

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073440.D
 Acq On : 12 Jul 2022 16:35
 Operator : JC\MD
 Sample : N3636-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-150-170-070722

Quant Time: Jul 13 06:18:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

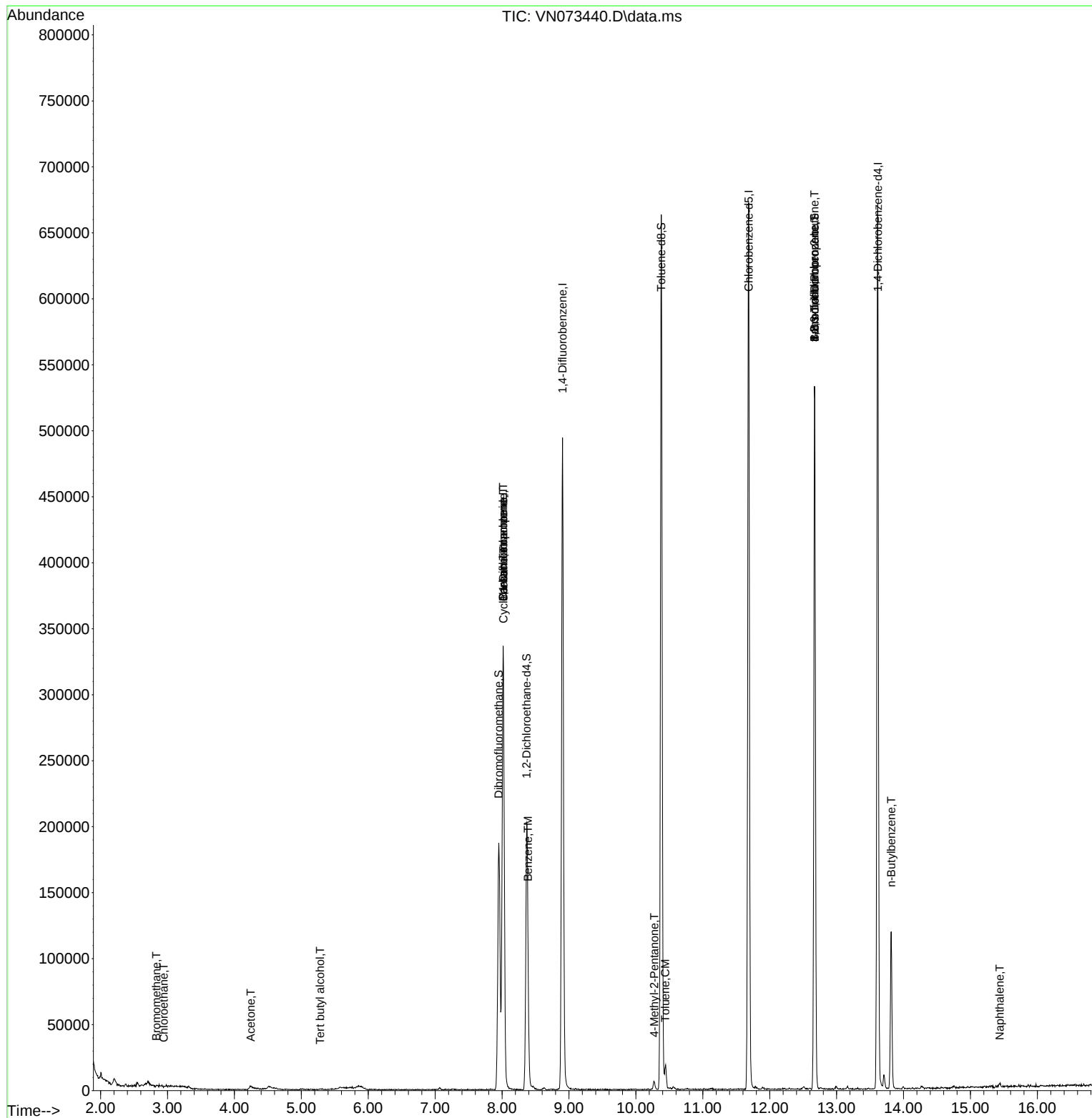
Internal Standards						
1) Pentafluorobenzene	8.016	168	243867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	416860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	379694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	180088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	167952	47.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.420%		
35) Dibromofluoromethane	7.951	113	138603	49.975	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	10.380	98	439091	44.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.160%		
62) 4-Bromofluorobenzene	12.669	95	186516	49.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.540%		
Target Compounds					Qvalue	
5) Bromomethane	2.834	94	285	0.205	ug/l #	2
6) Chloroethane	2.946	64	663	0.383	ug/l #	42
11) Tert butyl alcohol	5.281	59	374	0.439	ug/l #	72
16) Acetone	4.246	43	4842	2.450	ug/l #	76
31) Cyclohexane	8.022	56	5699	0.988	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	21260	4.982	ug/l #	48
38) Carbon Tetrachloride	8.016	117	25982	5.887	ug/l #	15
40) Benzene	8.386	78	9710	0.737	ug/l #	86
51) 4-Methyl-2-Pentanone	10.275	43	5464	0.930	ug/l #	76
52) Toluene	10.439	92	6234	0.766	ug/l	93
71) Bromoform	12.669	173	1252	0.542	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	99053	21.035	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	99053	57.688	ug/l #	10
89) n-Butylbenzene	13.815	91	10187	0.992	ug/l #	42
95) Naphthalene	15.439	128	3088	0.222	ug/l #	86

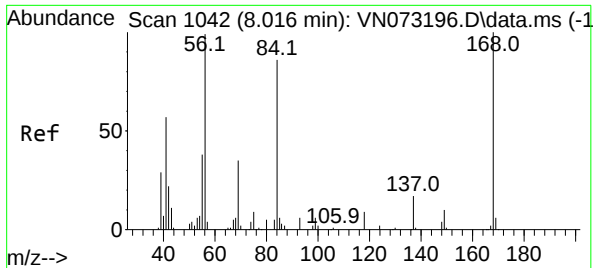
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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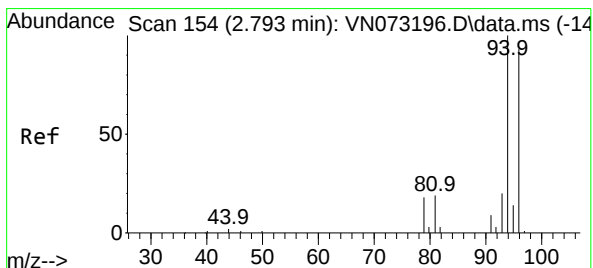
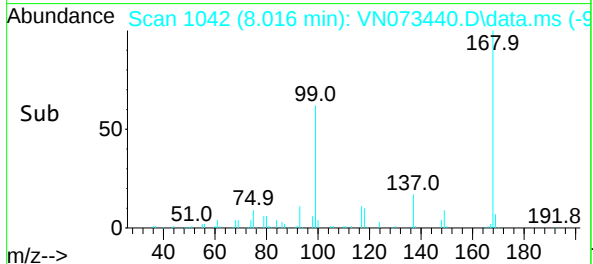
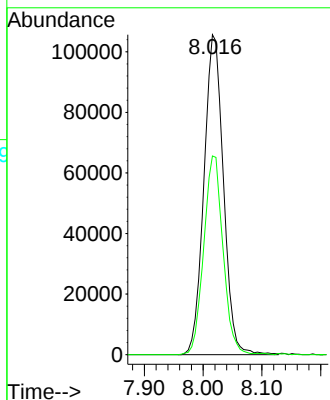
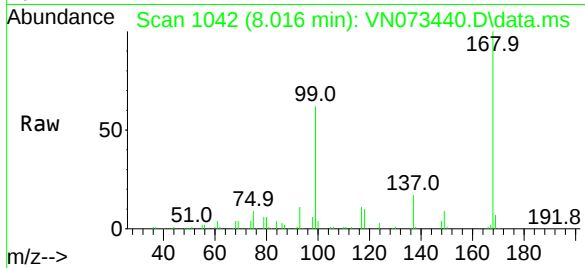




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

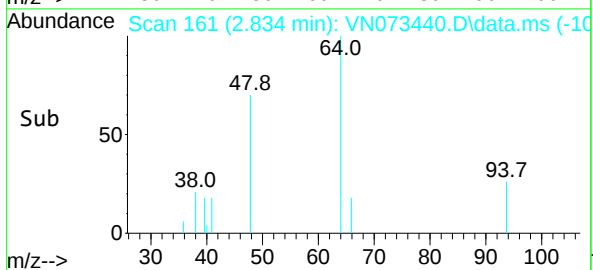
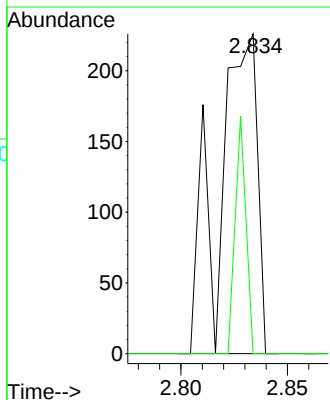
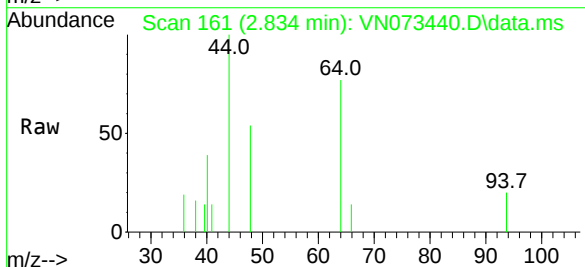
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-150-170-070722

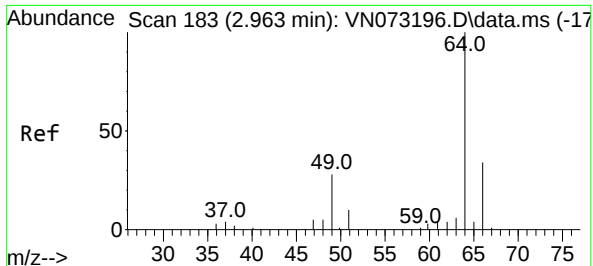
Tgt Ion:168 Resp: 243867
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

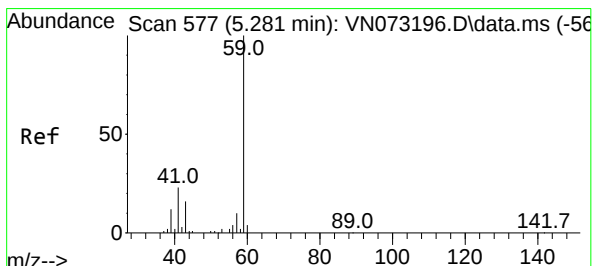
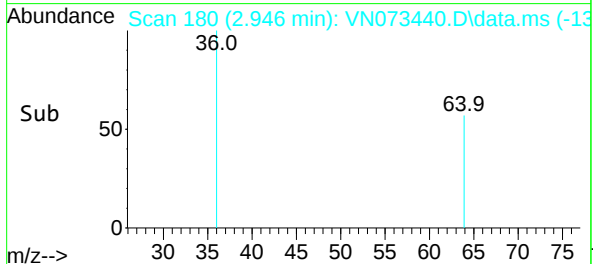
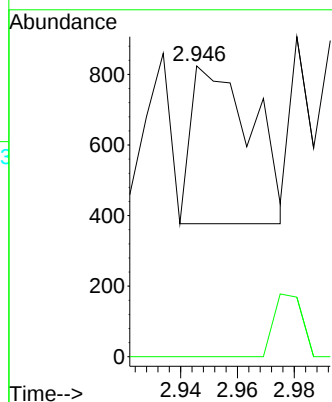
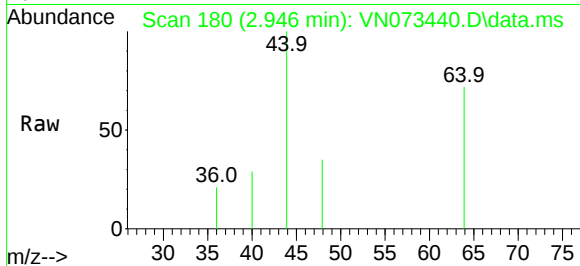




#6
Chloroethane
Concen: 0.383 ug/l
RT: 2.946 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

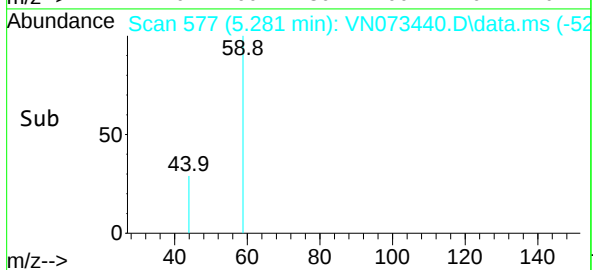
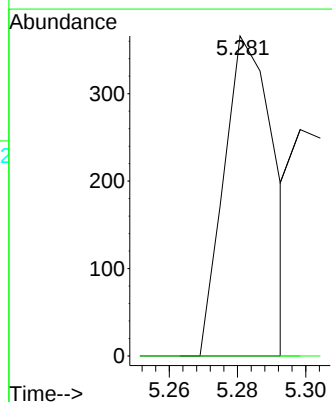
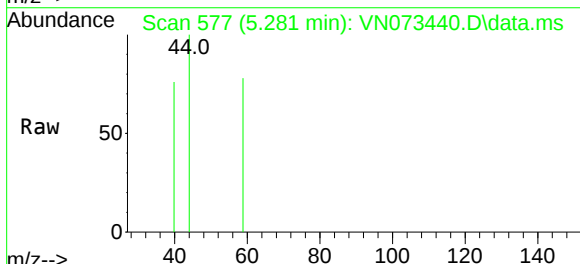
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-150-170-070722

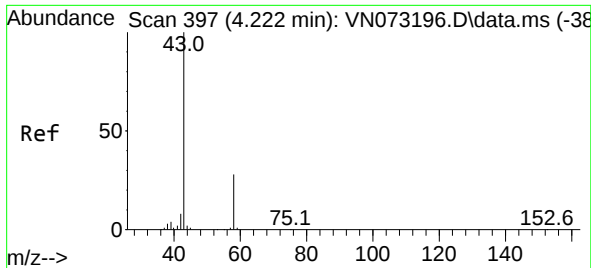
Tgt Ion: 64 Resp: 663
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.450 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN073440.D

Acq: 12 Jul 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

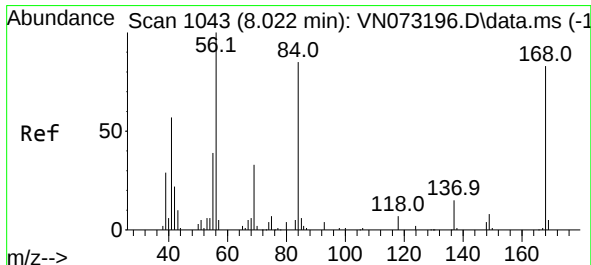
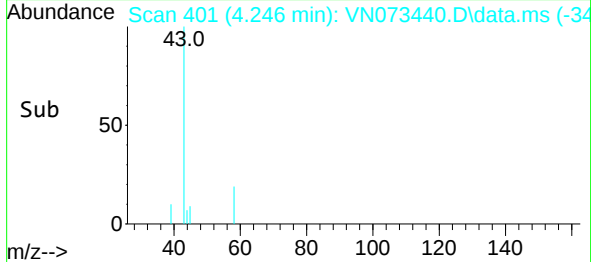
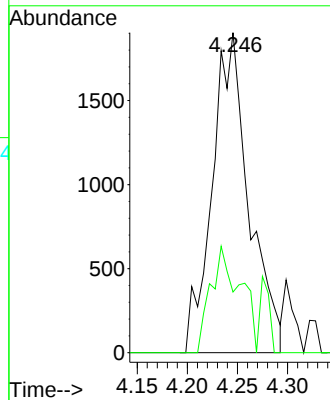
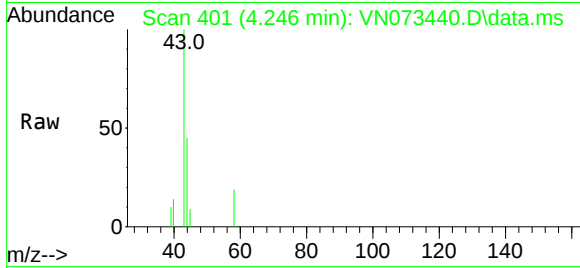
GWOW-BR-03-150-170-070722

Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

43 100

58 19.0 26.0 39.0#



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073440.D

Acq: 12 Jul 2022 16:35

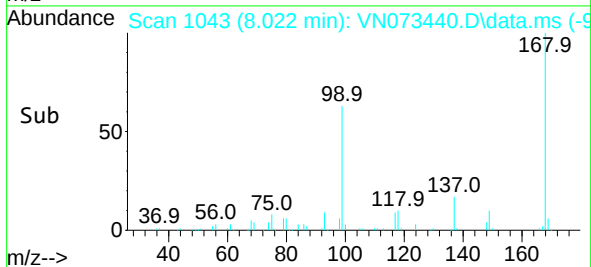
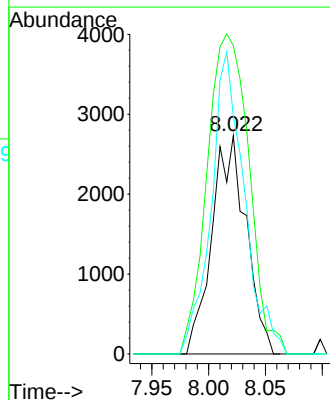
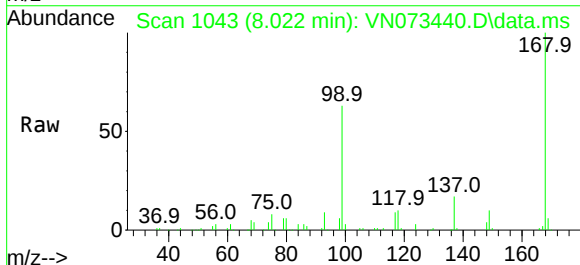
Tgt Ion: 56 Resp: 5699

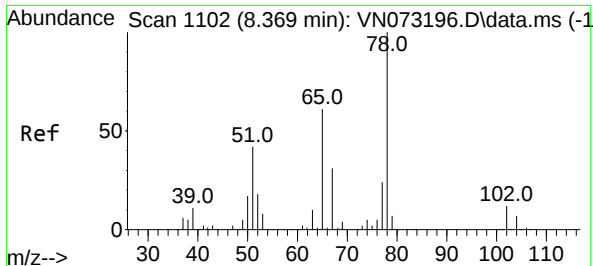
Ion Ratio Lower Upper

56 100

69 141.3 27.8 41.8#

84 109.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.707 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073440.D

Acq: 12 Jul 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

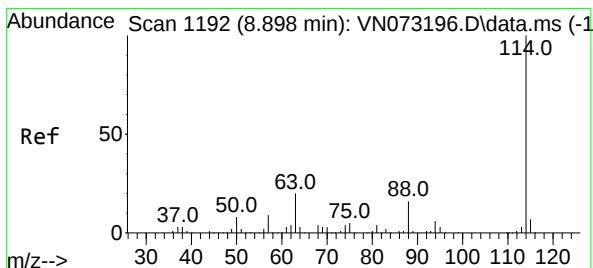
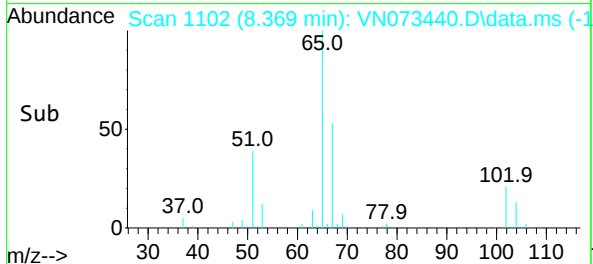
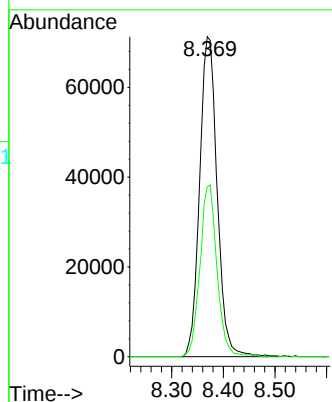
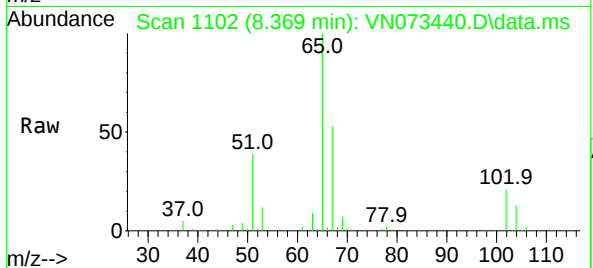
GWOW-BR-03-150-170-070722

Tgt Ion: 65 Resp: 167952

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073440.D

Acq: 12 Jul 2022 16:35

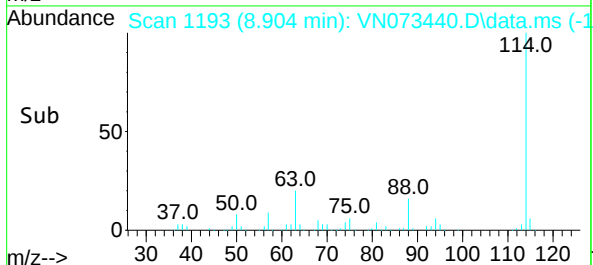
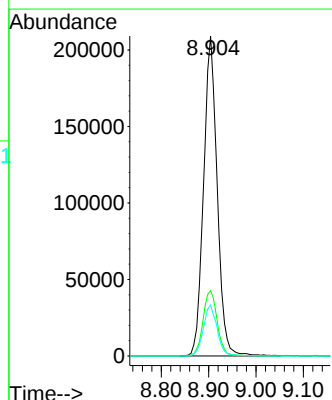
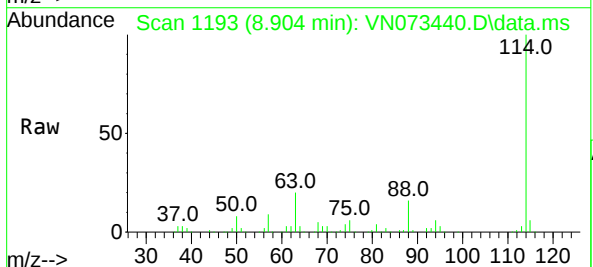
Tgt Ion: 114 Resp: 416860

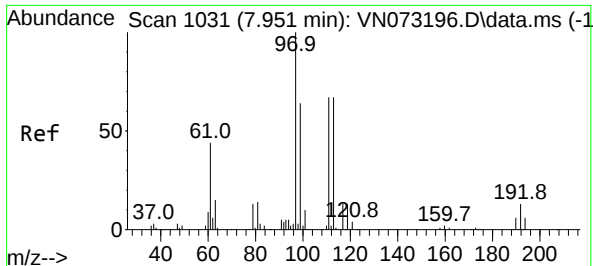
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.975 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073440.D

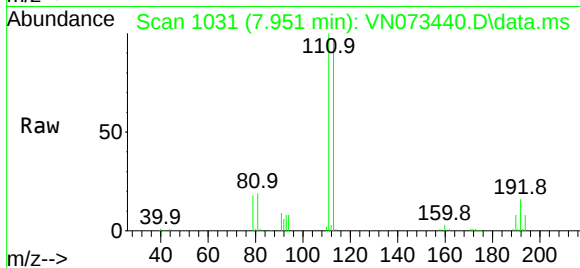
Acq: 12 Jul 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

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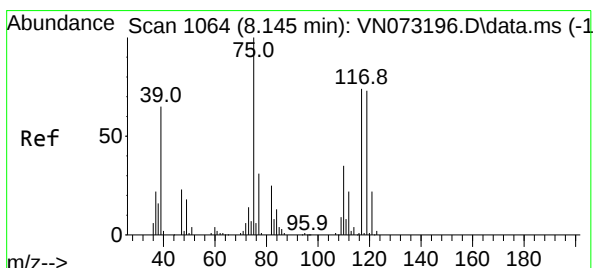
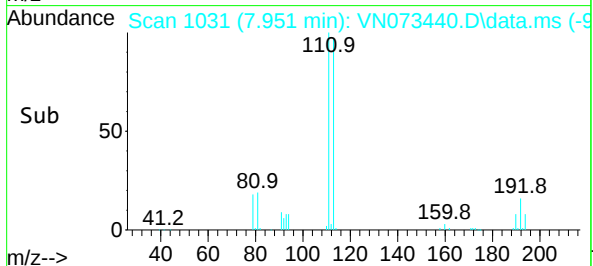
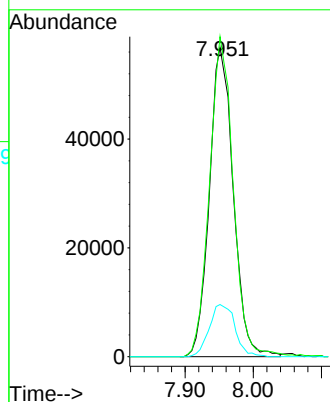
Tgt Ion:113 Resp: 138603

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073440.D

Acq: 12 Jul 2022 16:35

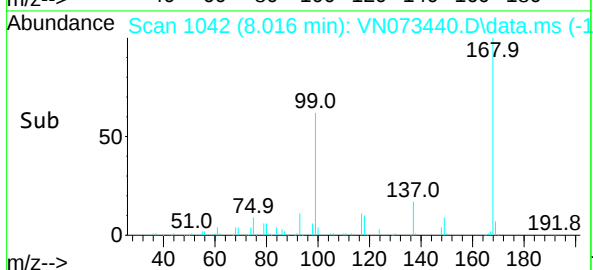
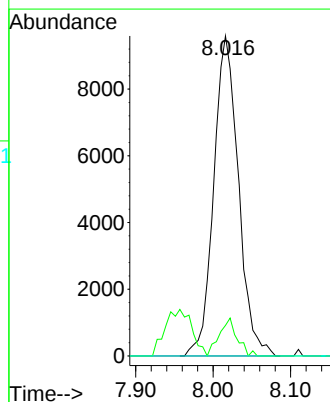
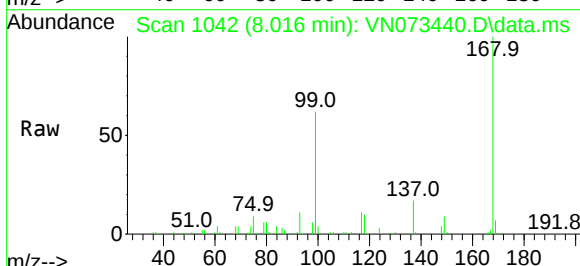
Tgt Ion: 75 Resp: 21260

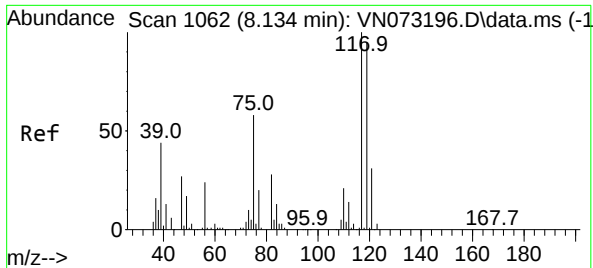
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#

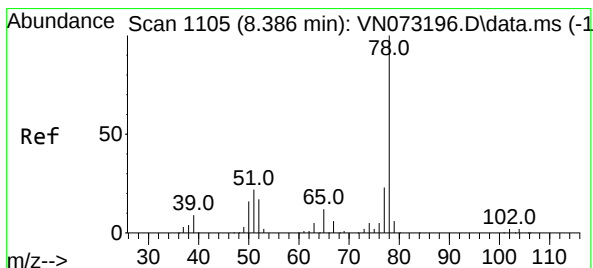
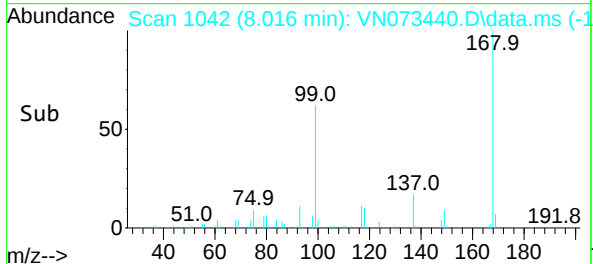
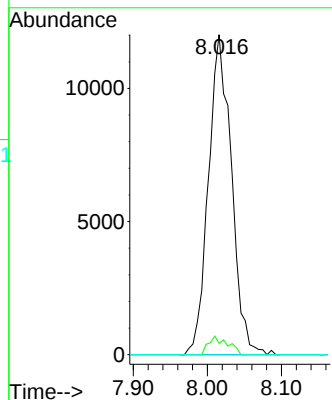
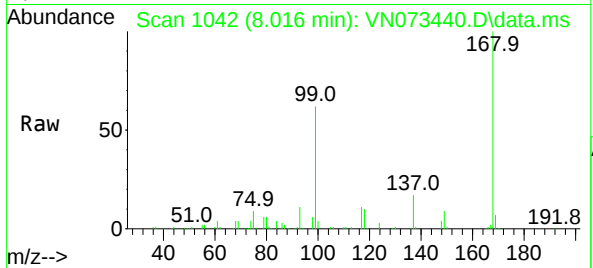




#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 8.016 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

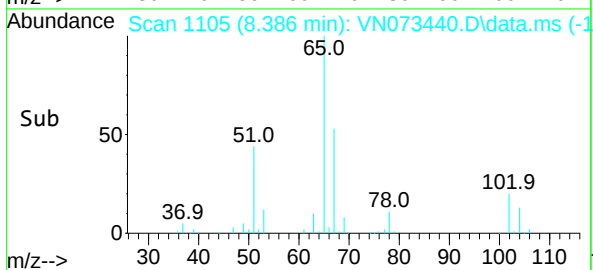
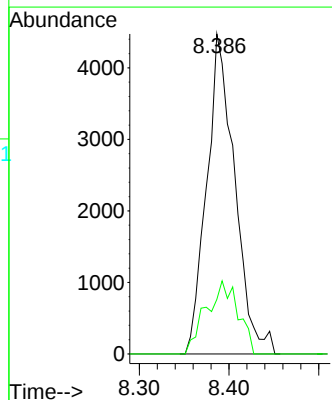
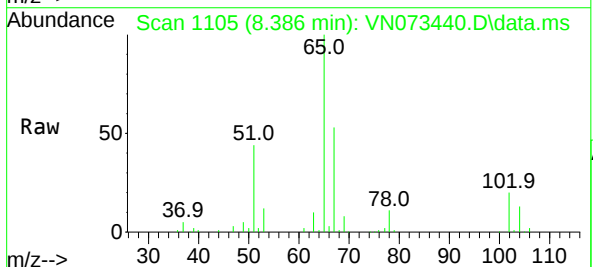
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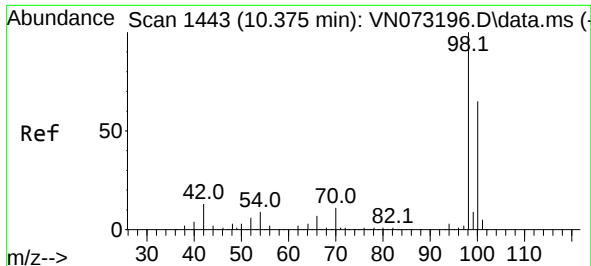
Tgt Ion:117 Resp: 25982
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.737 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 78 Resp: 9710
Ion Ratio Lower Upper
78 100
77 17.0 19.4 29.0#

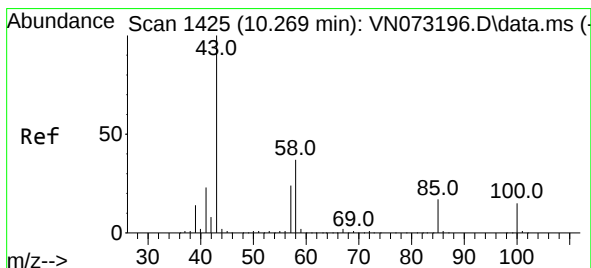
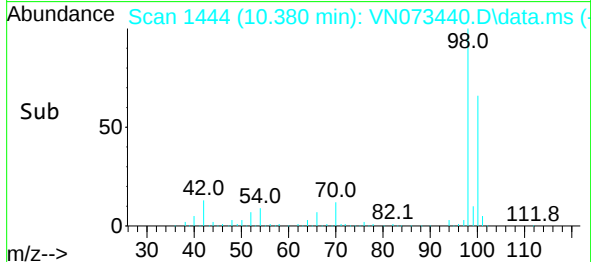
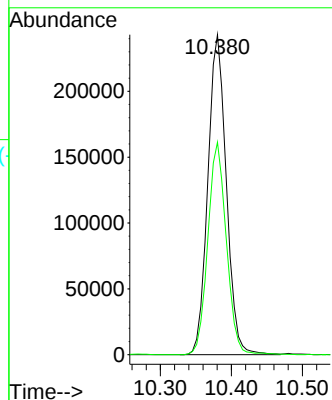
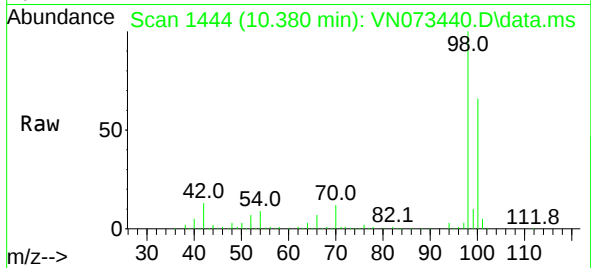




#50
Toluene-d8
Concen: 44.576 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

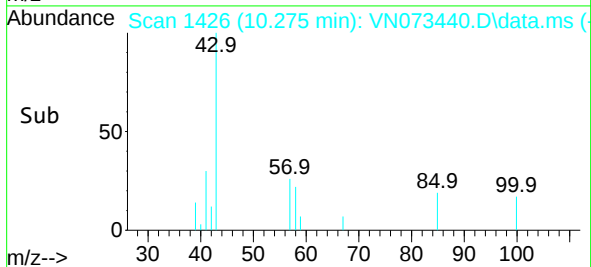
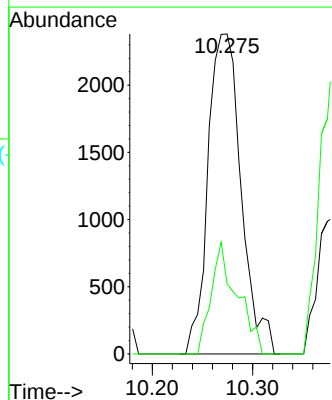
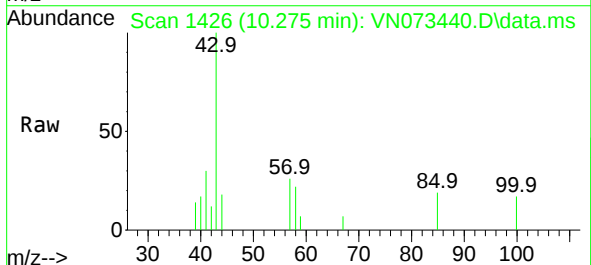
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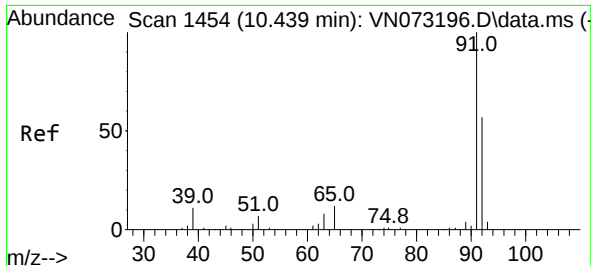
Tgt Ion: 98 Resp: 439091
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.930 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 43 Resp: 5464
Ion Ratio Lower Upper
43 100
58 27.4 34.1 51.1#

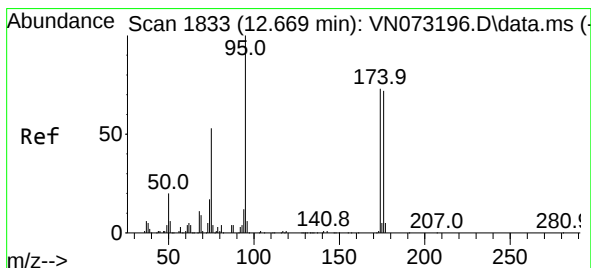
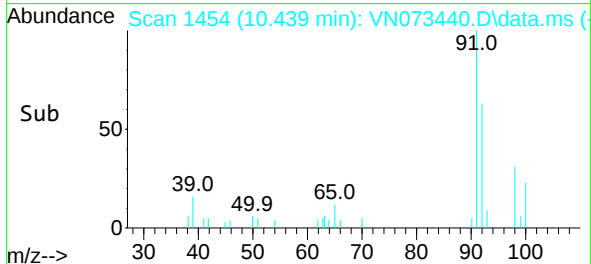
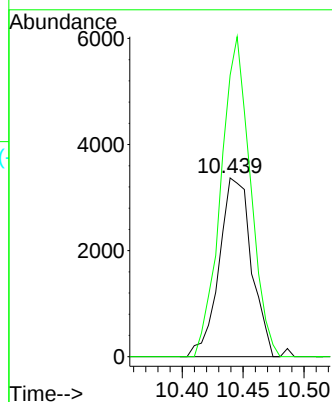
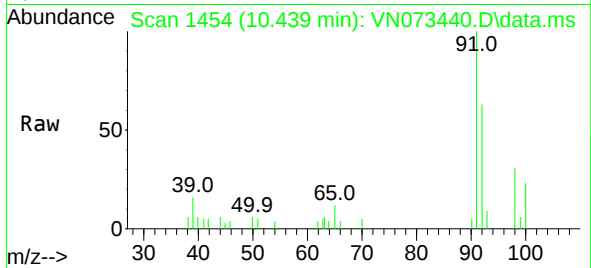




#52
Toluene
Concen: 0.766 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

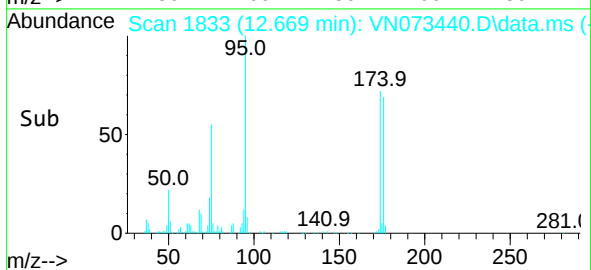
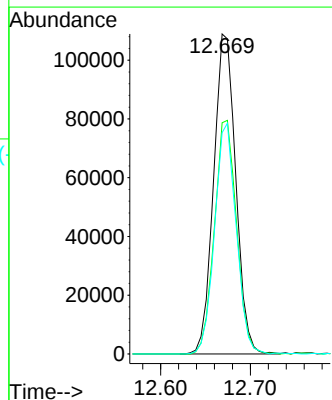
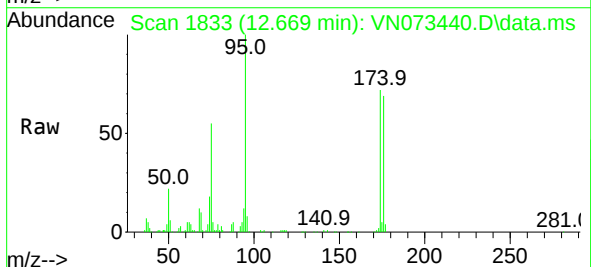
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-150-170-070722

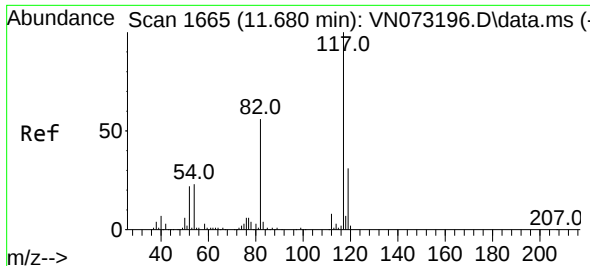
Tgt Ion: 92 Resp: 6234
Ion Ratio Lower Upper
92 100
91 163.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.272 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 95 Resp: 186516
Ion Ratio Lower Upper
95 100
174 73.2 0.0 167.6
176 70.2 0.0 163.4

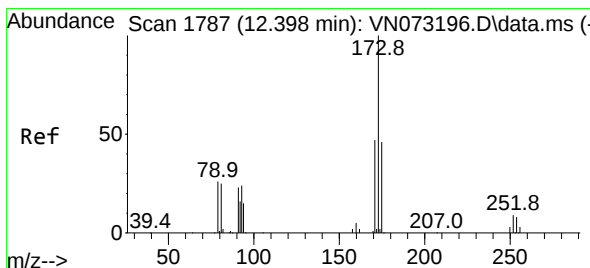
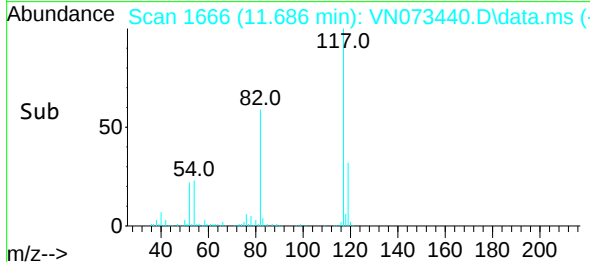
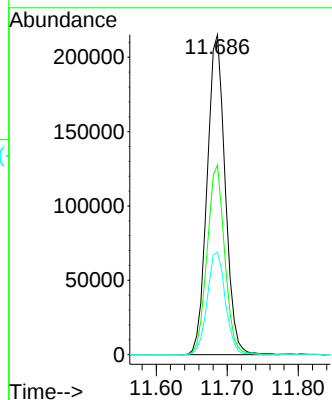
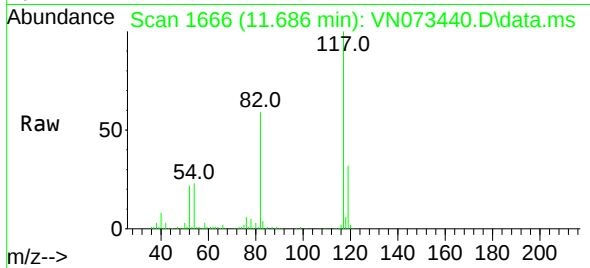




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

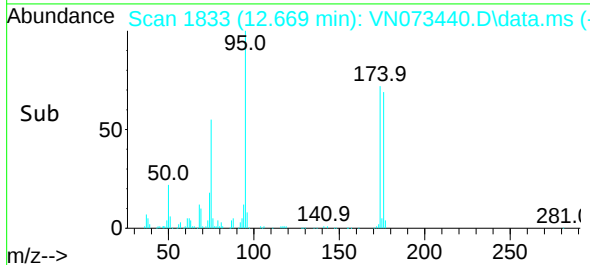
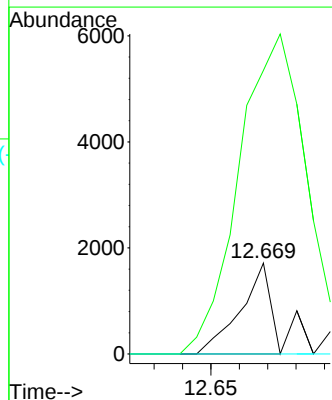
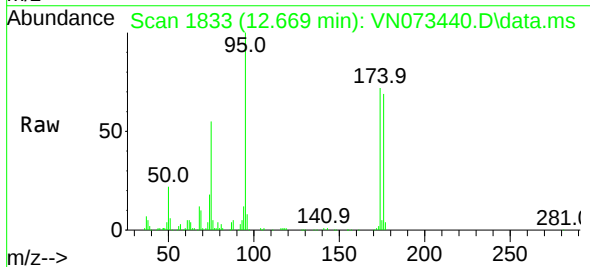
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-150-170-070722

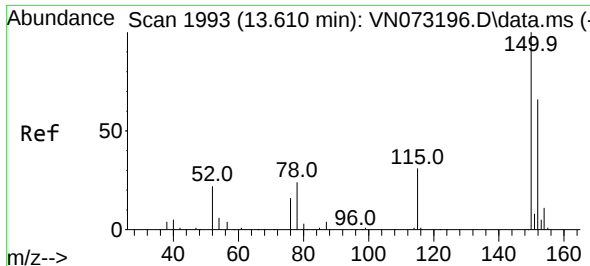
Tgt Ion:117 Resp: 379694
Ion Ratio Lower Upper
117 100
82 59.2 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.542 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion:173 Resp: 1252
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

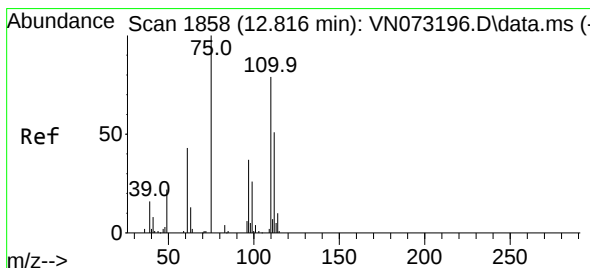
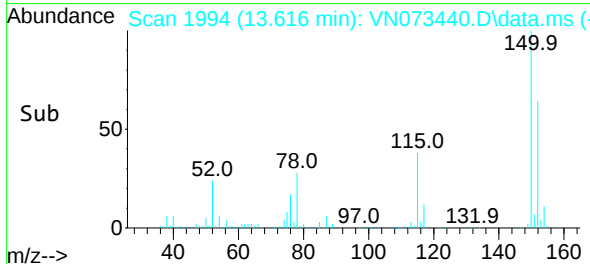
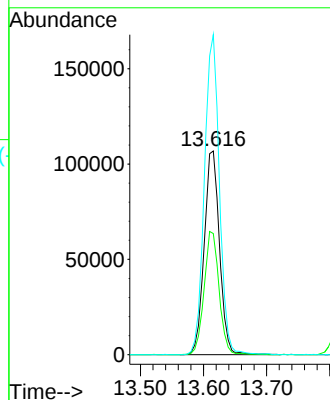
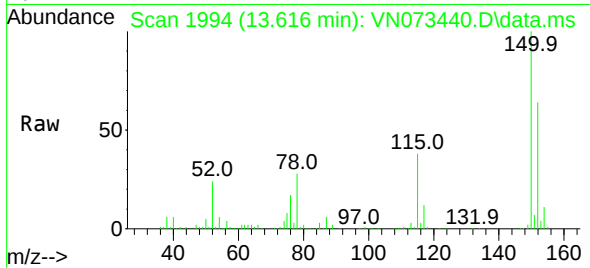




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VN073440.D
 Acq: 12 Jul 2022 16:35

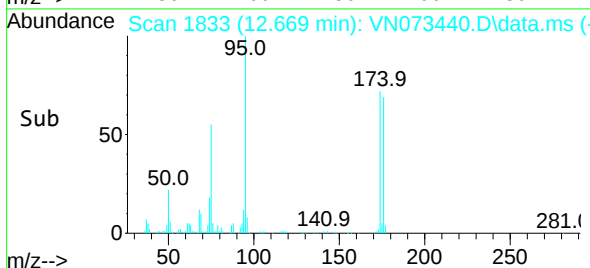
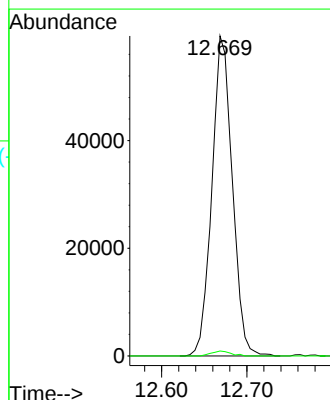
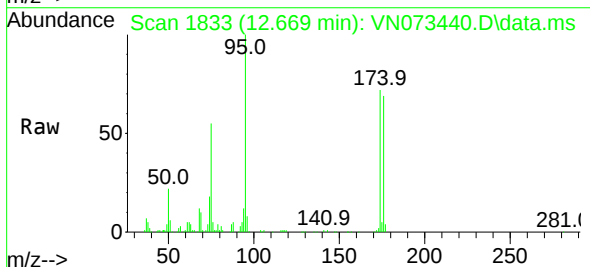
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-150-170-070722

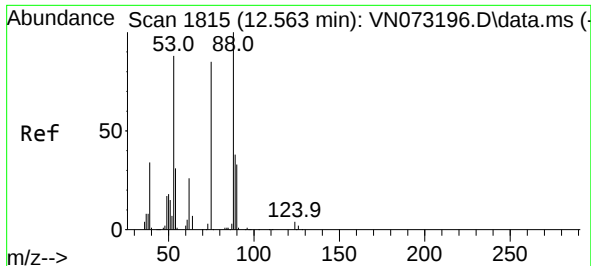
Tgt Ion:152 Resp: 180088
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.9 86.7
 150 154.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.035 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073440.D
 Acq: 12 Jul 2022 16:35

Tgt Ion: 75 Resp: 99053
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

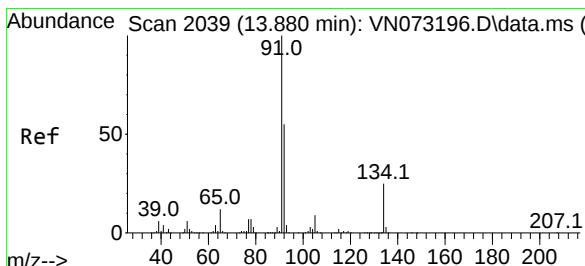
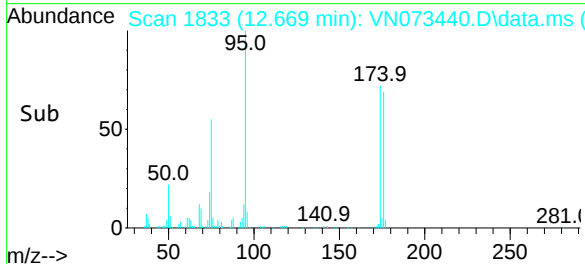
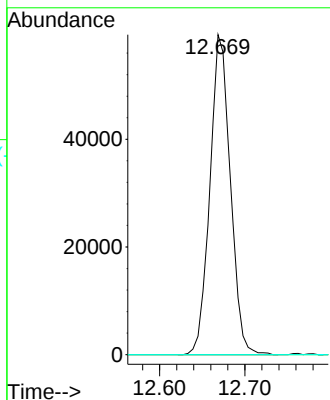
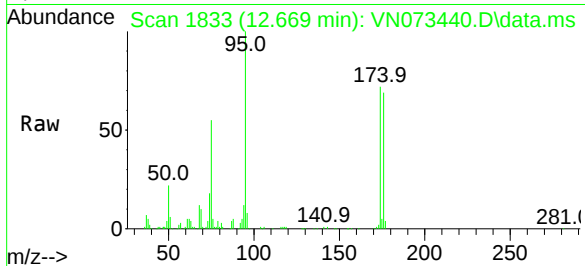




#81
trans-1,4-Dichloro-2-butene
Concen: 57.688 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

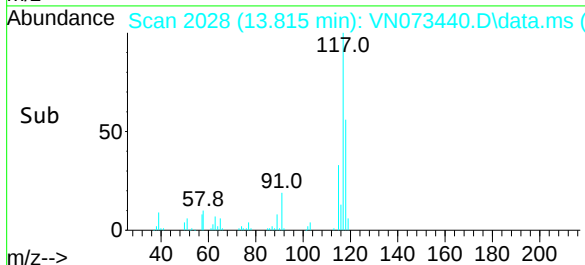
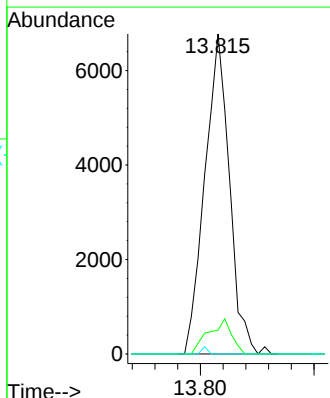
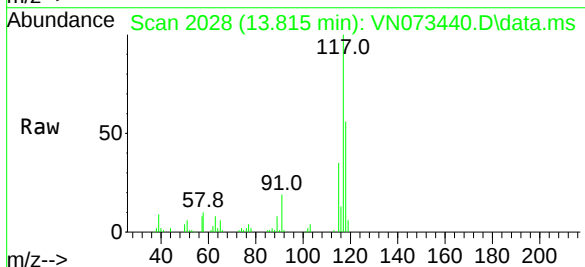
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-150-170-070722

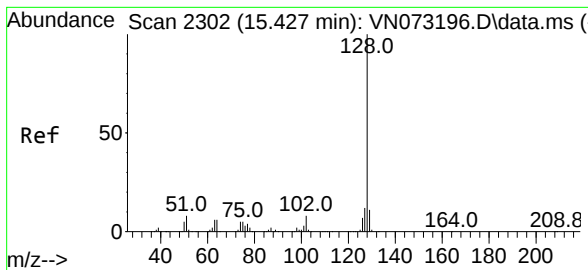
Tgt Ion: 75 Resp: 99053
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.992 ug/l
RT: 13.815 min Scan# 2028
Delta R.T. -0.065 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Tgt Ion: 91 Resp: 10187
Ion Ratio Lower Upper
91 100
92 10.3 26.9 80.7#
134 0.5 13.6 40.8#





#95
Naphthalene
Concen: 0.222 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073440.D
Acq: 12 Jul 2022 16:35

Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-150-170-070722

Tgt Ion:	128	Resp:	3088
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.3	15.5
129	0.0	8.6	13.0

