

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074246.D
 Acq On : 01 Sep 2022 16:43
 Operator : JC\MD
 Sample : N4329-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Quant Time: Sep 02 05:39:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

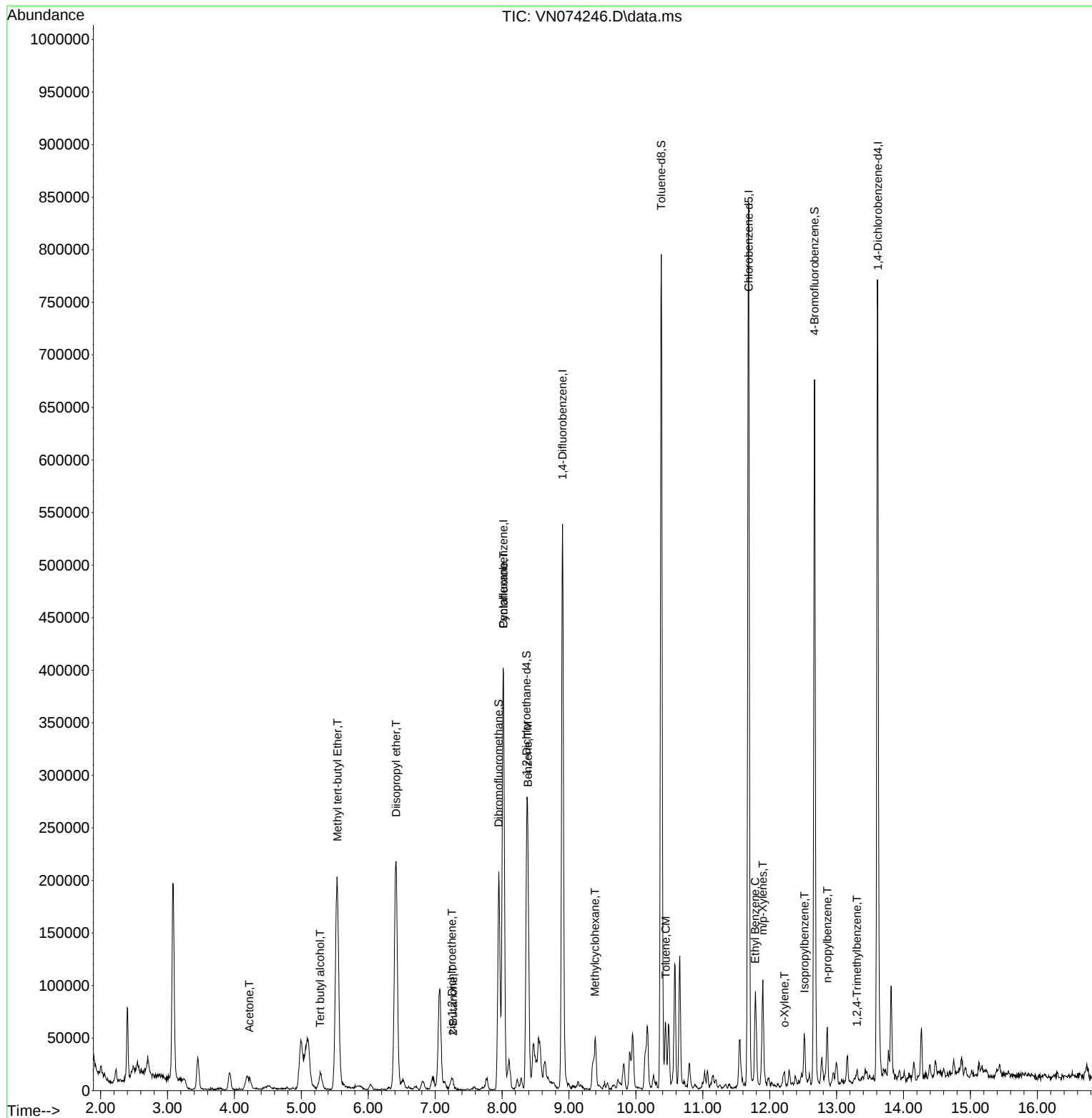
Internal Standards						
1) Pentafluorobenzene	8.022	168	236273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	431673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	420819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	188563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	172872	47.166	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.340%		
35) Dibromofluoromethane	7.951	113	142264	50.646	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.300%		
50) Toluene-d8	10.380	98	523825	47.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.700%		
62) 4-Bromofluorobenzene	12.669	95	201008	59.752	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	119.500%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.281	59	25447	23.781	ug/l #	72
16) Acetone	4.222	43	24507	10.006	ug/l #	70
19) Methyl tert-butyl Ether	5.540	73	239403	23.364	ug/l #	49
22) Diisopropyl ether	6.416	45	294398	23.391	ug/l #	87
25) 2-Butanone	7.269	43	7202	1.838	ug/l #	69
27) cis-1,2-Dichloroethene	7.251	96	3097	0.867	ug/l	59
31) Cyclohexane	8.022	56	56750	9.371	ug/l	87
39) Methylcyclohexane	9.386	83	19157	3.581	ug/l	93
40) Benzene	8.386	78	105521	7.374	ug/l	93
52) Toluene	10.445	92	22261	2.639	ug/l	88
67) Ethyl Benzene	11.780	91	44384	2.612	ug/l #	89
68) m/p-Xylenes	11.898	106	26556	4.207	ug/l	92
69) o-Xylene	12.221	106	3311	0.526	ug/l	88
73) Isopropylbenzene	12.521	105	26130	1.618	ug/l	97
78) n-propylbenzene	12.863	91	41123	2.234	ug/l	92
84) 1,2,4-Trimethylbenzene	13.304	105	5866	0.463	ug/l	75

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

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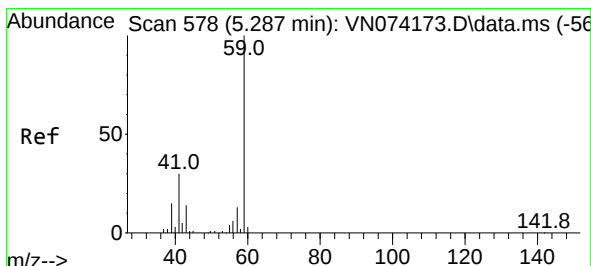
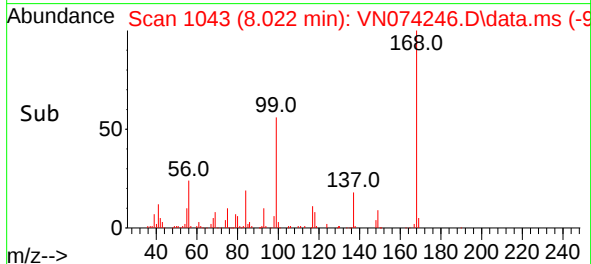
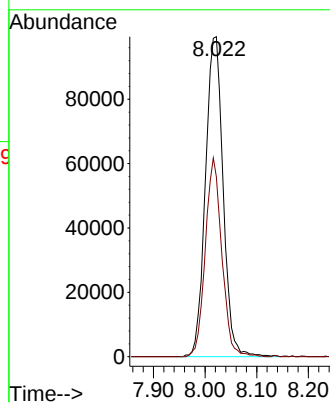
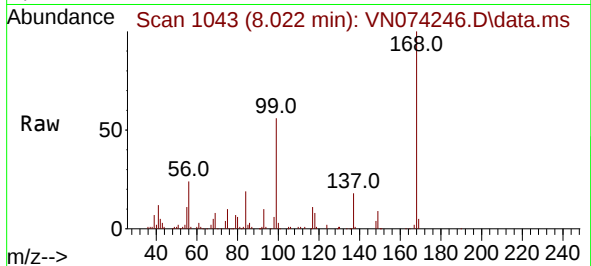




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

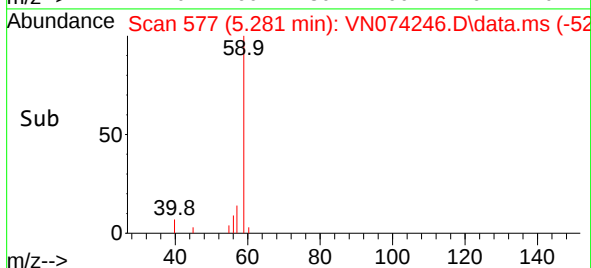
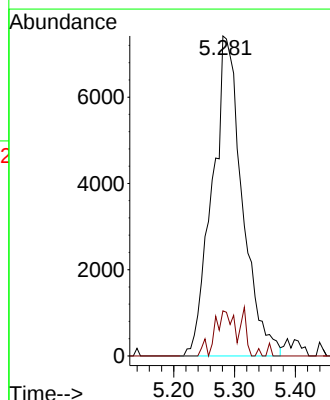
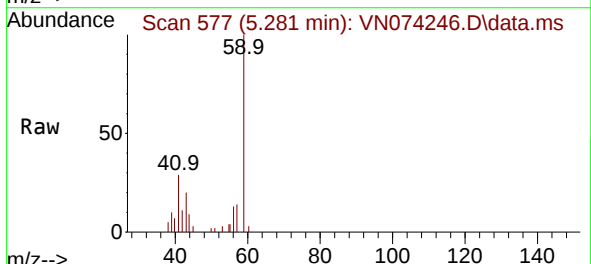
Instrument :
MSVOA_N
ClientSampleId :
MW-14

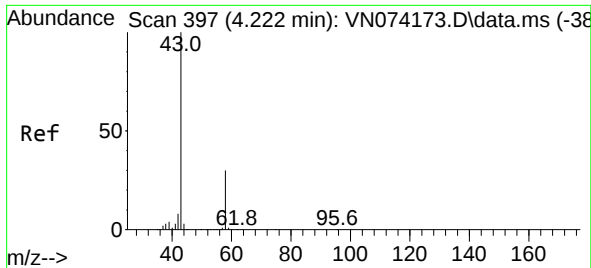
Tgt Ion:168 Resp: 236273
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#11
Tert butyl alcohol
Concen: 23.781 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 59 Resp: 25447
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

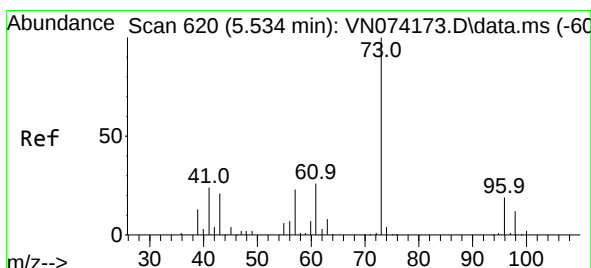
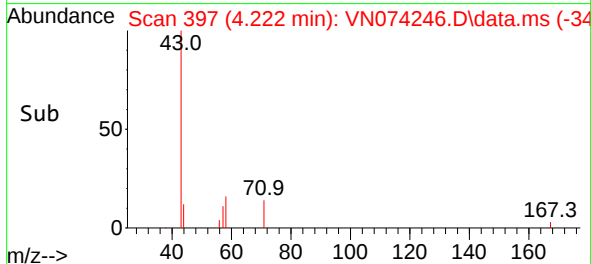
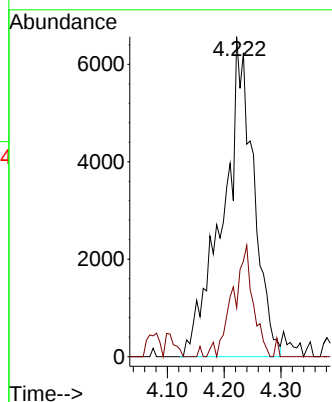
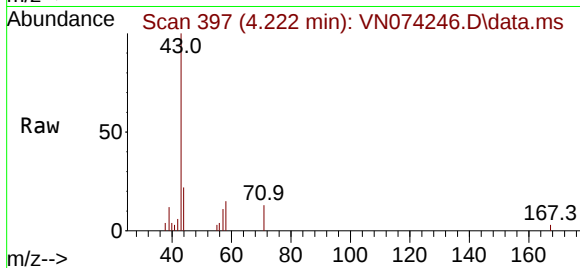




#16
Acetone
Concen: 10.006 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

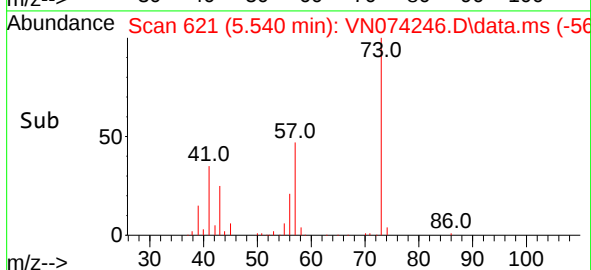
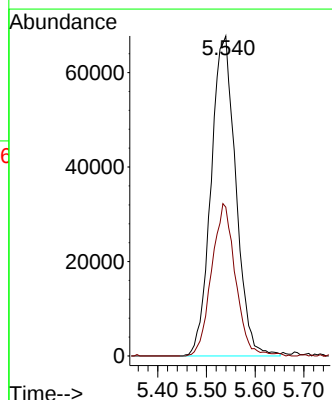
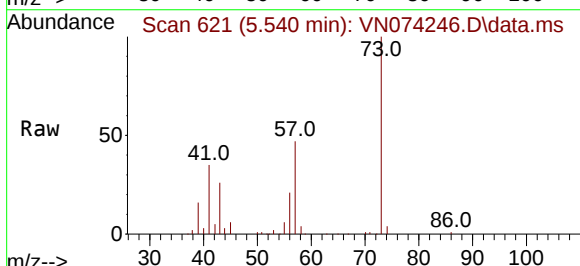
Instrument :
MSVOA_N
ClientSampleId :
MW-14

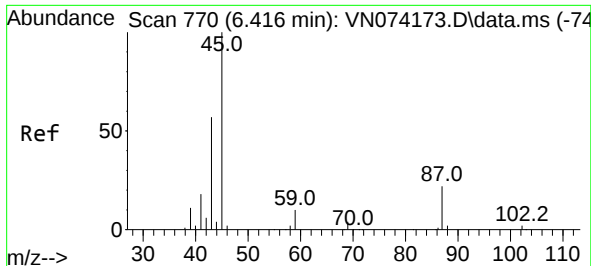
Tgt Ion: 43 Resp: 24507
Ion Ratio Lower Upper
43 100
58 15.8 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 23.364 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 73 Resp: 239403
Ion Ratio Lower Upper
73 100
57 46.5 17.6 26.4#

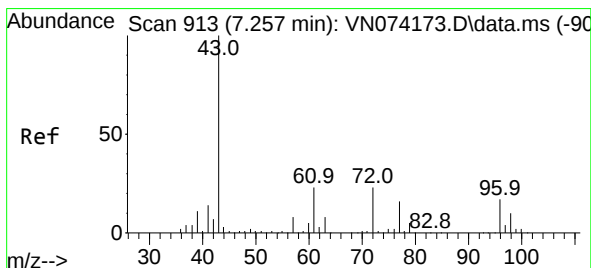
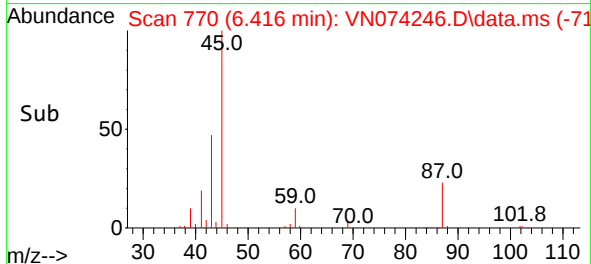
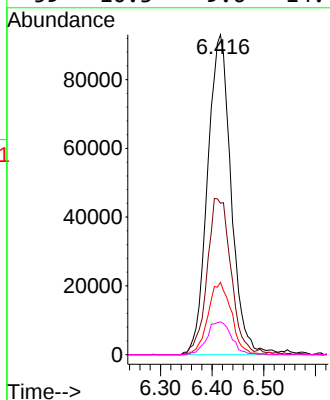
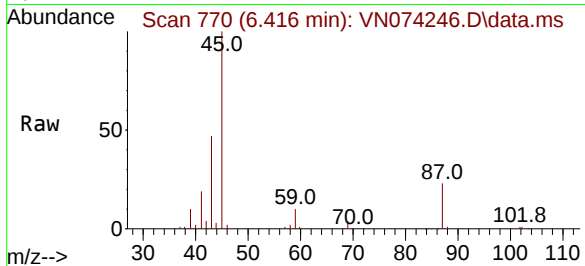




#22
Diisopropyl ether
Concen: 23.391 ug/l
RT: 6.416 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

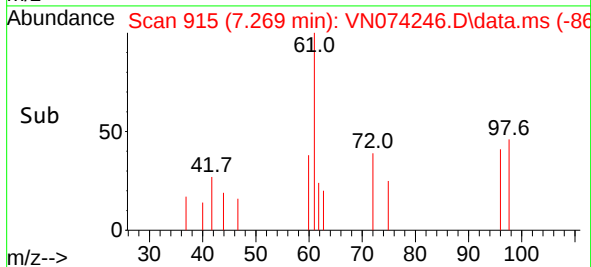
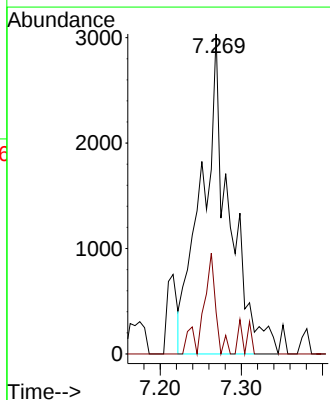
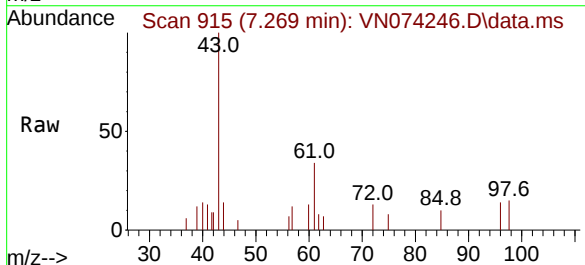
Instrument :
MSVOA_N
ClientSampleId :
MW-14

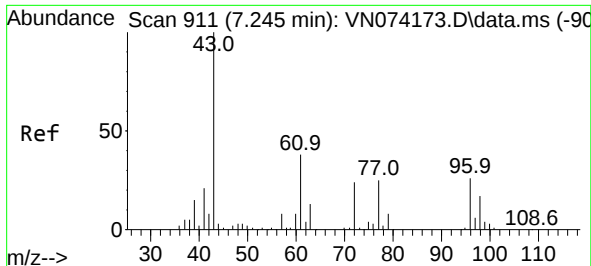
Tgt Ion: 45 Resp: 294398
Ion Ratio Lower Upper
45 100
43 47.3 46.6 70.0
87 22.6 24.3 36.5#
59 10.3 9.6 14.4



#25
2-Butanone
Concen: 1.838 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 43 Resp: 7202
Ion Ratio Lower Upper
43 100
72 13.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.867 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074246.D

Acq: 01 Sep 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-14

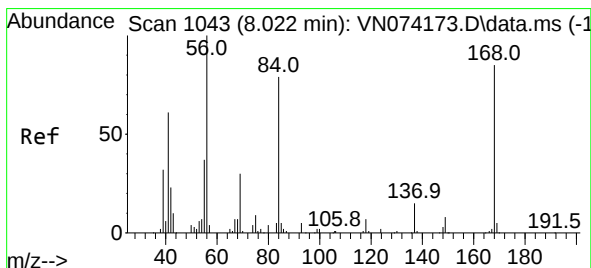
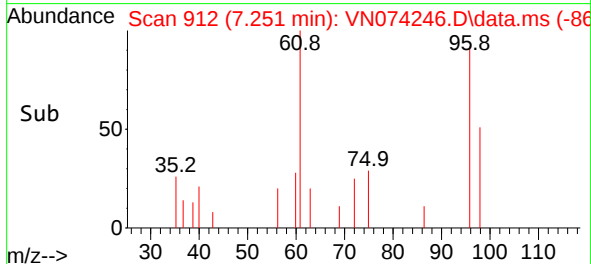
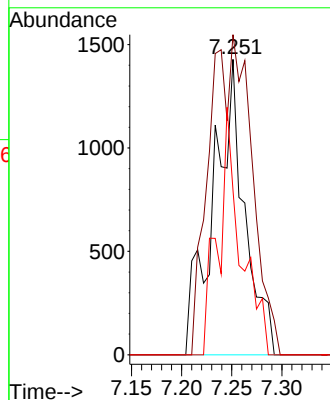
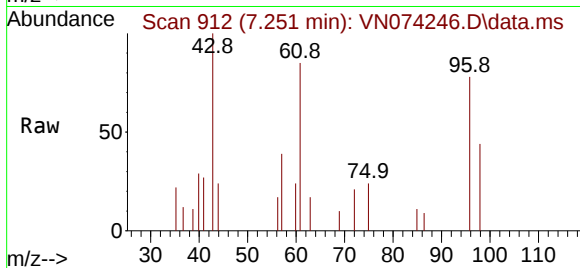
Tgt Ion: 96 Resp: 3097

Ion Ratio Lower Upper

96 100

61 70.9 0.0 280.6

98 60.5 0.0 128.4



#31

Cyclohexane

Concen: 9.371 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN074246.D

Acq: 01 Sep 2022 16:43

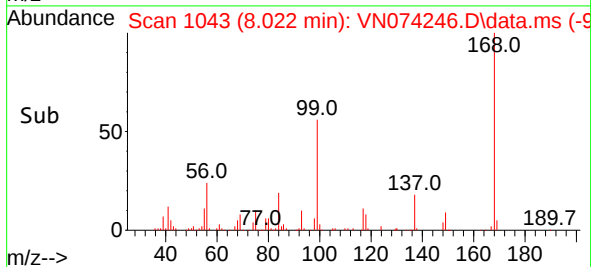
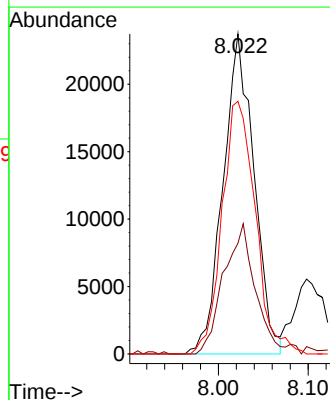
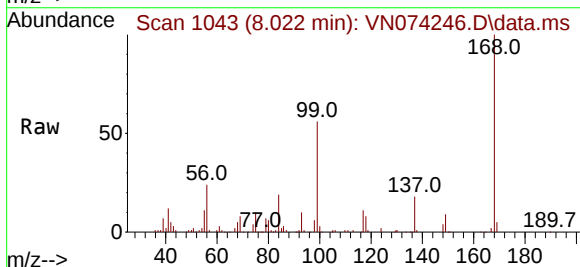
Tgt Ion: 56 Resp: 56750

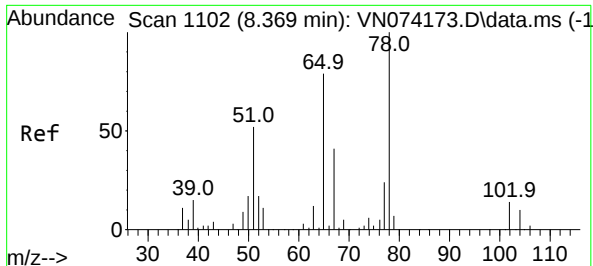
Ion Ratio Lower Upper

56 100

69 34.6 27.8 41.8

84 79.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.166 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074246.D

Acq: 01 Sep 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

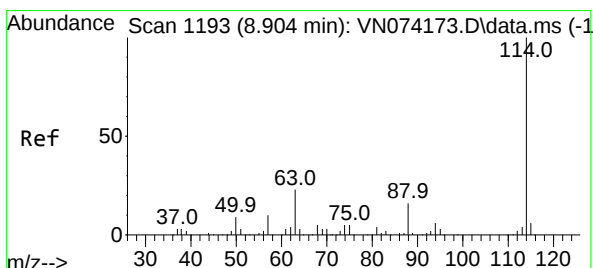
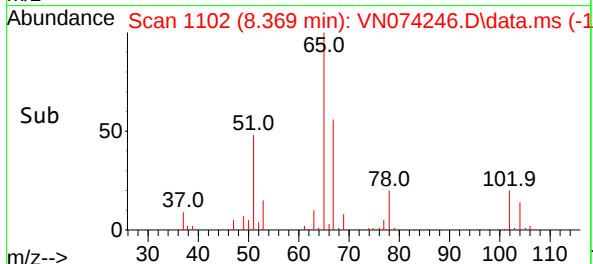
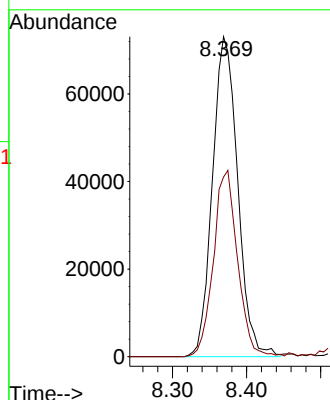
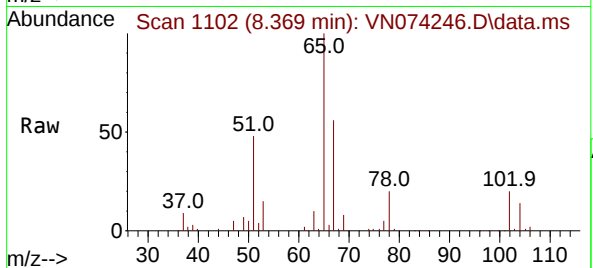
MW-14

Tgt Ion: 65 Resp: 172872

Ion Ratio Lower Upper

65 100

67 55.7 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: VN074246.D

Acq: 01 Sep 2022 16:43

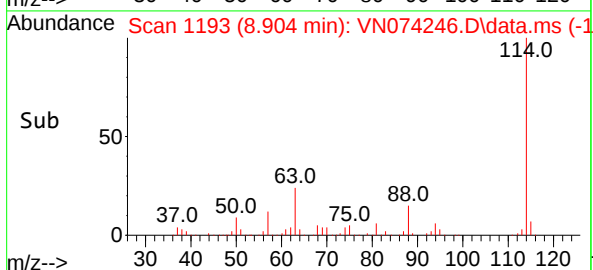
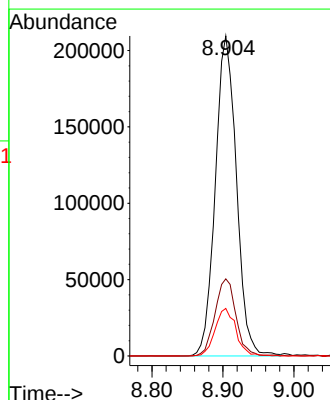
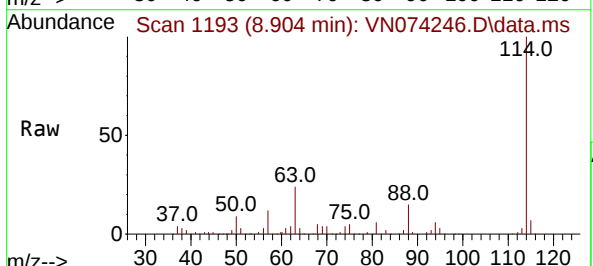
Tgt Ion: 114 Resp: 431673

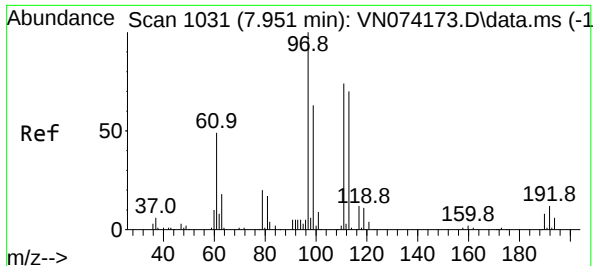
Ion Ratio Lower Upper

114 100

63 24.1 0.0 40.0

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.646 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074246.D

Acq: 01 Sep 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

MW-14

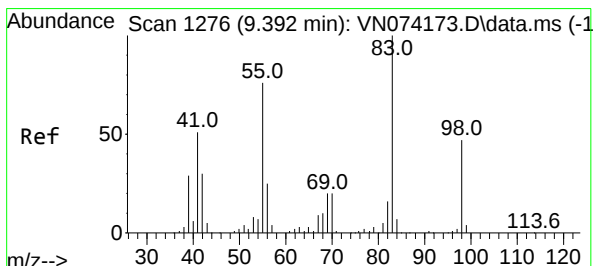
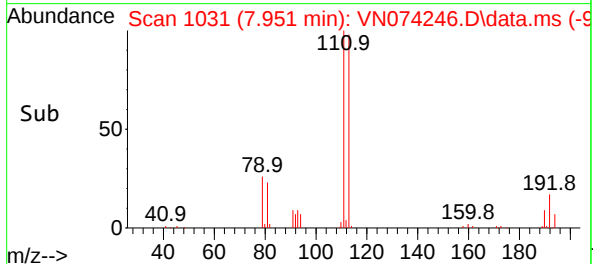
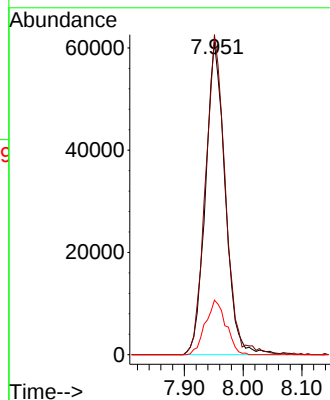
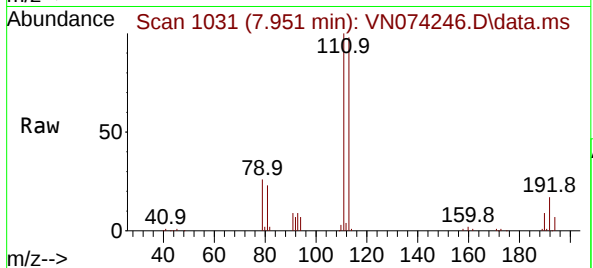
Tgt Ion:113 Resp: 142264

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.2 17.0 25.6



#39

Methylcyclohexane

Concen: 3.581 ug/l

RT: 9.386 min Scan# 1275

Delta R.T. -0.006 min

Lab File: VN074246.D

Acq: 01 Sep 2022 16:43

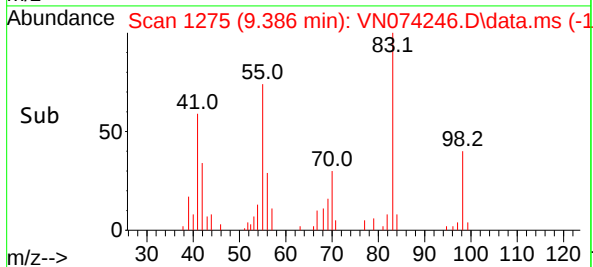
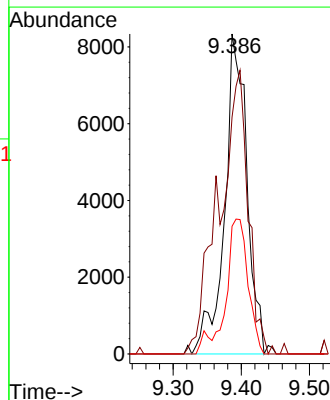
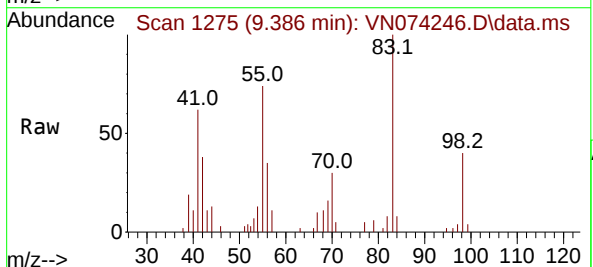
Tgt Ion: 83 Resp: 19157

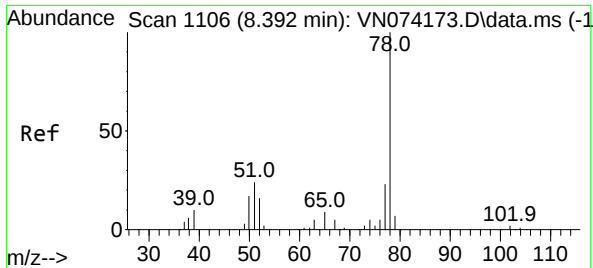
Ion Ratio Lower Upper

83 100

55 74.0 57.8 86.8

98 39.9 39.4 59.2

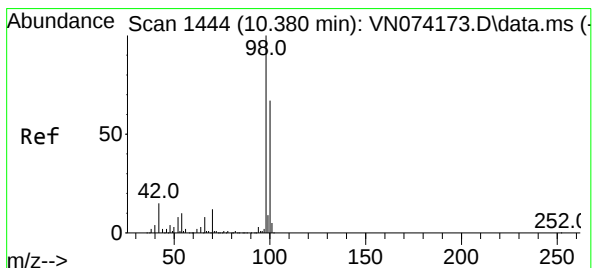
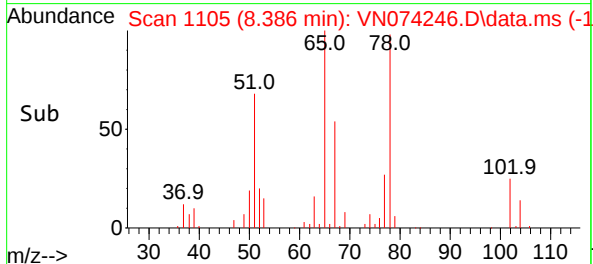
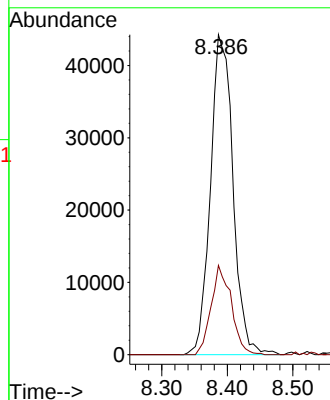
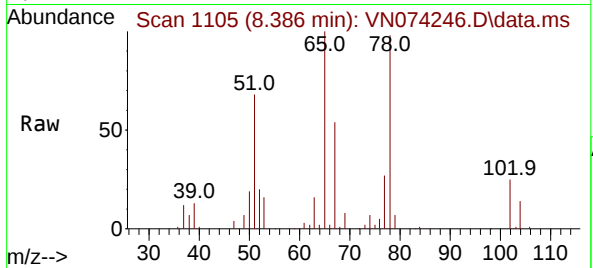




#40
Benzene
Concen: 7.374 ug/l
RT: 8.386 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

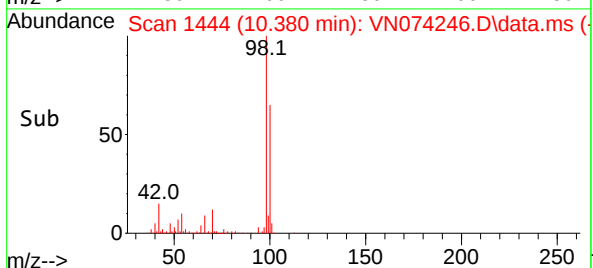
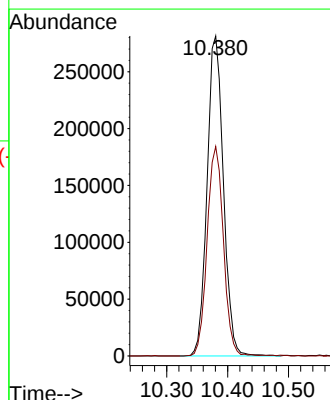
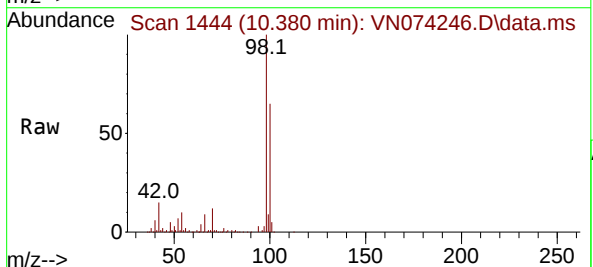
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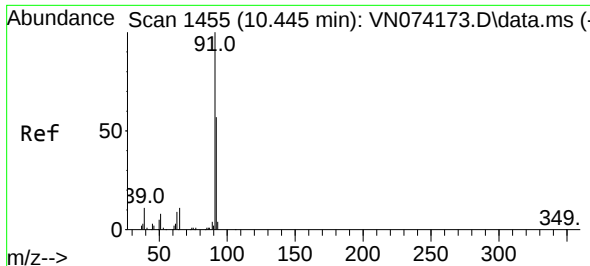
Tgt Ion: 78 Resp: 105521
Ion Ratio Lower Upper
78 100
77 27.9 19.4 29.0



#50
Toluene-d8
Concen: 47.353 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 98 Resp: 523825
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

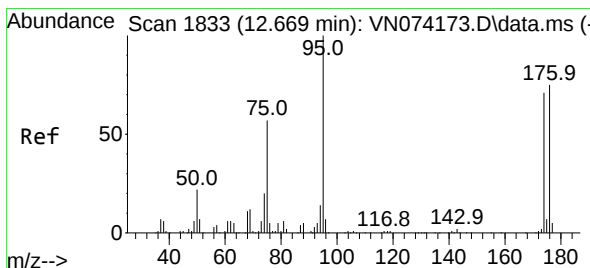
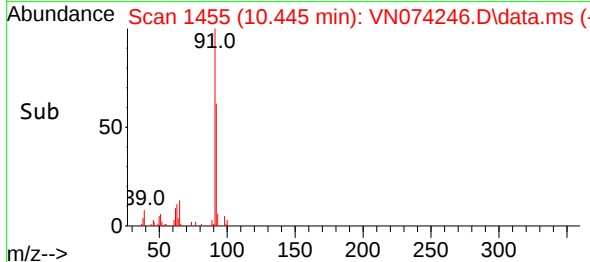
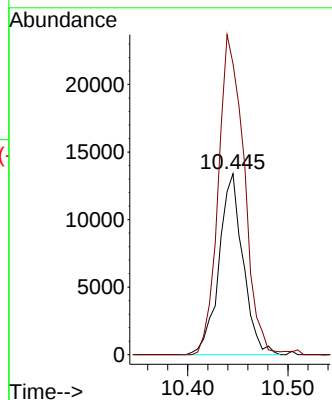
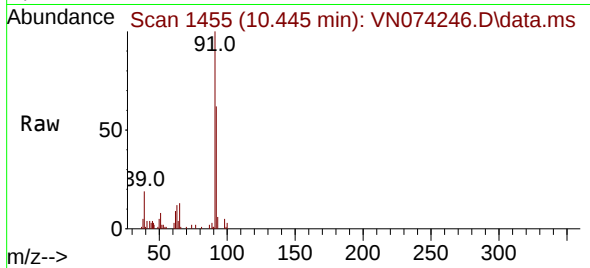




#52
Toluene
Concen: 2.639 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

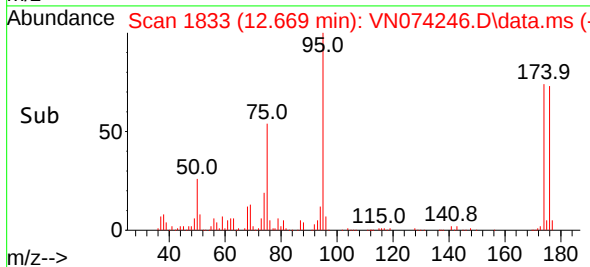
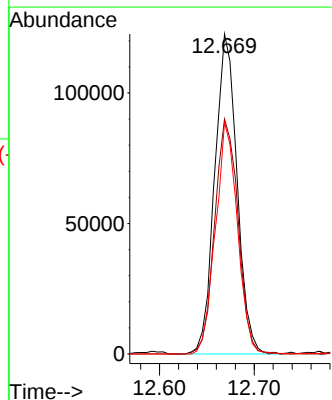
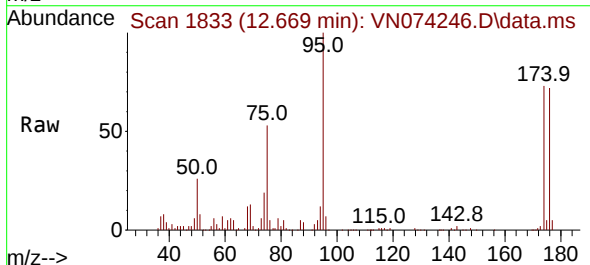
Instrument :
MSVOA_N
ClientSampleId :
MW-14

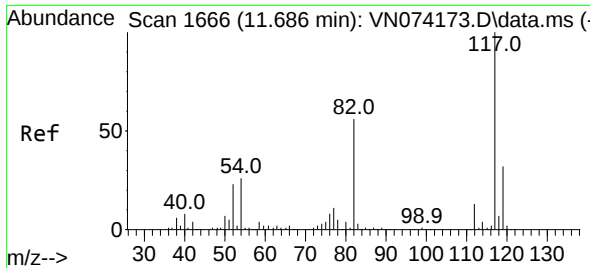
Tgt Ion: 92 Resp: 22261
Ion Ratio Lower Upper
92 100
91 189.4 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 59.752 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 95 Resp: 201008
Ion Ratio Lower Upper
95 100
174 76.6 0.0 167.6
176 71.5 0.0 163.4

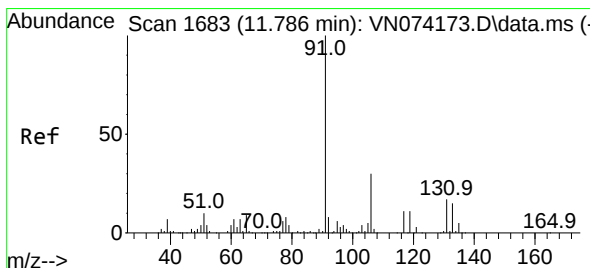
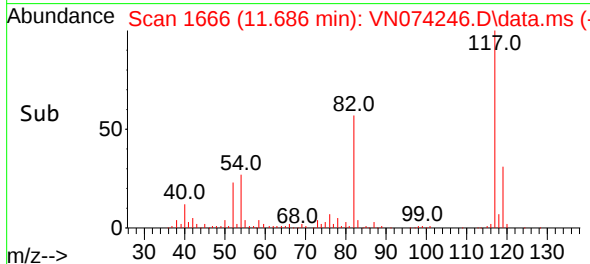
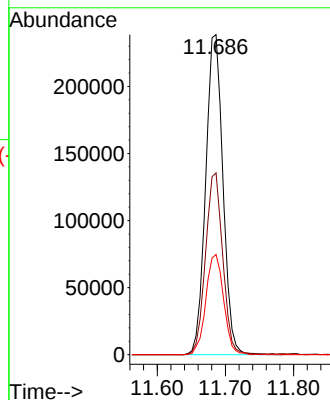
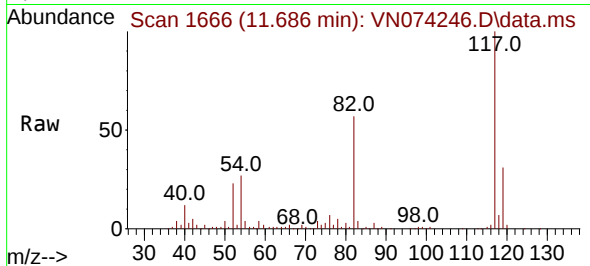




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

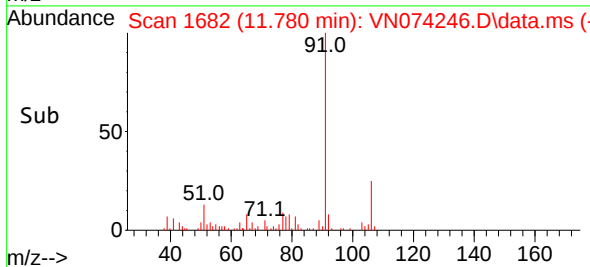
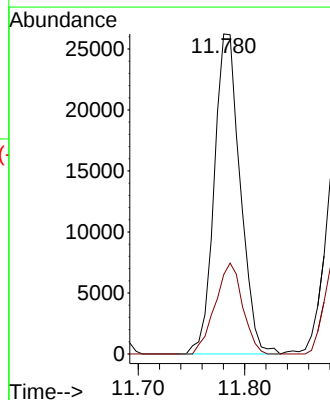
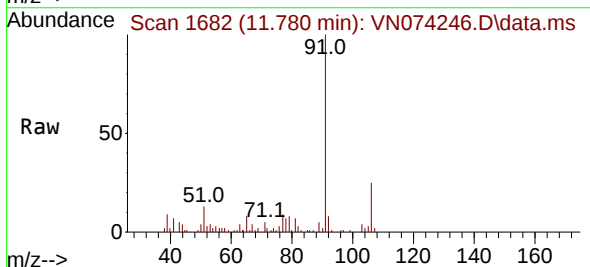
Instrument :
MSVOA_N
ClientSampleId :
MW-14

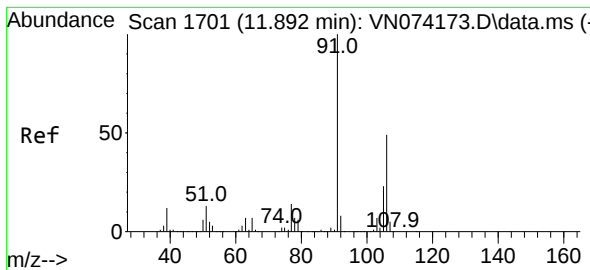
Tgt Ion:117 Resp: 420819
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 31.3 25.4 38.0



#67
Ethyl Benzene
Concen: 2.612 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 91 Resp: 44384
Ion Ratio Lower Upper
91 100
106 24.8 24.9 37.3#

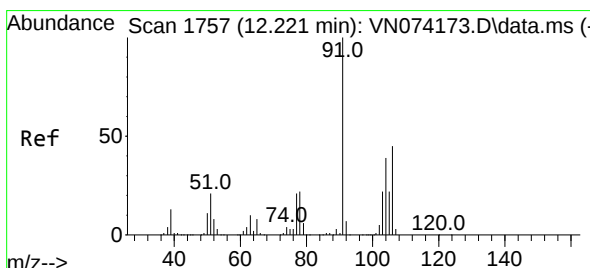
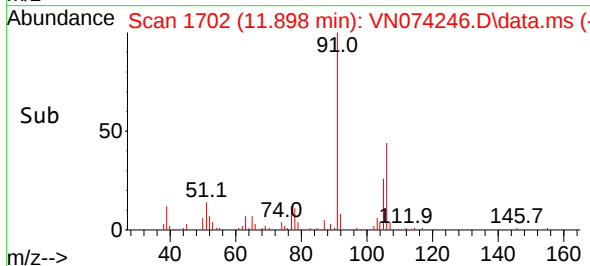
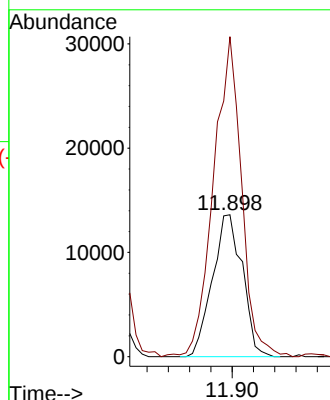
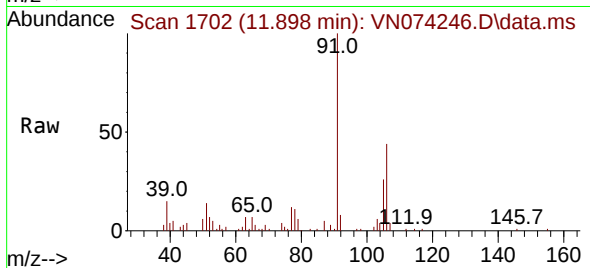




#68
m/p-Xylenes
Concen: 4.207 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

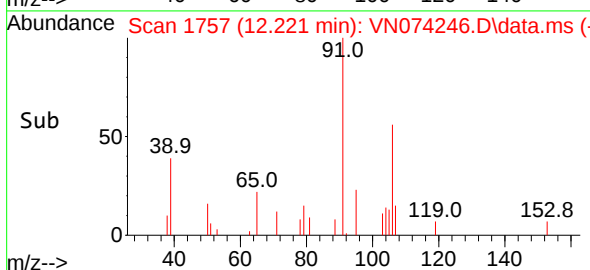
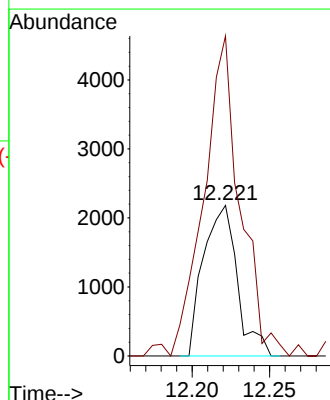
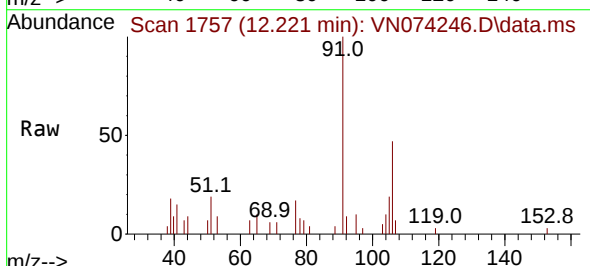
Instrument :
MSVOA_N
ClientSampleId :
MW-14

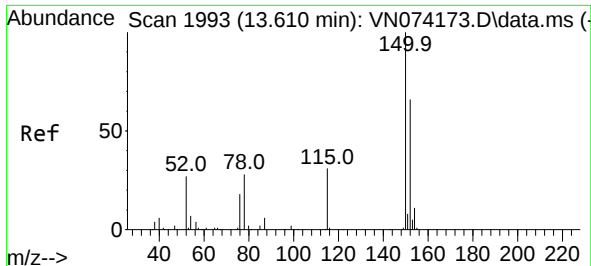
Tgt Ion:106 Resp: 26556
Ion Ratio Lower Upper
106 100
91 210.4 158.9 238.3



#69
o-Xylene
Concen: 0.526 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion:106 Resp: 3311
Ion Ratio Lower Upper
106 100
91 231.6 106.0 318.0

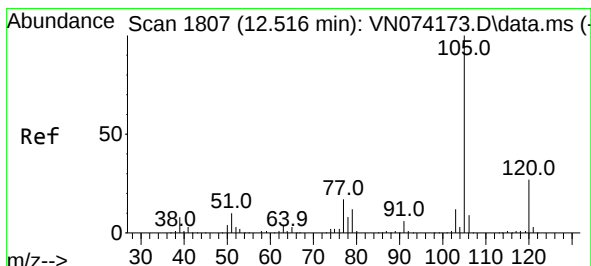
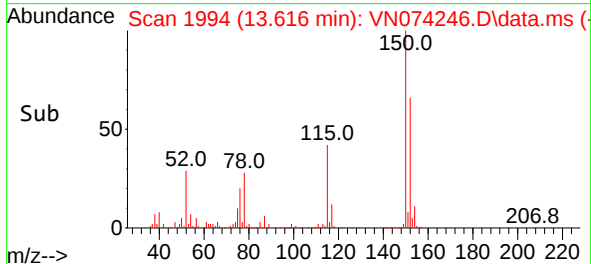
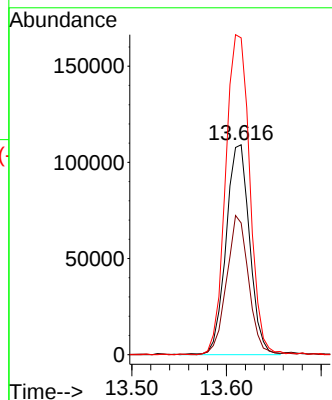
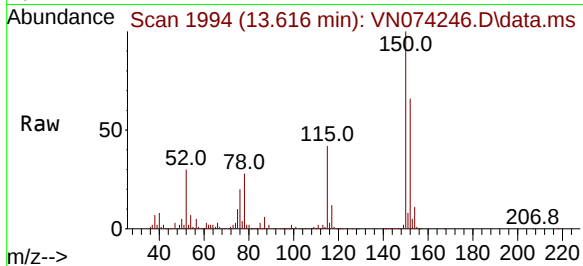




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

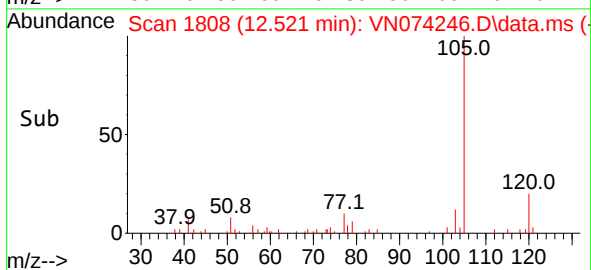
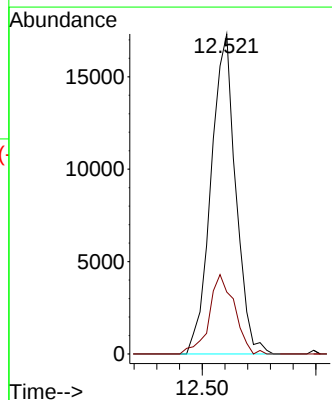
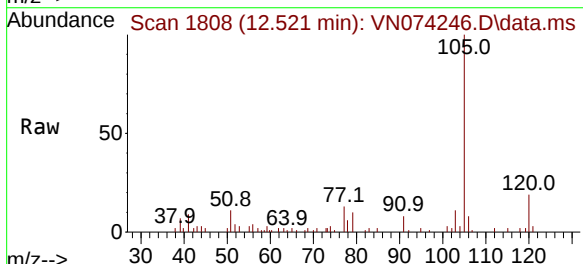
Instrument :
MSVOA_N
ClientSampleId :
MW-14

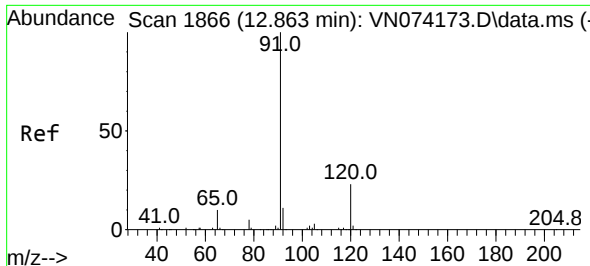
Tgt Ion:152 Resp: 188563
Ion Ratio Lower Upper
152 100
115 62.6 28.9 86.7
150 156.2 0.0 356.2



#73
Isopropylbenzene
Concen: 1.618 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion:105 Resp: 26130
Ion Ratio Lower Upper
105 100
120 25.3 13.5 40.4

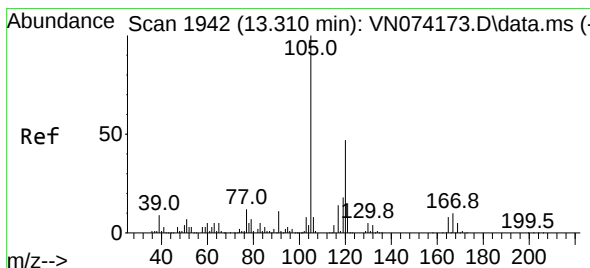
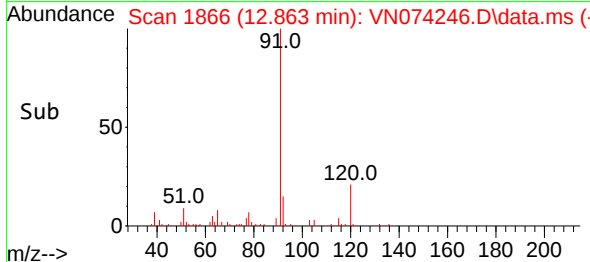
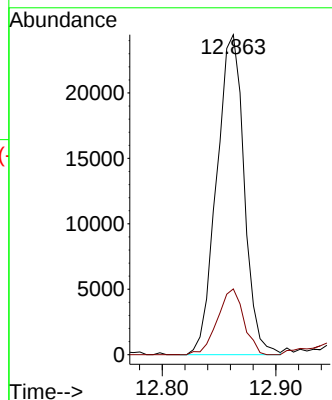
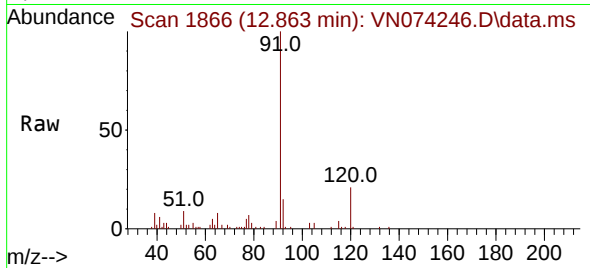




#78
n-propylbenzene
Concen: 2.234 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tgt Ion: 91 Resp: 41123
Ion Ratio Lower Upper
91 100
120 19.6 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 0.463 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074246.D
Acq: 01 Sep 2022 16:43

Tgt Ion: 105 Resp: 5866
Ion Ratio Lower Upper
105 100
120 29.6 23.3 69.8

