

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071754.D
 Acq On : 01 Apr 2022 15:43
 Operator : JC\MD
 Sample : N2090-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48

Quant Time: Apr 02 00:54:48 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)

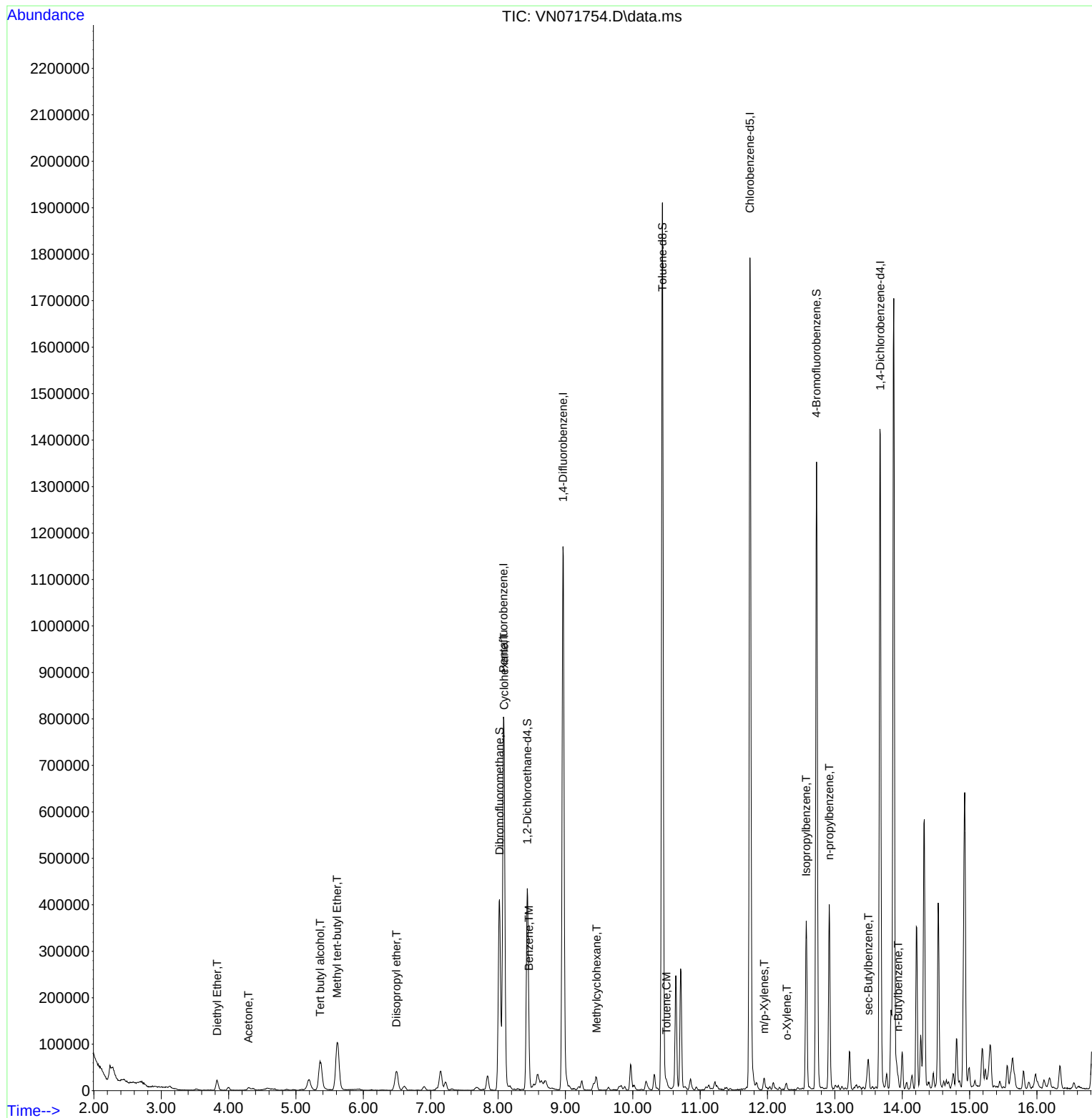
Internal Standards						
1) Pentafluorobenzene	8.080	168	640097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1077418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1093403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	422329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	360544	49.339	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.680%
35) Dibromofluoromethane	8.022	113	307335	48.476	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.960%
50) Toluene-d8	10.439	98	1356122	52.288	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.727	95	483243	57.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.220%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.828	74	13659	3.587	ug/l	100
11) Tert butyl alcohol	5.357	59	124389	104.892	ug/l	98
16) Acetone	4.292	43	8606	2.756	ug/l #	78
19) Methyl tert-butyl Ether	5.610	73	178261	9.082	ug/l	100
22) Diisopropyl ether	6.492	45	46970	2.516	ug/l #	92
31) Cyclohexane	8.092	56	37975	3.821	ug/l #	75
39) Methylcyclohexane	9.463	83	13228	1.255	ug/l	89
40) Benzene	8.457	78	6446	0.230	ug/l #	80
52) Toluene	10.498	92	4753	0.269	ug/l	93
68) m/p-Xylenes	11.951	106	8442	0.593	ug/l	99
69) o-Xylene	12.286	106	3540	0.250	ug/l	93
73) Isopropylbenzene	12.574	105	243966	6.855	ug/l	100
78) n-propylbenzene	12.915	91	317954	8.493	ug/l	97
85) sec-Butylbenzene	13.498	105	41553	1.244	ug/l	80
89) n-Butylbenzene	13.939	91	13037	0.660	ug/l #	80

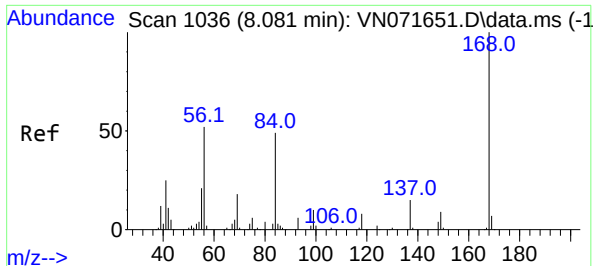
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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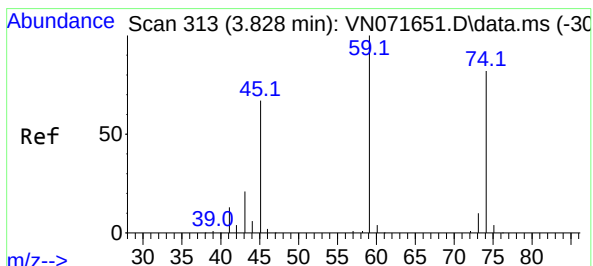
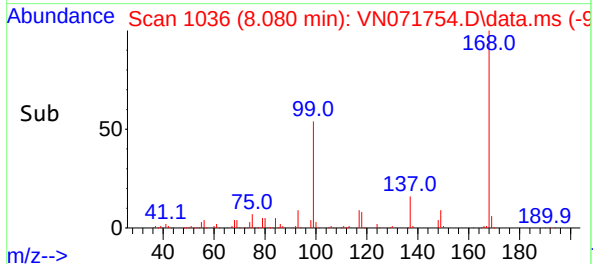
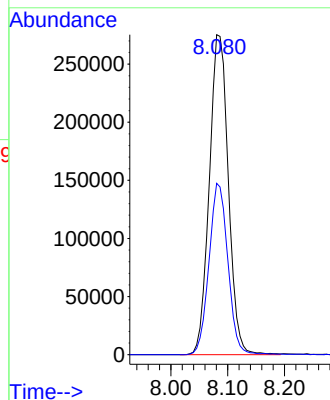
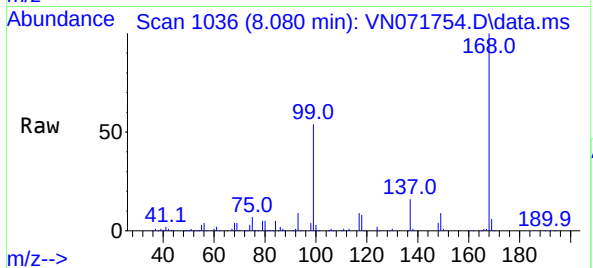




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

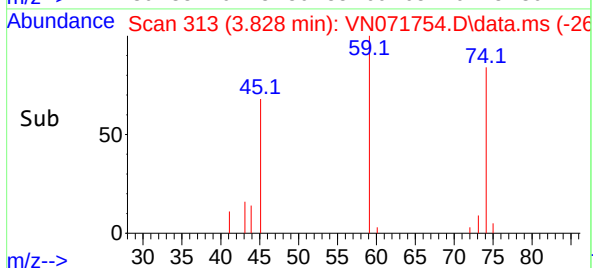
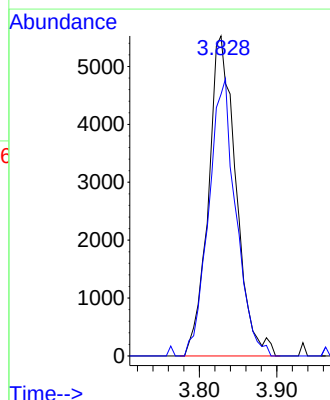
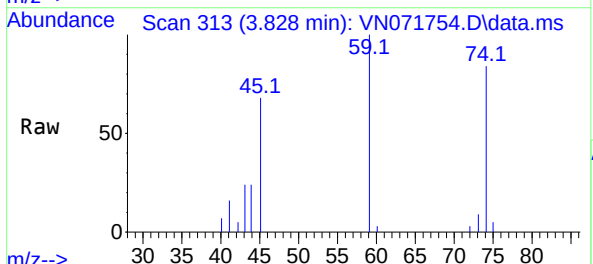
Instrument :
MSVOA_N
ClientSampleId :
MW-48

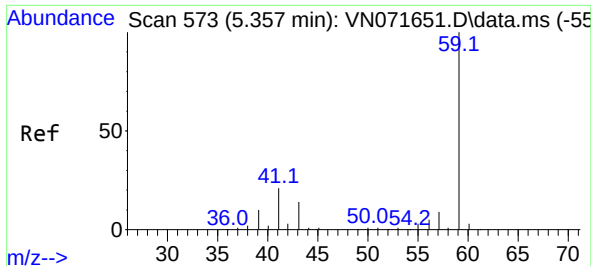
Tgt Ion:168 Resp: 640097
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#8
Diethyl Ether
Concen: 3.587 ug/l
RT: 3.828 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 74 Resp: 13659
Ion Ratio Lower Upper
74 100
45 85.6 42.9 128.5

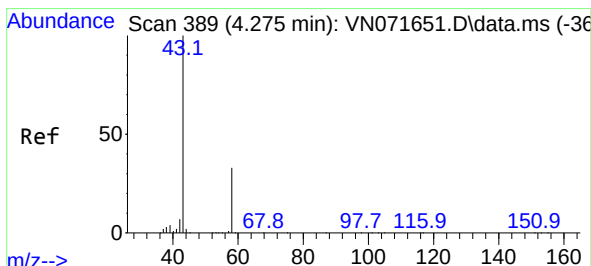
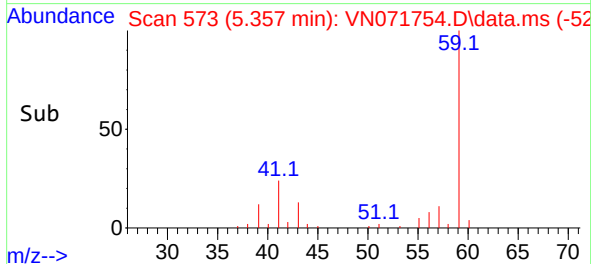
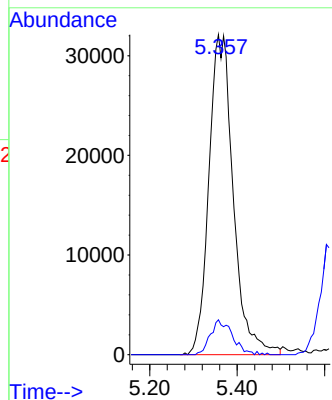
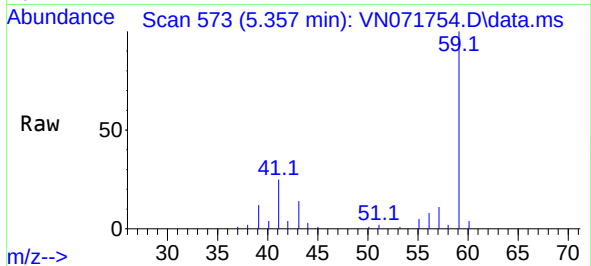




#11
Tert butyl alcohol
Concen: 104.892 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

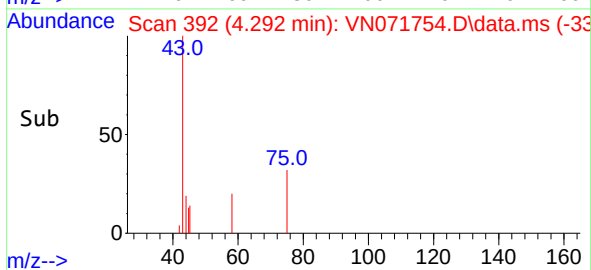
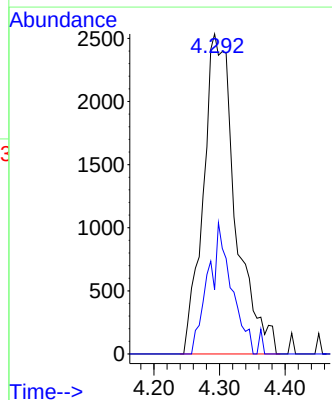
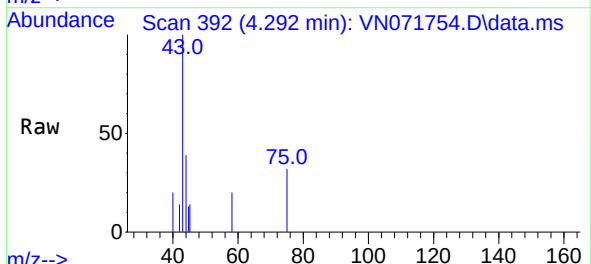
Instrument :
MSVOA_N
ClientSampleId :
MW-48

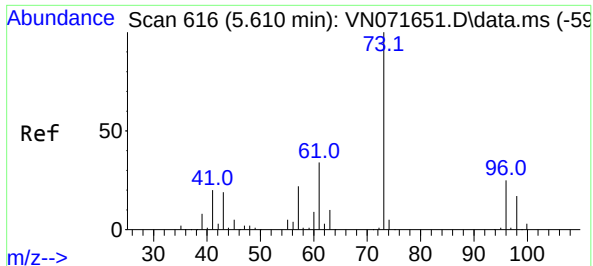
Tgt Ion: 59 Resp: 124389
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5



#16
Acetone
Concen: 2.756 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 43 Resp: 8606
Ion Ratio Lower Upper
43 100
58 20.1 26.0 39.0#

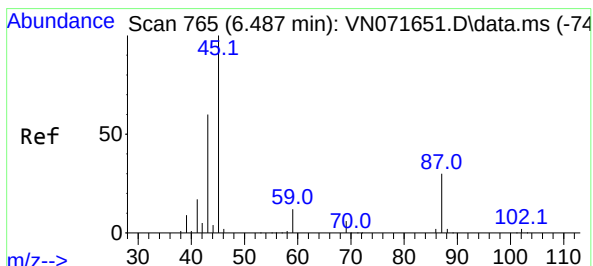
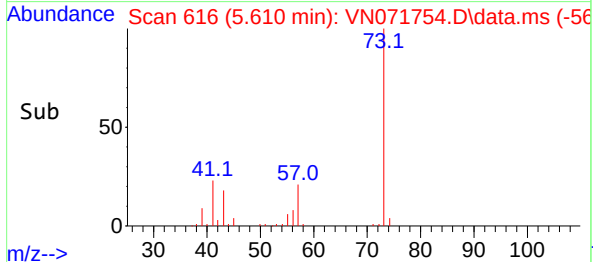
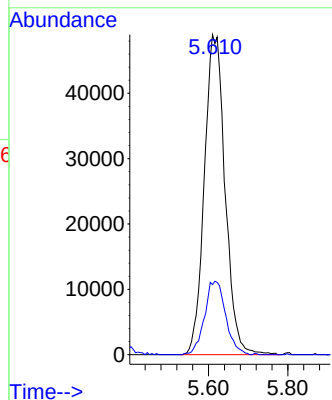
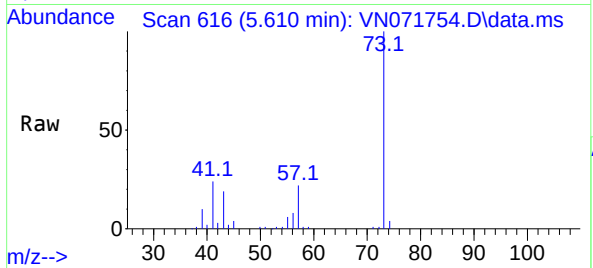




#19
Methyl tert-butyl Ether
Concen: 9.082 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

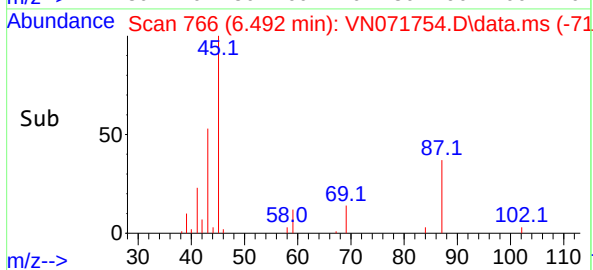
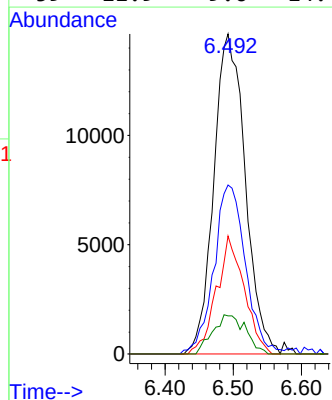
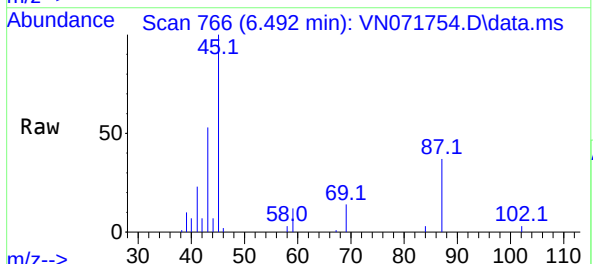
Instrument :
MSVOA_N
ClientSampleId :
MW-48

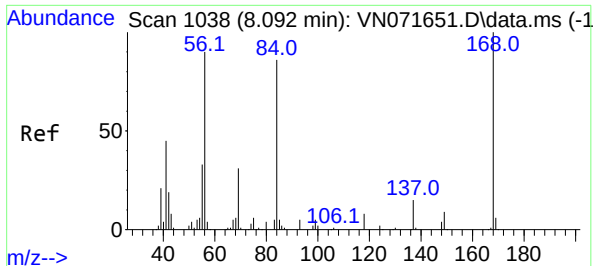
Tgt Ion: 73 Resp: 178261
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#22
Diisopropyl ether
Concen: 2.516 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 45 Resp: 46970
Ion Ratio Lower Upper
45 100
43 52.8 46.6 70.0
87 36.9 24.3 36.5#
59 11.9 9.6 14.4





#31

Cyclohexane

Concen: 3.821 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN071754.D

Acq: 01 Apr 2022 15:43

Instrument :

MSVOA_N

ClientSampleId :

MW-48

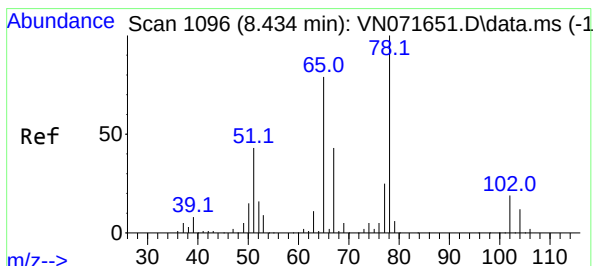
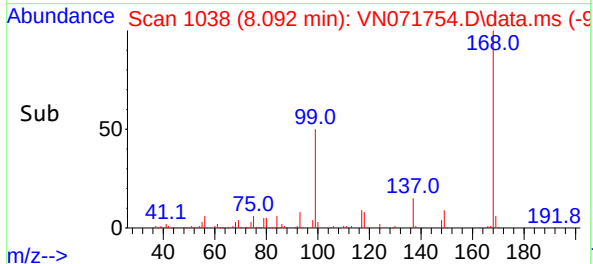
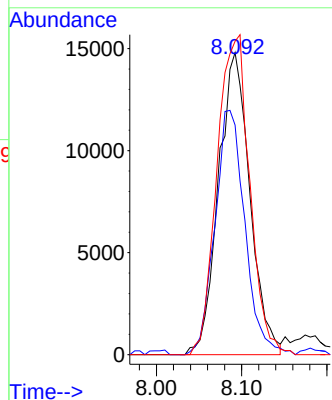
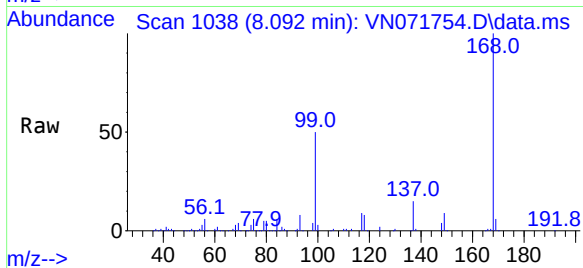
Tgt Ion: 56 Resp: 37975

Ion Ratio Lower Upper

56 100

69 76.0 27.8 41.8#

84 103.7 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 49.339 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071754.D

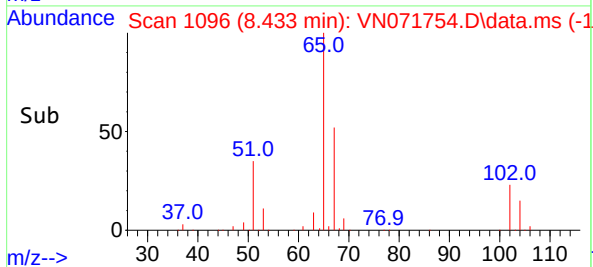
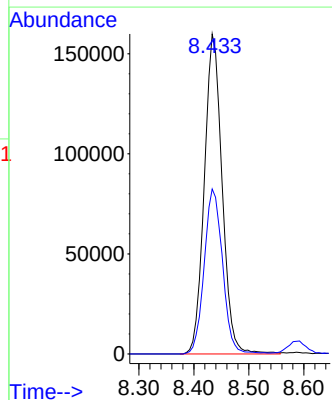
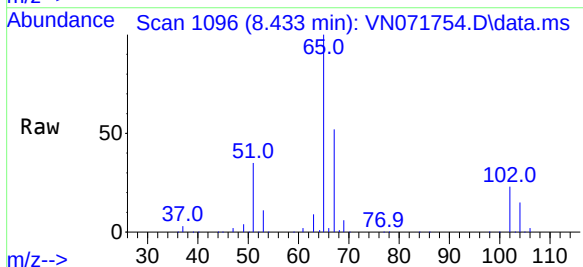
Acq: 01 Apr 2022 15:43

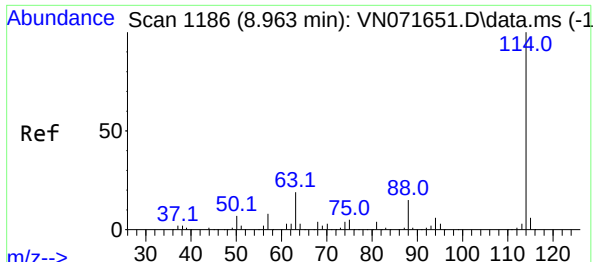
Tgt Ion: 65 Resp: 360544

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8

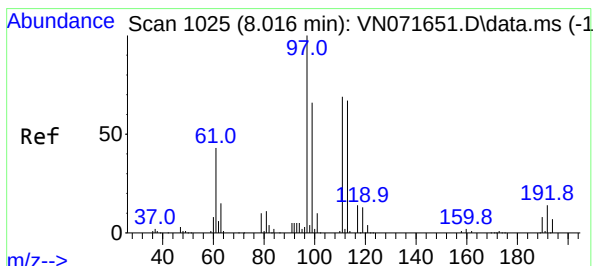
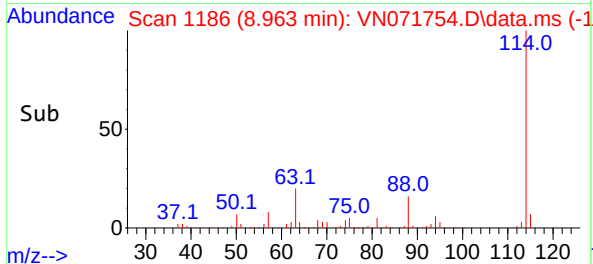
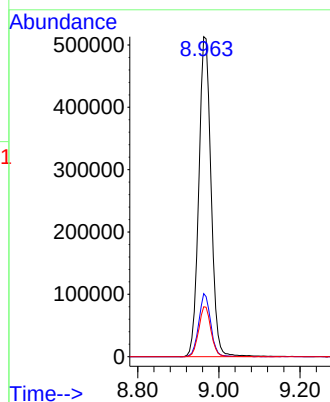
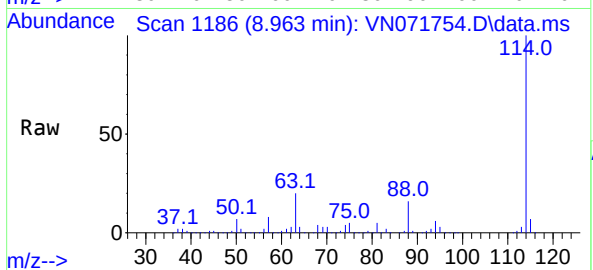




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

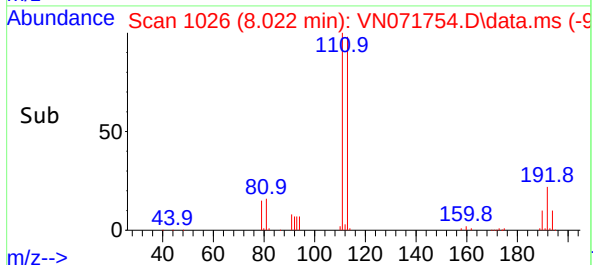
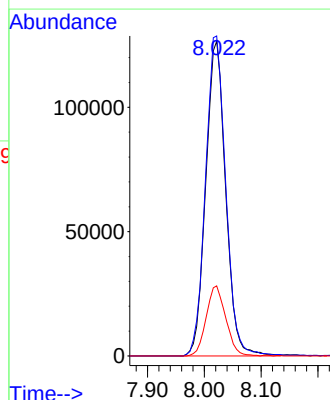
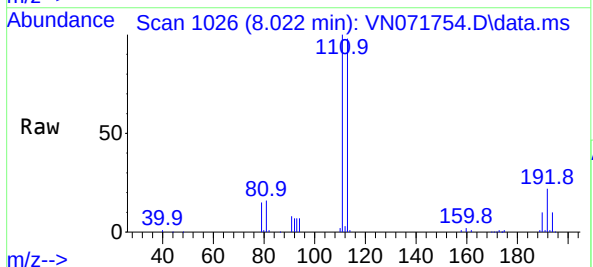
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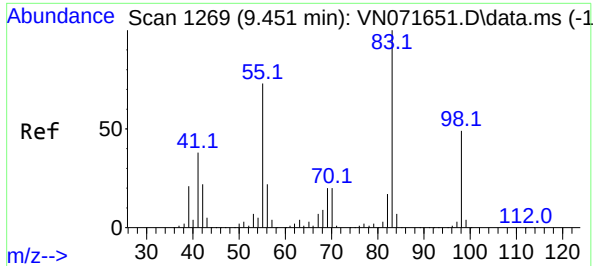
Tgt Ion:114 Resp: 1077418
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.476 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion:113 Resp: 307335
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 21.9 17.0 25.6



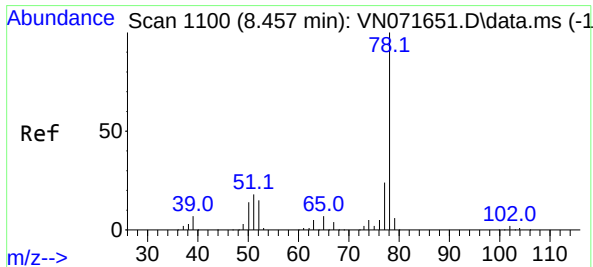
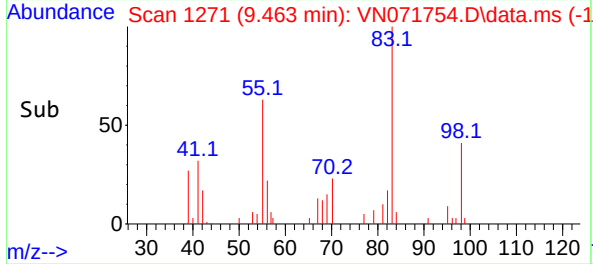
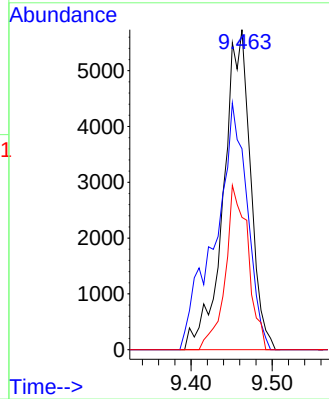
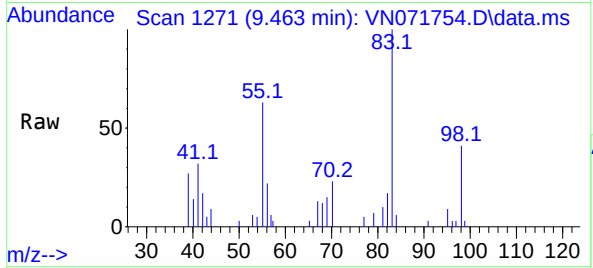


#39
Methylcyclohexane
Concen: 1.255 ug/l
RT: 9.463 min Scan# 1100
Delta R.T. 0.012 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :
MW-48

Tgt Ion: 83 Resp: 13228

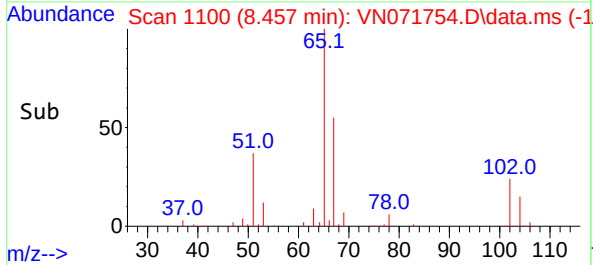
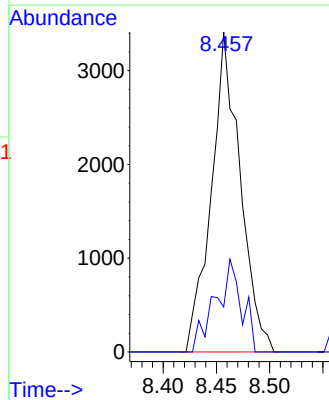
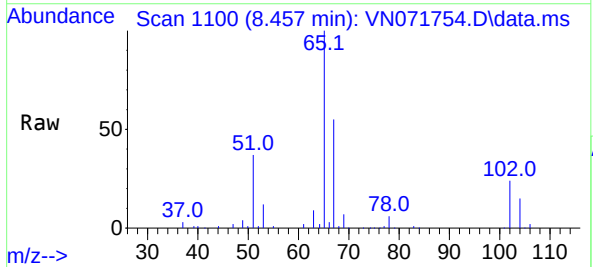
Ion	Ratio	Lower	Upper
83	100		
55	62.8	57.8	86.8
98	41.3	39.4	59.2

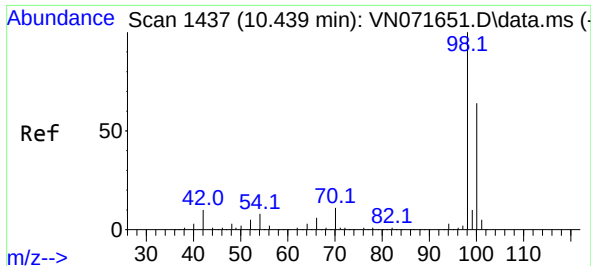


#40
Benzene
Concen: 0.230 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 78 Resp: 6446

Ion	Ratio	Lower	Upper
78	100		
77	14.1	19.4	29.0#

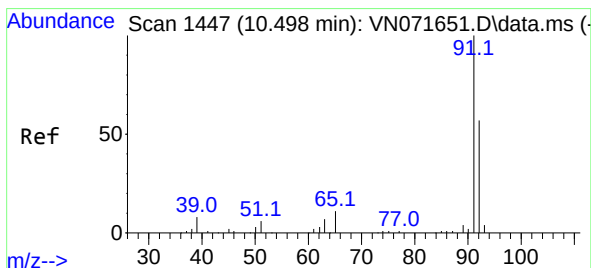
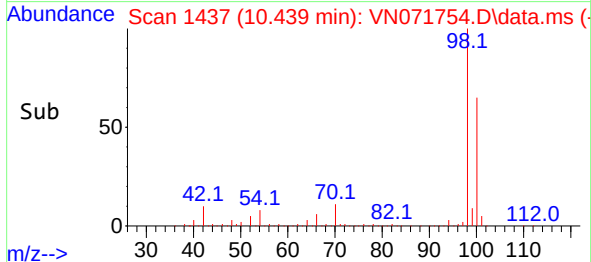
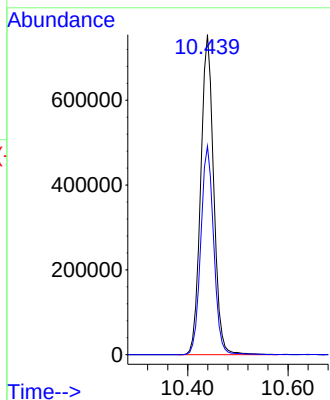
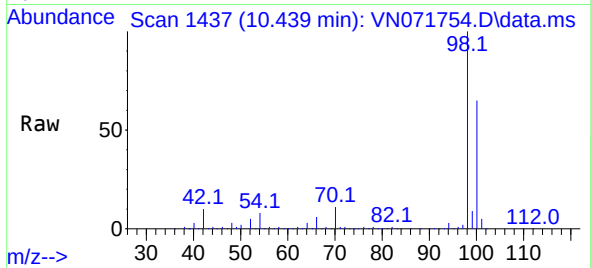




#50
Toluene-d8
Concen: 52.288 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

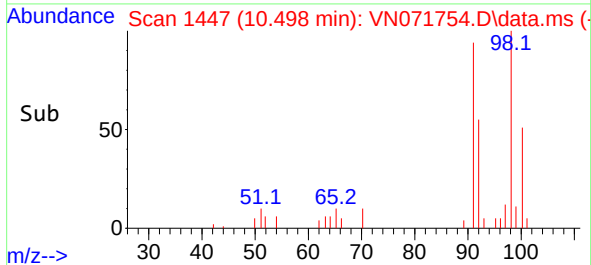
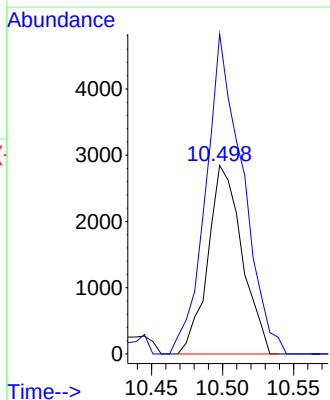
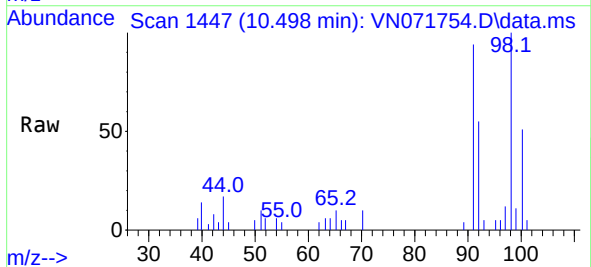
Instrument :
MSVOA_N
ClientSampleId :
MW-48

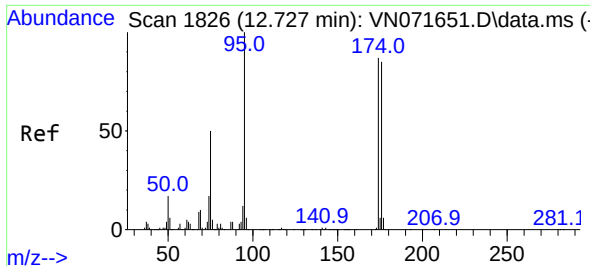
Tgt Ion: 98 Resp: 1356122
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#52
Toluene
Concen: 0.269 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 92 Resp: 4753
Ion Ratio Lower Upper
92 100
91 183.0 138.6 207.8

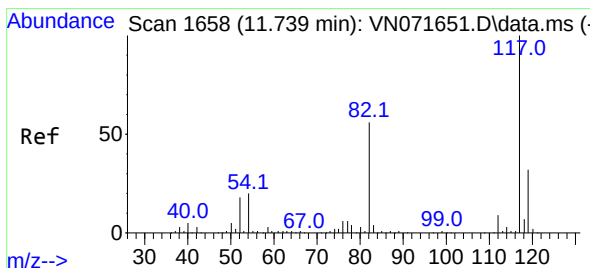
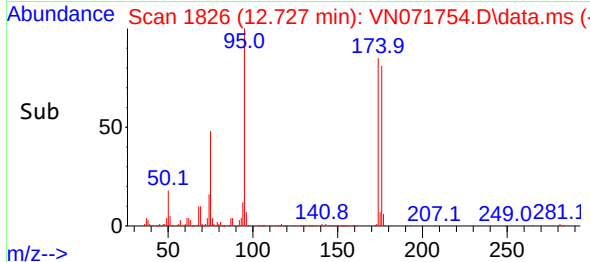
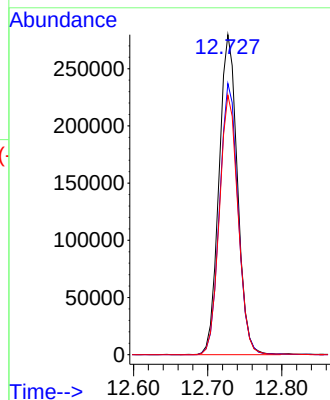
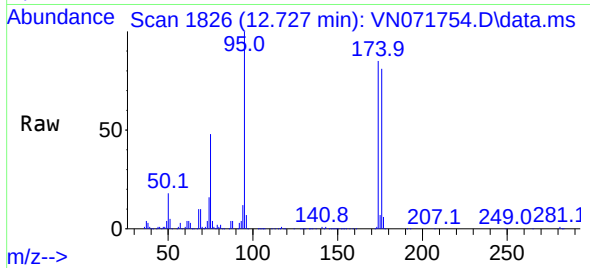




#62
4-Bromofluorobenzene
Concen: 57.612 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

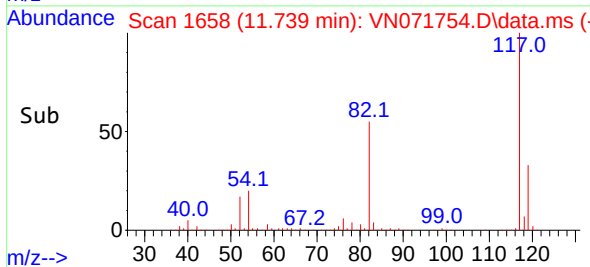
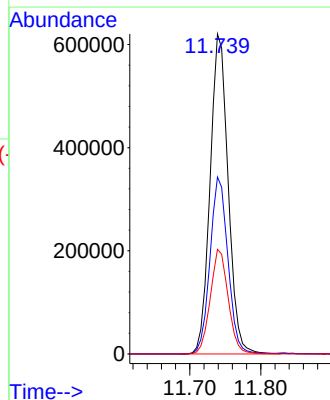
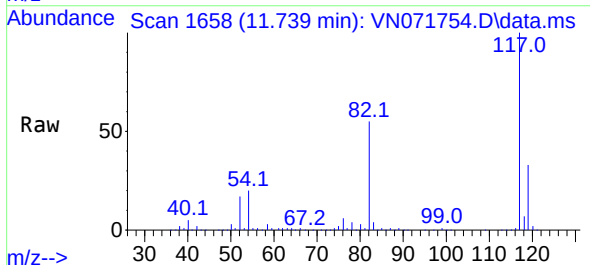
Instrument :
MSVOA_N
ClientSampleId :
MW-48

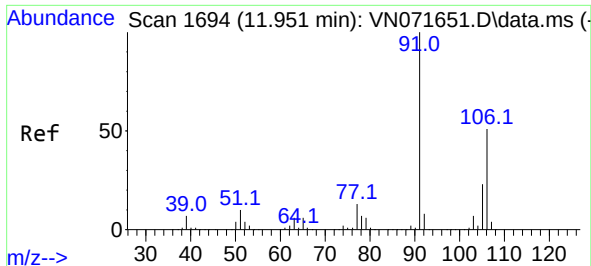
Tgt Ion: 95 Resp: 483243
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.6
176 82.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 117 Resp: 1093403
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.7 25.4 38.0

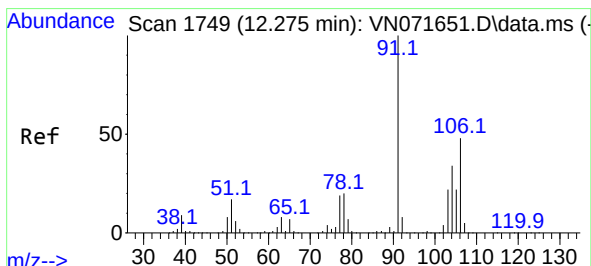
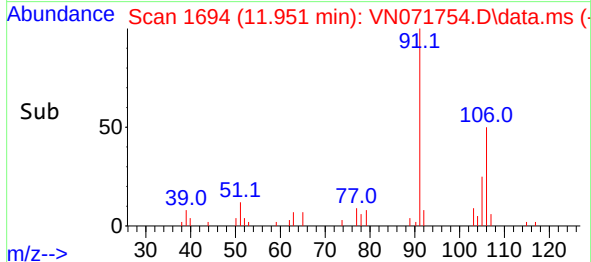
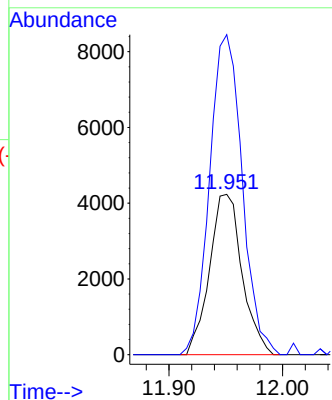
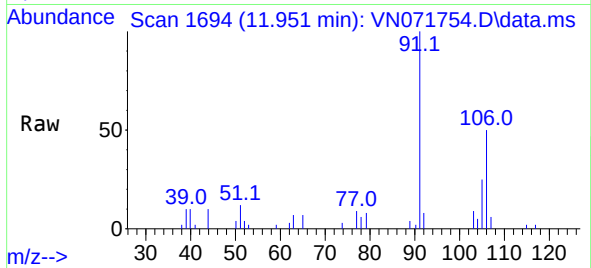




#68
m/p-Xylenes
Concen: 0.593 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

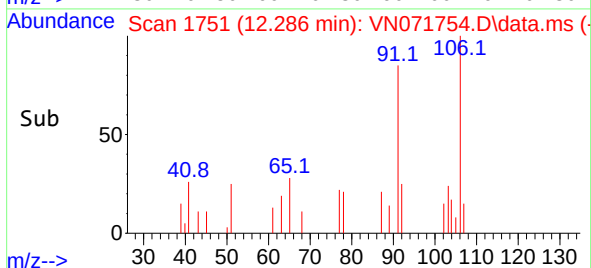
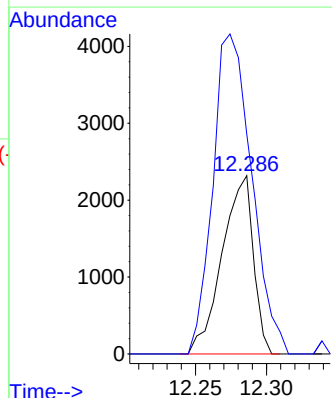
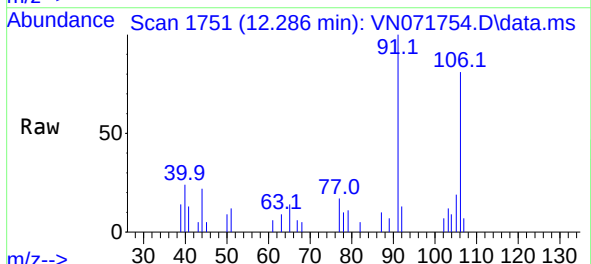
Instrument :
MSVOA_N
ClientSampleId :
MW-48

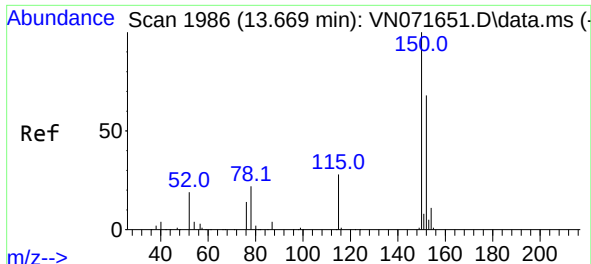
Tgt Ion:106 Resp: 8442
Ion Ratio Lower Upper
106 100
91 199.4 158.9 238.3



#69
o-Xylene
Concen: 0.250 ug/l
RT: 12.286 min Scan# 1751
Delta R.T. 0.011 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion:106 Resp: 3540
Ion Ratio Lower Upper
106 100
91 223.4 106.0 318.0

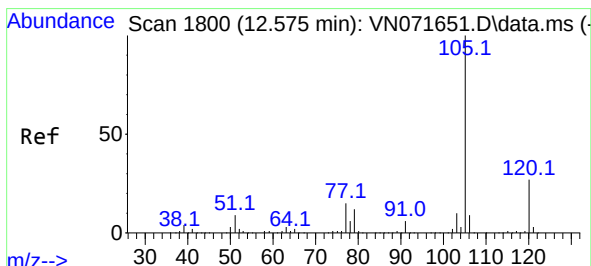
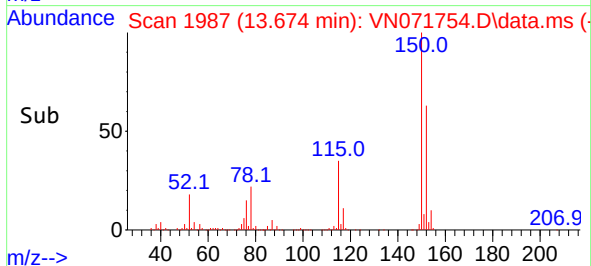
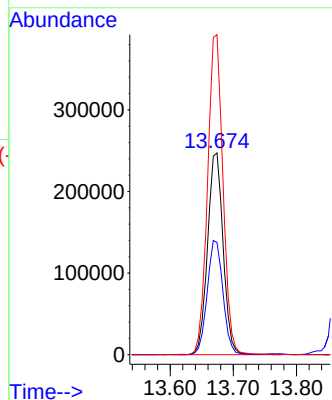
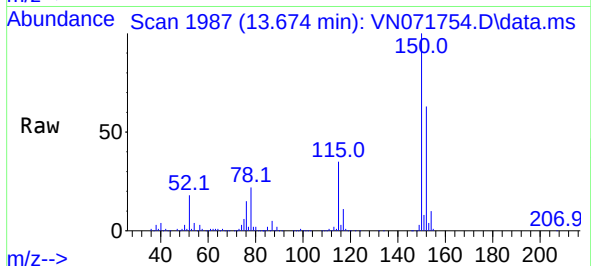




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

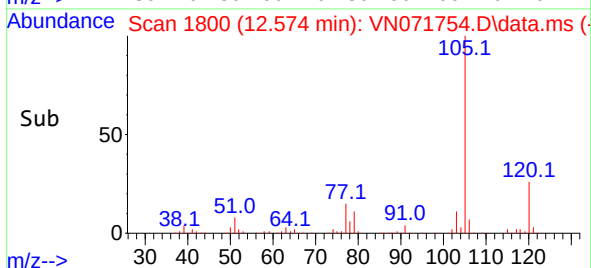
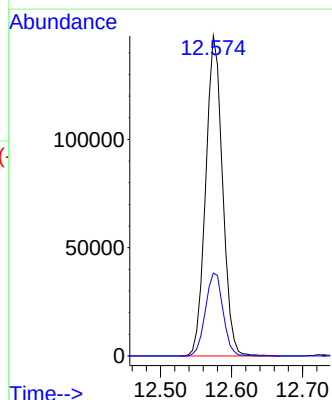
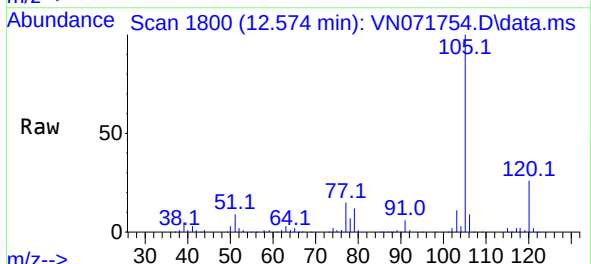
Instrument :
MSVOA_N
ClientSampleId :
MW-48

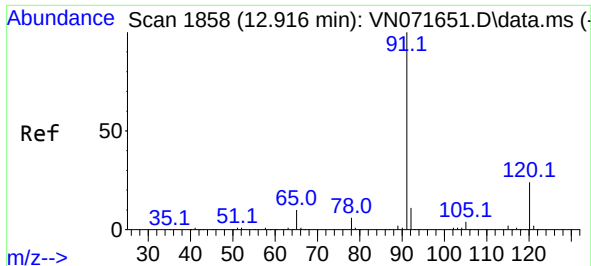
Tgt Ion:152 Resp: 422329
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.3 0.0 356.2



#73
Isopropylbenzene
Concen: 6.855 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion:105 Resp: 243966
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

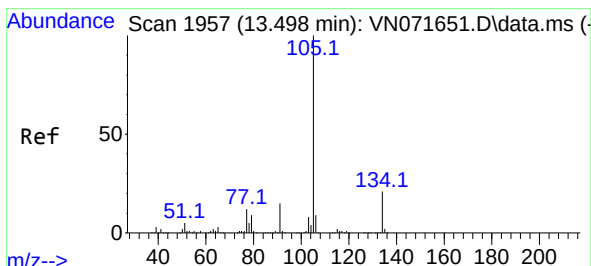
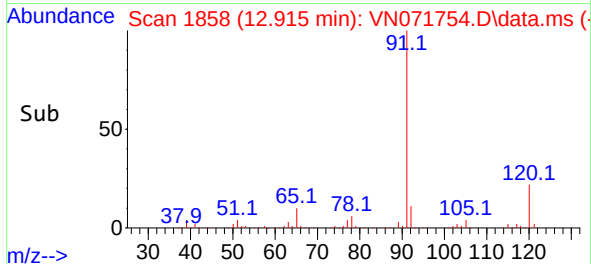
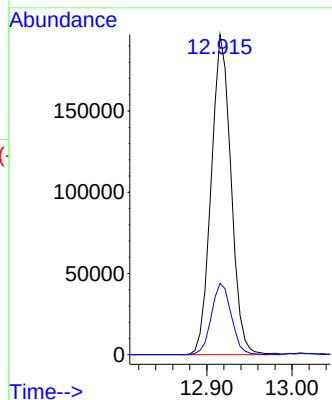
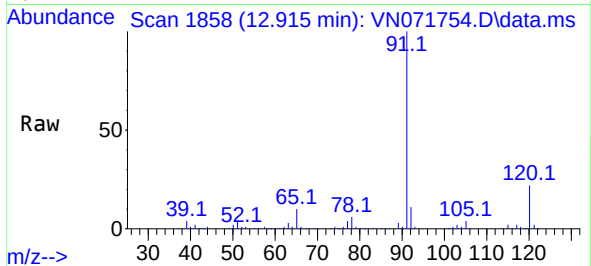




#78
n-propylbenzene
Concen: 8.493 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

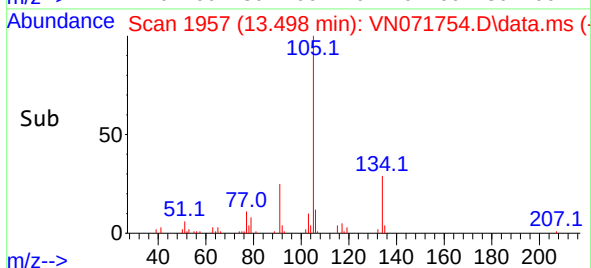
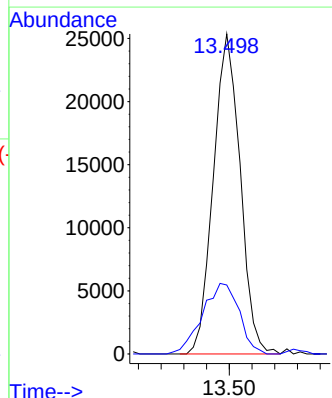
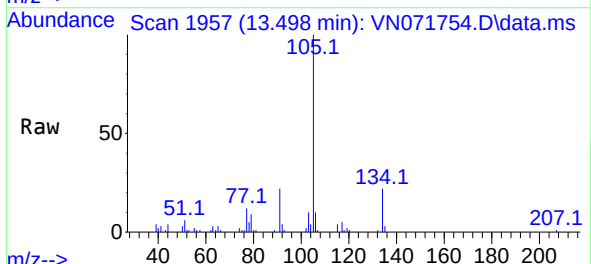
Instrument :
MSVOA_N
ClientSampleId :
MW-48

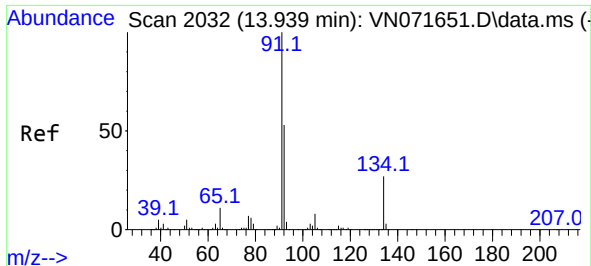
Tgt Ion: 91 Resp: 317954
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.5



#85
sec-Butylbenzene
Concen: 1.244 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN071754.D
Acq: 01 Apr 2022 15:43

Tgt Ion: 105 Resp: 41553
Ion Ratio Lower Upper
105 100
134 30.2 10.4 31.1





#89

n-Butylbenzene

Concen: 0.660 ug/l

RT: 13.939 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN071754.D

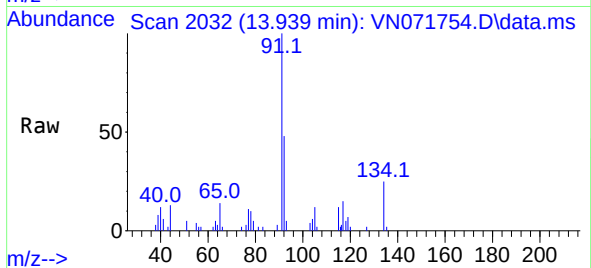
Acq: 01 Apr 2022 15:43

Instrument :

MSVOA_N

ClientSampleId :

MW-48



Tgt Ion: 91 Resp: 13037

Ion Ratio Lower Upper

91 100

92 51.5 26.9 80.7

134 0.0 13.6 40.8#

