

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074235.D
 Acq On : 01 Sep 2022 12:14
 Operator : JC\MD
 Sample : N4444-01DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WH-1DL

Quant Time: Sep 01 16:15:07 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)

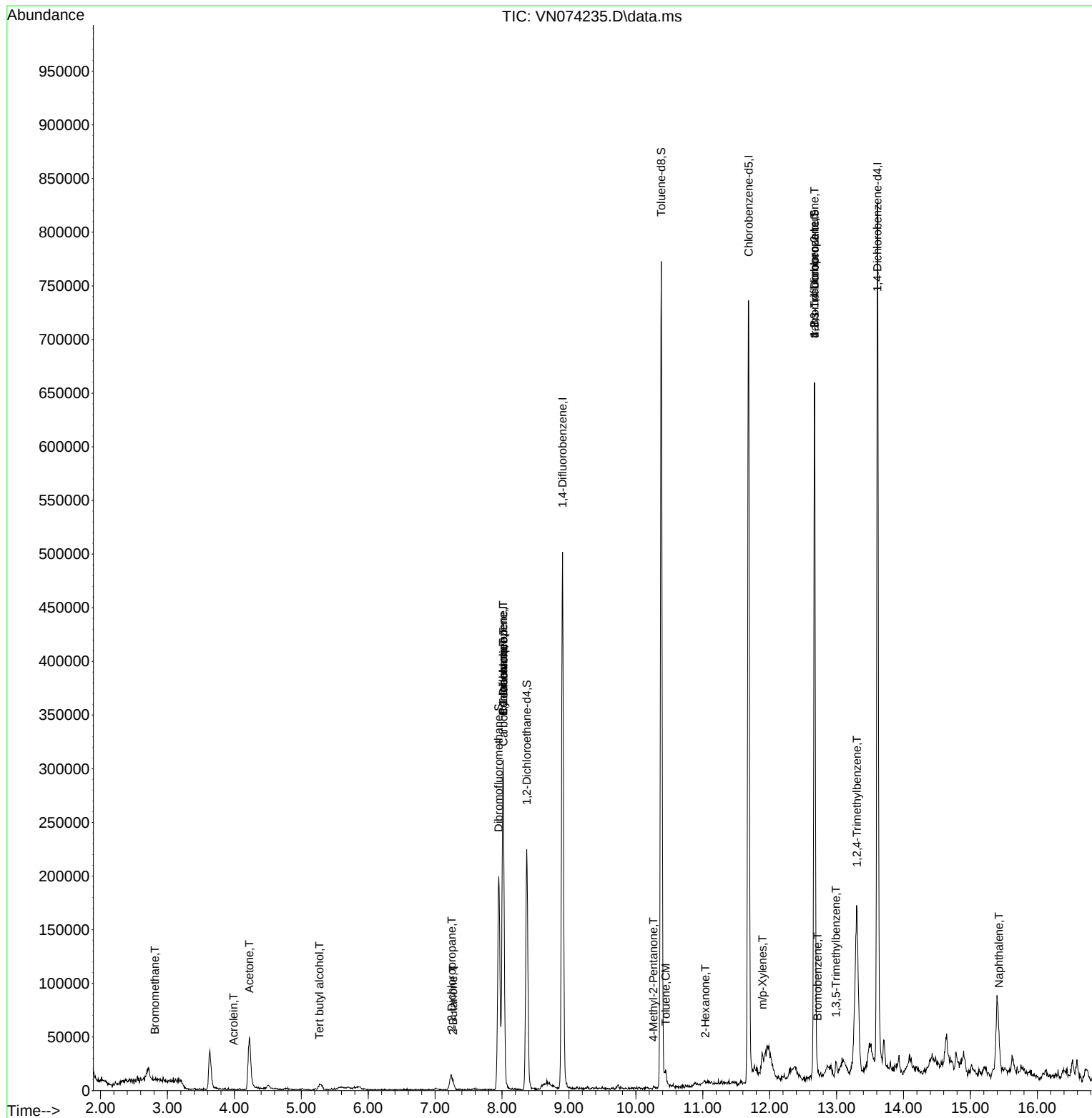
Internal Standards						
1) Pentafluorobenzene	8.016	168	214854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	396137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	395980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	191722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	175600	52.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.380%			
35) Dibromofluoromethane	7.951	113	138027	53.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	10.381	98	489254	48.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.669	95	196383	63.614	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 127.220%#			
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	512	0.301	ug/l #	74
6) Chloroethane	2.934	64	1236	Below Cal	#	72
11) Tert butyl alcohol	5.269	59	9715	5.275	ug/l #	80
13) Acrolein	3.987	56	240	0.326	ug/l	90
16) Acetone	4.222	43	91327	41.007	ug/l	92
18) Methyl Acetate	4.769	43	1318	Below Cal	#	89
20) Methylene Chloride	5.010	84	315	Below Cal	#	9
25) 2-Butanone	7.269	43	9250	2.596	ug/l #	82
26) 2,2-Dichloropropane	7.245	77	477	0.398	ug/l #	53
28) Bromochloromethane	7.581	49	230	Below Cal	#	53
31) Cyclohexane	8.016	56	6313	1.146	ug/l #	37
36) 1,1-Dichloropropene	8.016	75	20731	4.957	ug/l #	47
38) Carbon Tetrachloride	8.022	117	22460	5.914	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	1431	0.210	ug/l #	64
52) Toluene	10.445	92	5032	0.650	ug/l	87
59) 2-Hexanone	11.039	43	1042	0.201	ug/l	92
68) m/p-Xylenes	11.892	106	3351	0.564	ug/l	93
76) 1,2,3-Trichloropropane	12.669	75	117867	24.716	ug/l #	1
77) Bromobenzene	12.716	156	1184	0.308	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.992	105	4431	0.332	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.669	75	117867	63.813	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	8438	0.655	ug/l	93
95) Naphthalene	15.427	128	10309	1.843	ug/l #	78

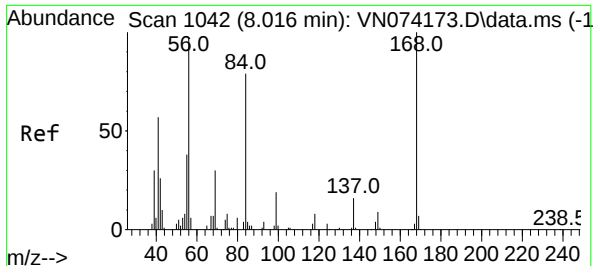
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
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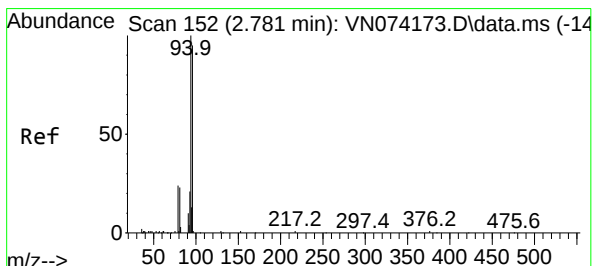
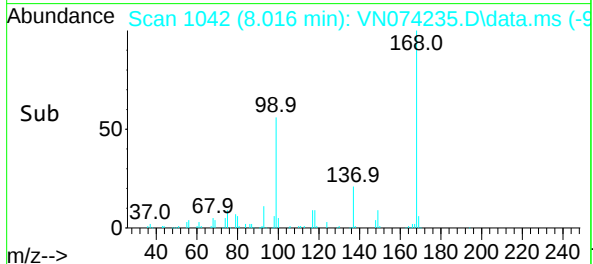
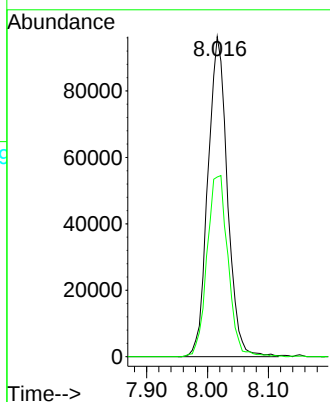
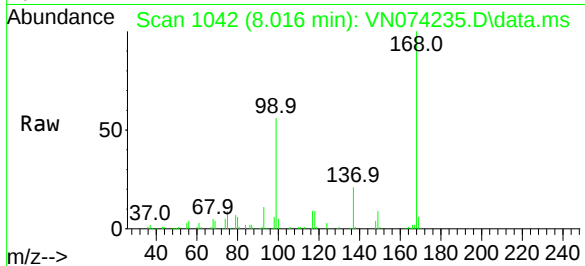




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

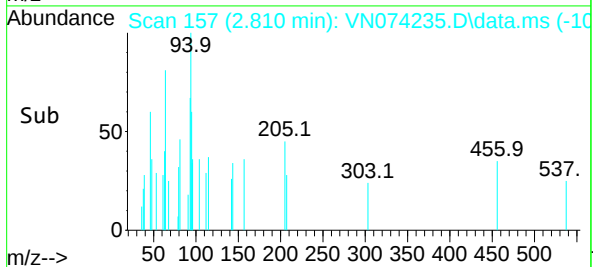
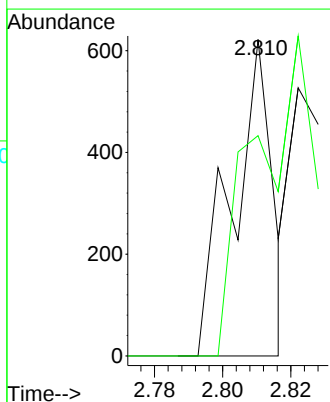
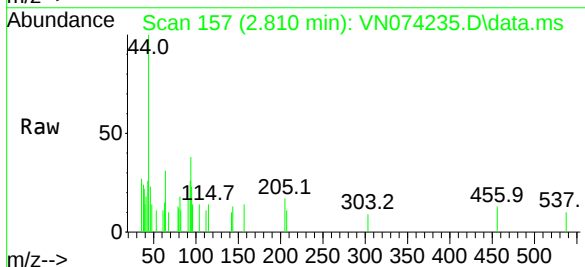
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

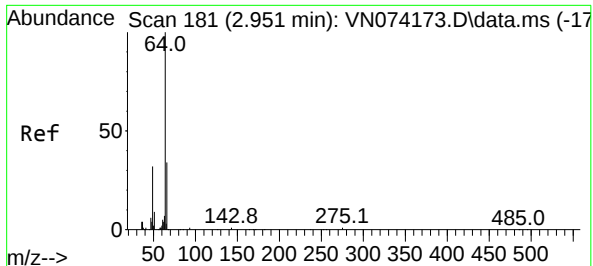
Tgt Ion:168 Resp: 214854
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#5
Bromomethane
Concen: 0.301 ug/l
RT: 2.810 min Scan# 157
Delta R.T. 0.029 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 69.6 76.0 114.0#

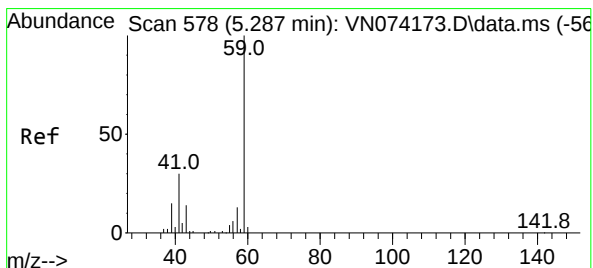
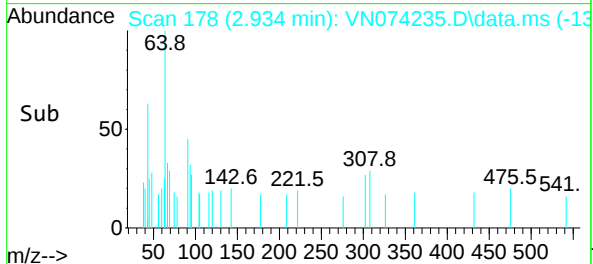
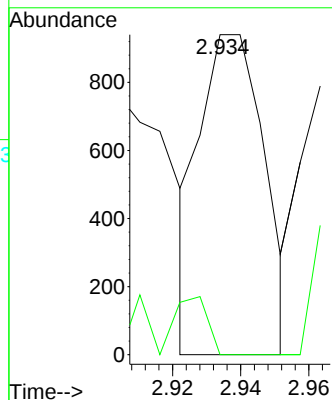
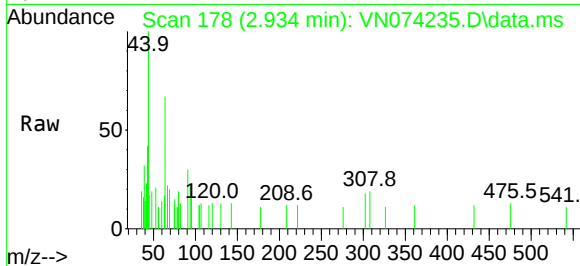




#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

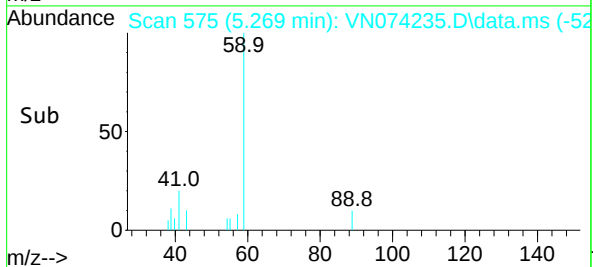
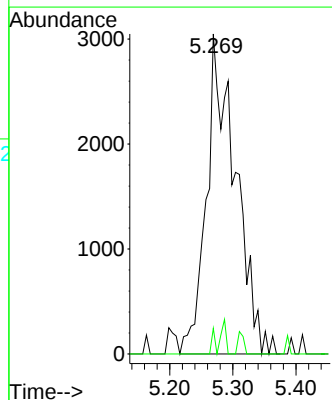
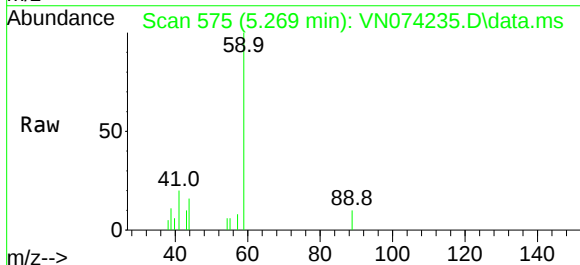
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

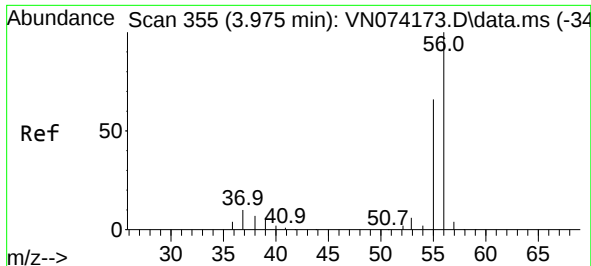
Tgt Ion: 64 Resp: 1236
Ion Ratio Lower Upper
64 100
66 48.4 26.2 39.4#



#11
Tert butyl alcohol
Concen: 5.275 ug/l
RT: 5.269 min Scan# 575
Delta R.T. -0.018 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 59 Resp: 9715
Ion Ratio Lower Upper
59 100
57 2.7 8.3 12.5#

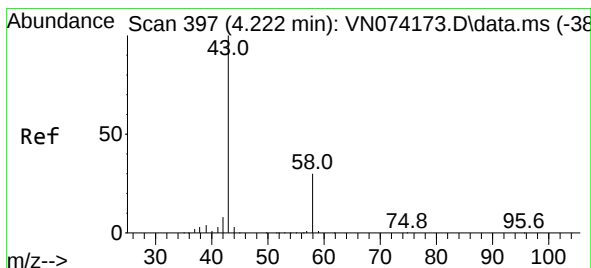
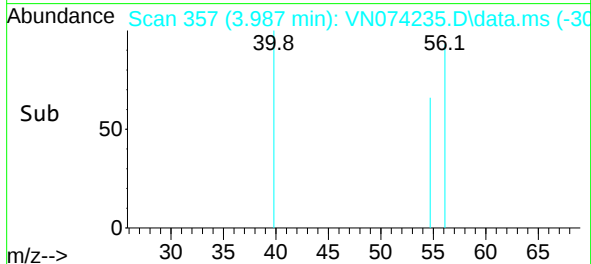
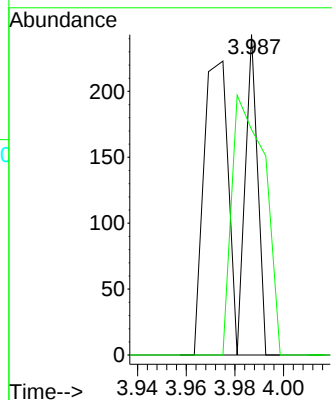
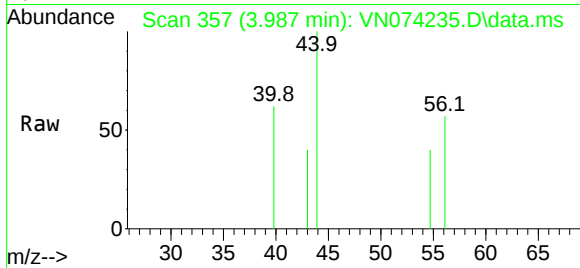




#13
Acrolein
Concen: 0.326 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.012 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

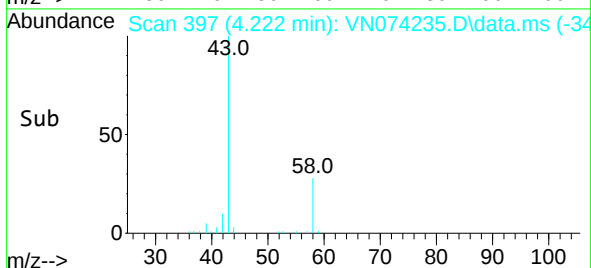
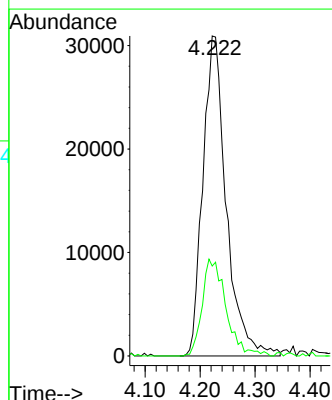
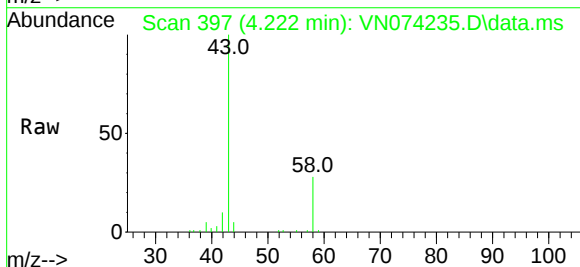
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

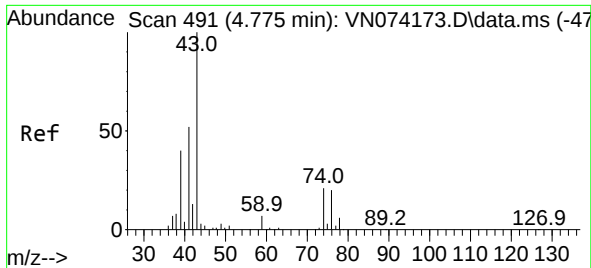
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 76.3 54.8 82.2



#16
Acetone
Concen: 41.007 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 43 Resp: 91327
Ion Ratio Lower Upper
43 100
58 28.1 26.0 39.0

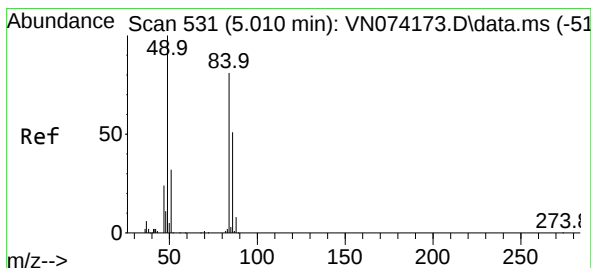
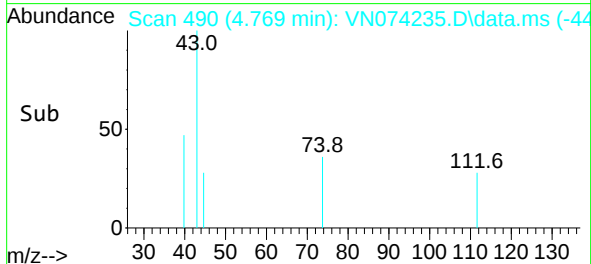
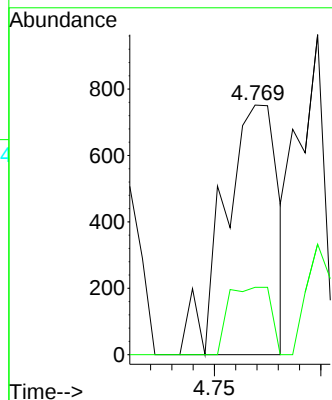
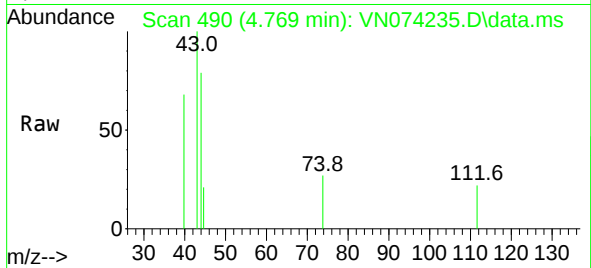




#18
Methyl Acetate
Concen: Below Cal
RT: 4.769 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

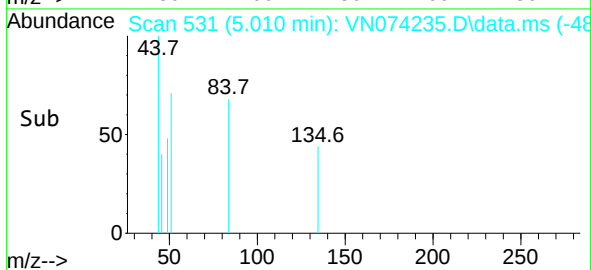
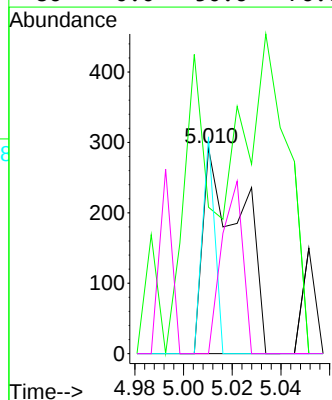
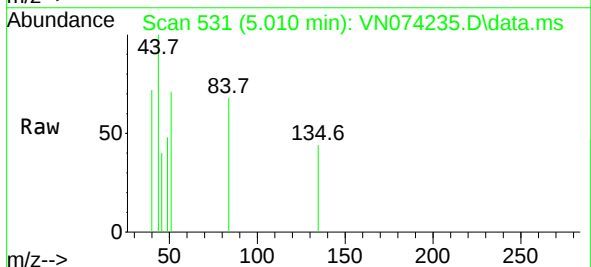
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

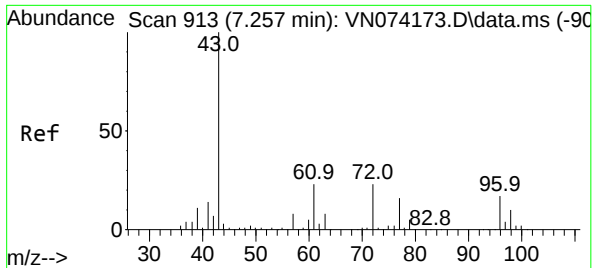
Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 21.2 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 84 Resp: 315
Ion Ratio Lower Upper
84 100
49 17.5 88.3 132.5#
51 105.5 28.2 42.2#
86 0.0 50.6 76.0#





#25

2-Butanone

Concen: 2.596 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

Instrument :

MSVOA_N

ClientSampleId :

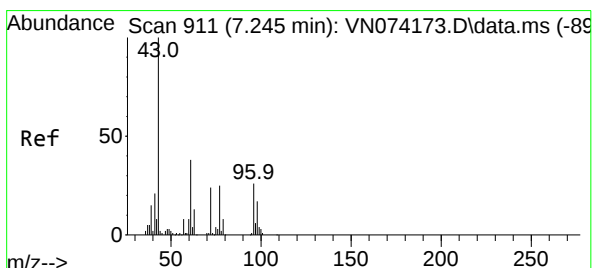
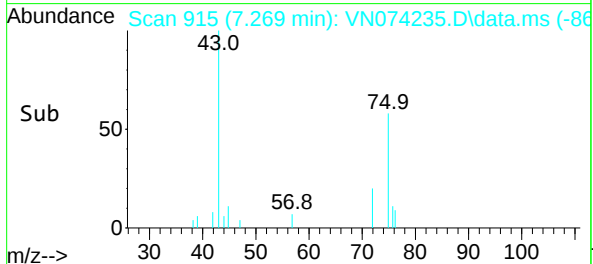
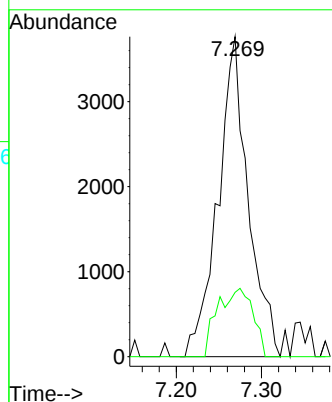
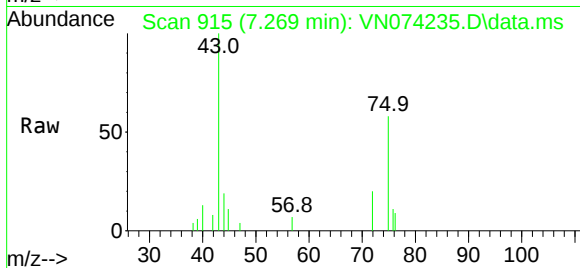
WH-1DL

Tgt Ion: 43 Resp: 9250

Ion Ratio Lower Upper

43 100

72 20.1 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.398 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN074235.D

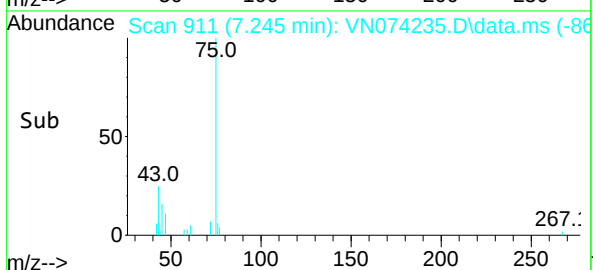
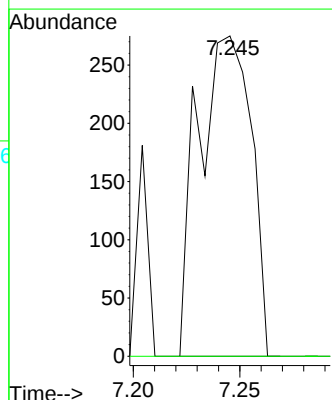
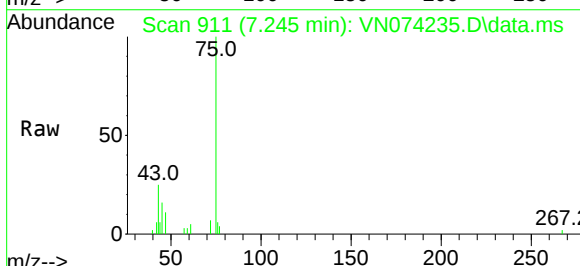
Acq: 01 Sep 2022 12:14

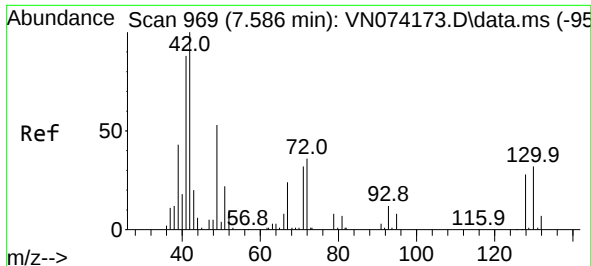
Tgt Ion: 77 Resp: 477

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

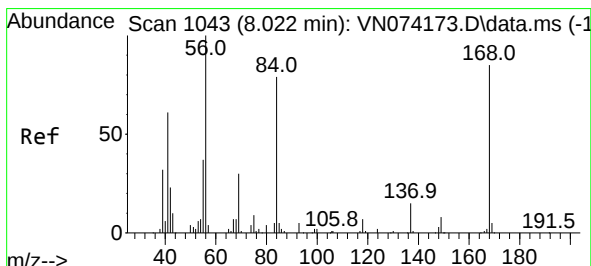
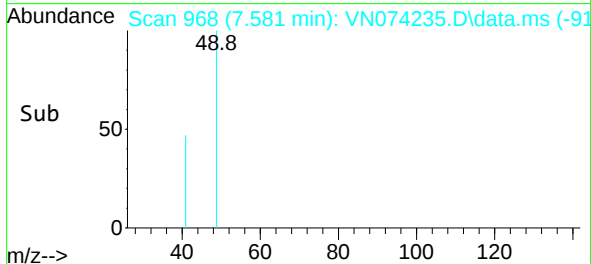
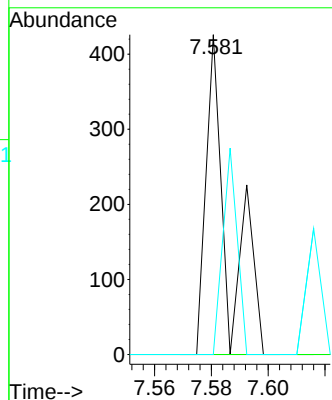
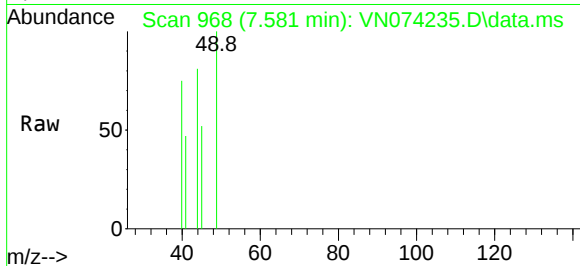




#28
Bromochloromethane
Concen: Below Cal
RT: 7.581 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

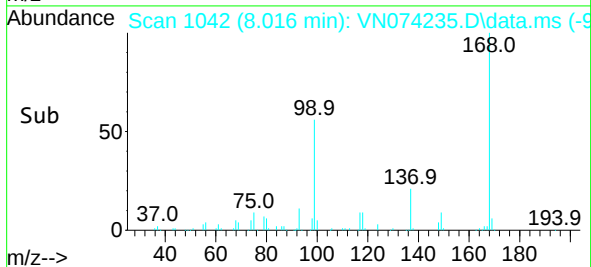
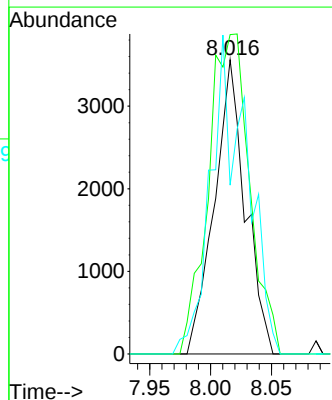
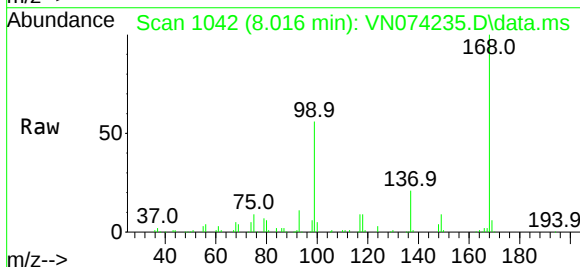
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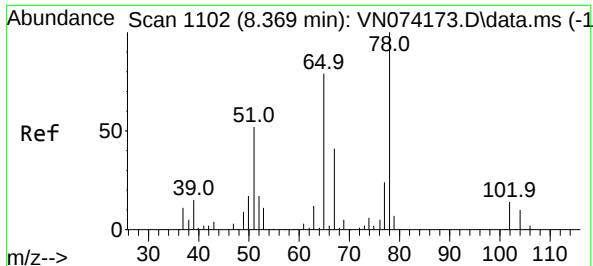
Tgt Ion: 49 Resp: 230
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 42.2 69.7 104.5#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 108.5 27.8 41.8#
84 57.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 52.687 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

Instrument :

MSVOA_N

ClientSampleId :

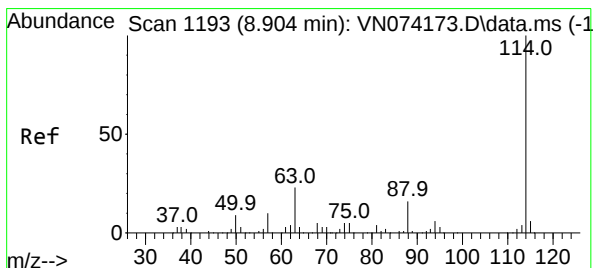
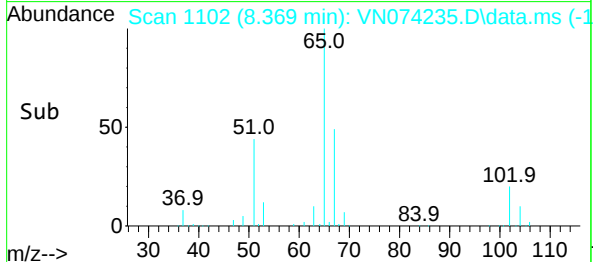
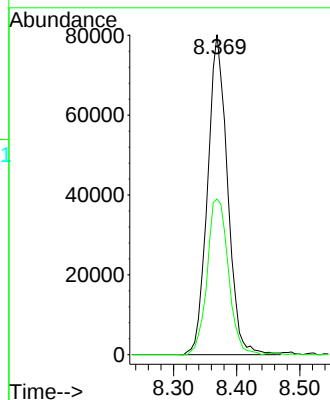
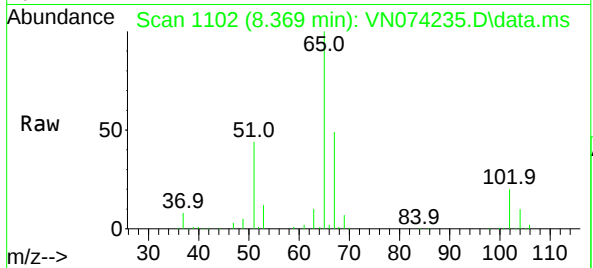
WH-1DL

Tgt Ion: 65 Resp: 175600

Ion Ratio Lower Upper

65 100

67 51.7 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: VN074235.D

Acq: 01 Sep 2022 12:14

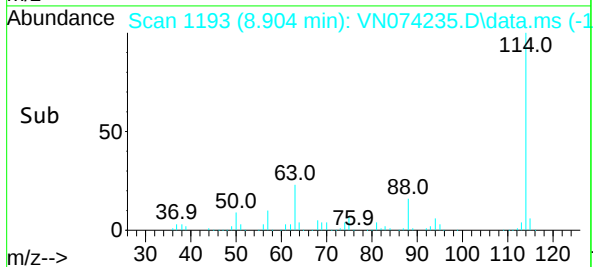
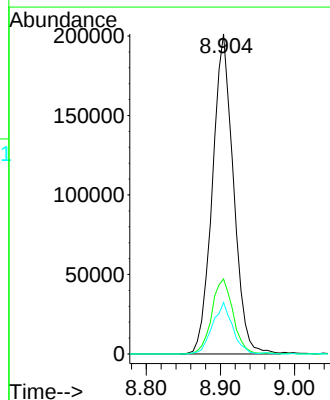
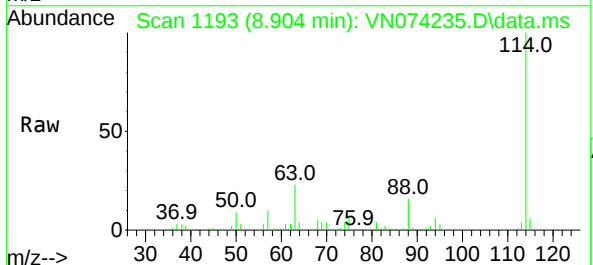
Tgt Ion: 114 Resp: 396137

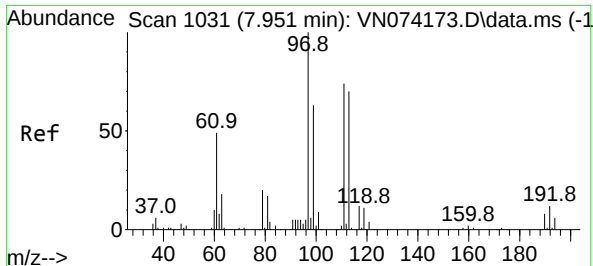
Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.0

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.546 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

Instrument :

MSVOA_N

ClientSampleId :

WH-1DL

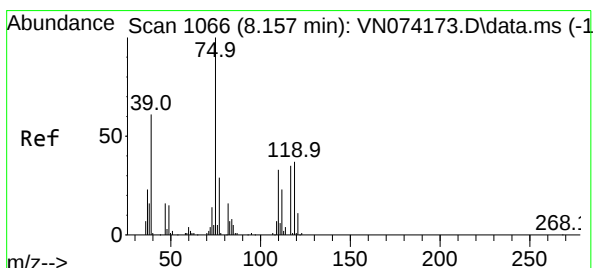
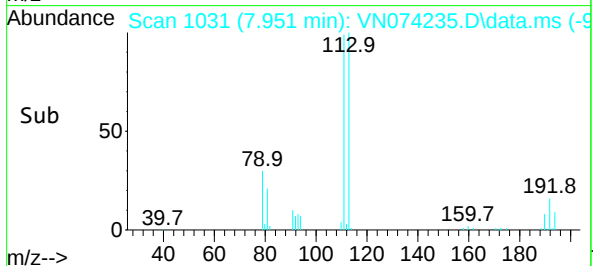
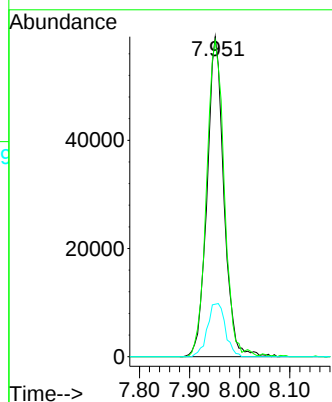
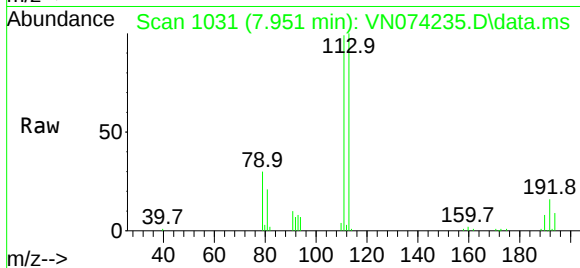
Tgt Ion:113 Resp: 138027

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 17.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

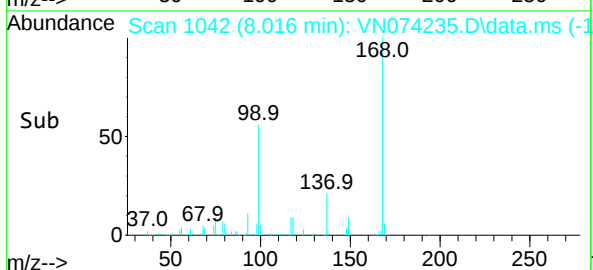
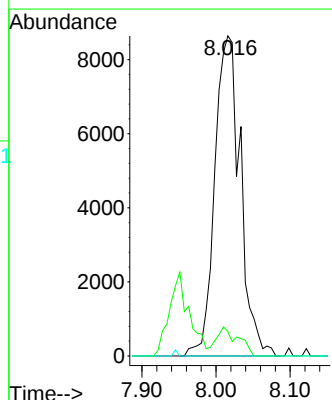
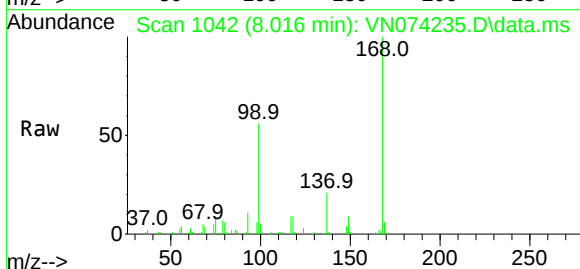
Tgt Ion: 75 Resp: 20731

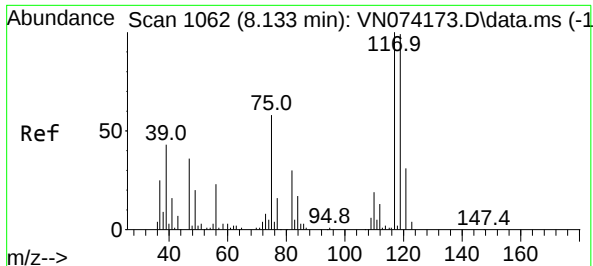
Ion Ratio Lower Upper

75 100

110 7.5 18.3 54.8#

77 0.0 25.1 37.7#

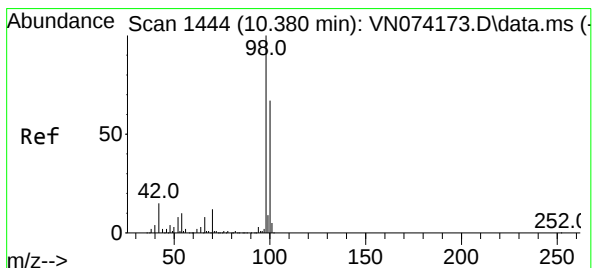
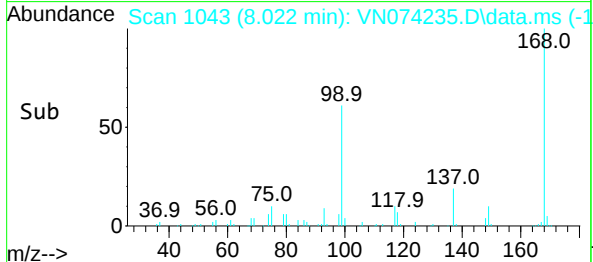
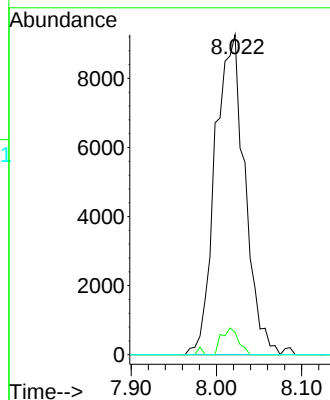
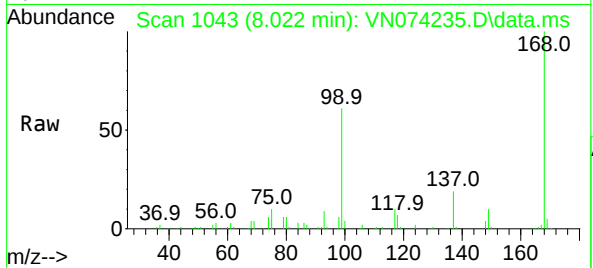




#38
Carbon Tetrachloride
Concen: 5.914 ug/l
RT: 8.022 min Scan# 1062
Delta R.T. -0.111 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

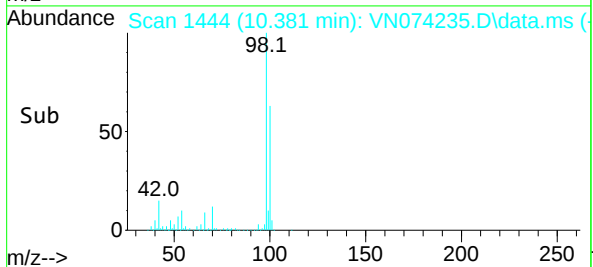
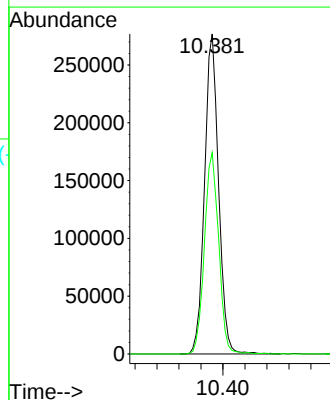
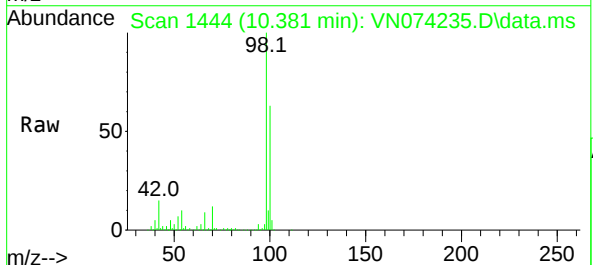
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

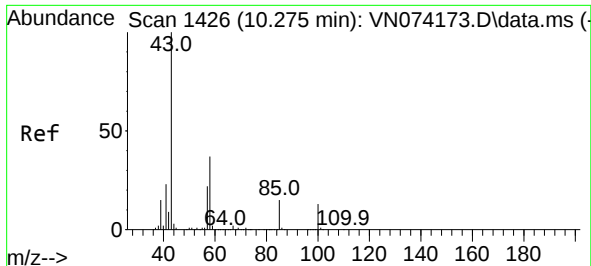
Tgt Ion:117 Resp: 22460
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.195 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 98 Resp: 489254
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8

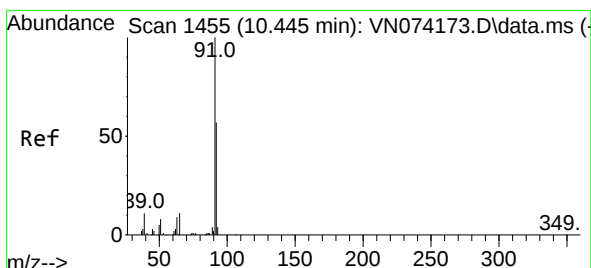
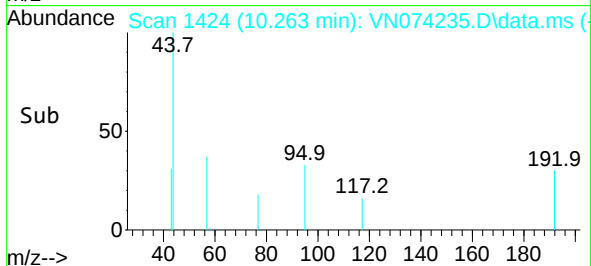
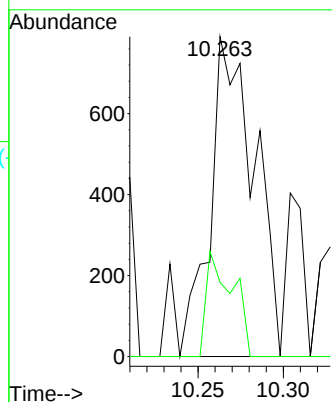
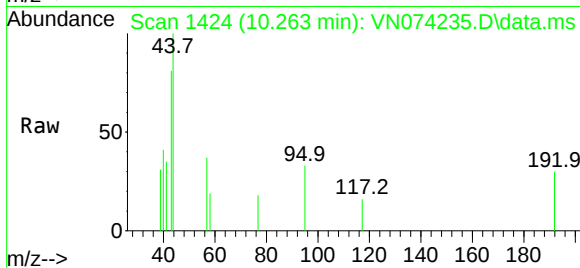




#51
4-Methyl-2-Pentanone
Concen: 0.210 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.012 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

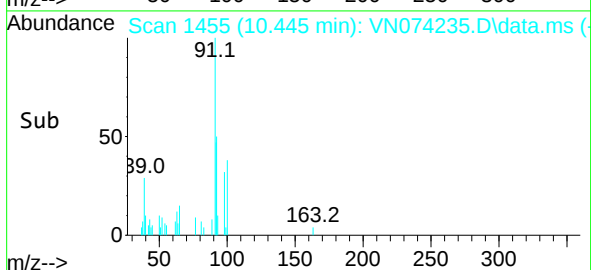
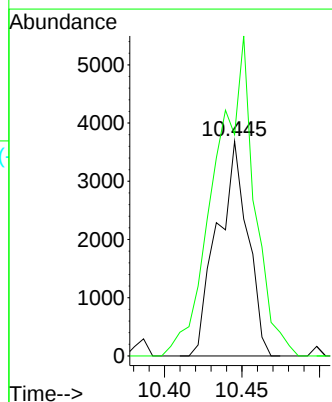
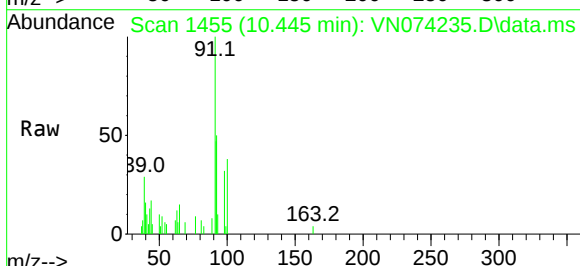
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

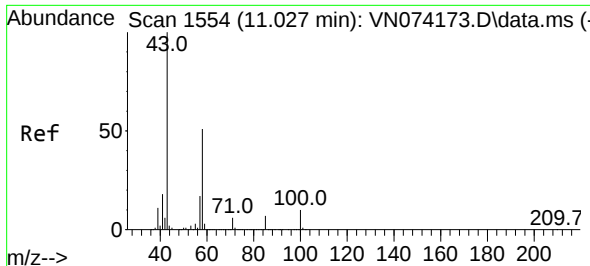
Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
58 19.5 34.1 51.1#



#52
Toluene
Concen: 0.650 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 92 Resp: 5032
Ion Ratio Lower Upper
92 100
91 191.2 138.6 207.8

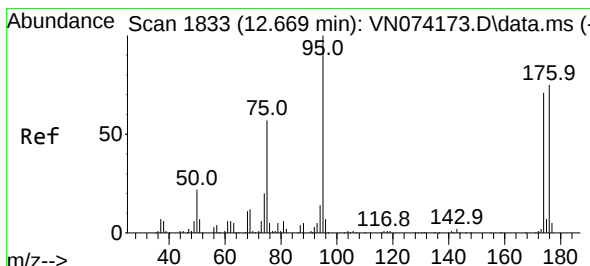
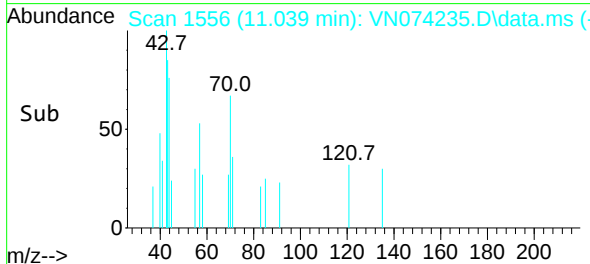
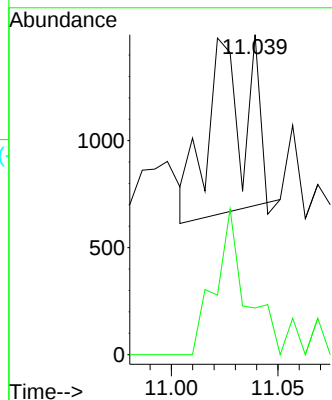
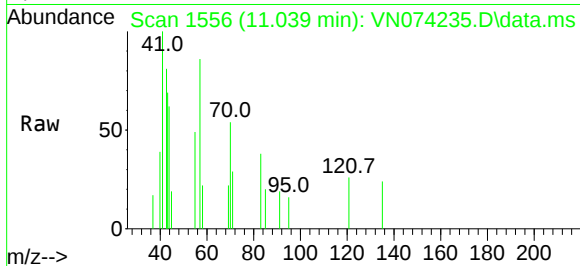




#59
2-Hexanone
Concen: 0.201 ug/l
RT: 11.039 min Scan# 11556
Delta R.T. 0.012 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

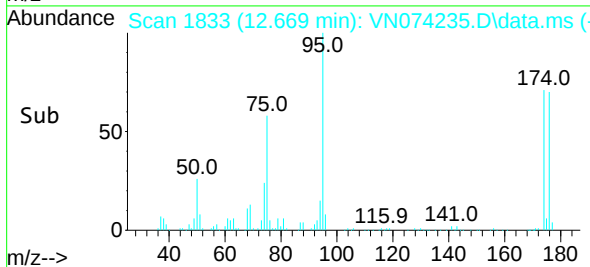
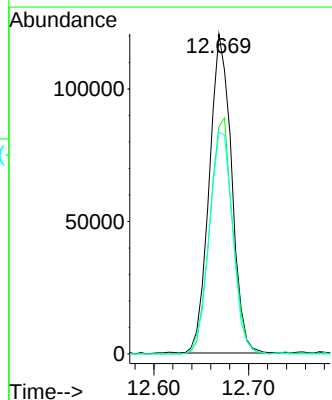
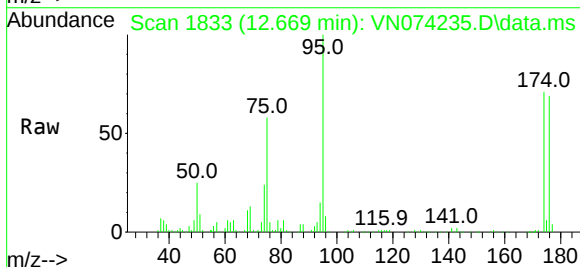
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

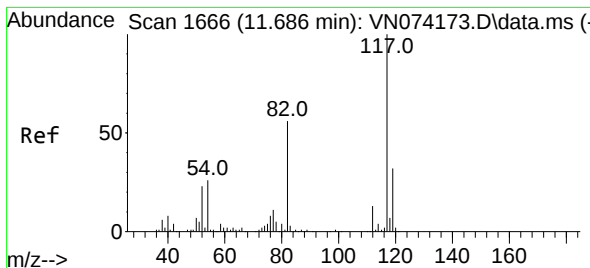
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
58 65.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 63.614 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion: 95 Resp: 196383
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 73.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

Instrument :

MSVOA_N

ClientSampleId :

WH-1DL

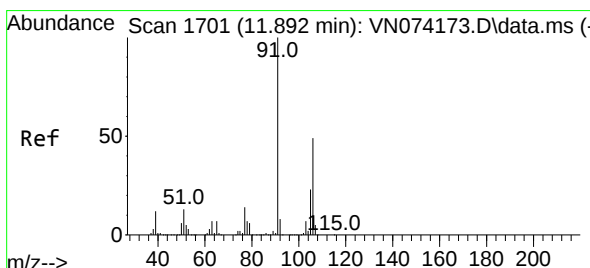
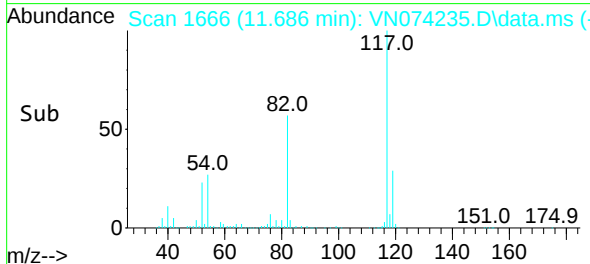
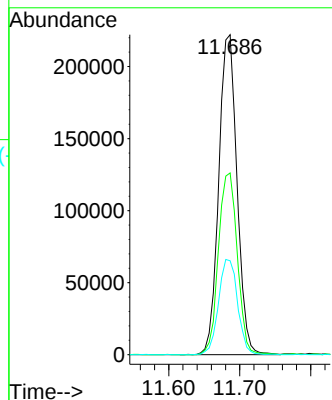
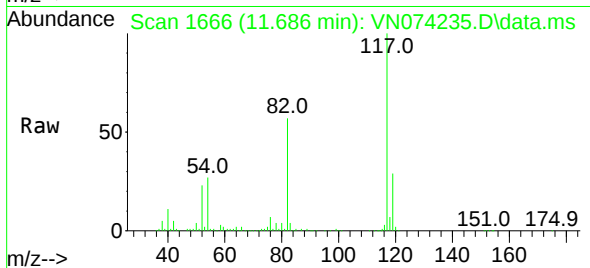
Tgt Ion:117 Resp: 395980

Ion Ratio Lower Upper

117 100

82 56.8 44.2 66.2

119 29.4 25.4 38.0



#68

m/p-Xylenes

Concen: 0.564 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN074235.D

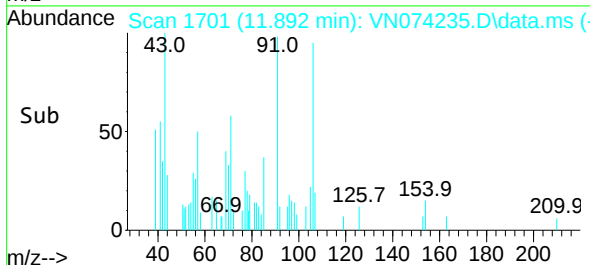
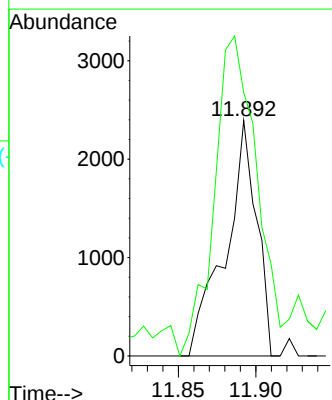
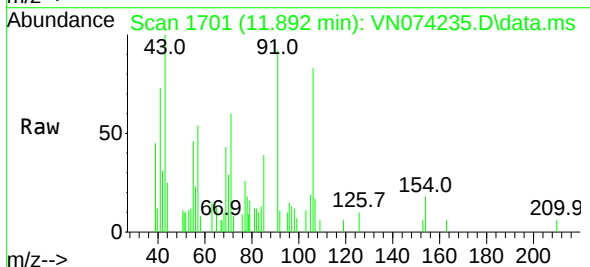
Acq: 01 Sep 2022 12:14

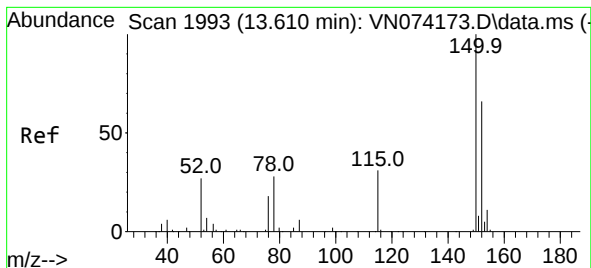
Tgt Ion:106 Resp: 3351

Ion Ratio Lower Upper

106 100

91 187.7 158.9 238.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074235.D

Acq: 01 Sep 2022 12:14

Instrument :

MSVOA_N

ClientSampleId :

WH-1DL

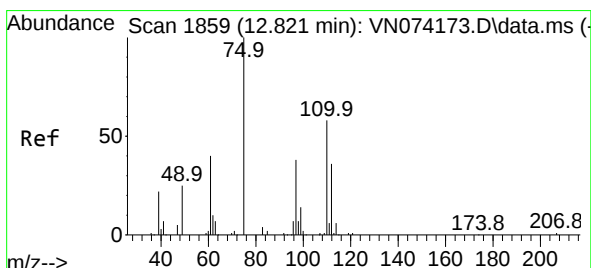
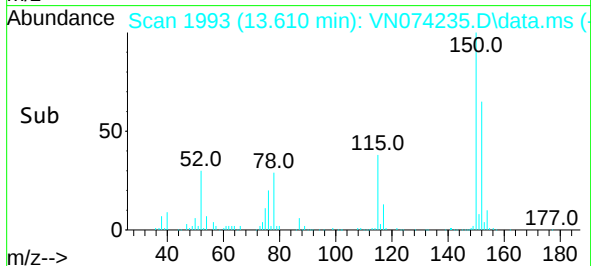
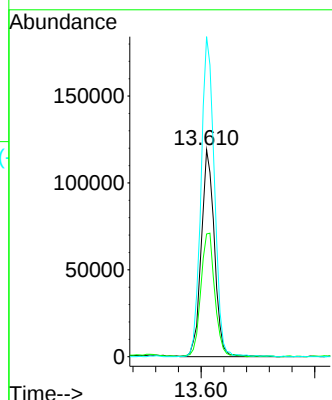
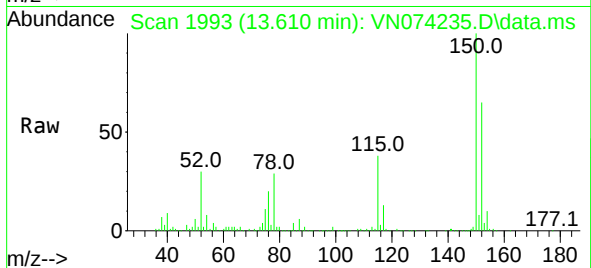
Tgt Ion:152 Resp: 191722

Ion Ratio Lower Upper

152 100

115 63.6 28.9 86.7

150 157.0 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 24.716 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.152 min

Lab File: VN074235.D

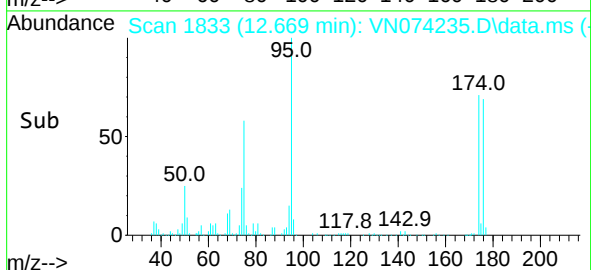
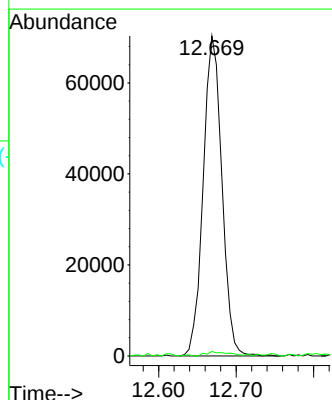
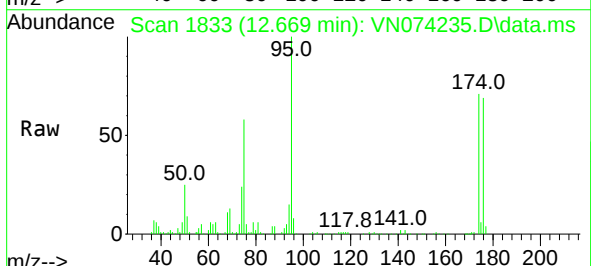
Acq: 01 Sep 2022 12:14

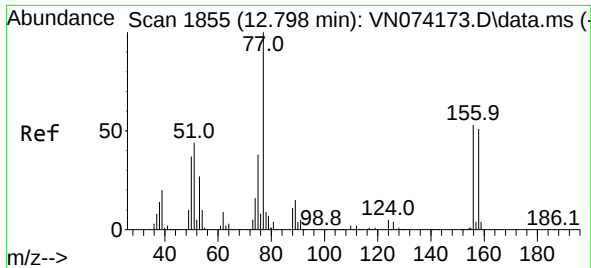
Tgt Ion: 75 Resp: 117867

Ion Ratio Lower Upper

75 100

77 1.7 98.5 295.5#

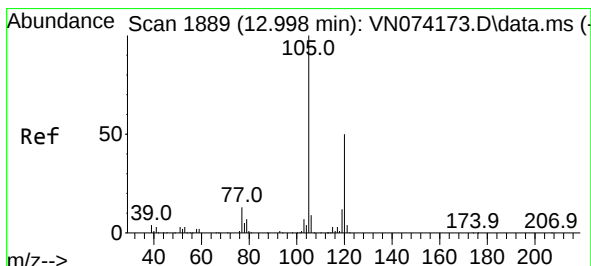
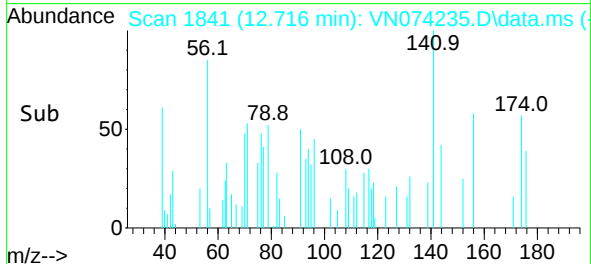
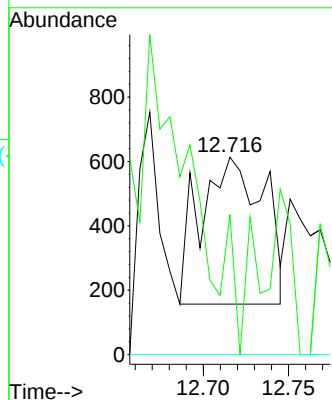
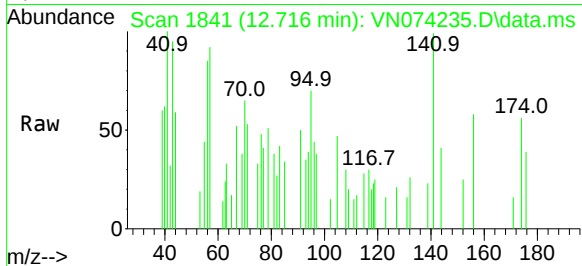




#77
Bromobenzene
Concen: 0.308 ug/l
RT: 12.716 min Scan# 1184
Delta R.T. -0.082 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

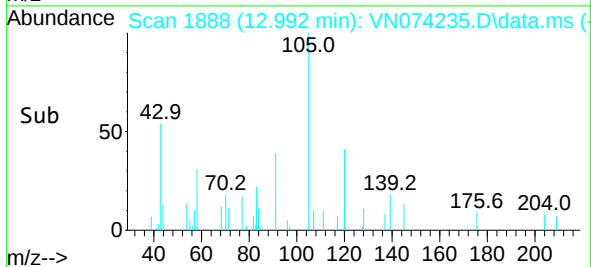
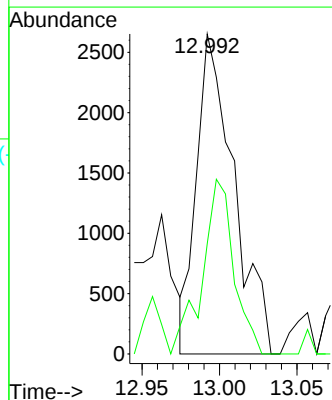
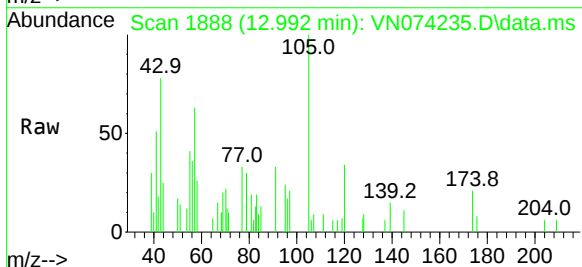
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

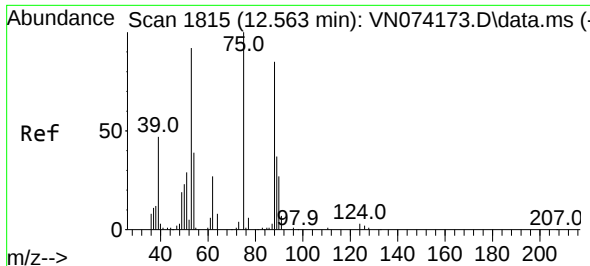
Tgt Ion:156 Resp: 1184
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#



#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

Tgt Ion:105 Resp: 4431
Ion Ratio Lower Upper
105 100
120 46.0 24.9 74.7

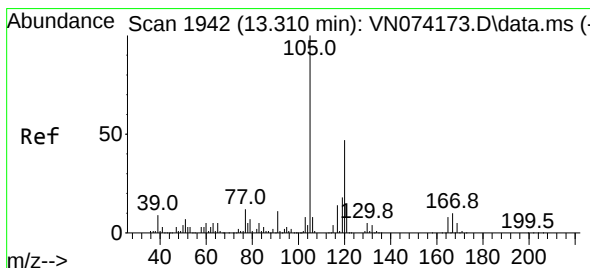
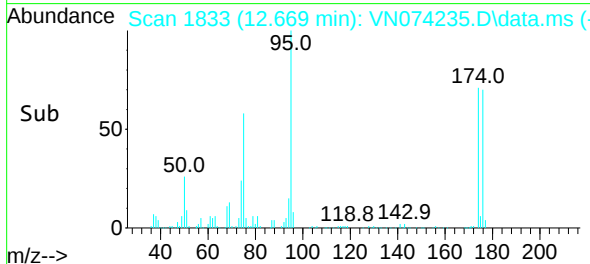
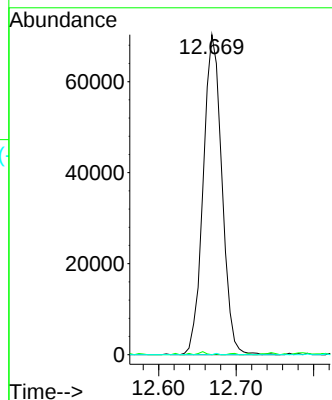
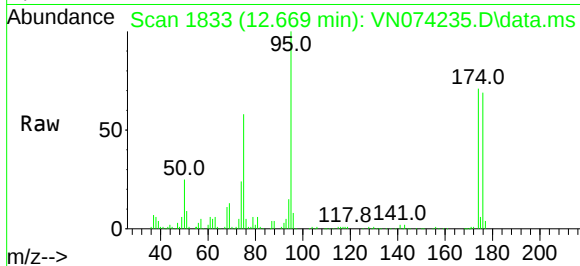




#81
trans-1,4-Dichloro-2-butene
Concen: 63.813 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

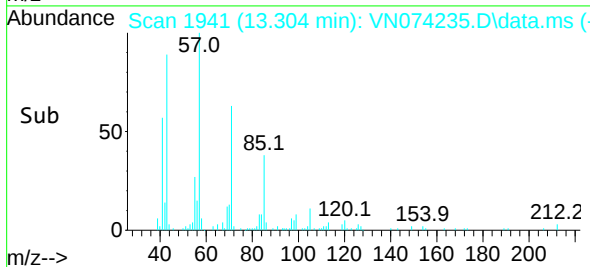
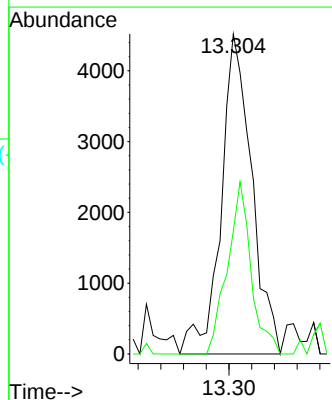
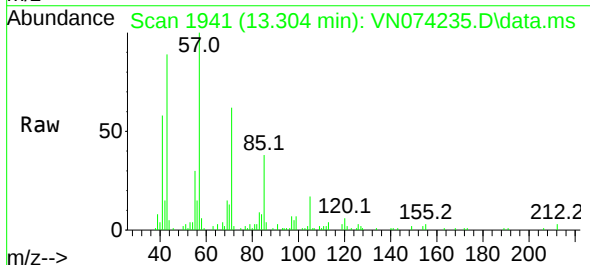
Instrument :
MSVOA_N
ClientSampleId :
WH-1DL

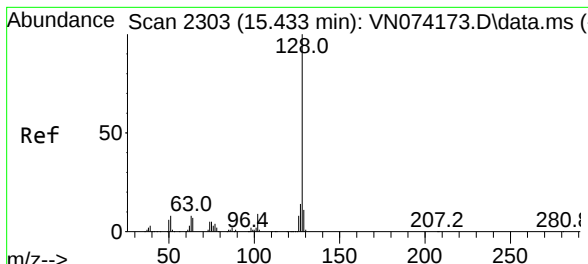
Tgt Ion: 75 Resp: 117867
Ion Ratio Lower Upper
75 100
53 0.5 78.0 117.0#
89 0.1 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.655 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074235.D
Acq: 01 Sep 2022 12:14

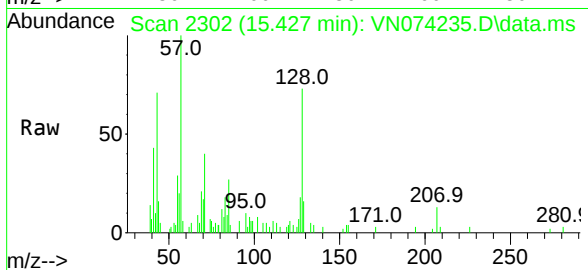
Tgt Ion: 105 Resp: 8438
Ion Ratio Lower Upper
105 100
120 41.6 23.3 69.8





#95
 Naphthalene
 Concen: 1.843 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074235.D
 Acq: 01 Sep 2022 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 WH-1DL



Tgt Ion:	128	Resp:	10309
Ion Ratio	Lower	Upper	
128	100		
127	16.4	10.3	15.5#
129	25.2	8.6	13.0#

