

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071124.D
 Acq On : 01 Mar 2022 17:24
 Operator : JC\MD
 Sample : N1689-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-40

Quant Time: Mar 02 03:31:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

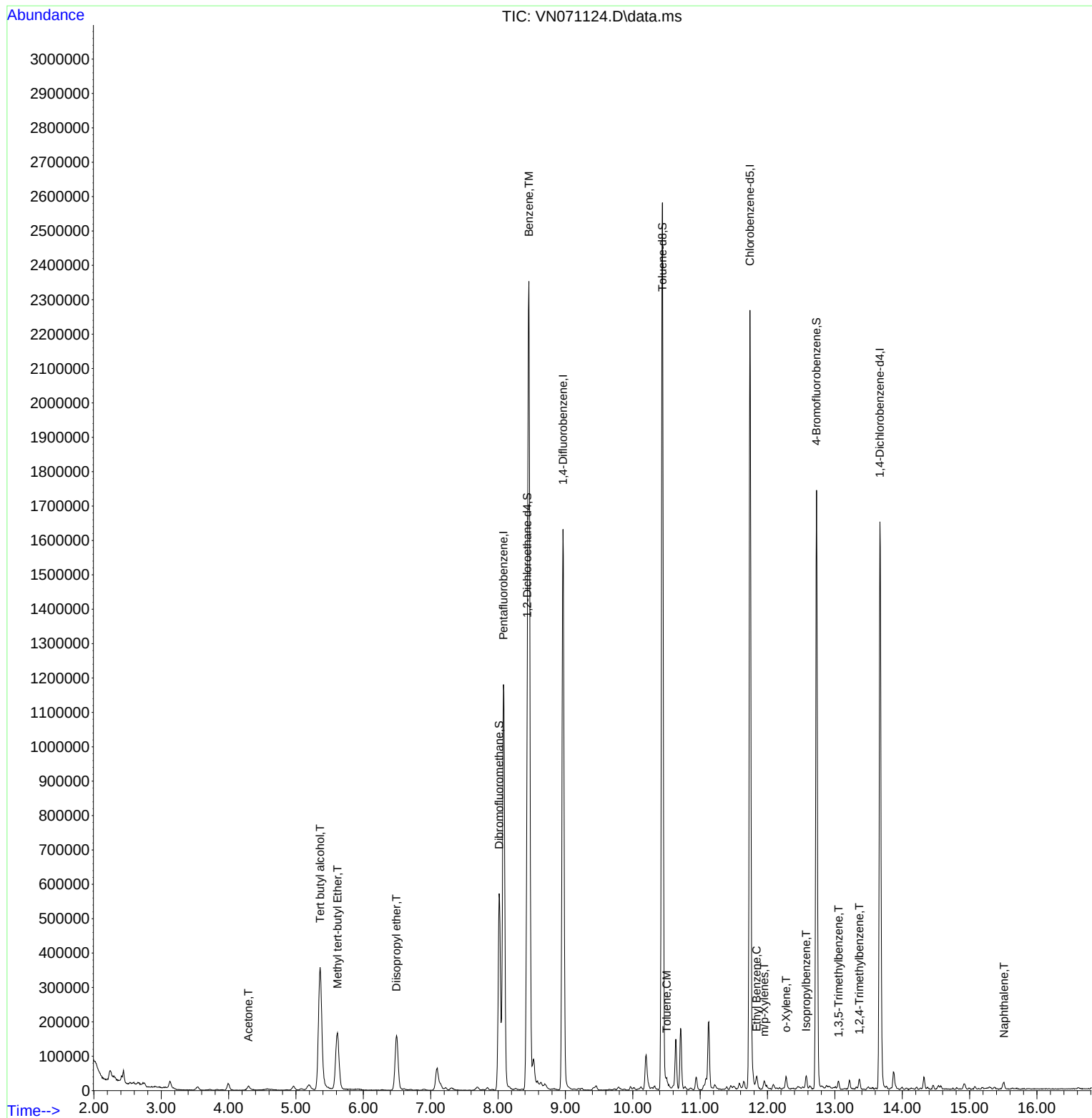
Internal Standards						
1) Pentafluorobenzene	8.081	168	912115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1465359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1317124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	467999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	555210	53.287	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.580%	
35) Dibromofluoromethane	8.016	113	422809	48.510	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.020%	
50) Toluene-d8	10.439	98	1776969	50.767	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.727	95	617638	49.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.357	59	696827	366.974	ug/l	98
16) Acetone	4.293	43	18110	3.156	ug/l	95
19) Methyl tert-butyl Ether	5.616	73	275177	8.785	ug/l	94
22) Diisopropyl ether	6.493	45	213319	6.531	ug/l #	86
40) Benzene	8.457	78	2184830	51.725	ug/l	99
52) Toluene	10.504	92	8346	0.314	ug/l	86
67) Ethyl Benzene	11.839	91	19737	0.397	ug/l	99
68) m/p-Xylenes	11.951	106	8391	0.437	ug/l	89
69) o-Xylene	12.275	106	9427	0.503	ug/l	91
73) Isopropylbenzene	12.575	105	19938	0.529	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	7797	0.255	ug/l	91
84) 1,2,4-Trimethylbenzene	13.363	105	16648	0.554	ug/l	90
95) Naphthalene	15.510	128	20694	5.880	ug/l	98

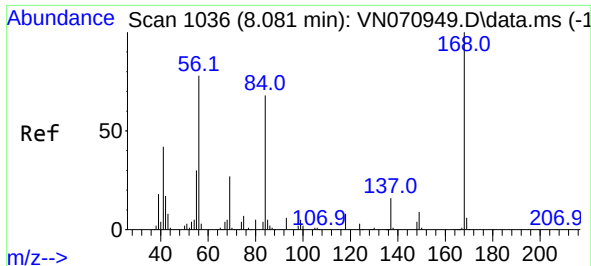
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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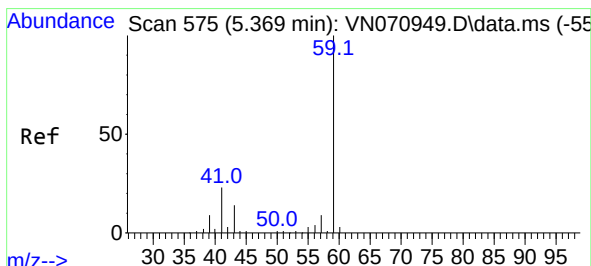
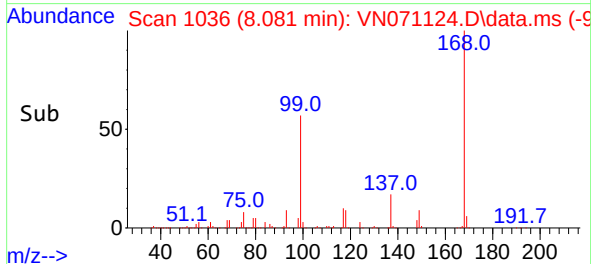
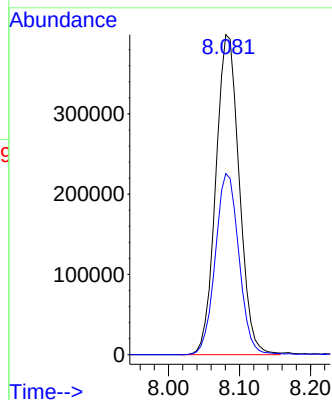
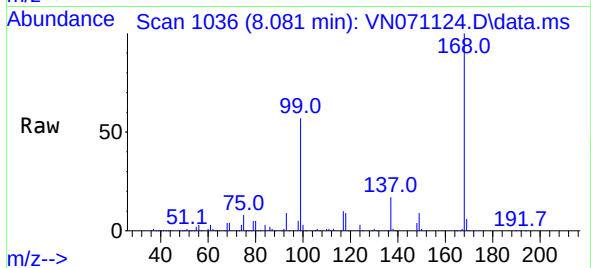




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

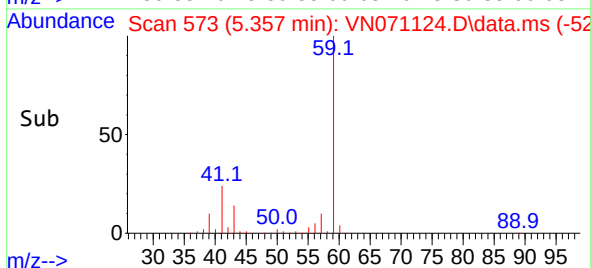
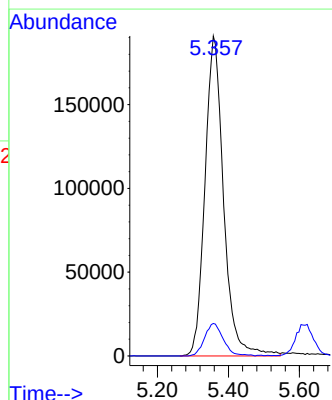
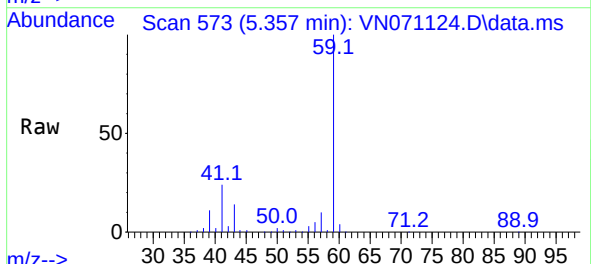
Instrument :
MSVOA_N
ClientSampleId :
MW-40

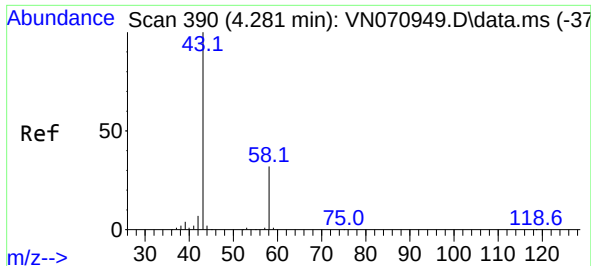
Tgt Ion:168 Resp: 912115
Ion Ratio Lower Upper
168 100
99 56.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 366.974 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 59 Resp: 696827
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

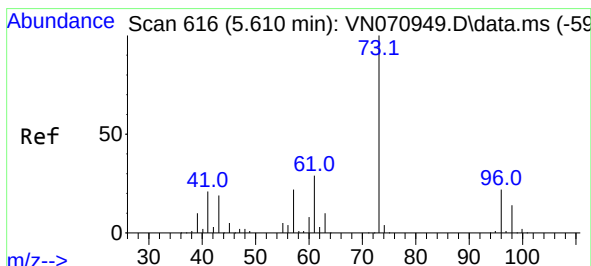
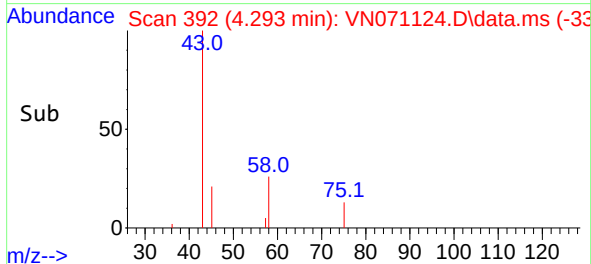
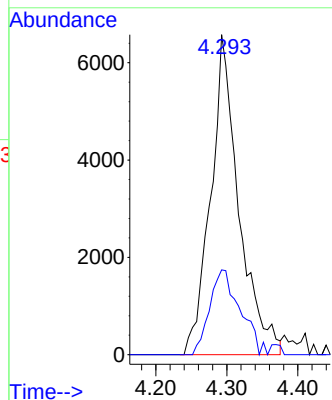
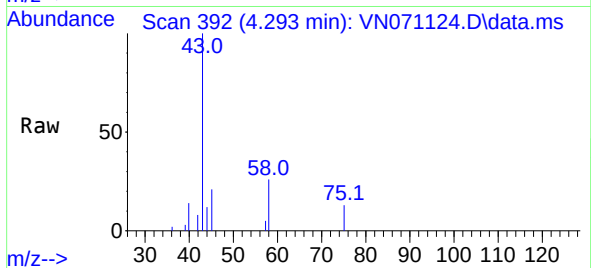




#16
Acetone
Concen: 3.156 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

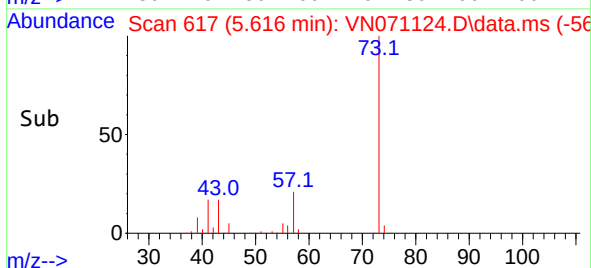
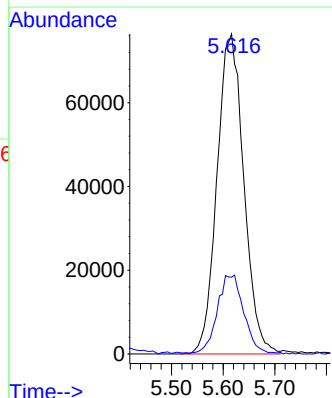
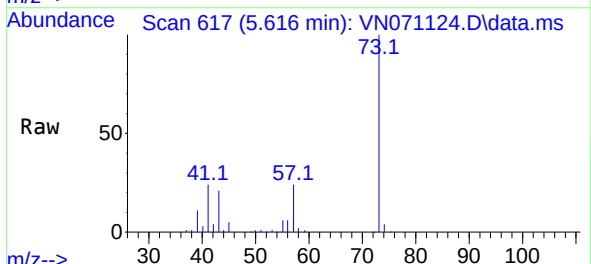
Instrument :
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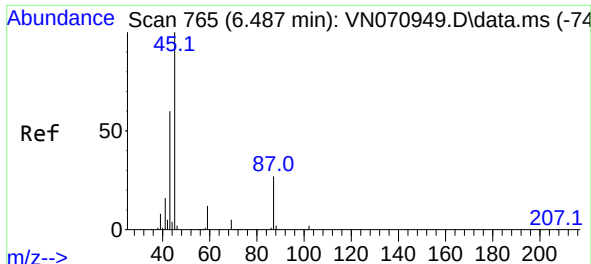
Tgt Ion: 43 Resp: 18110
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 8.785 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 73 Resp: 275177
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2

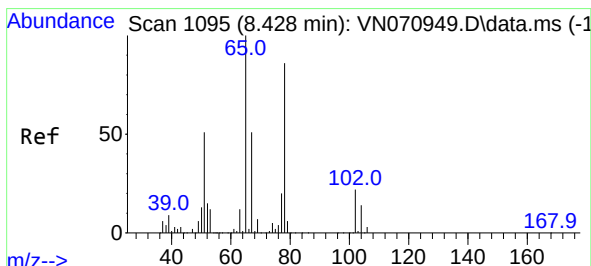
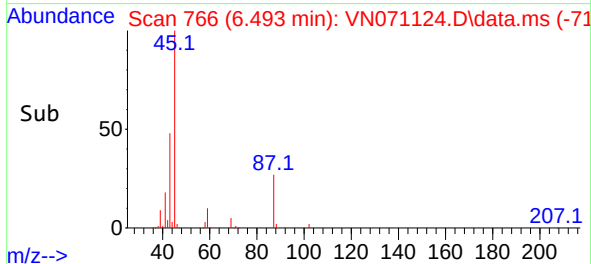
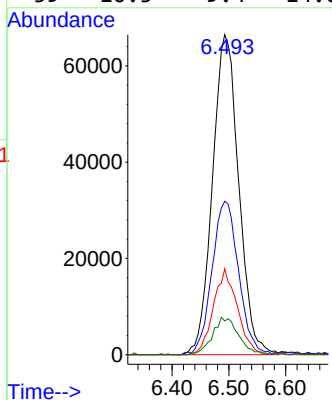
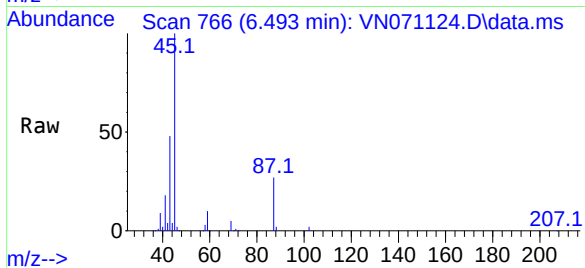




#22
Diisopropyl ether
Concen: 6.531 ug/l
RT: 6.493 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

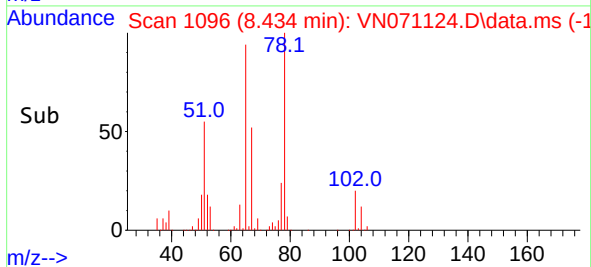
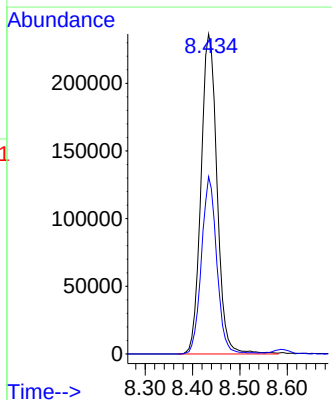
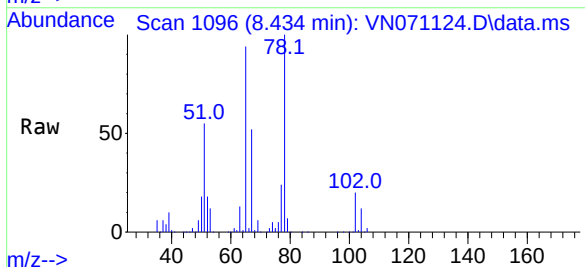
Instrument :
MSVOA_N
ClientSampleId :
MW-40

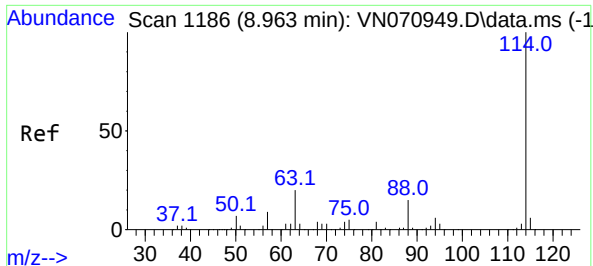
Tgt Ion: 45 Resp: 213319
Ion Ratio Lower Upper
45 100
43 47.9 51.7 77.5#
87 26.8 23.2 34.8
59 10.5 9.4 14.0



#33
1,2-Dichloroethane-d4
Concen: 53.287 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 65 Resp: 555210
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071124.D

Acq: 01 Mar 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

MW-40

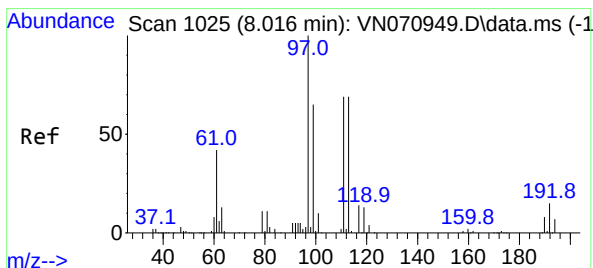
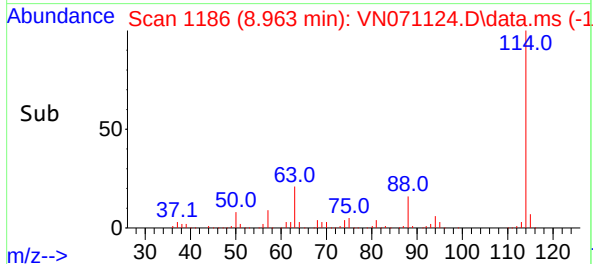
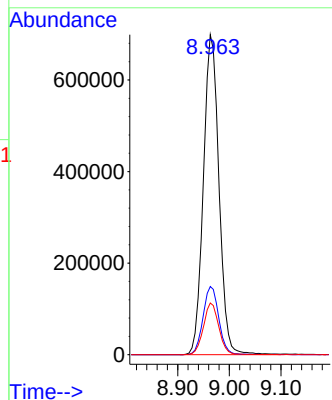
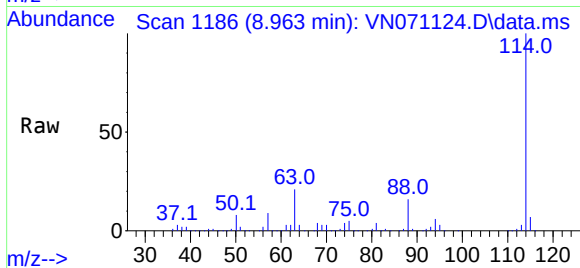
Tgt Ion:114 Resp: 1465359

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.510 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071124.D

Acq: 01 Mar 2022 17:24

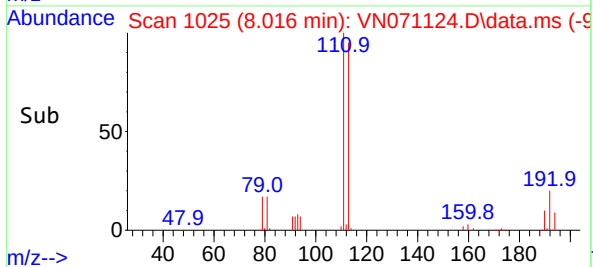
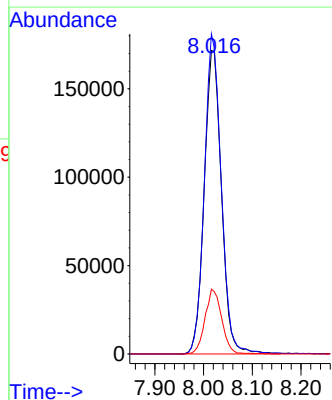
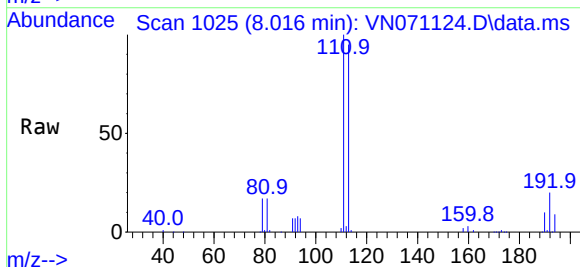
Tgt Ion:113 Resp: 422809

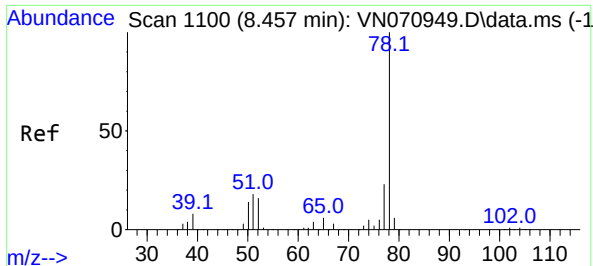
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 20.5 16.9 25.3

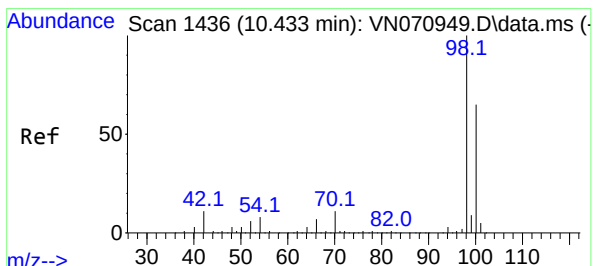
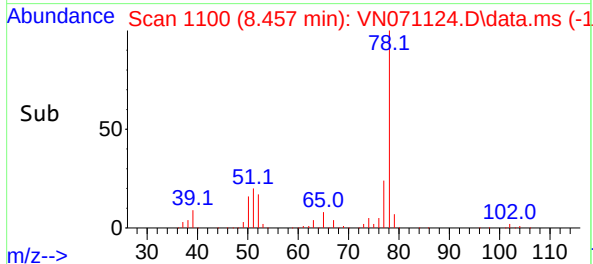
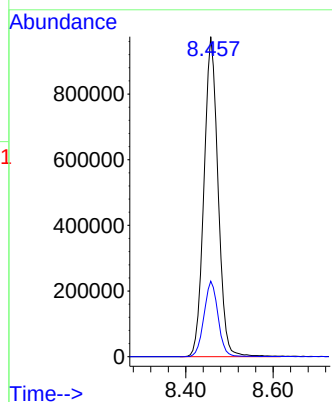
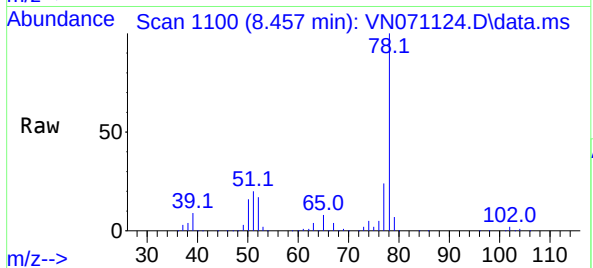




#40
Benzene
Concen: 51.725 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

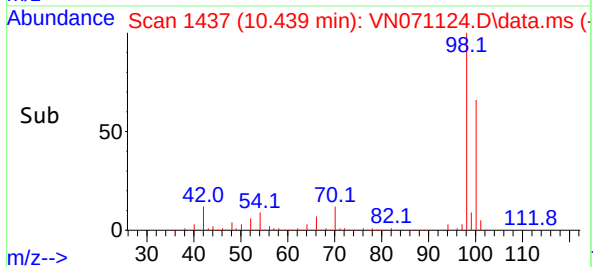
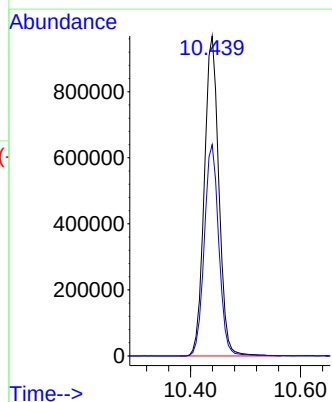
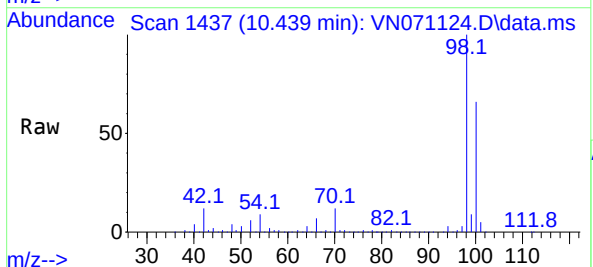
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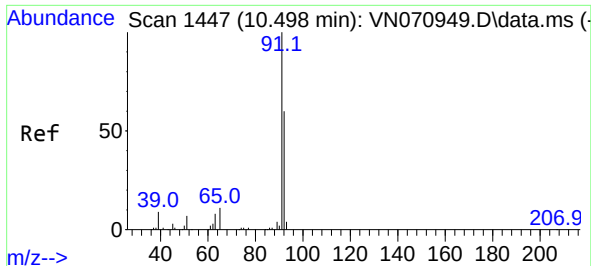
Tgt Ion: 78 Resp: 2184830
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8



#50
Toluene-d8
Concen: 50.767 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 98 Resp: 1776969
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6

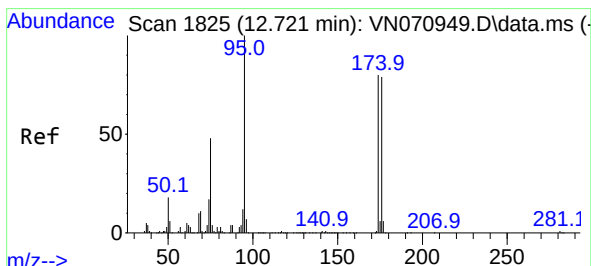
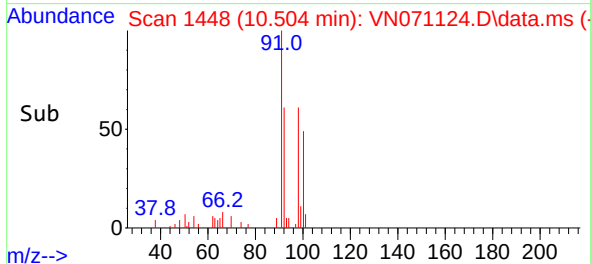
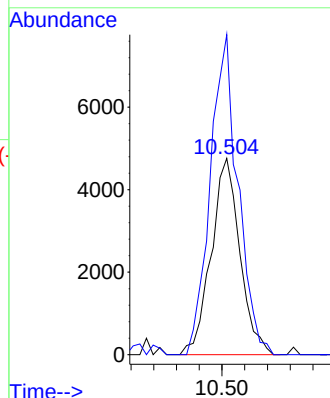
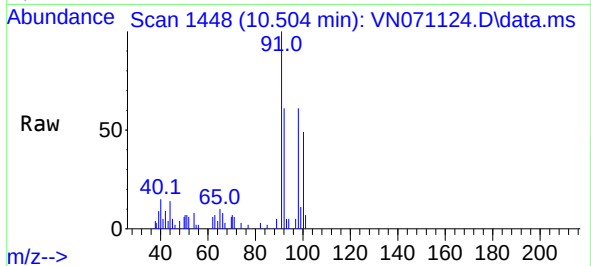




#52
Toluene
Concen: 0.314 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

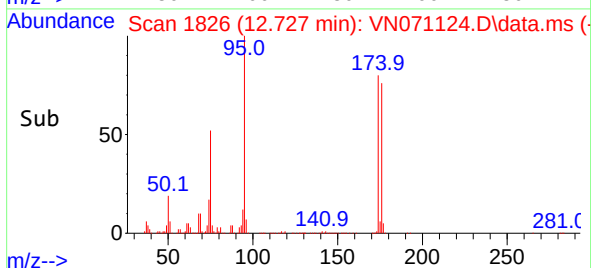
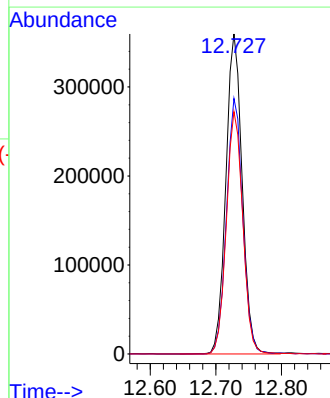
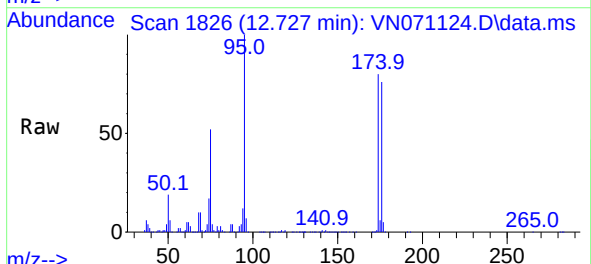
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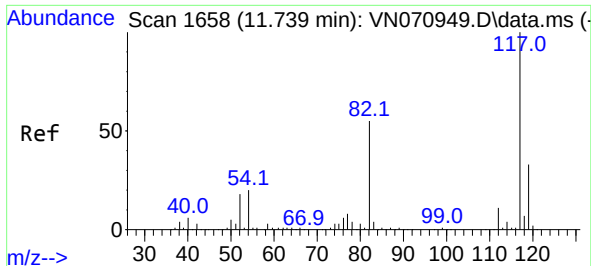
Tgt Ion: 92 Resp: 8346
Ion Ratio Lower Upper
92 100
91 157.6 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 49.366 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 95 Resp: 617638
Ion Ratio Lower Upper
95 100
174 80.0 0.0 187.2
176 76.5 0.0 181.4

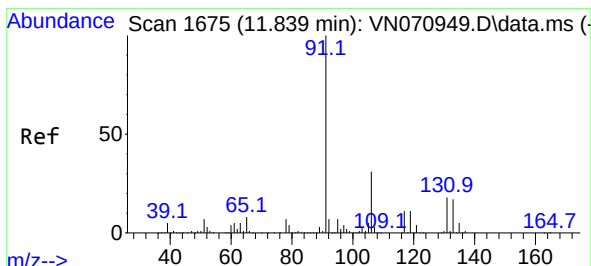
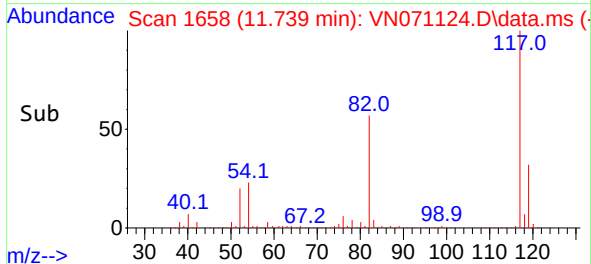
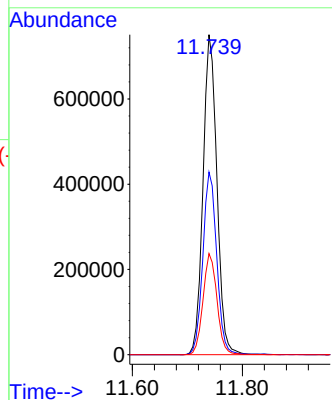
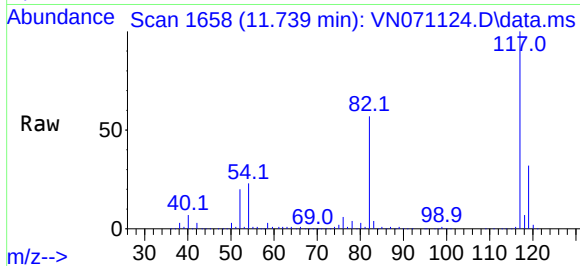




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

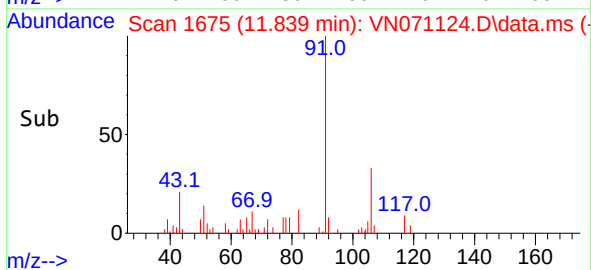
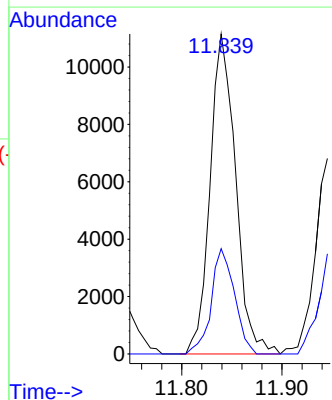
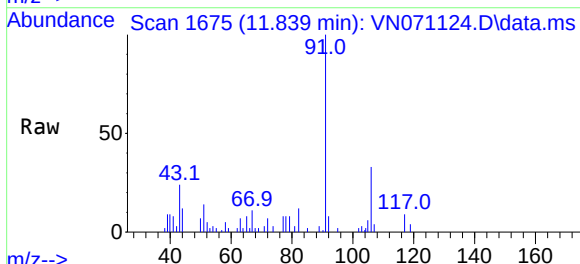
Instrument :
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ClientSampleId :
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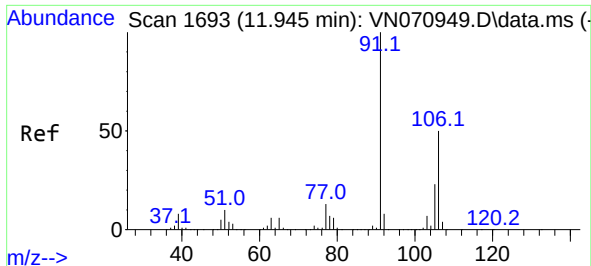
Tgt Ion:117 Resp: 1317124
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 31.6 25.4 38.2



#67
Ethyl Benzene
Concen: 0.397 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion: 91 Resp: 19737
Ion Ratio Lower Upper
91 100
106 32.9 25.7 38.5

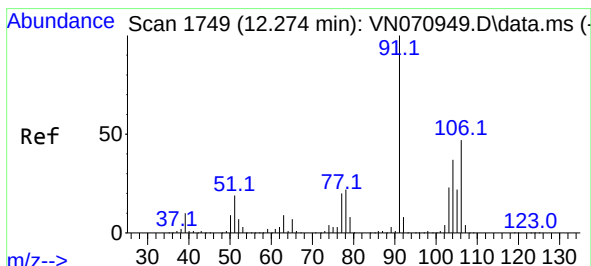
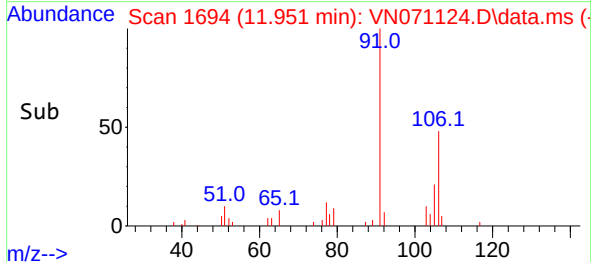
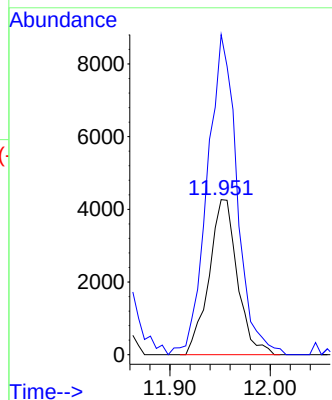
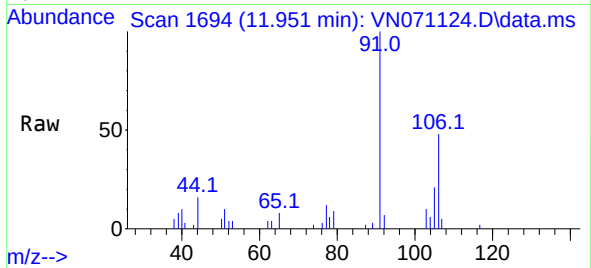




#68
m/p-Xylenes
Concen: 0.437 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

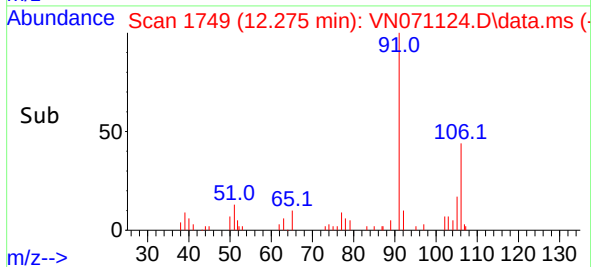
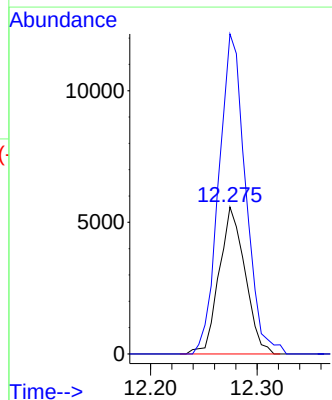
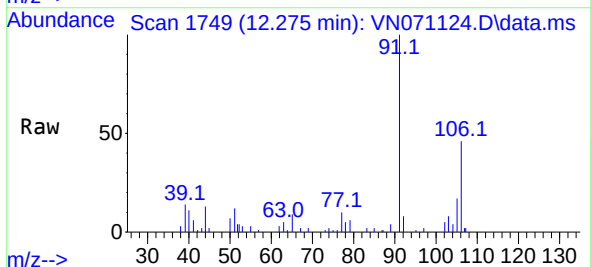
Instrument :
MSVOA_N
ClientSampleId :
MW-40

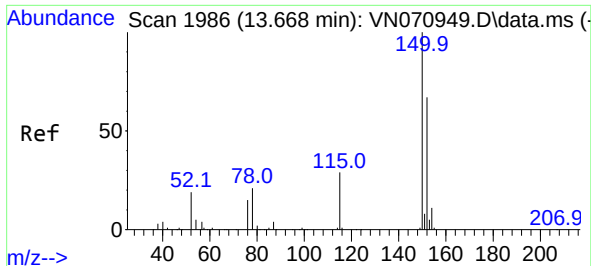
Tgt Ion:106 Resp: 8391
Ion Ratio Lower Upper
106 100
91 216.7 160.6 240.8



#69
o-Xylene
Concen: 0.503 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

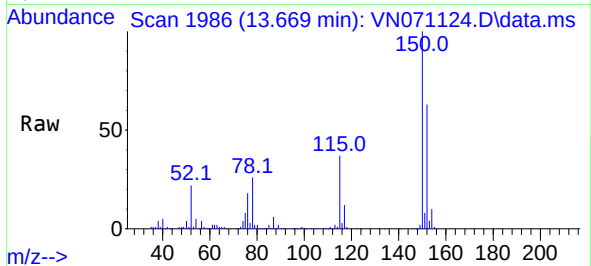
Tgt Ion:106 Resp: 9427
Ion Ratio Lower Upper
106 100
91 225.1 105.8 317.3



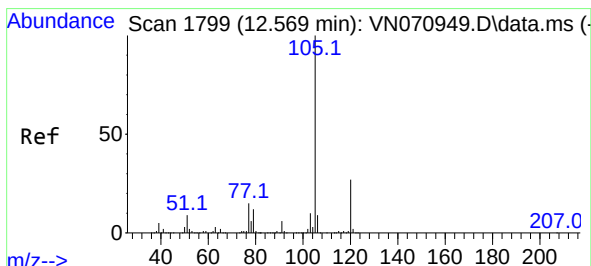
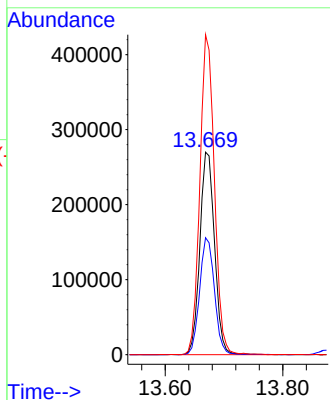
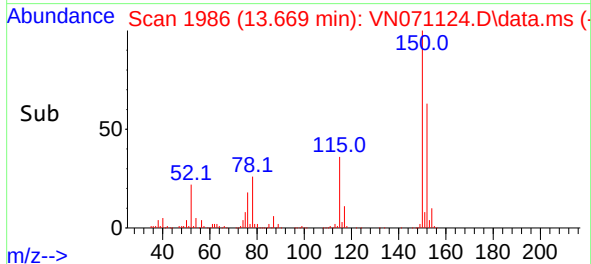


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

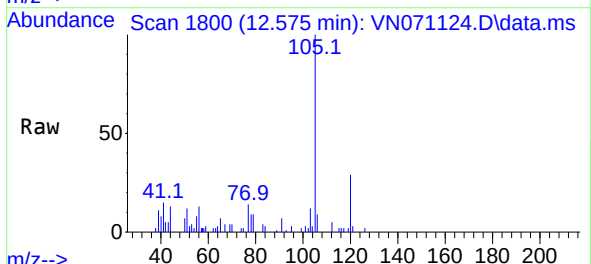
Instrument :
MSVOA_N
ClientSampleId :
MW-40



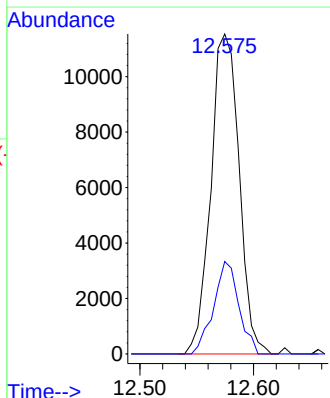
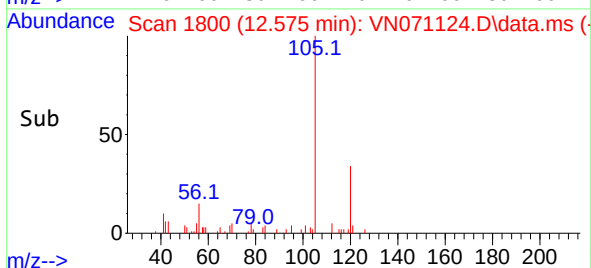
Tgt Ion:152 Resp: 467999
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 156.3 0.0 344.4

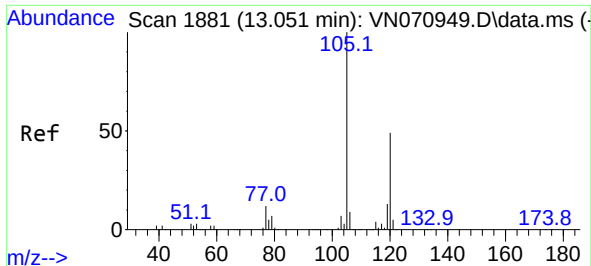


#73
Isopropylbenzene
Concen: 0.529 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24



Tgt Ion:105 Resp: 19938
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

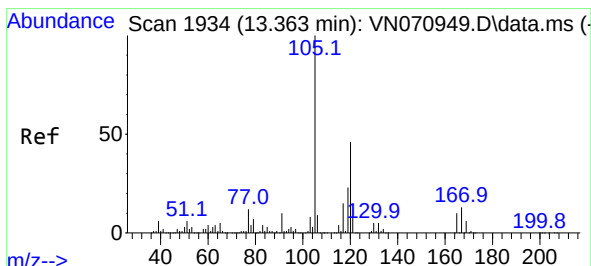
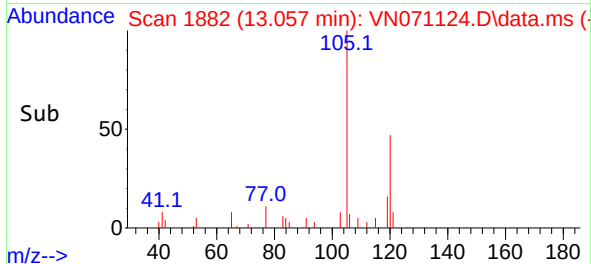
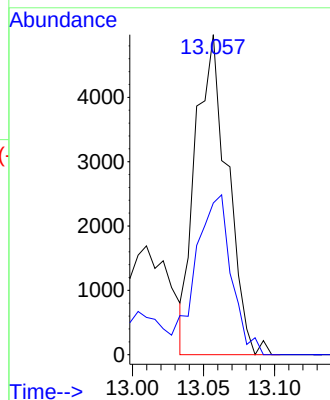
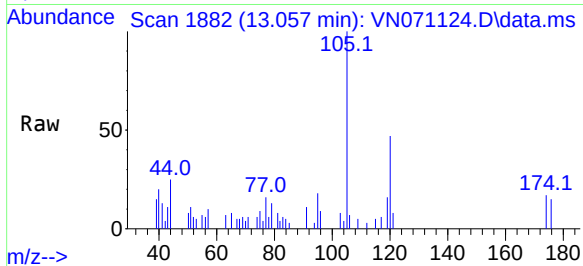




#80
1,3,5-Trimethylbenzene
Concen: 0.255 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

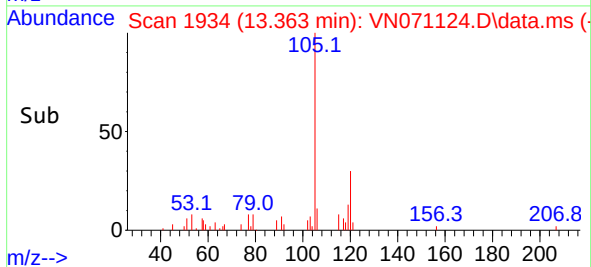
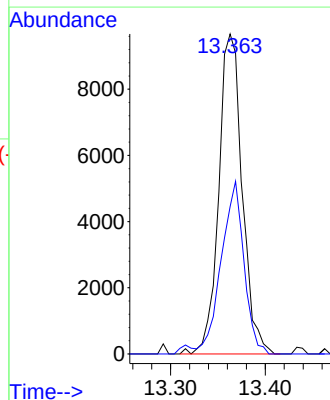
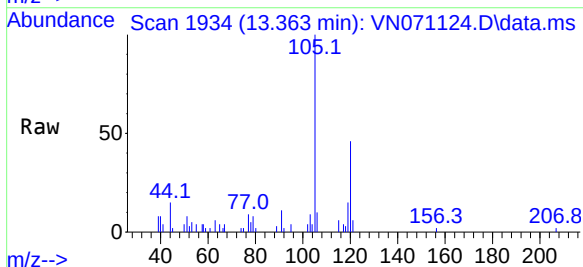
Instrument :
MSVOA_N
ClientSampleId :
MW-40

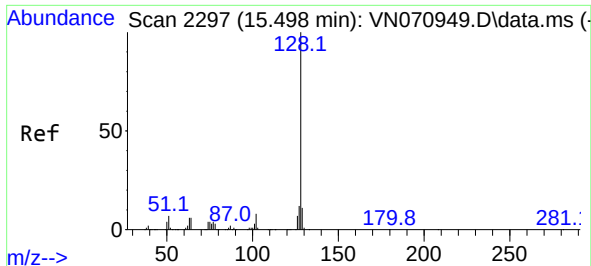
Tgt Ion:105 Resp: 7797
Ion Ratio Lower Upper
105 100
120 55.4 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 0.554 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN071124.D
Acq: 01 Mar 2022 17:24

Tgt Ion:105 Resp: 16648
Ion Ratio Lower Upper
105 100
120 52.1 22.8 68.4





#95

Naphthalene

Concen: 5.880 ug/l

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN071124.D

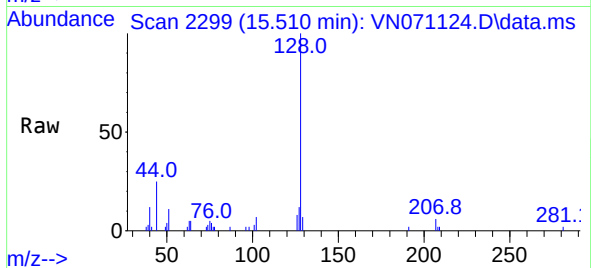
Acq: 01 Mar 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

MW-40



Tgt Ion:128 Resp: 20694

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 9.9 8.7 13.1

