

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071780.D
 Acq On : 02 Apr 2022 02:58
 Operator : JC\MD
 Sample : N2222-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19

Quant Time: Apr 02 05:33:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

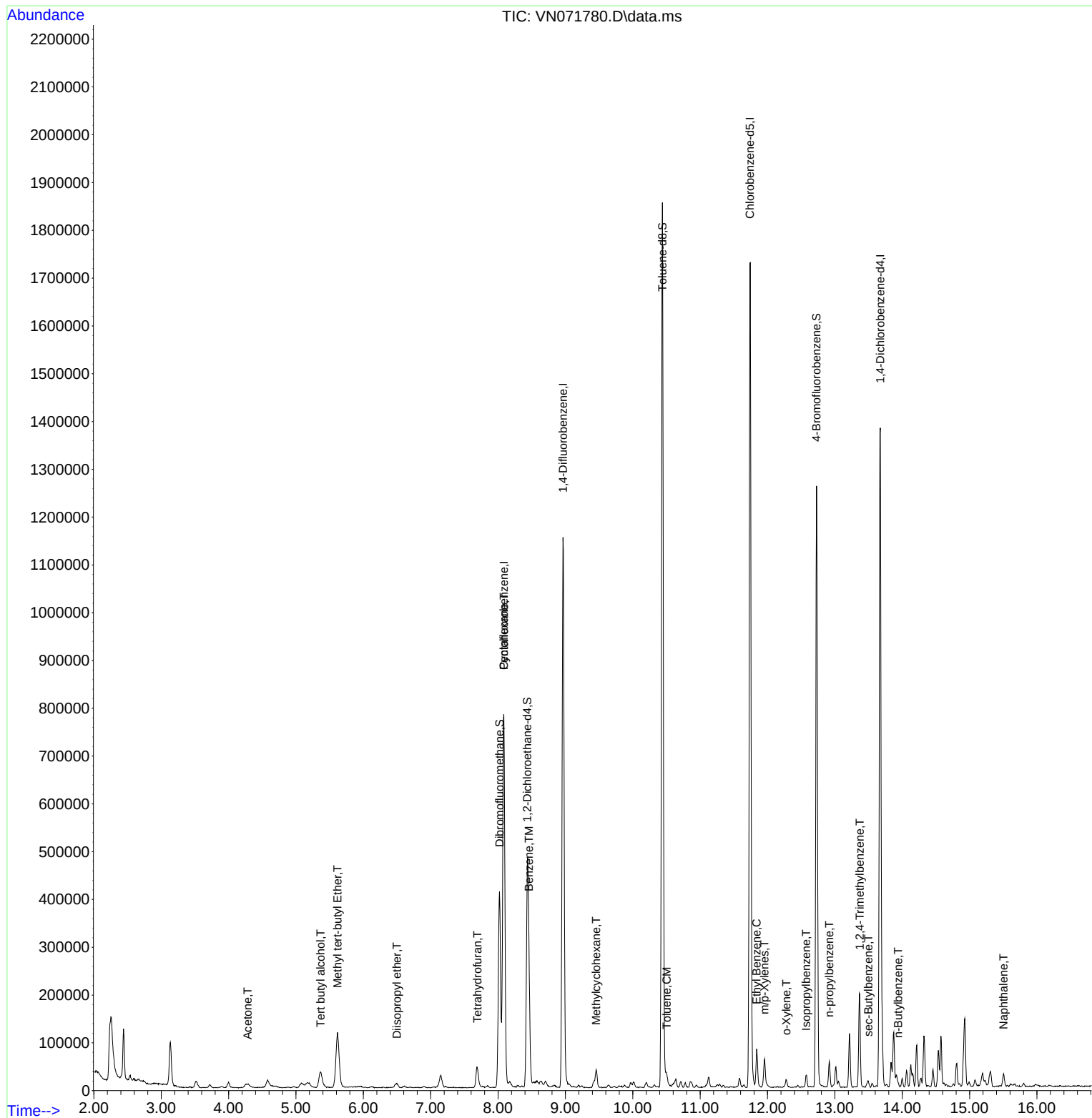
Internal Standards						
1) Pentafluorobenzene	8.086	168	639616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1078337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1094519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	419594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	361748	49.541	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.080%
35) Dibromofluoromethane	8.022	113	307876	48.520	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.040%
50) Toluene-d8	10.439	98	1352621	52.109	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.727	95	454843	54.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.363	59	64810	54.693	ug/l	99
16) Acetone	4.281	43	11898	3.813	ug/l #	75
19) Methyl tert-butyl Ether	5.616	73	179093	9.131	ug/l #	84
22) Diisopropyl ether	6.498	45	9539	0.511	ug/l #	86
29) Tetrahydrofuran	7.692	42	35894	12.322	ug/l	97
31) Cyclohexane	8.086	56	24461	2.463	ug/l #	50
39) Methylcyclohexane	9.457	83	16068	1.523	ug/l	98
40) Benzene	8.457	78	169018	6.038	ug/l	97
52) Toluene	10.504	92	8023	0.453	ug/l	99
67) Ethyl Benzene	11.839	91	54581	1.471	ug/l	98
68) m/p-Xylenes	11.957	106	18885	1.325	ug/l	96
69) o-Xylene	12.280	106	4718	0.333	ug/l	95
73) Isopropylbenzene	12.574	105	18797	0.532	ug/l	98
78) n-propylbenzene	12.916	91	43984	1.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.368	105	117654	4.304	ug/l	100
85) sec-Butylbenzene	13.498	105	8262	0.249	ug/l #	69
89) n-Butylbenzene	13.939	91	6298	0.321	ug/l #	74
95) Naphthalene	15.504	128	26583	5.088	ug/l	98

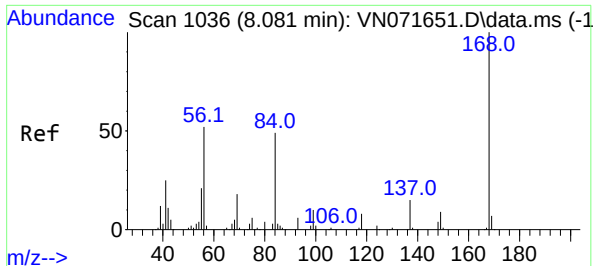
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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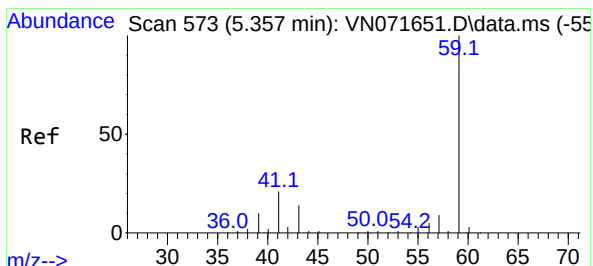
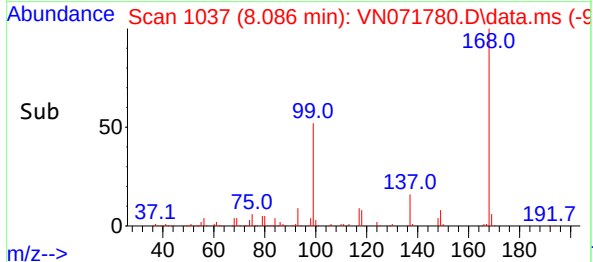
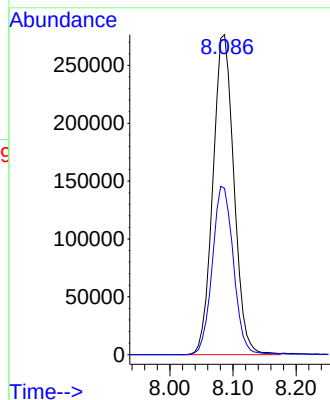
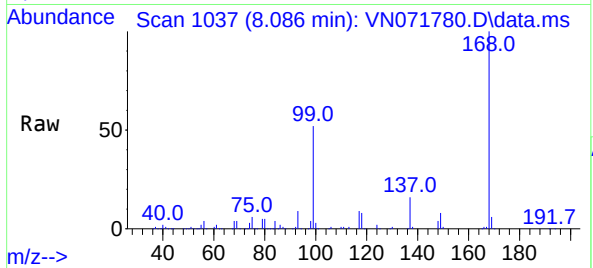




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

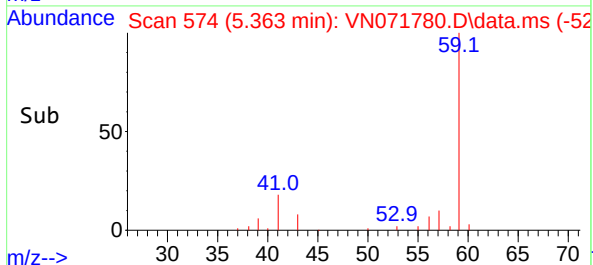
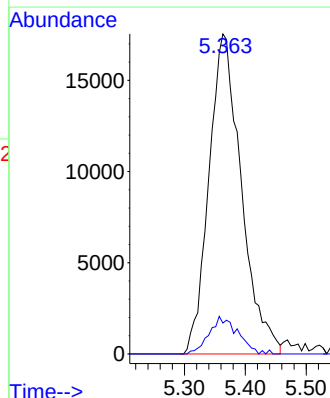
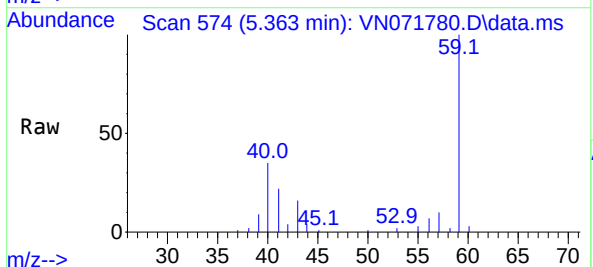
Instrument :
MSVOA_N
ClientSampleId :
MW-19

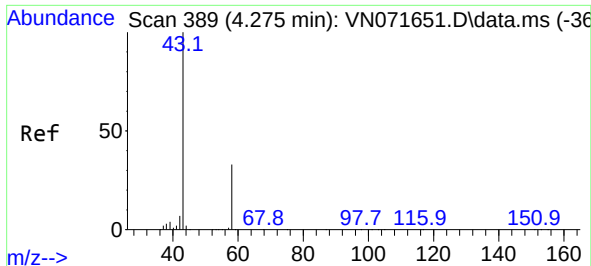
Tgt Ion:168 Resp: 639616
Ion Ratio Lower Upper
168 100
99 52.0 42.3 63.5



#11
Tert butyl alcohol
Concen: 54.693 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 59 Resp: 64810
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

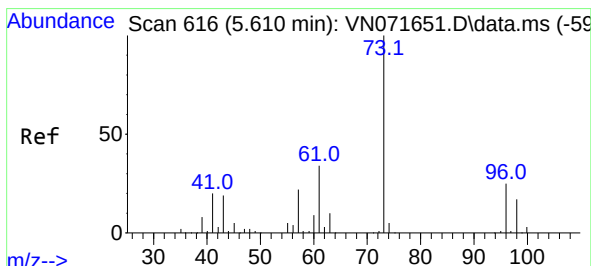
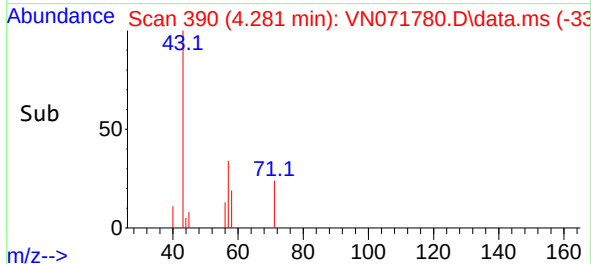
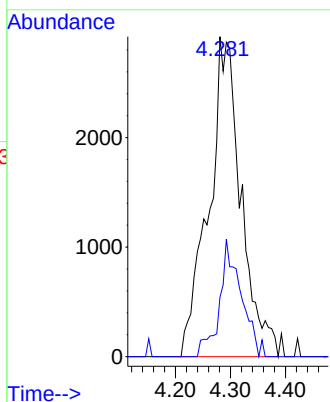
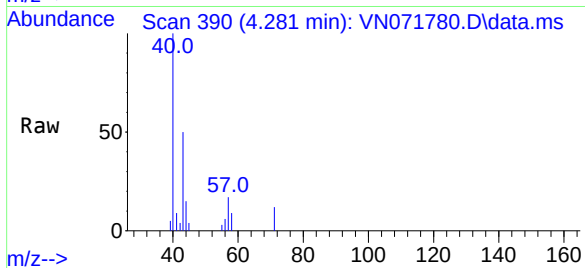




#16
Acetone
Concen: 3.813 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

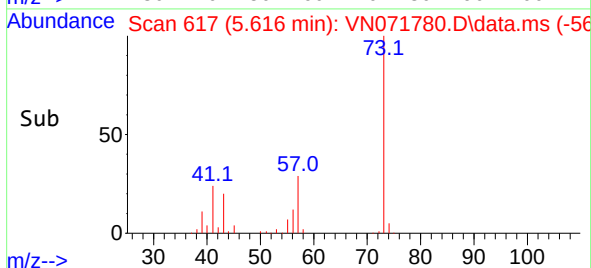
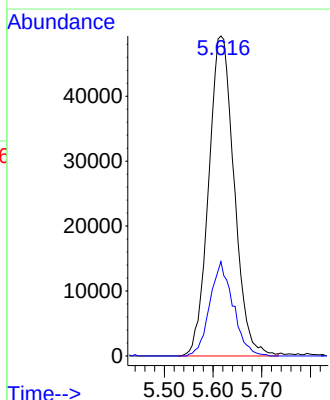
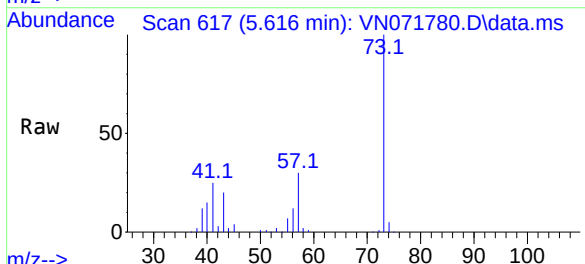
Instrument :
MSVOA_N
ClientSampleId :
MW-19

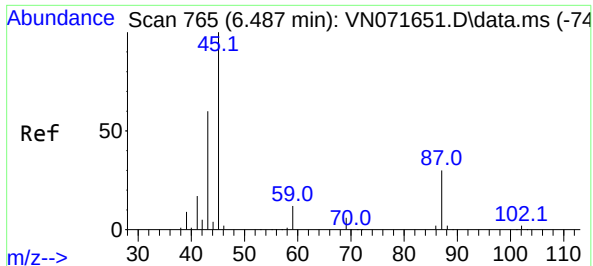
Tgt Ion: 43 Resp: 11898
Ion Ratio Lower Upper
43 100
58 18.6 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 9.131 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 73 Resp: 179093
Ion Ratio Lower Upper
73 100
57 29.5 17.6 26.4#

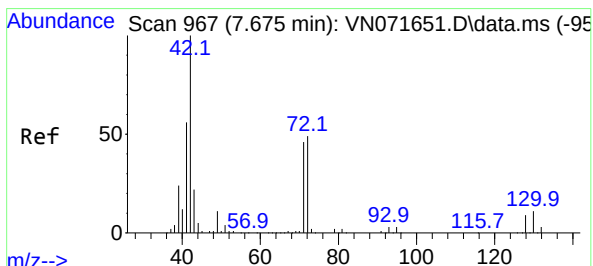
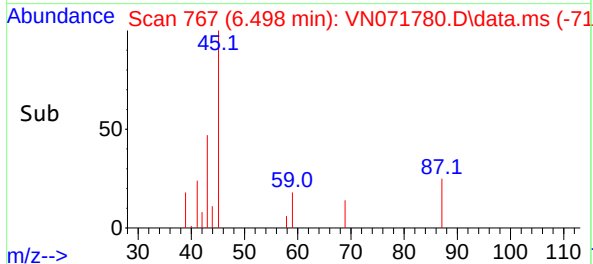
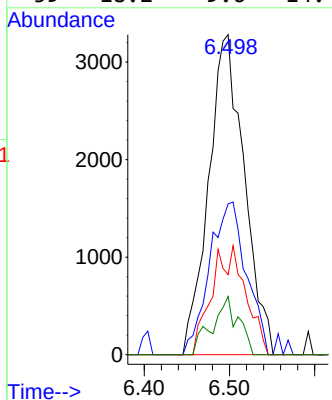
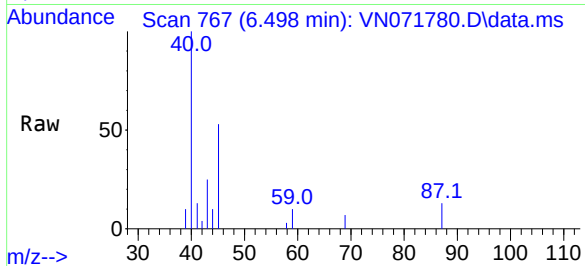




#22
Diisopropyl ether
Concen: 0.511 ug/l
RT: 6.498 min Scan# 70
Delta R.T. 0.011 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

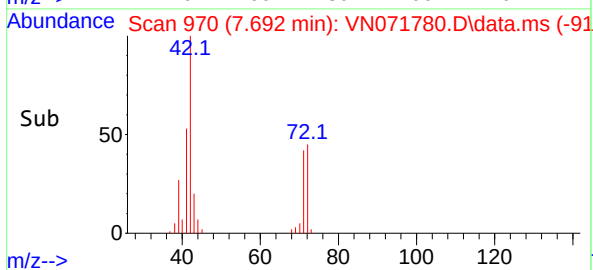
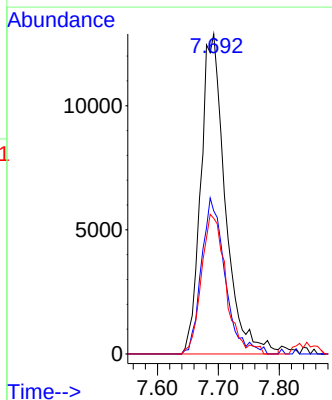
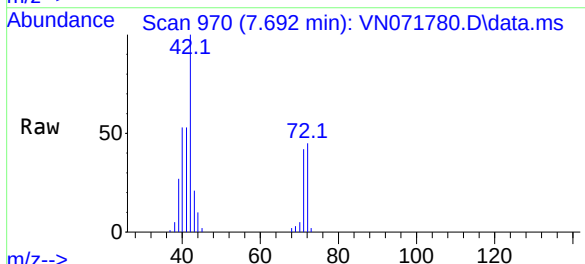
Instrument :
MSVOA_N
ClientSampleId :
MW-19

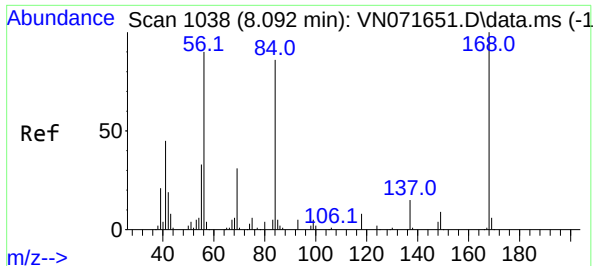
Tgt Ion: 45	Resp: 9539
Ion Ratio	Lower Upper
45 100	
43 47.1	46.6 70.0
87 25.0	24.3 36.5
59 18.2	9.6 14.4#



#29
Tetrahydrofuran
Concen: 12.322 ug/l
RT: 7.692 min Scan# 970
Delta R.T. 0.017 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 42	Resp: 35894
Ion Ratio	Lower Upper
42 100	
72 47.2	39.7 59.5
71 44.0	36.6 55.0

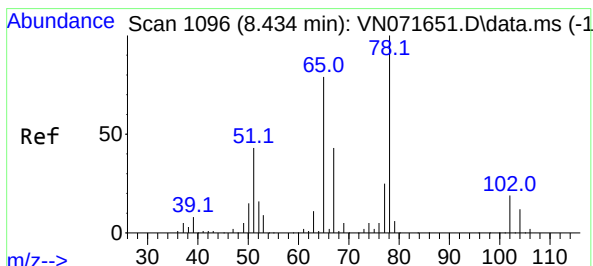
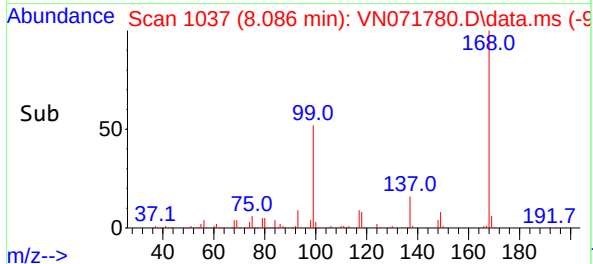
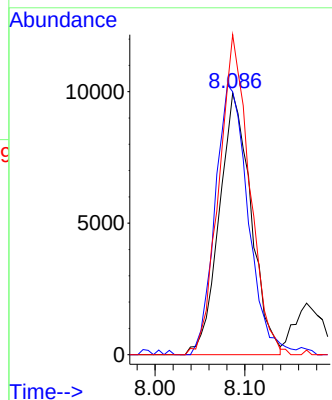
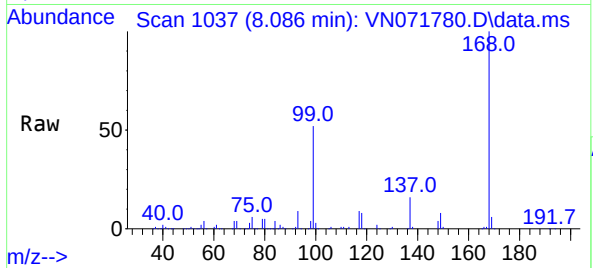




#31
Cyclohexane
Concen: 2.463 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

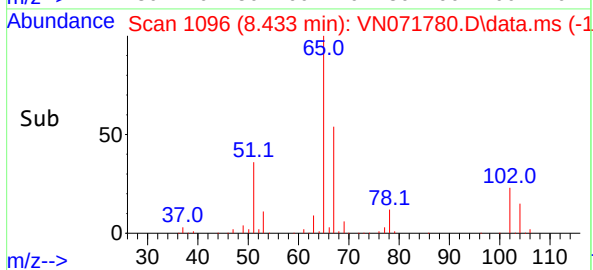
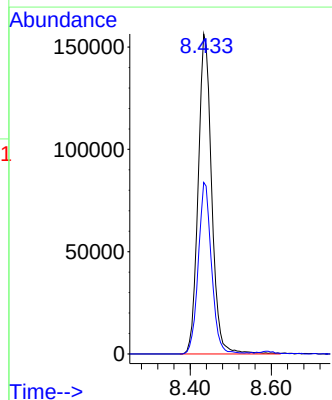
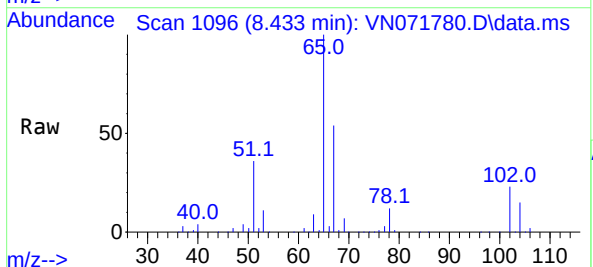
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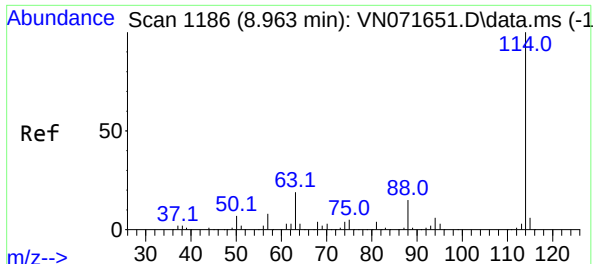
Tgt Ion: 56 Resp: 24461
Ion Ratio Lower Upper
56 100
69 100.6 27.8 41.8#
84 122.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.541 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 65 Resp: 361748
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

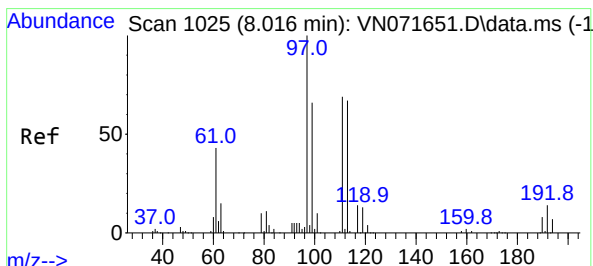
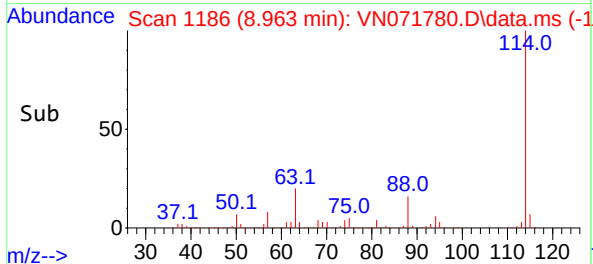
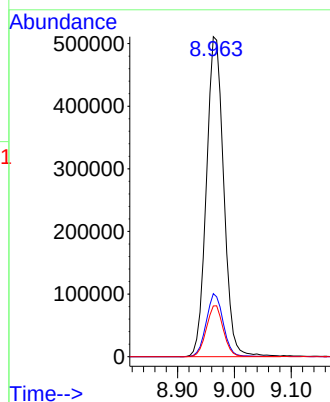
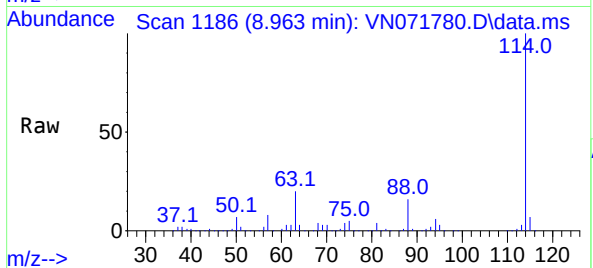




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

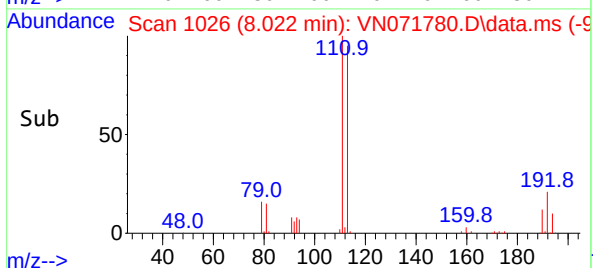
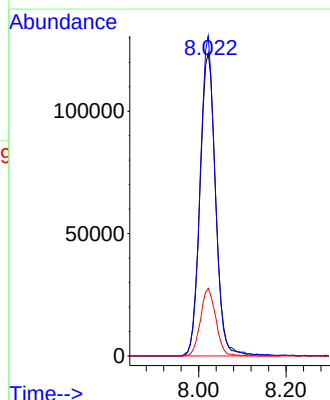
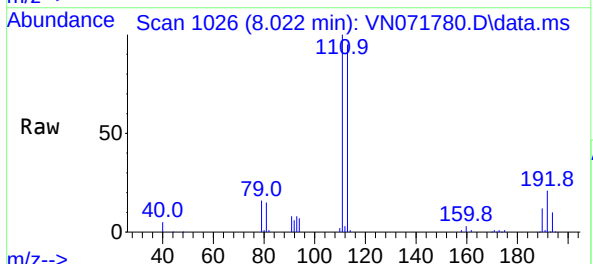
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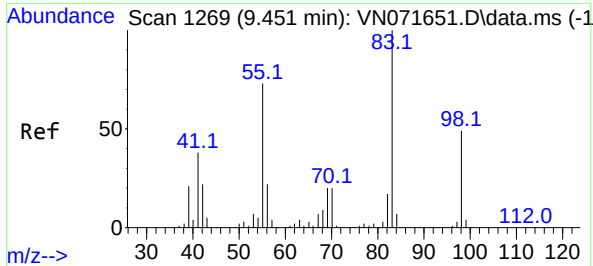
Tgt Ion:114 Resp: 1078337
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.520 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion:113 Resp: 307876
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 21.9 17.0 25.6





#39

Methylcyclohexane

Concen: 1.523 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN071780.D

Acq: 02 Apr 2022 02:58

Instrument :

MSVOA_N

ClientSampleId :

MW-19

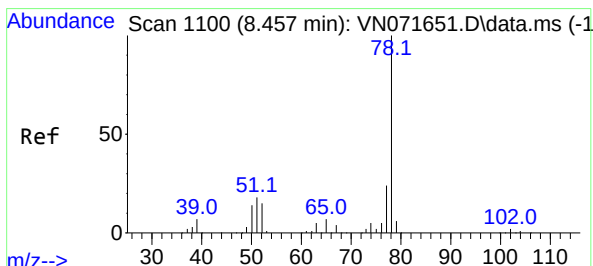
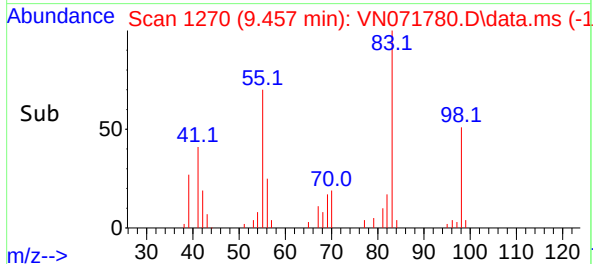
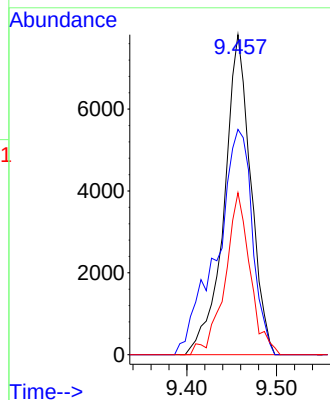
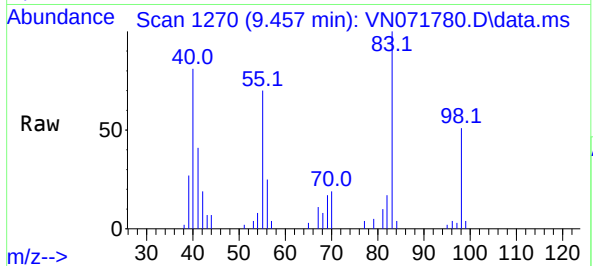
Tgt Ion: 83 Resp: 16068

Ion Ratio Lower Upper

83 100

55 70.4 57.8 86.8

98 50.6 39.4 59.2



#40

Benzene

Concen: 6.038 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN071780.D

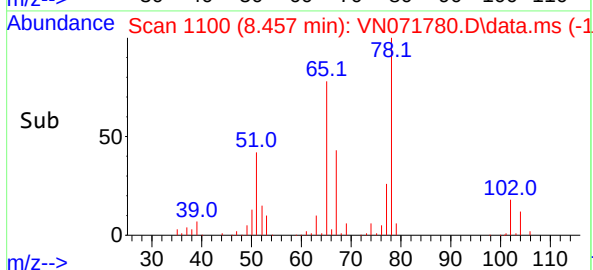
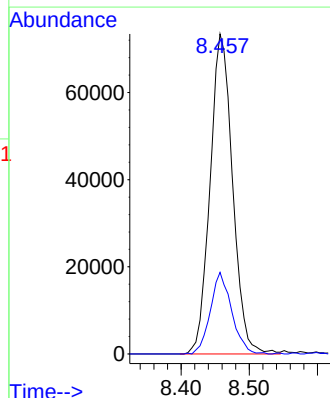
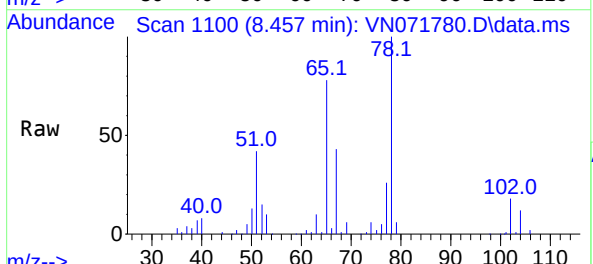
Acq: 02 Apr 2022 02:58

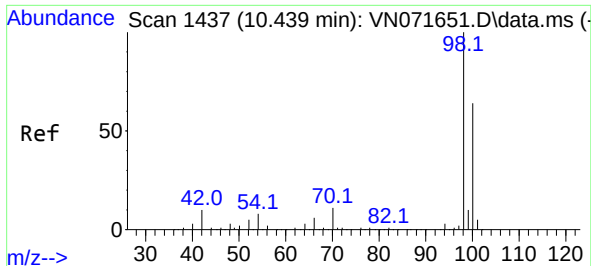
Tgt Ion: 78 Resp: 169018

Ion Ratio Lower Upper

78 100

77 25.5 19.4 29.0

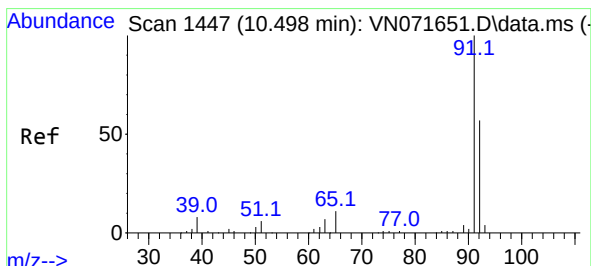
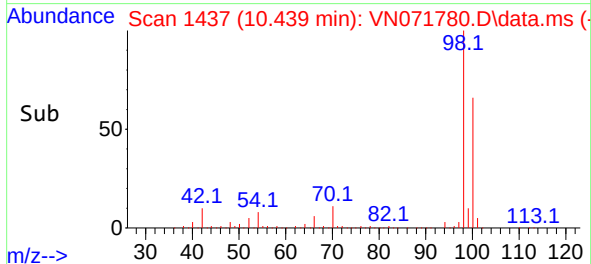
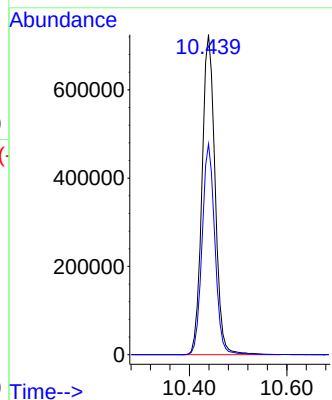
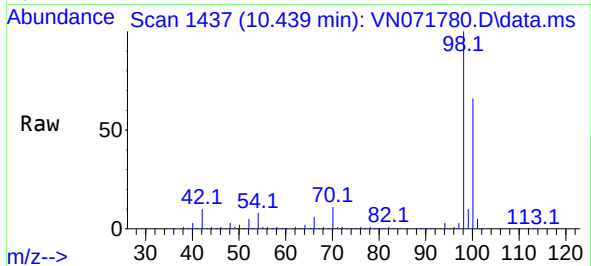




#50
Toluene-d8
Concen: 52.109 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

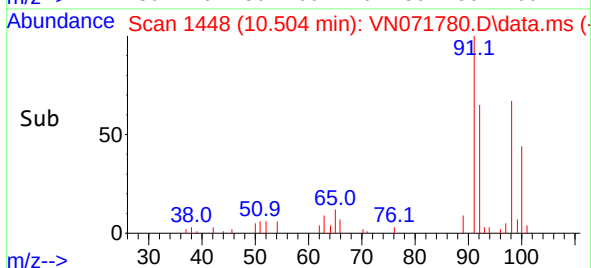
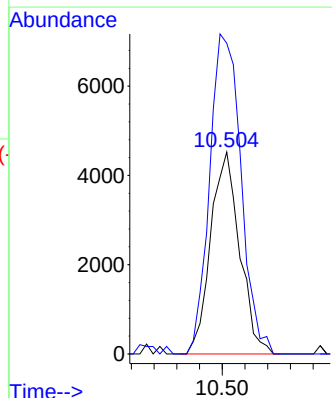
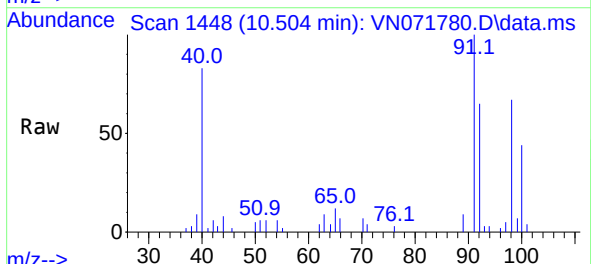
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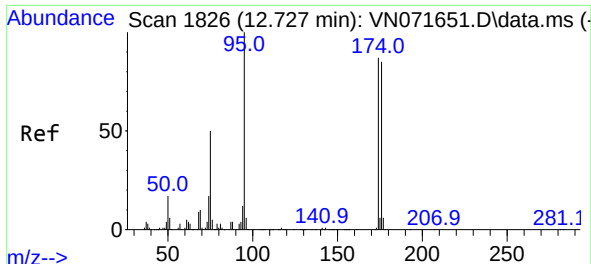
Tgt Ion: 98 Resp: 1352621
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#52
Toluene
Concen: 0.453 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 92 Resp: 8023
Ion Ratio Lower Upper
92 100
91 171.2 138.6 207.8

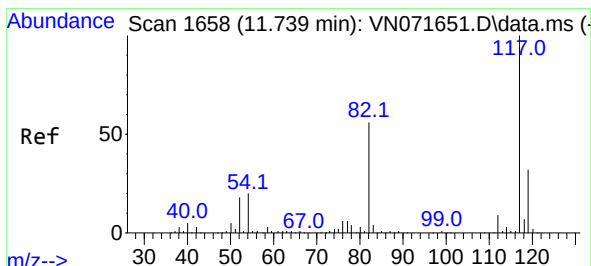
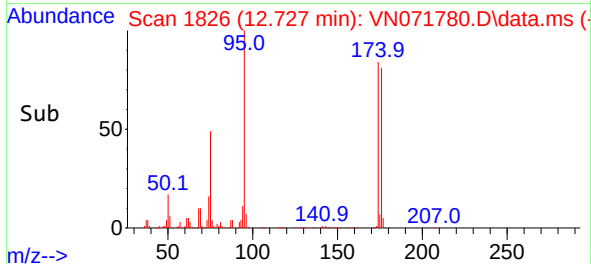
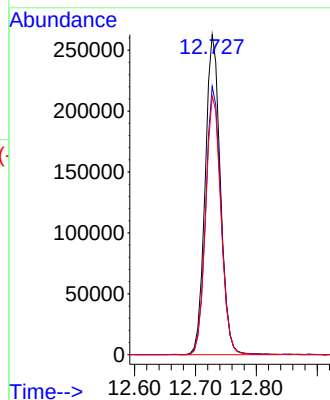
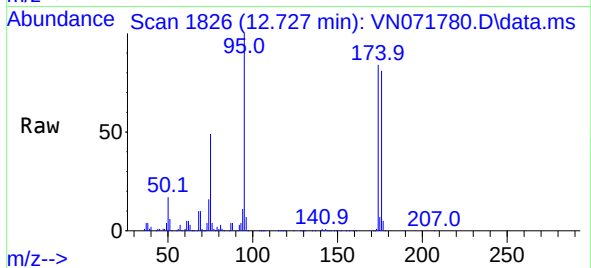




#62
4-Bromofluorobenzene
Concen: 54.180 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

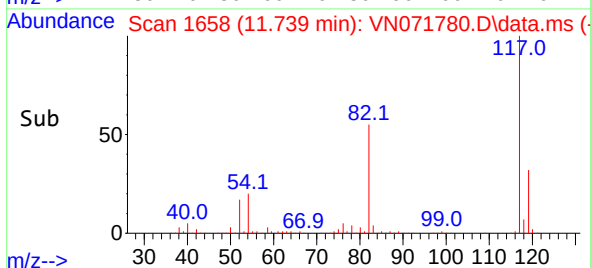
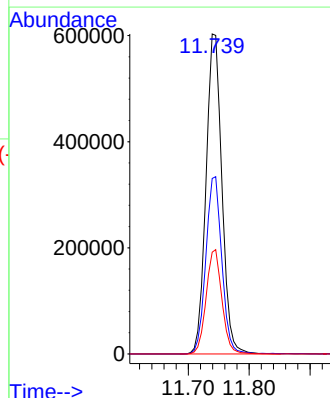
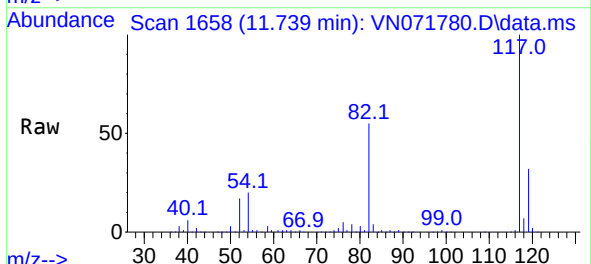
Instrument :
MSVOA_N
ClientSampleId :
MW-19

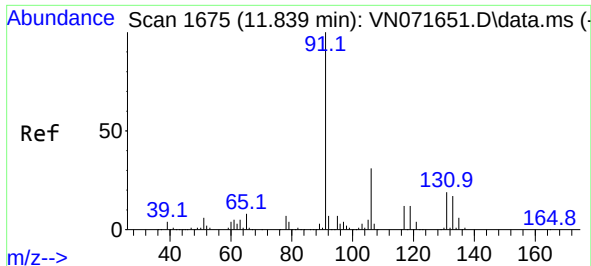
Tgt Ion: 95 Resp: 454843
Ion Ratio Lower Upper
95 100
174 84.6 0.0 167.6
176 81.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 117 Resp: 1094519
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 1.471 ug/l

RT: 11.839 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VN071780.D

Acq: 02 Apr 2022 02:58

Instrument :

MSVOA_N

ClientSampleId :

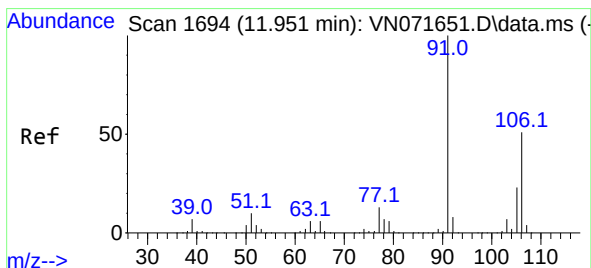
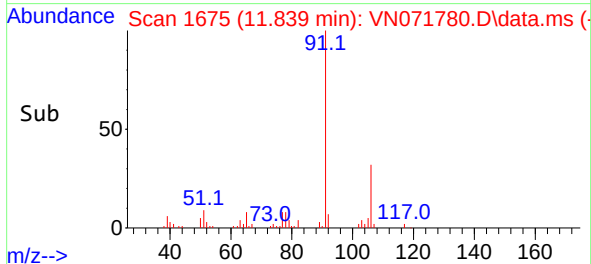
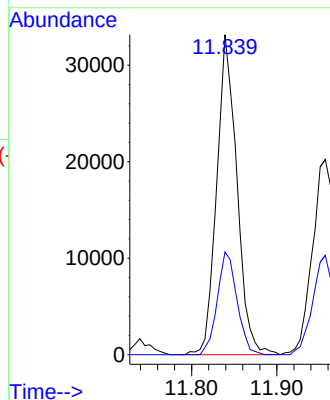
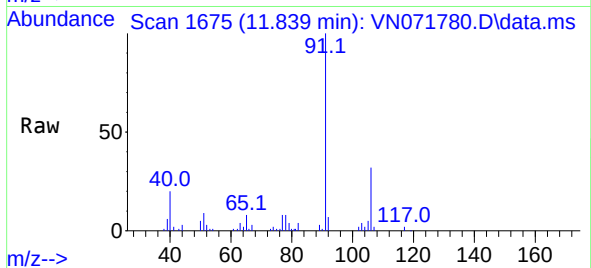
MW-19

Tgt Ion: 91 Resp: 54581

Ion Ratio Lower Upper

91 100

106 32.1 24.9 37.3



#68

m/p-Xylenes

Concen: 1.325 ug/l

RT: 11.957 min Scan# 1695

Delta R.T. 0.006 min

Lab File: VN071780.D

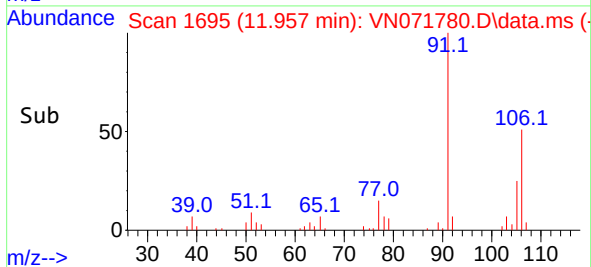
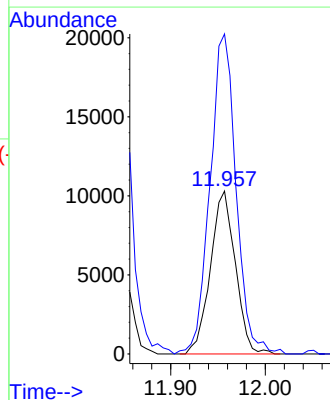
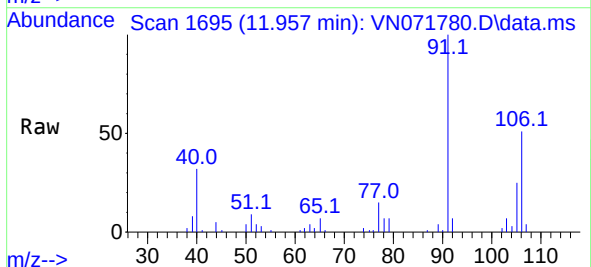
Acq: 02 Apr 2022 02:58

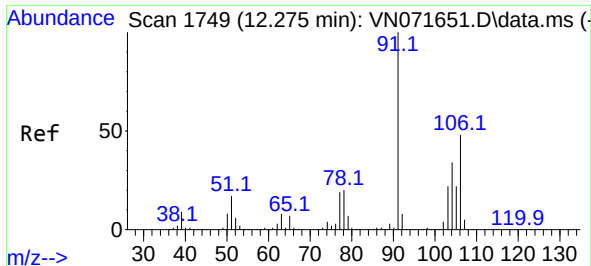
Tgt Ion: 106 Resp: 18885

Ion Ratio Lower Upper

106 100

91 204.9 158.9 238.3

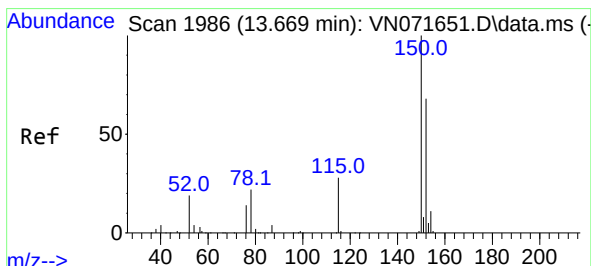
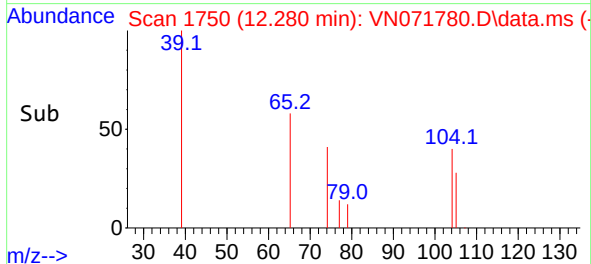
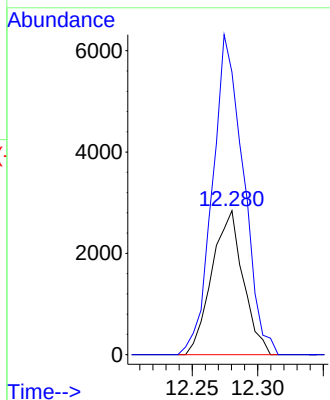
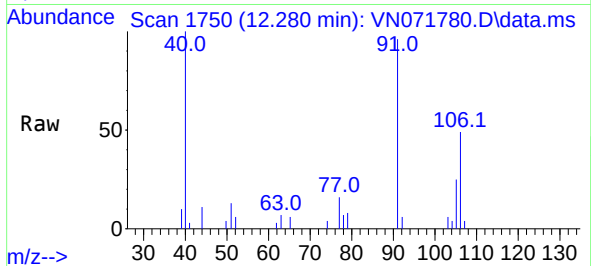




#69
o-Xylene
Concen: 0.333 ug/l
RT: 12.280 min Scan# 1749
Delta R.T. 0.005 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

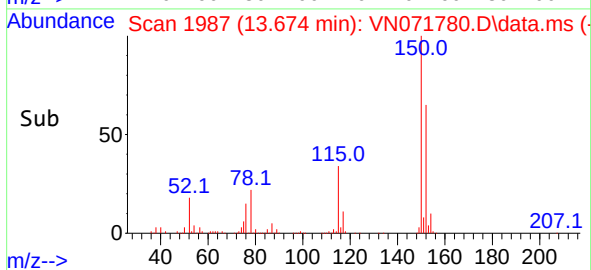
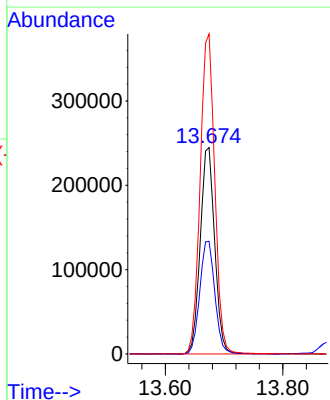
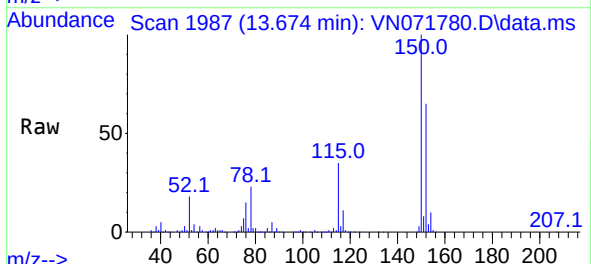
Instrument :
MSVOA_N
ClientSampleId :
MW-19

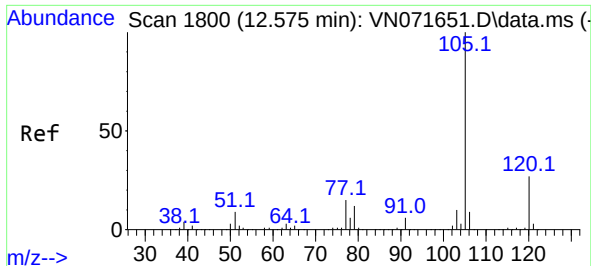
Tgt Ion:106 Resp: 4718
Ion Ratio Lower Upper
106 100
91 219.1 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion:152 Resp: 419594
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 156.2 0.0 356.2

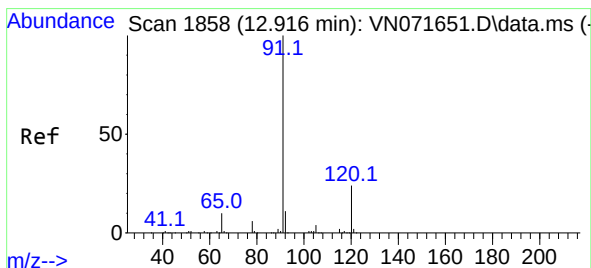
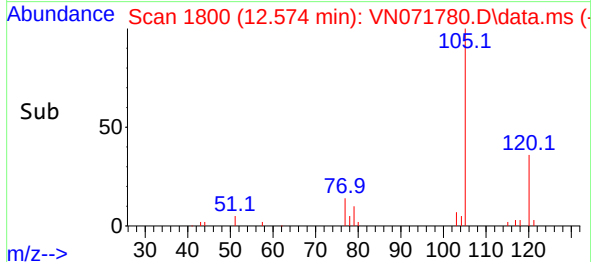
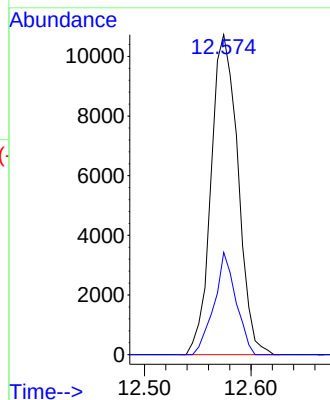
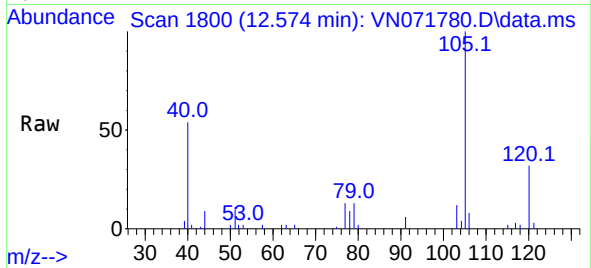




#73
Isopropylbenzene
Concen: 0.532 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

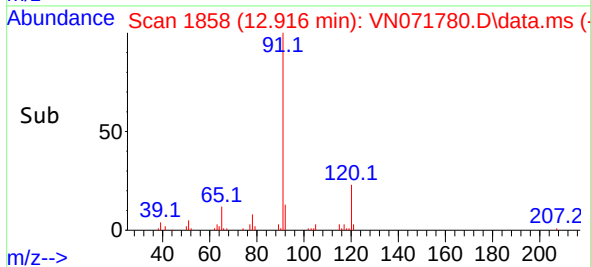
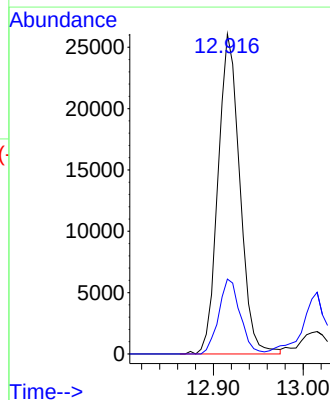
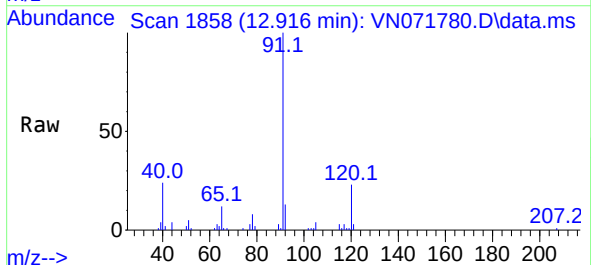
Instrument :
MSVOA_N
ClientSampleId :
MW-19

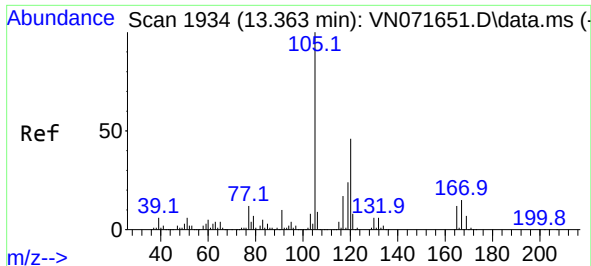
Tgt Ion:105 Resp: 18797
Ion Ratio Lower Upper
105 100
120 25.9 13.5 40.4



#78
n-propylbenzene
Concen: 1.183 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 91 Resp: 43984
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5

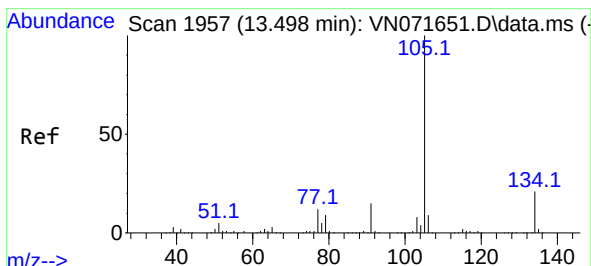
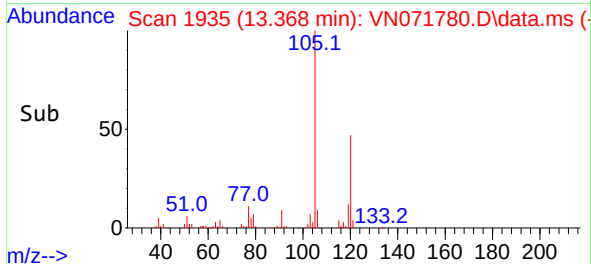
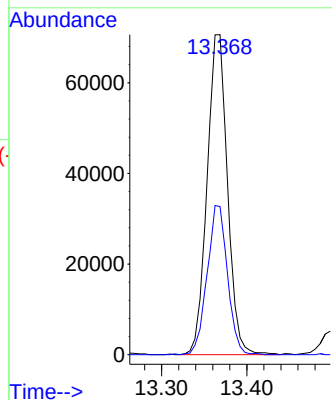
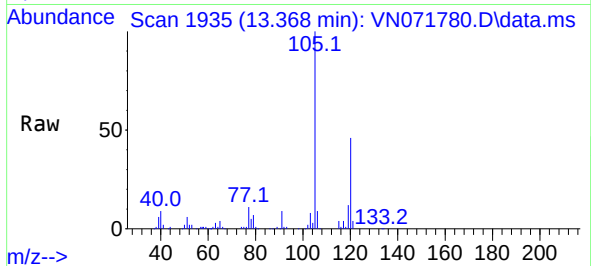




#84
1,2,4-Trimethylbenzene
Concen: 4.304 ug/l
RT: 13.368 min Scan# 1934
Delta R.T. 0.005 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

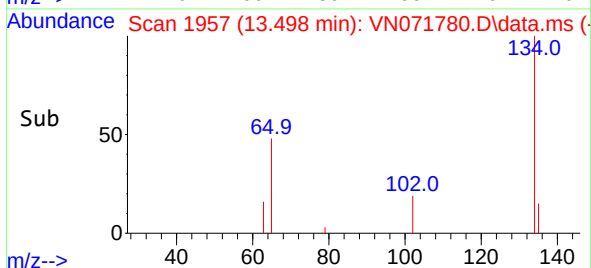
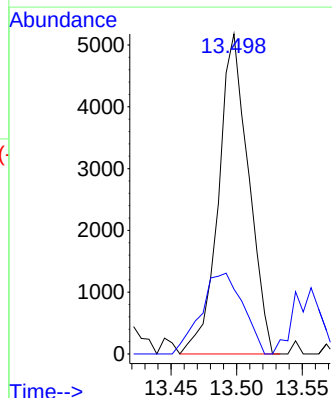
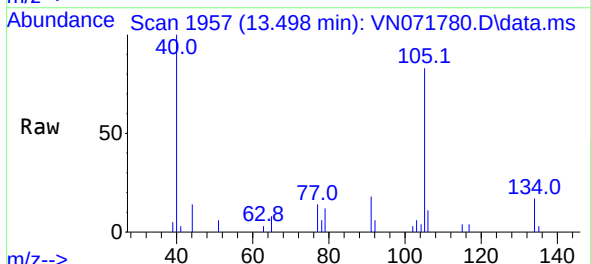
Instrument :
MSVOA_N
ClientSampleId :
MW-19

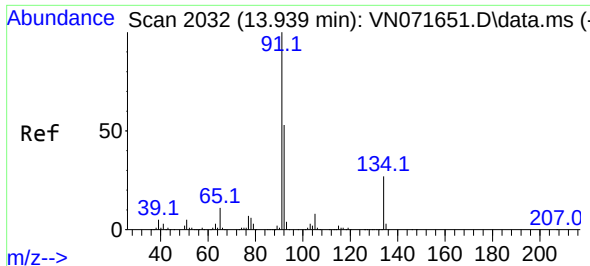
Tgt Ion:105 Resp: 117654
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.249 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion:105 Resp: 8262
Ion Ratio Lower Upper
105 100
134 35.3 10.4 31.1#

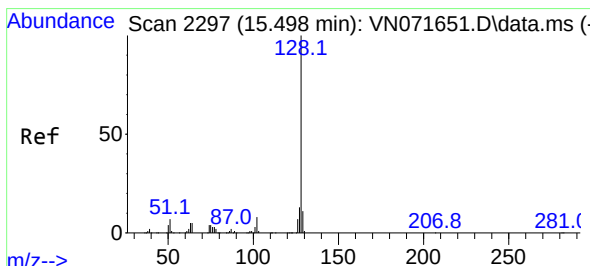
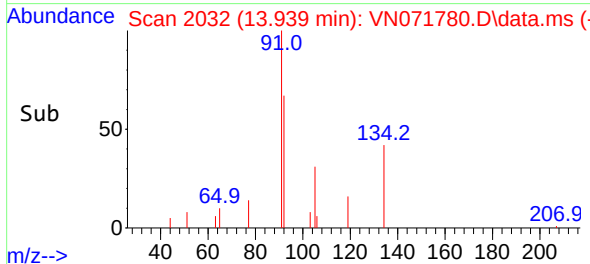
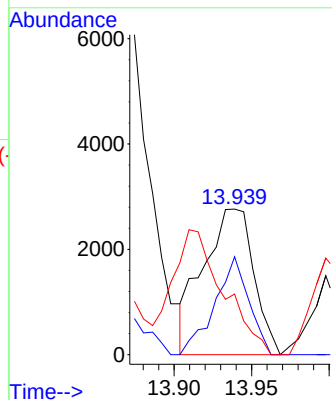
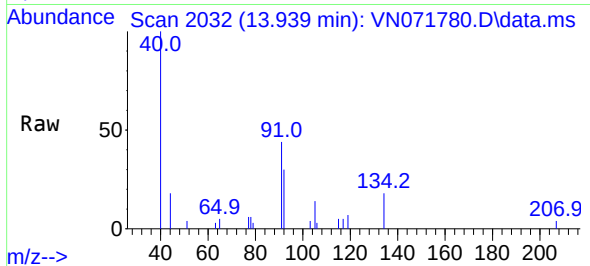




#89
n-Butylbenzene
Concen: 0.321 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Instrument :
MSVOA_N
ClientSampleId :
MW-19

Tgt Ion: 91 Resp: 6298
Ion Ratio Lower Upper
91 100
92 45.2 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 5.088 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071780.D
Acq: 02 Apr 2022 02:58

Tgt Ion: 128 Resp: 26583
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 9.8 8.6 13.0

