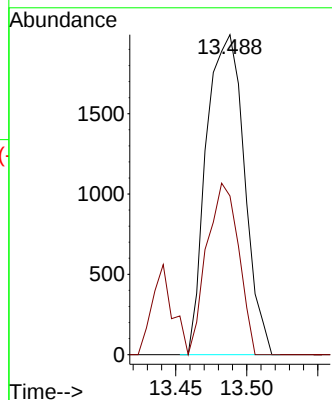
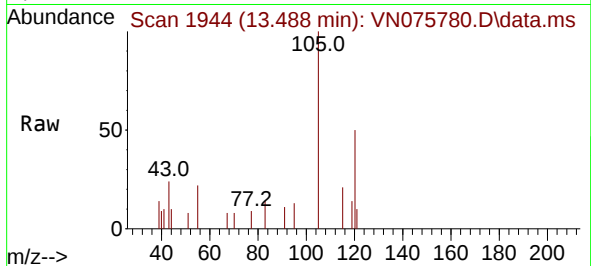




#84
1,2,4-Trimethylbenzene
Concen: 0.288 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Instrument :
MSVOA_N
ClientSampleId :
MW-38D

Tgt Ion:105 Resp: 3702
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.621 ug/l
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN075780.D
Acq: 14 Dec 2022 19:15

Tgt Ion:105 Resp: 9796
Ion Ratio Lower Upper
105 100
134 27.5 10.1 30.1

