

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073977.D
 Acq On : 17 Aug 2022 15:33
 Operator : JC\MD
 Sample : N4204-23DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: Aug 18 00:46:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

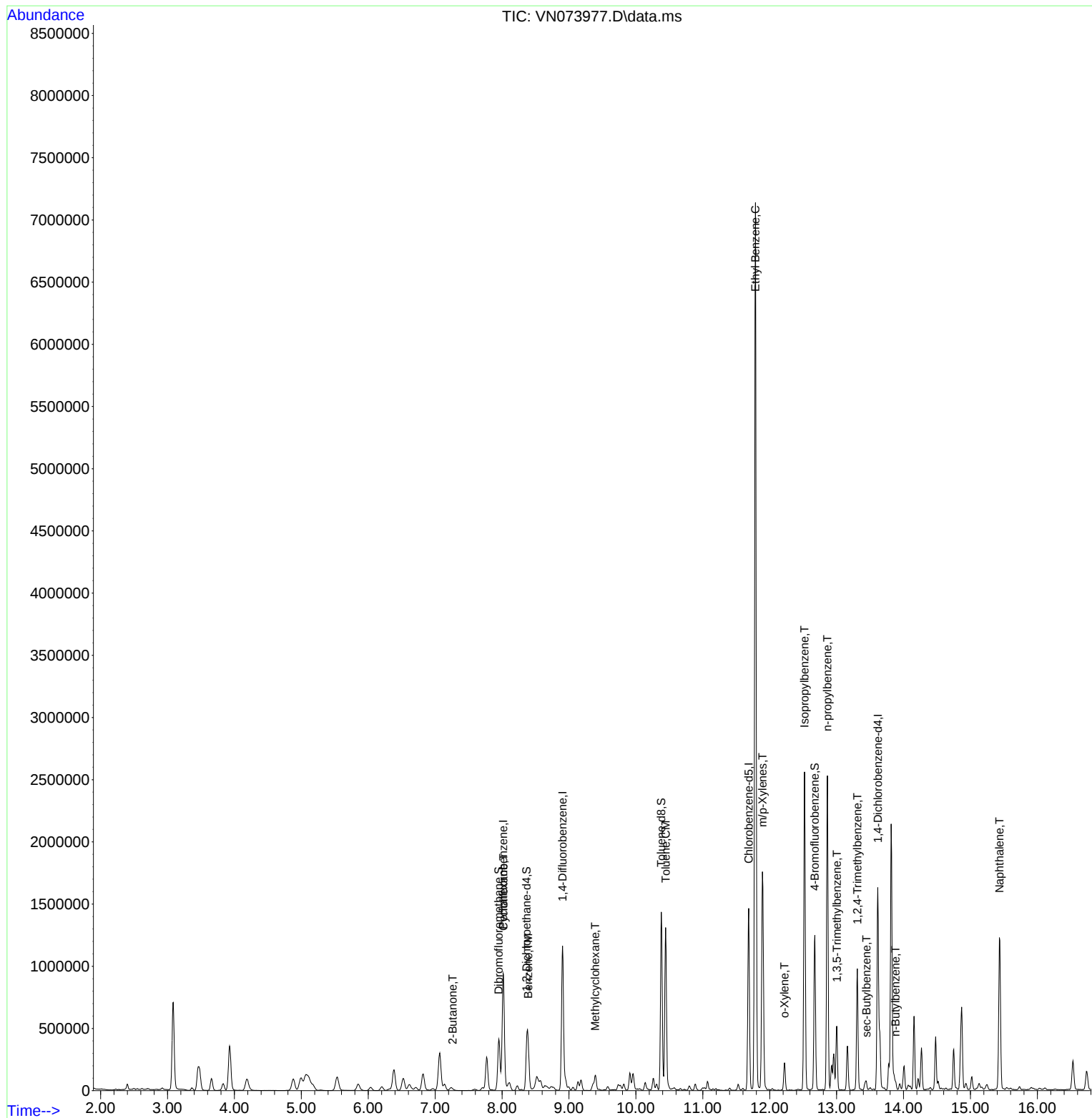
Internal Standards						
1) Pentafluorobenzene	8.016	168	667553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	962846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	888511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	472822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	308983	47.522	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.040%		
35) Dibromofluoromethane	7.951	113	303278	53.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.520%		
50) Toluene-d8	10.380	98	1011278	45.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.720%		
62) 4-Bromofluorobenzene	12.674	95	418670	57.203	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.400%		
Target Compounds					Qvalue	
25) 2-Butanone	7.263	43	10687	2.197	ug/l	97
31) Cyclohexane	8.022	56	109615	12.094	ug/l #	85
39) Methylcyclohexane	9.392	83	53328	5.381	ug/l	97
40) Benzene	8.392	78	261680	10.483	ug/l	98
52) Toluene	10.445	92	589735	34.453	ug/l	100
67) Ethyl Benzene	11.786	91	5172760	164.720	ug/l	97
68) m/p-Xylenes	11.892	106	612339	47.991	ug/l	99
69) o-Xylene	12.221	106	64569	5.046	ug/l	99
73) Isopropylbenzene	12.521	105	1715706	49.833	ug/l	99
78) n-propylbenzene	12.862	91	1992485	54.291	ug/l	99
80) 1,3,5-Trimethylbenzene	13.004	105	277803	9.920	ug/l	94
84) 1,2,4-Trimethylbenzene	13.310	105	554477	19.827	ug/l	99
85) sec-Butylbenzene	13.445	105	45871	1.373	ug/l #	67
89) n-Butylbenzene	13.880	91	33941	1.506	ug/l #	79
95) Naphthalene	15.433	128	1159851	35.025	ug/l	100

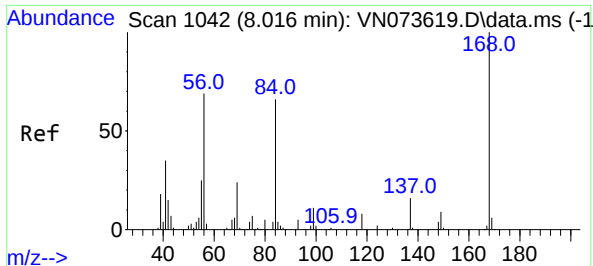
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

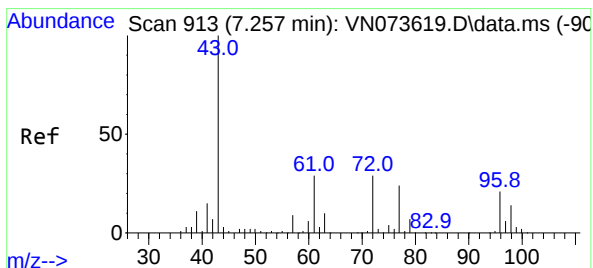
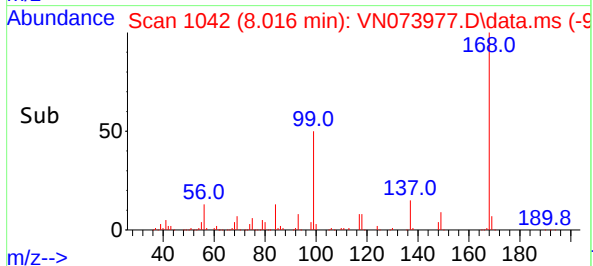
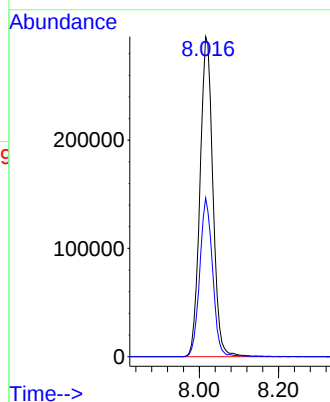
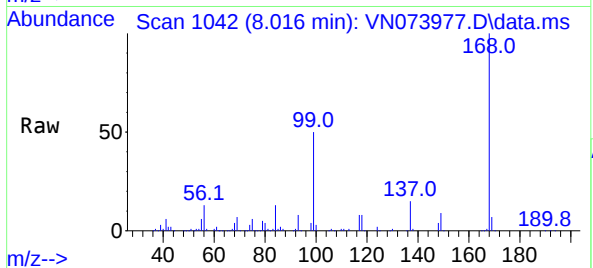




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

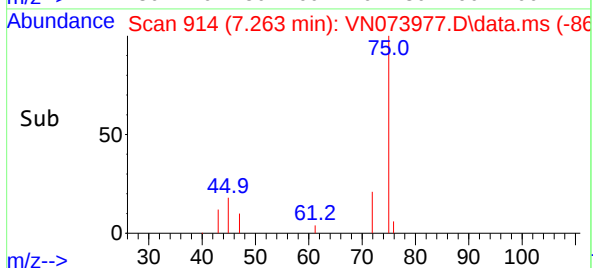
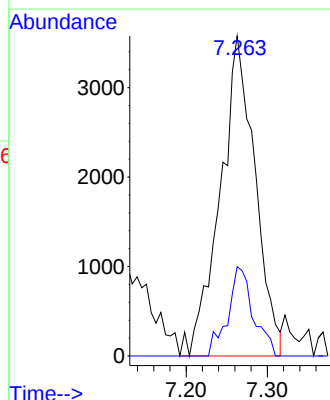
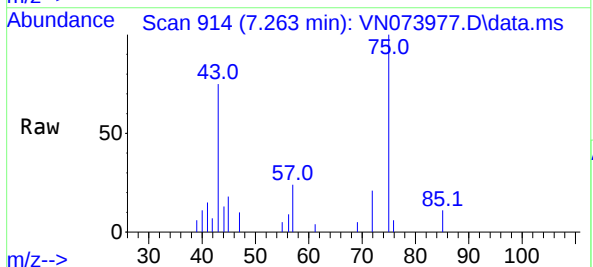
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MSVOA_N
ClientSampleId :
MW-3DL

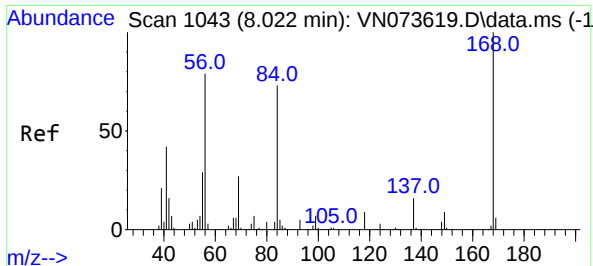
Tgt Ion:168 Resp: 667553
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#25
2-Butanone
Concen: 2.197 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 43 Resp: 10687
Ion Ratio Lower Upper
43 100
72 27.9 23.7 35.5

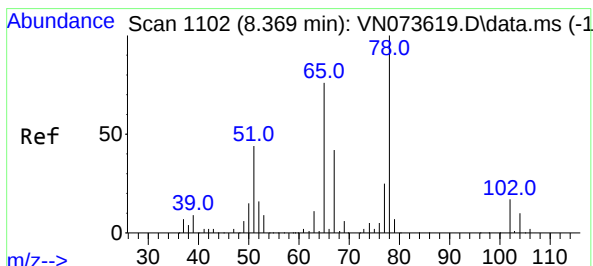
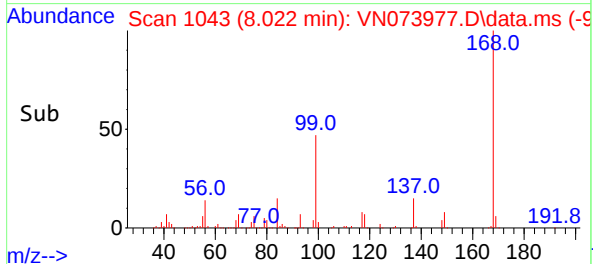
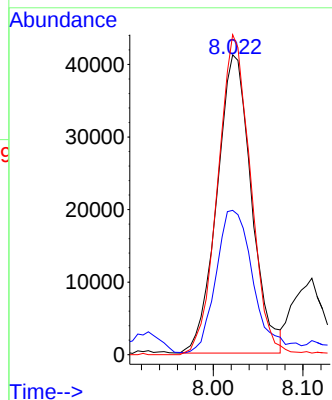
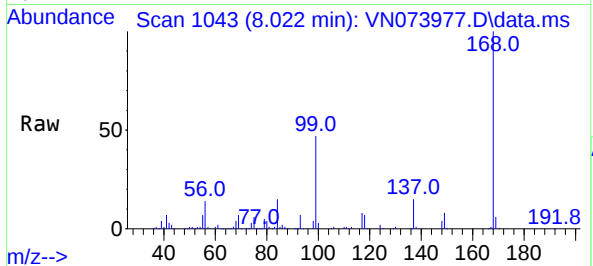




#31
Cyclohexane
Concen: 12.094 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

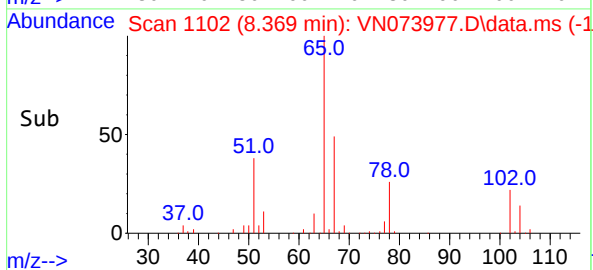
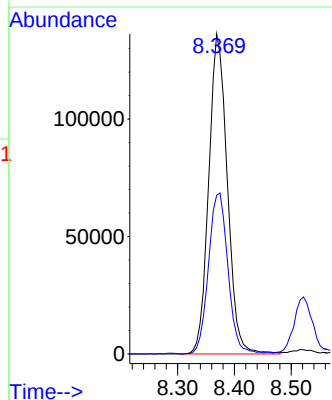
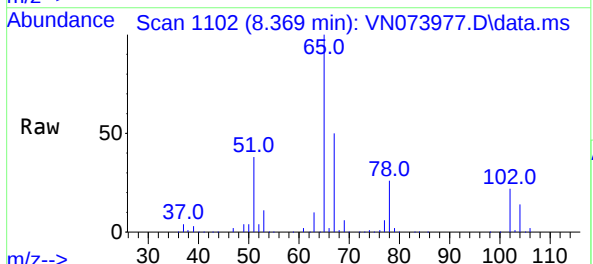
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

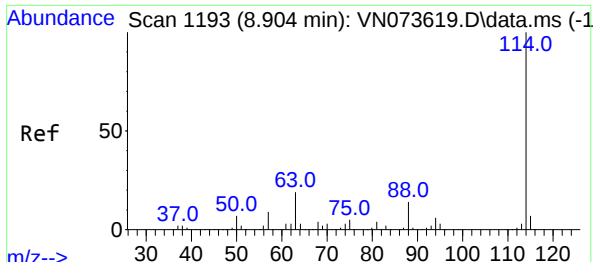
Tgt Ion: 56 Resp: 109615
Ion Ratio Lower Upper
56 100
69 47.9 27.8 41.8#
84 107.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 47.522 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

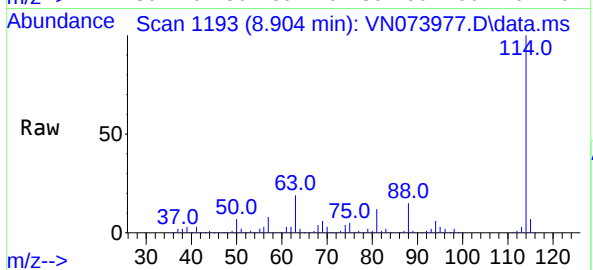
Tgt Ion: 65 Resp: 308983
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8



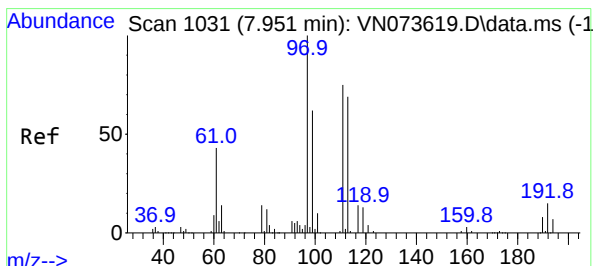
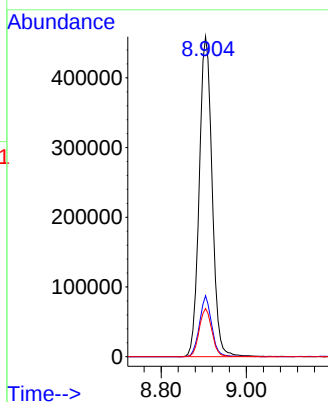
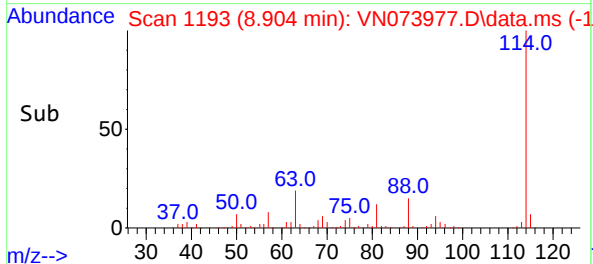


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

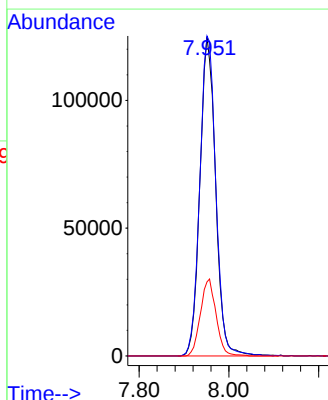
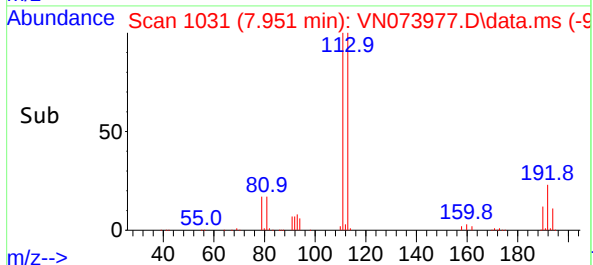
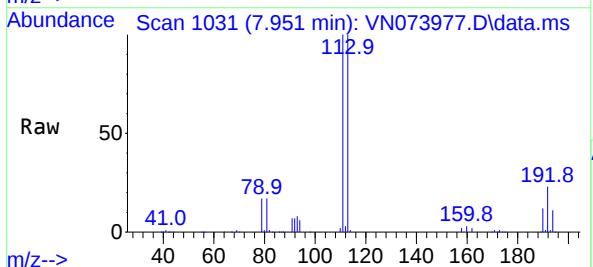


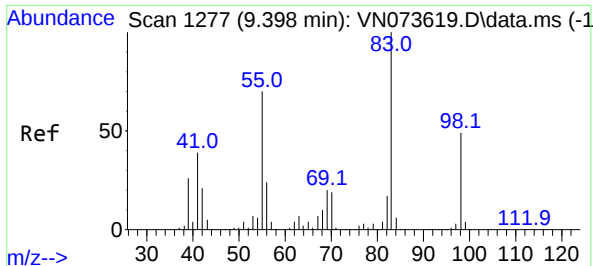
Tgt Ion:114 Resp: 962846
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.0
88 15.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.261 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion:113 Resp: 303278
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.0 17.0 25.6

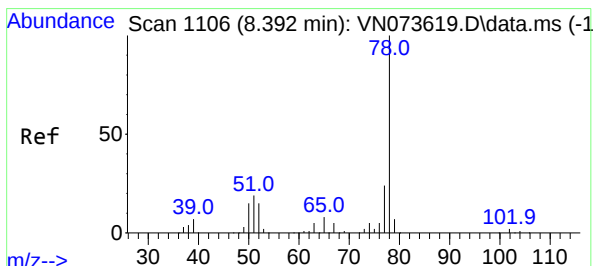
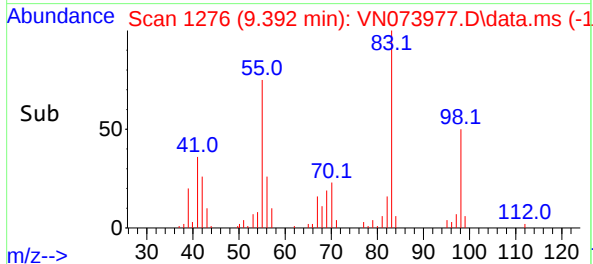
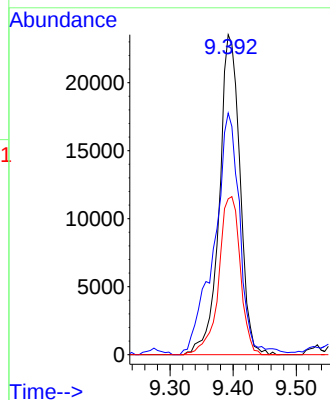
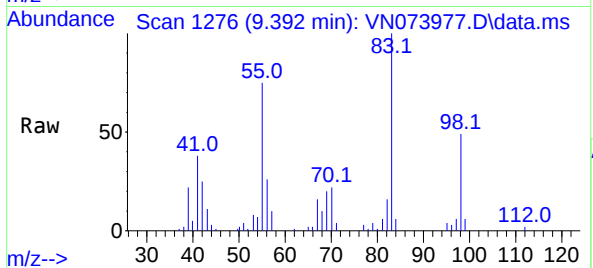




#39
Methylcyclohexane
Concen: 5.381 ug/l
RT: 9.392 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

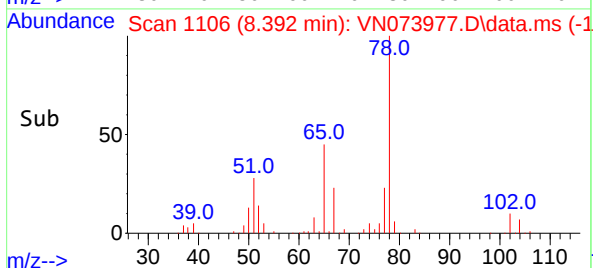
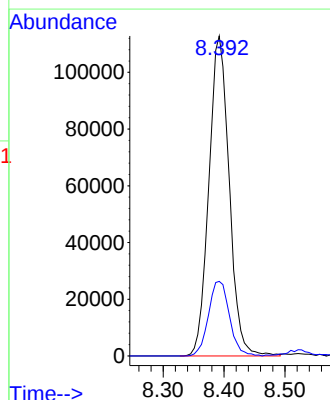
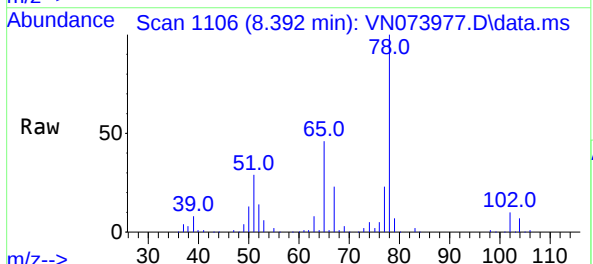
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

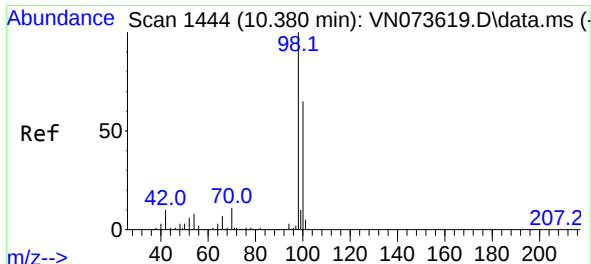
Tgt Ion: 83 Resp: 53328
Ion Ratio Lower Upper
83 100
55 75.5 57.8 86.8
98 48.7 39.4 59.2



#40
Benzene
Concen: 10.483 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 78 Resp: 261680
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

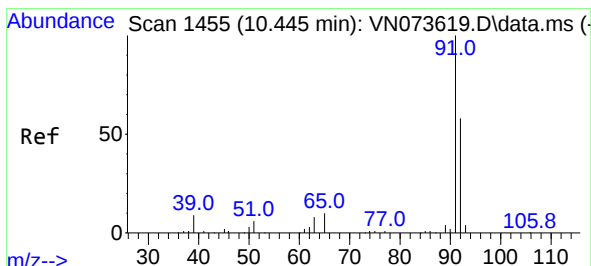
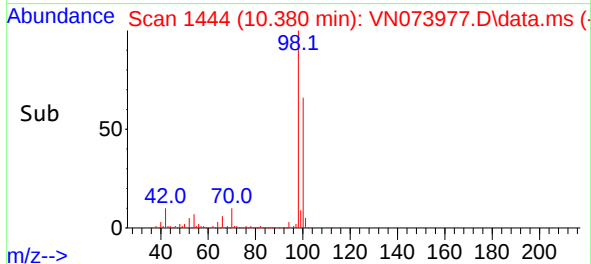
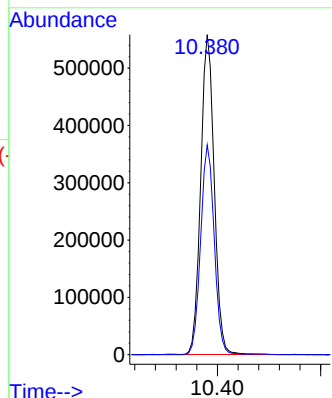
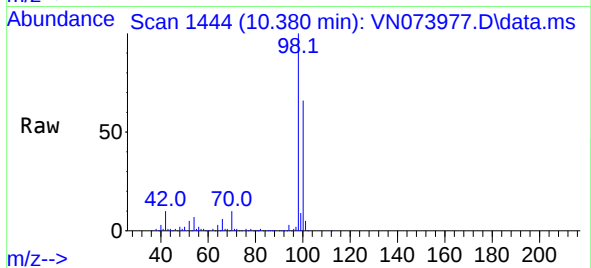




#50
Toluene-d8
Concen: 45.857 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

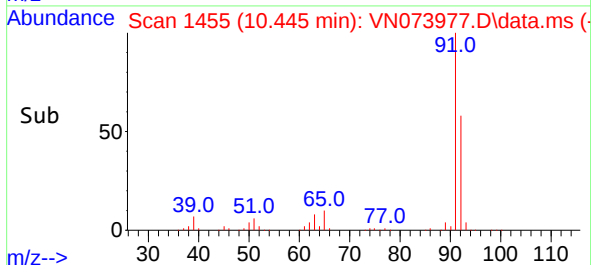
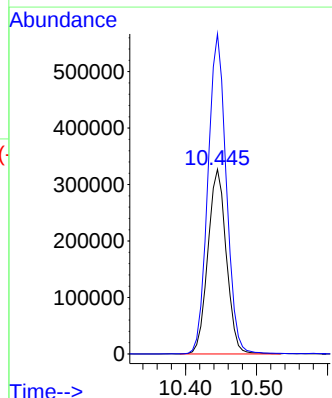
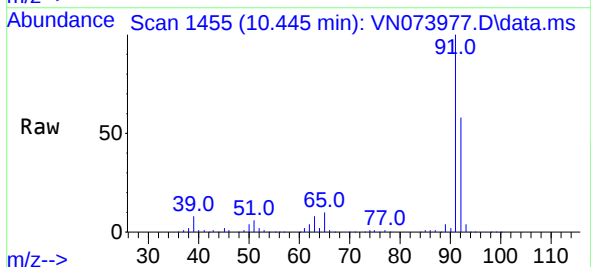
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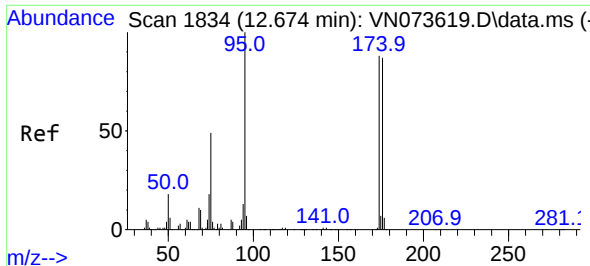
Tgt Ion: 98 Resp: 1011278
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#52
Toluene
Concen: 34.453 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 92 Resp: 589735
Ion Ratio Lower Upper
92 100
91 173.0 138.6 207.8

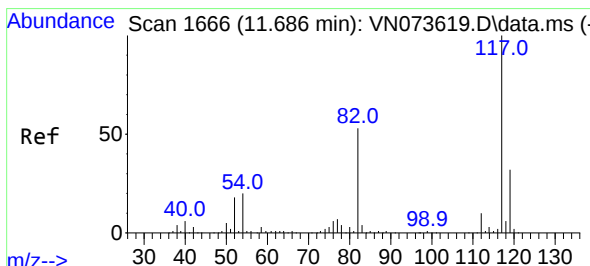
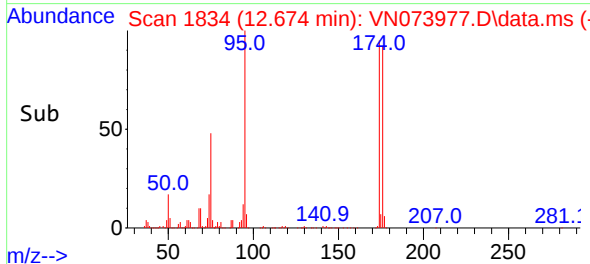
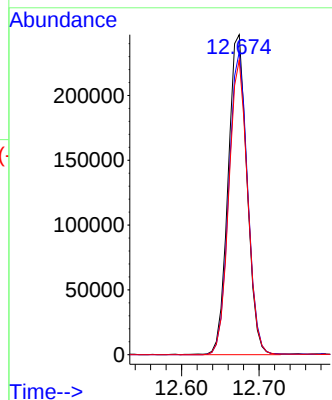
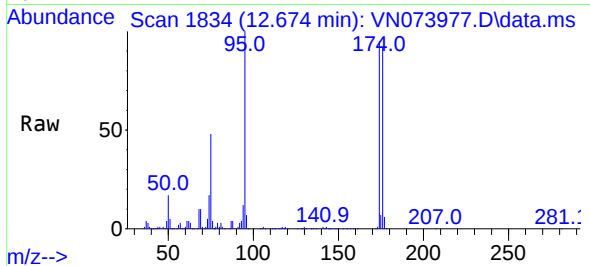




#62
4-Bromofluorobenzene
Concen: 57.203 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

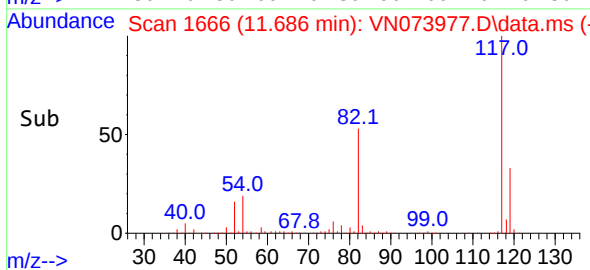
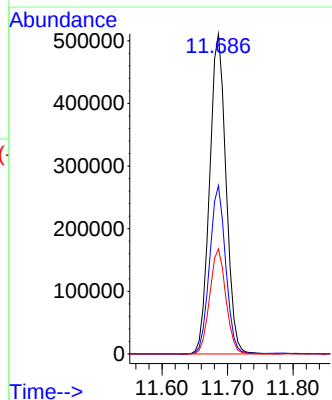
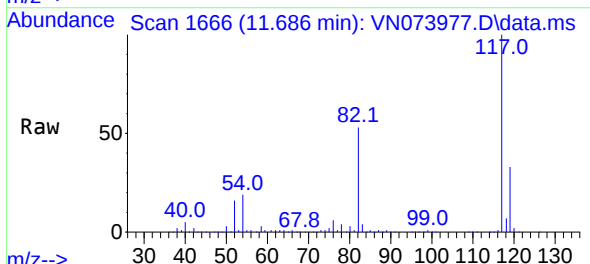
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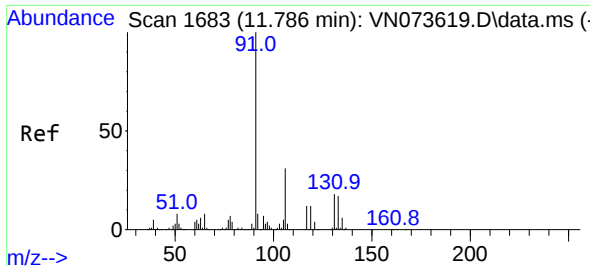
Tgt Ion: 95 Resp: 418670
Ion Ratio Lower Upper
95 100
174 94.3 0.0 167.6
176 91.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 117 Resp: 888511
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.8 25.4 38.0

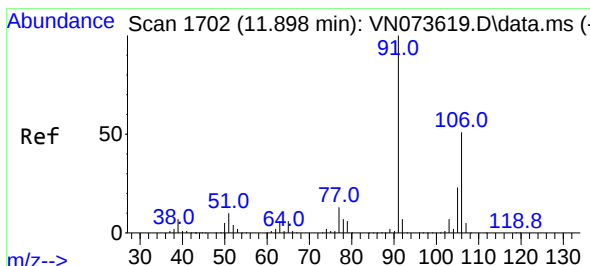
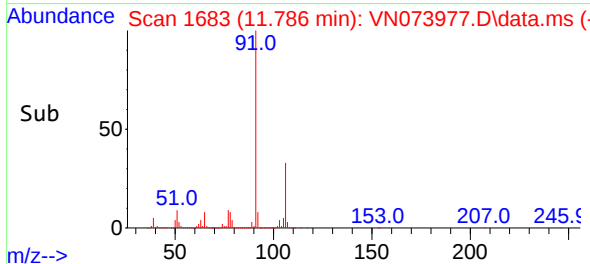
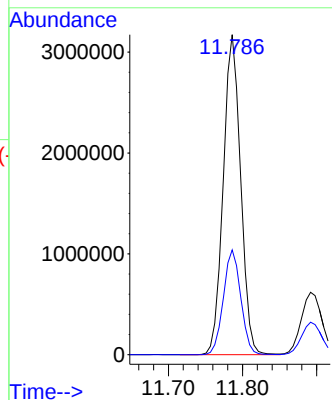
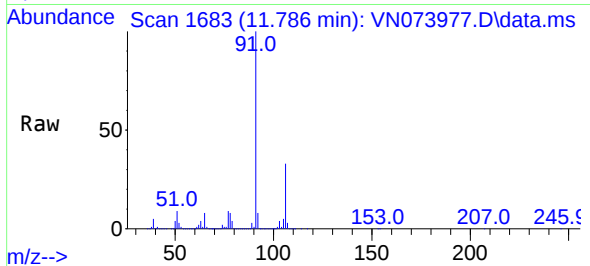




#67
Ethyl Benzene
Concen: 164.720 ug/l
RT: 11.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

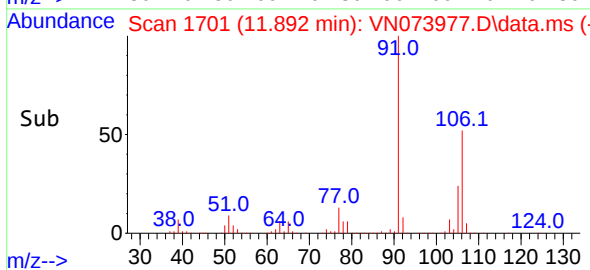
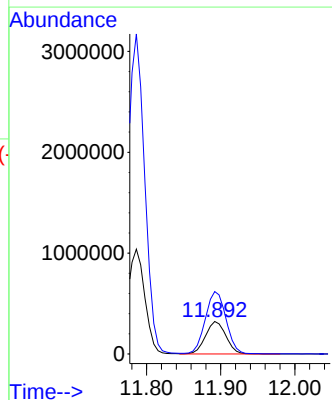
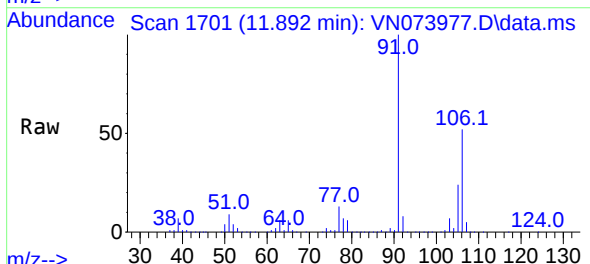
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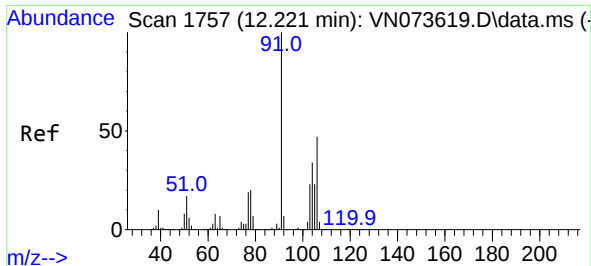
Tgt Ion: 91 Resp: 5172760
Ion Ratio Lower Upper
91 100
106 32.8 24.9 37.3



#68
m/p-Xylenes
Concen: 47.991 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 106 Resp: 612339
Ion Ratio Lower Upper
106 100
91 196.6 158.9 238.3





#69

o-Xylene

Concen: 5.046 ug/l

RT: 12.221 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073977.D

Acq: 17 Aug 2022 15:33

Instrument :

MSVOA_N

ClientSampleId :

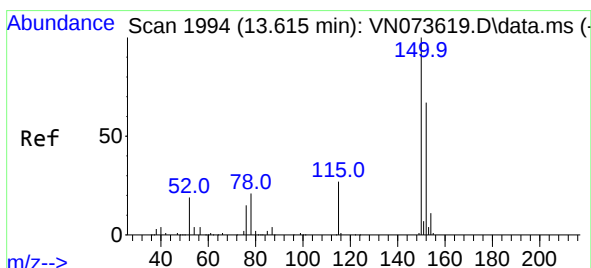
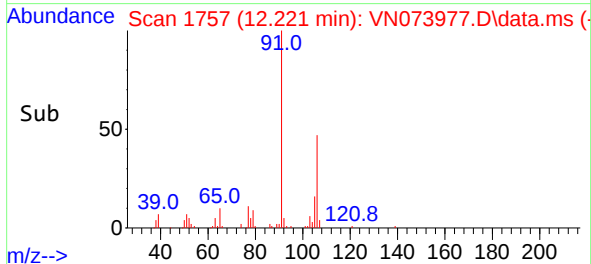
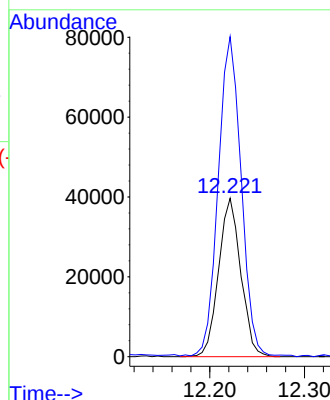
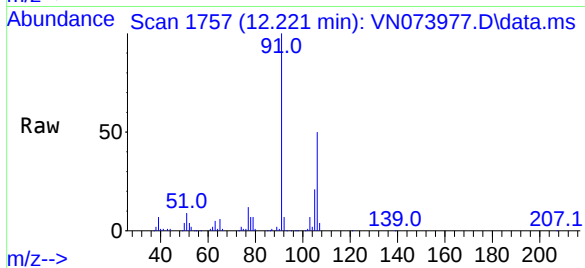
MW-3DL

Tgt Ion:106 Resp: 64569

Ion Ratio Lower Upper

106 100

91 210.0 106.0 318.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073977.D

Acq: 17 Aug 2022 15:33

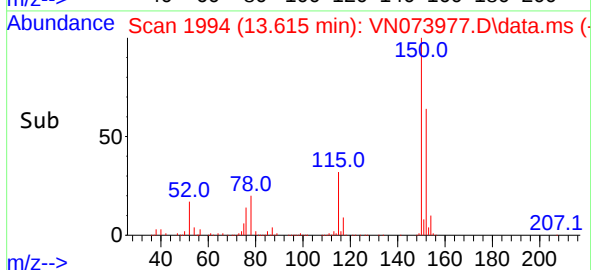
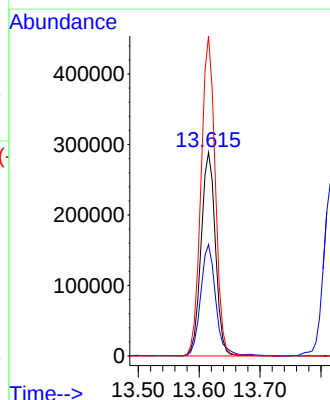
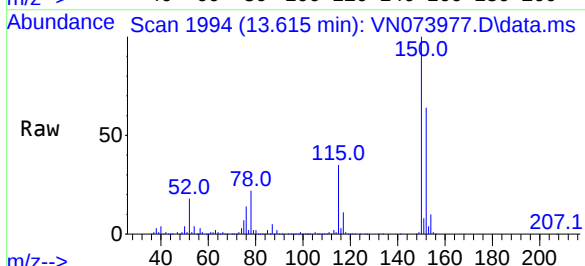
Tgt Ion:152 Resp: 472822

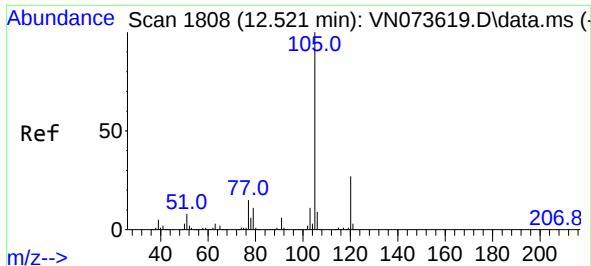
Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 155.6 0.0 356.2

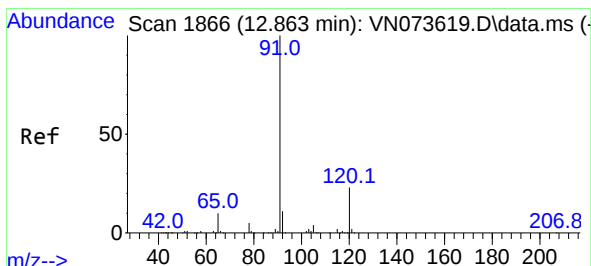
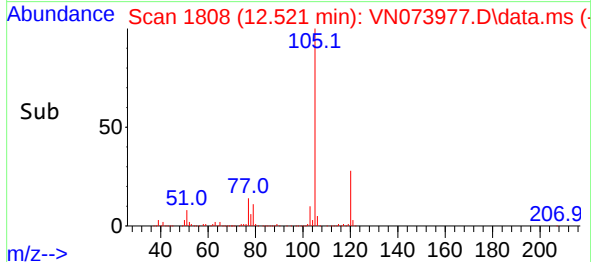
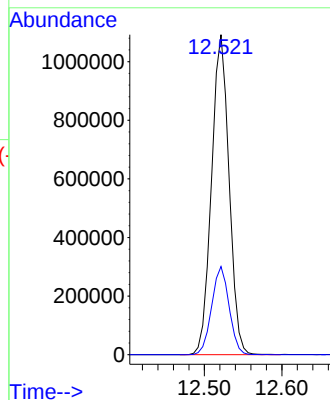
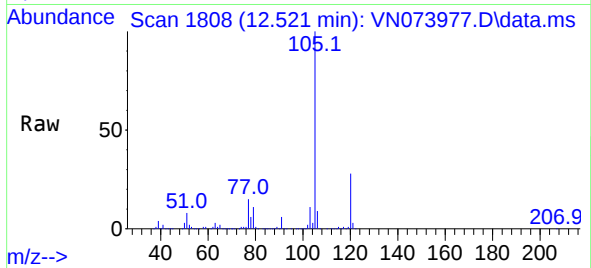




#73
Isopropylbenzene
Concen: 49.833 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

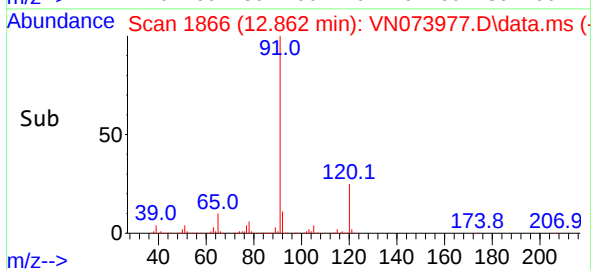
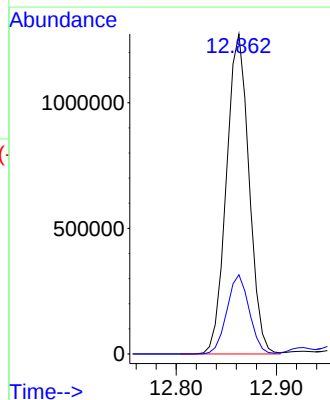
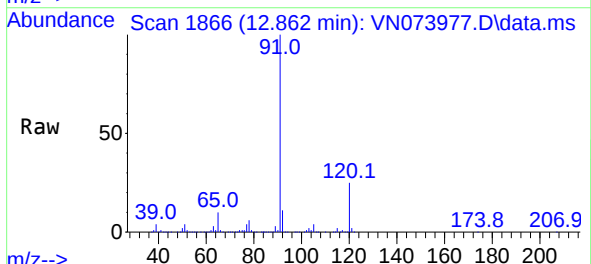
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

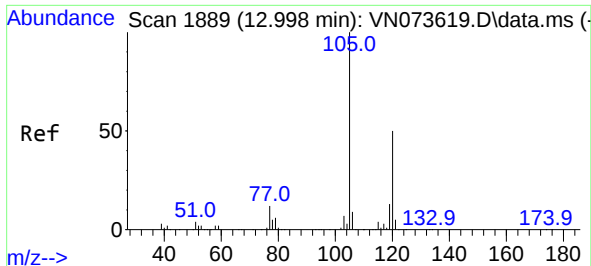
Tgt Ion:105 Resp: 1715706
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.4



#78
n-propylbenzene
Concen: 54.291 ug/l
RT: 12.862 min Scan# 1866
Delta R.T. -0.001 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion: 91 Resp: 1992485
Ion Ratio Lower Upper
91 100
120 24.4 11.9 35.5

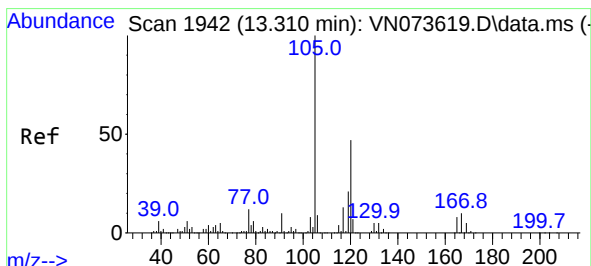
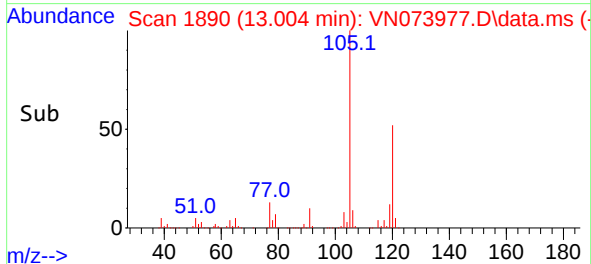
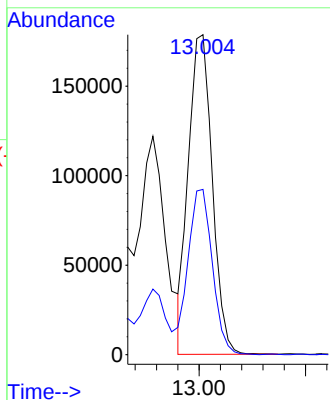
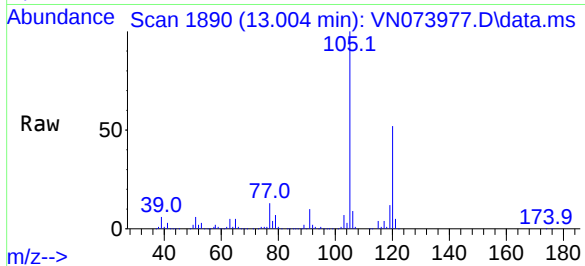




#80
1,3,5-Trimethylbenzene
Concen: 9.920 ug/l
RT: 13.004 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

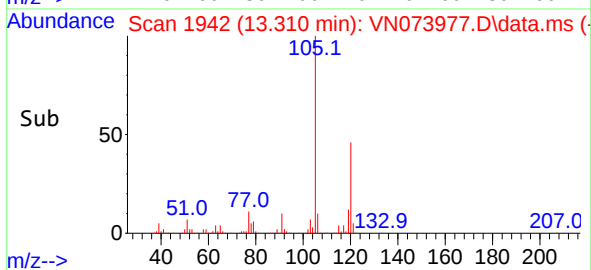
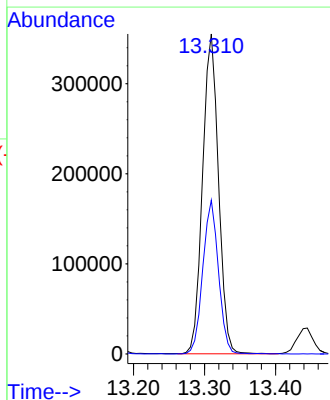
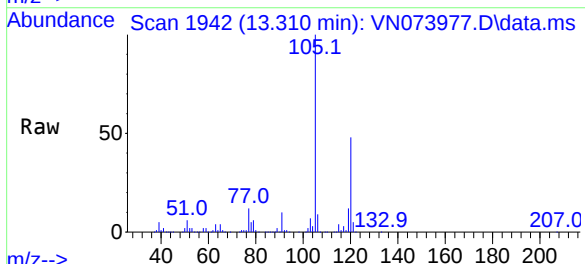
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

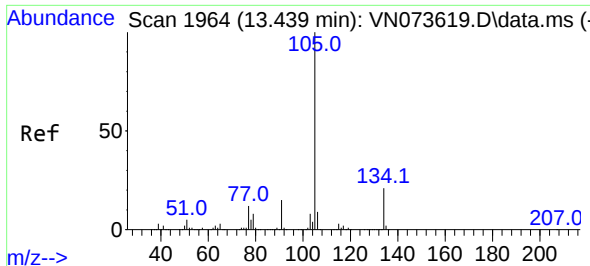
Tgt Ion:105 Resp: 277803
Ion Ratio Lower Upper
105 100
120 53.6 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 19.827 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.001 min
Lab File: VN073977.D
Acq: 17 Aug 2022 15:33

Tgt Ion:105 Resp: 554477
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.8

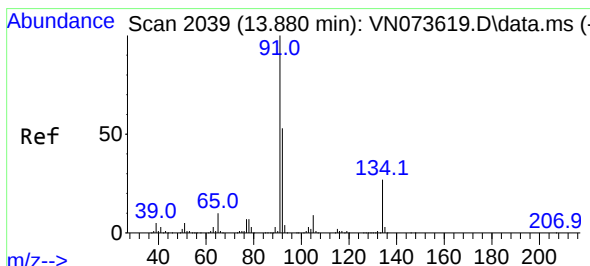
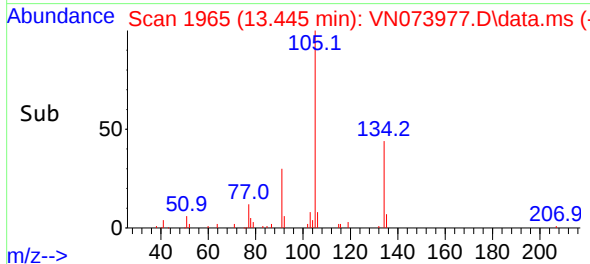
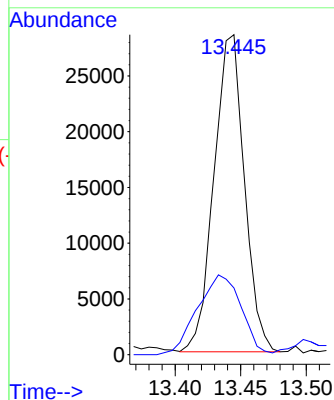
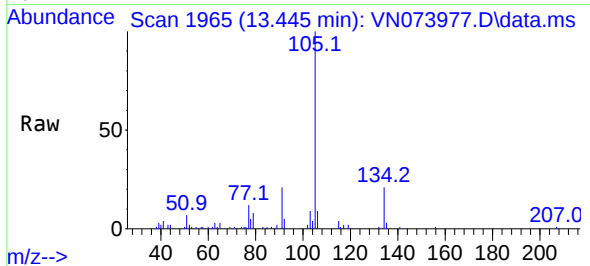




#85
 sec-Butylbenzene
 Concen: 1.373 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073977.D
 Acq: 17 Aug 2022 15:33

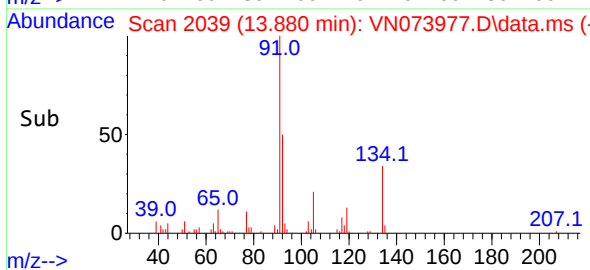
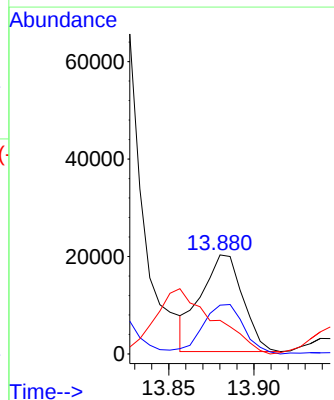
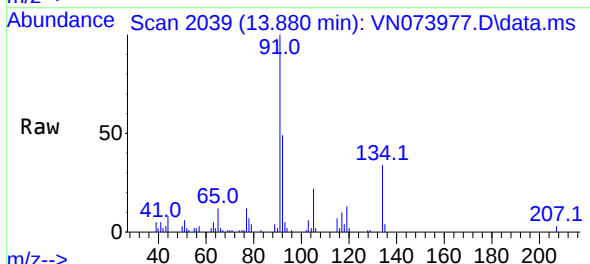
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

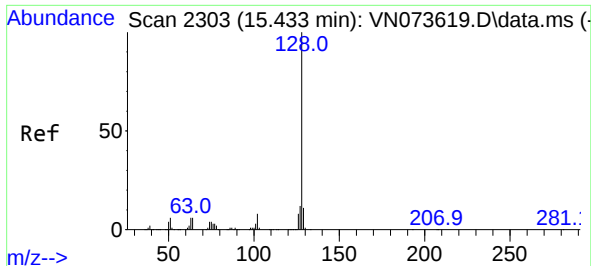
Tgt Ion:105 Resp: 45871
 Ion Ratio Lower Upper
 105 100
 134 36.2 10.4 31.1#



#89
 n-Butylbenzene
 Concen: 1.506 ug/l
 RT: 13.880 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: VN073977.D
 Acq: 17 Aug 2022 15:33

Tgt Ion: 91 Resp: 33941
 Ion Ratio Lower Upper
 91 100
 92 50.1 26.9 80.7
 134 0.0 13.6 40.8#





#95

Naphthalene

Concen: 35.025 ug/l

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN073977.D

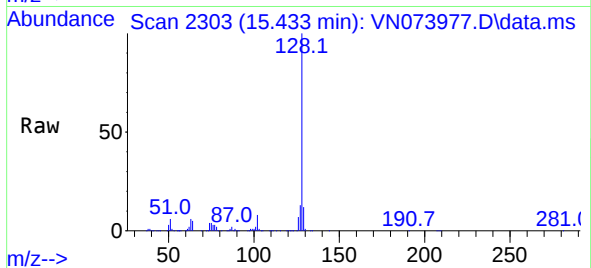
Acq: 17 Aug 2022 15:33

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL



Tgt Ion:128 Resp: 1159851

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.0 8.6 13.0

