

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073438.D
 Acq On : 12 Jul 2022 15:46
 Operator : JC\MD
 Sample : N3616-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-102-122-070622

Quant Time: Jul 13 06:18:42 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)

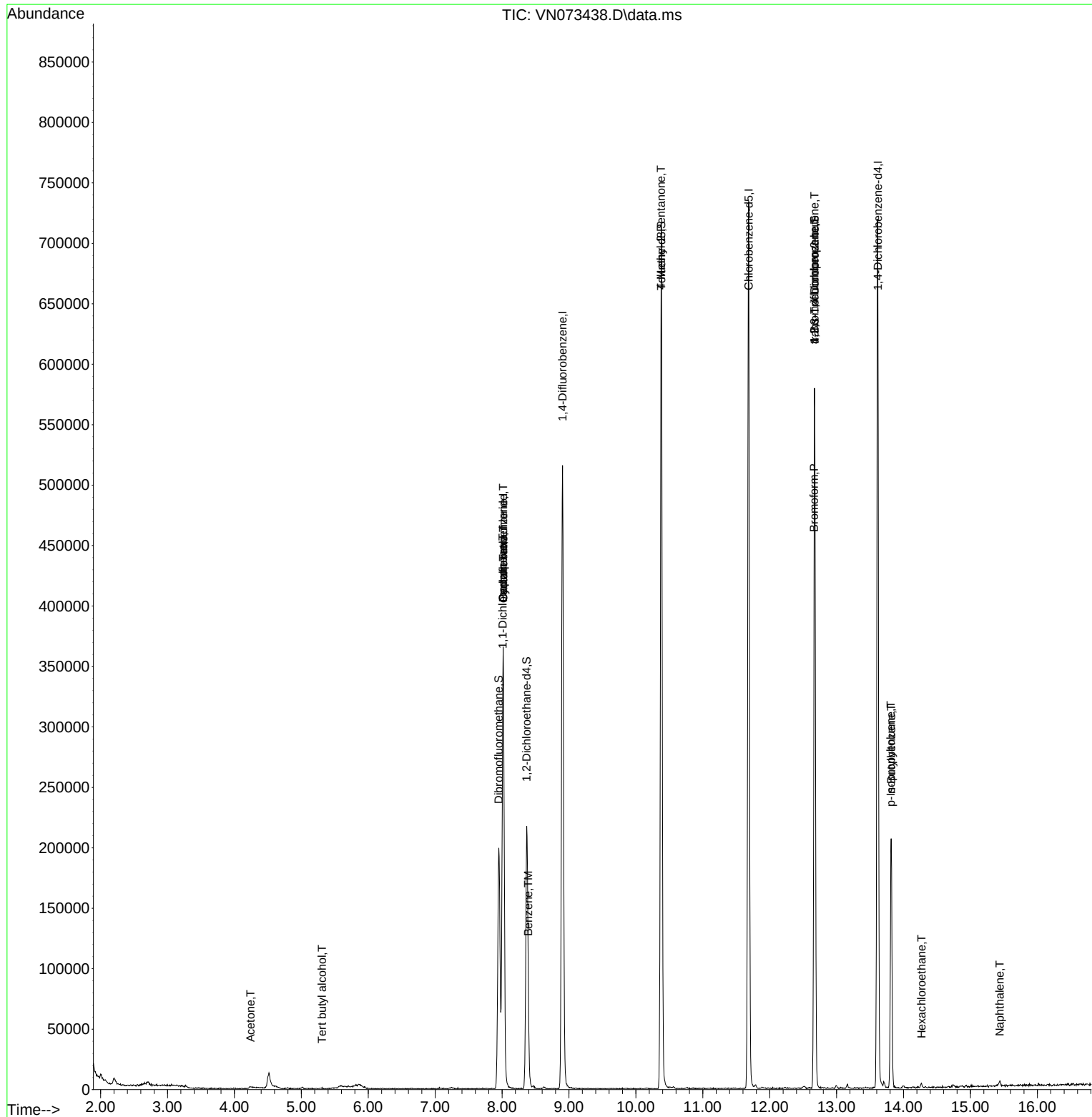
Internal Standards						
1) Pentafluorobenzene	8.016	168	263302	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	450319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	409932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	192215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	176571	46.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.900%
35) Dibromofluoromethane	7.951	113	149086	49.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.520%
50) Toluene-d8	10.380	98	473175	44.468	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.940%
62) 4-Bromofluorobenzene	12.669	95	199111	48.691	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.380%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.310	59	536	0.582	ug/l	# 72
16) Acetone	4.240	43	3379	1.584	ug/l	92
31) Cyclohexane	8.016	56	6917	1.111	ug/l	# 24
36) 1,1-Dichloropropene	8.010	75	23095	5.010	ug/l	# 48
38) Carbon Tetrachloride	8.016	117	27818	5.835	ug/l	# 18
40) Benzene	8.392	78	12405	0.872	ug/l	96
51) 4-Methyl-2-Pentanone	10.375	43	2595	0.409	ug/l	# 1
71) Bromoform	12.663	173	987	0.396	ug/l	# 28
76) 1,2,3-Trichloropropane	12.669	75	108081	21.504	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	108081	58.974	ug/l	# 10
86) p-Isopropyltoluene	13.810	119	5052	0.384	ug/l	# 1
89) n-Butylbenzene	13.816	91	17574	1.603	ug/l	# 43
90) Hexachloroethane	14.268	117	2258	0.921	ug/l	# 9
95) Naphthalene	15.439	128	5252	0.355	ug/l	# 88

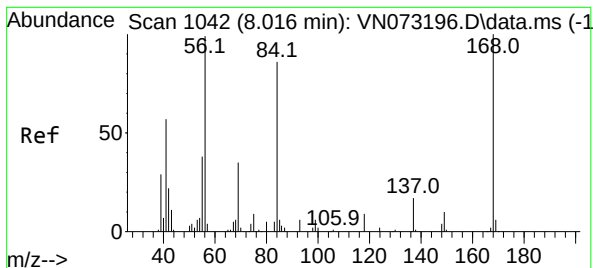
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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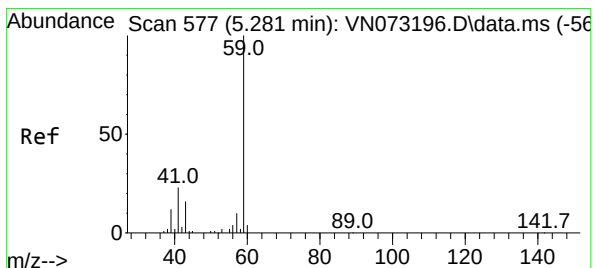
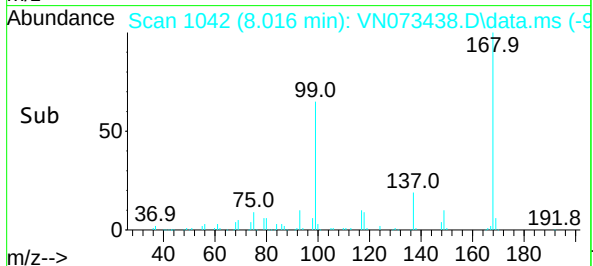
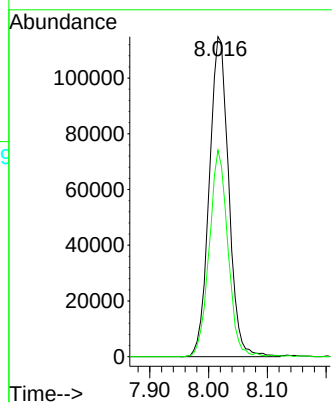
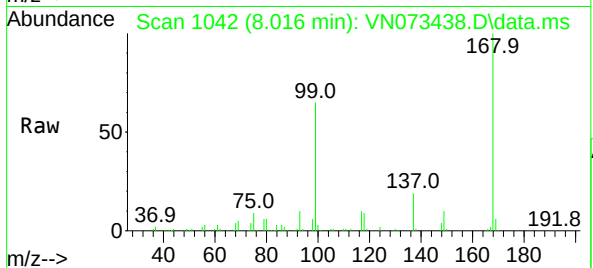




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

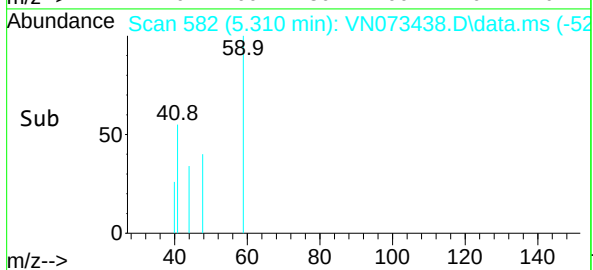
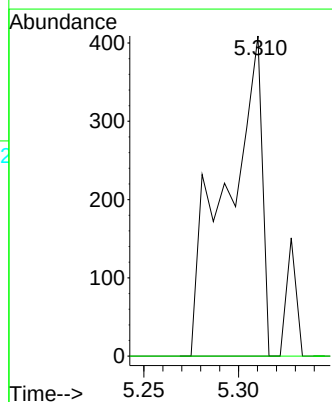
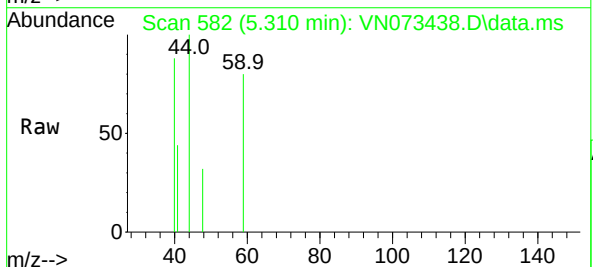
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-102-122-070622

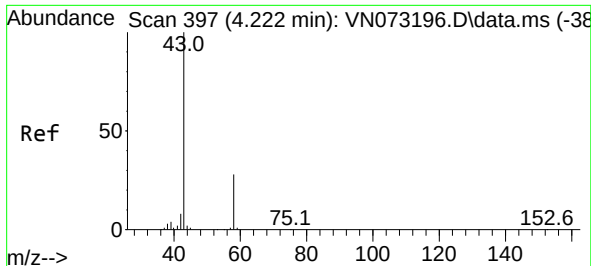
Tgt Ion:168 Resp: 263302
Ion Ratio Lower Upper
168 100
99 64.4 42.3 63.5#



#11
Tert butyl alcohol
Concen: 0.582 ug/l
RT: 5.310 min Scan# 582
Delta R.T. 0.029 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

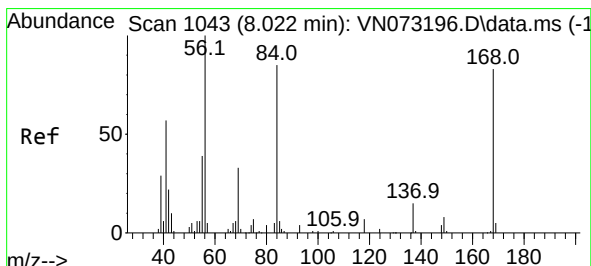
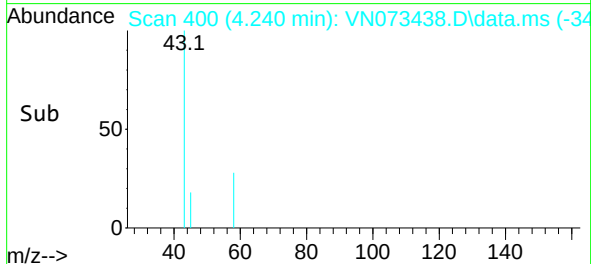
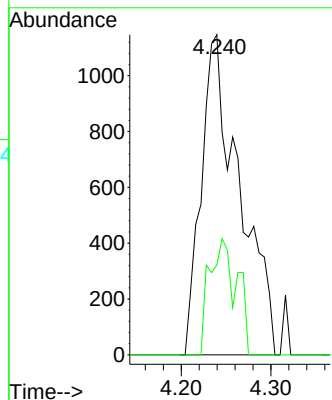
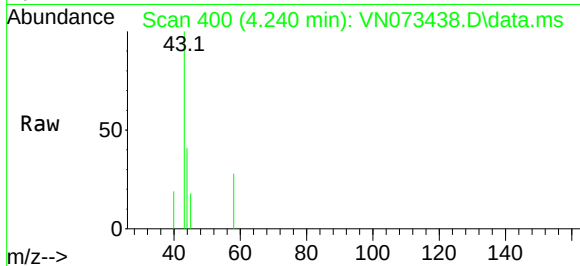




#16
Acetone
Concen: 1.584 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.018 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

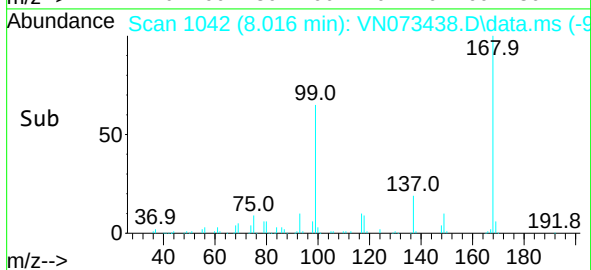
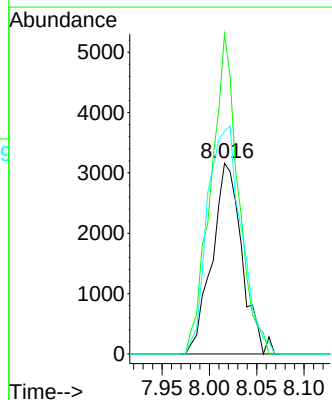
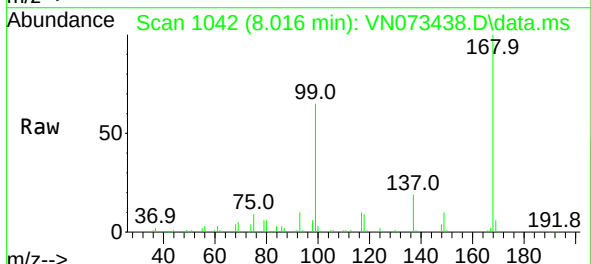
Instrument :
MSVOA_N
ClientSampleId :
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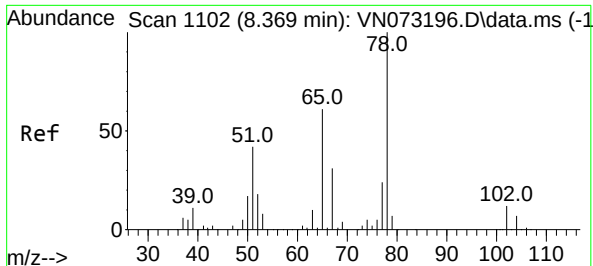
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
58 28.1 26.0 39.0



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 56 Resp: 6917
Ion Ratio Lower Upper
56 100
69 167.7 27.8 41.8#
84 116.6 76.9 115.3#

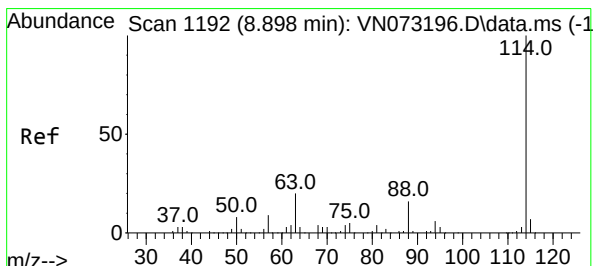
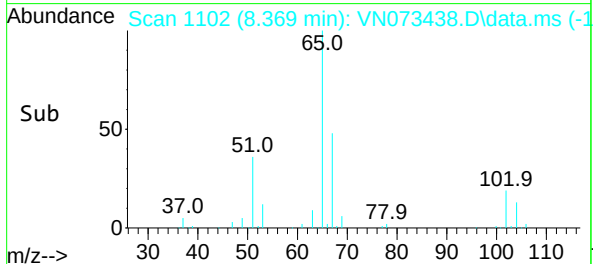
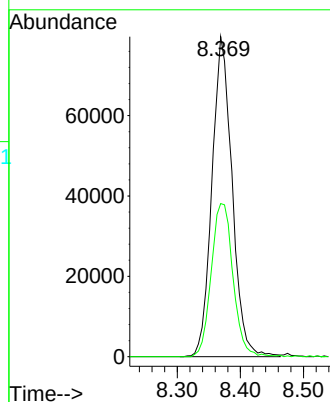
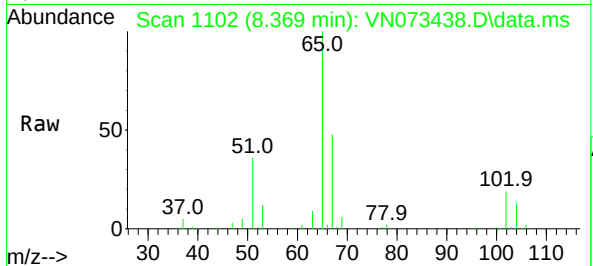




#33
1,2-Dichloroethane-d4
Concen: 46.453 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

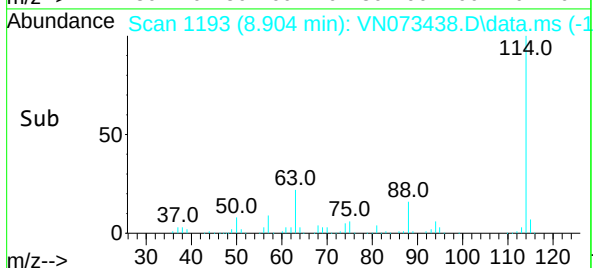
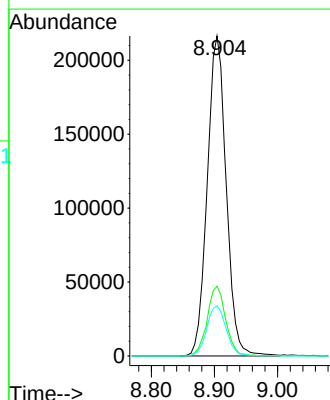
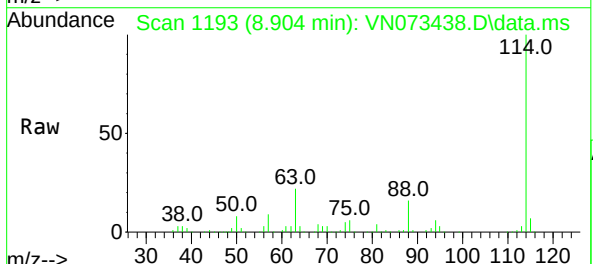
Instrument :
MSVOA_N
ClientSampleId :
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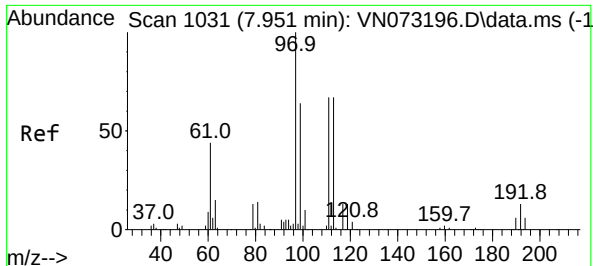
Tgt Ion: 65 Resp: 176571
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 114 Resp: 450319
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.0
88 15.7 0.0 32.6

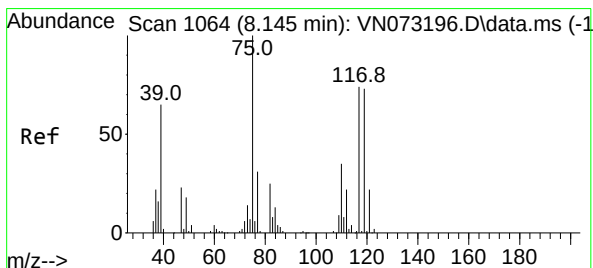
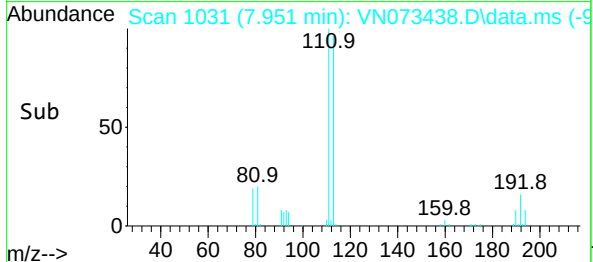
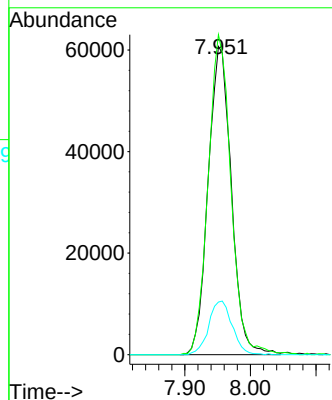
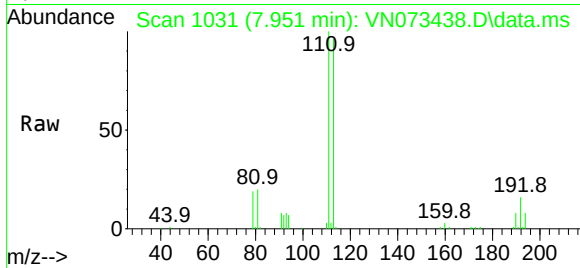




#35
Dibromofluoromethane
Concen: 49.761 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

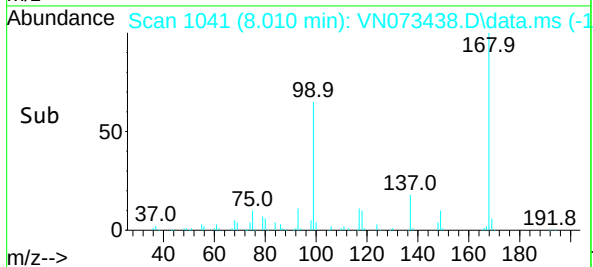
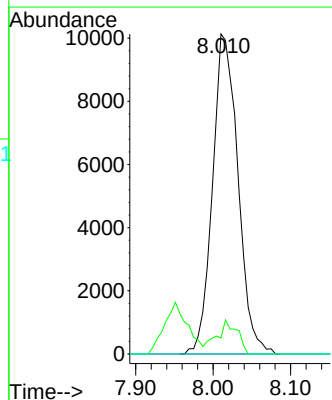
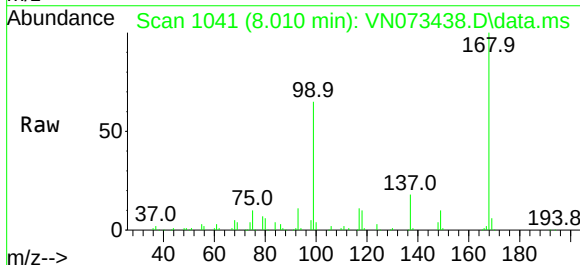
Instrument :
MSVOA_N
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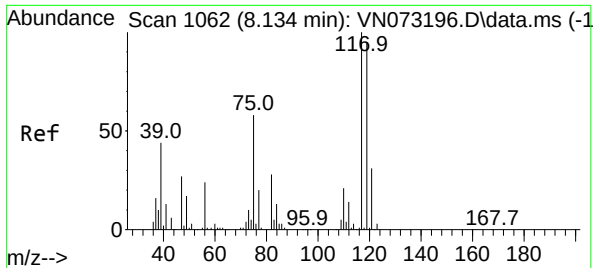
Tgt Ion:113 Resp: 149086
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 17.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 75 Resp: 23095
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

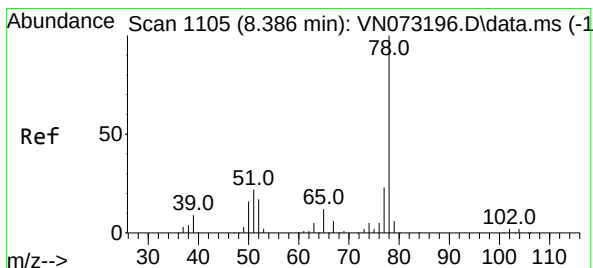
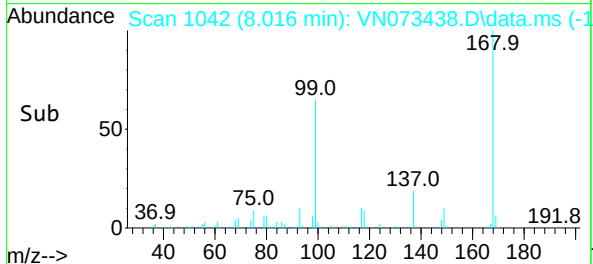
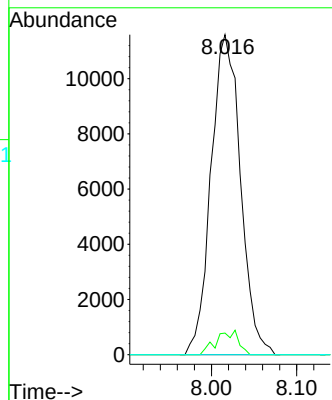
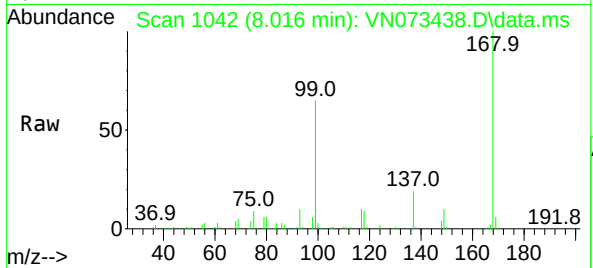




#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

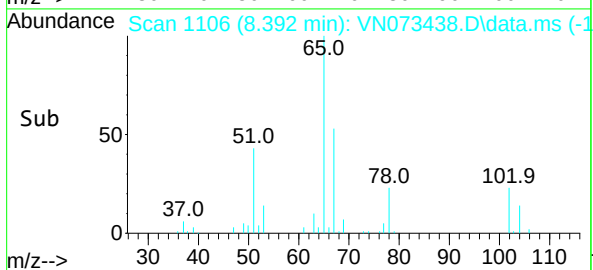
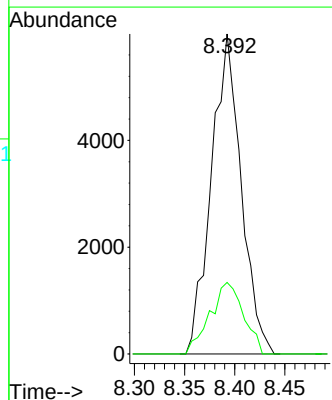
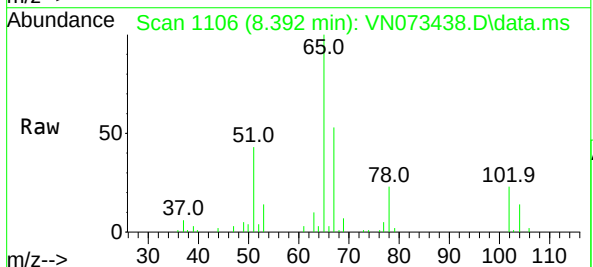
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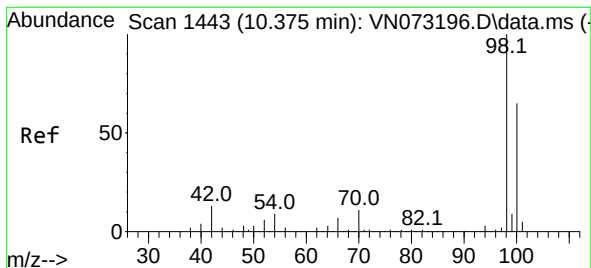
Tgt Ion:117 Resp: 27818
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.872 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 78 Resp: 12405
Ion Ratio Lower Upper
78 100
77 22.4 19.4 29.0





#50

Toluene-d8

Concen: 44.468 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073438.D

Acq: 12 Jul 2022 15:46

Instrument :

MSVOA_N

ClientSampleId :

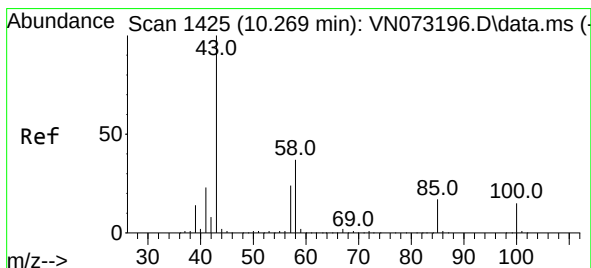
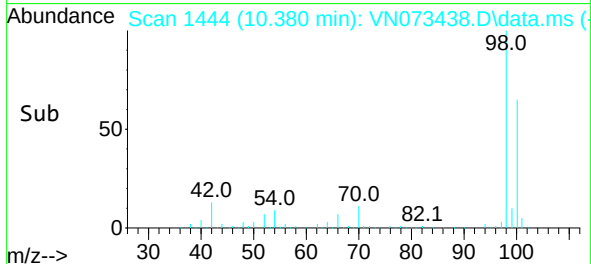
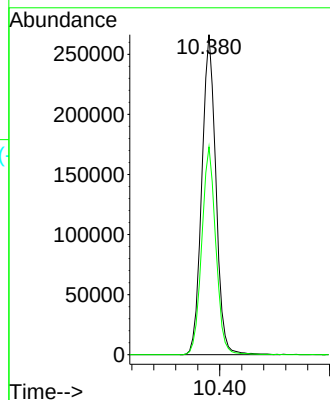
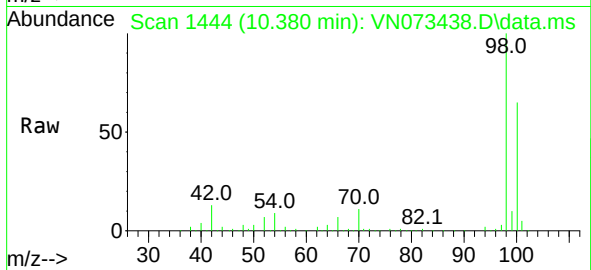
GWOW-BR-03-102-122-070622

Tgt Ion: 98 Resp: 473175

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.409 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.106 min

Lab File: VN073438.D

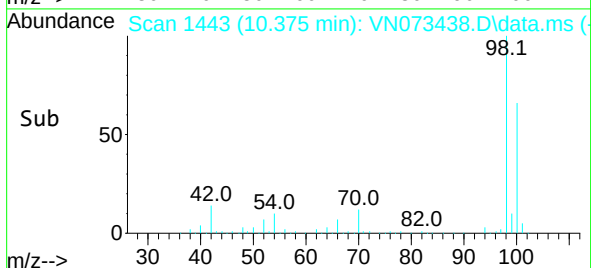
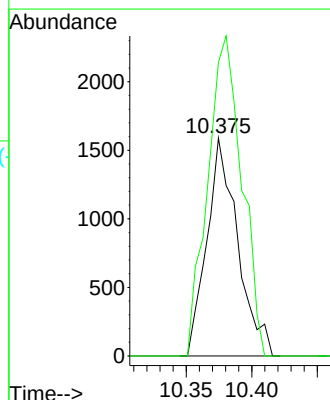
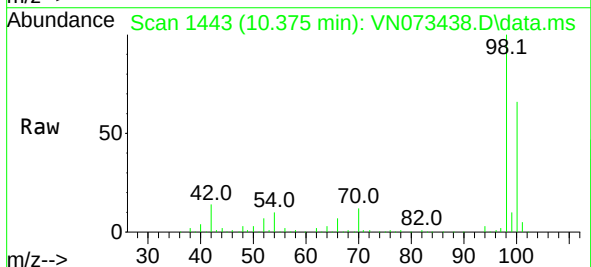
Acq: 12 Jul 2022 15:46

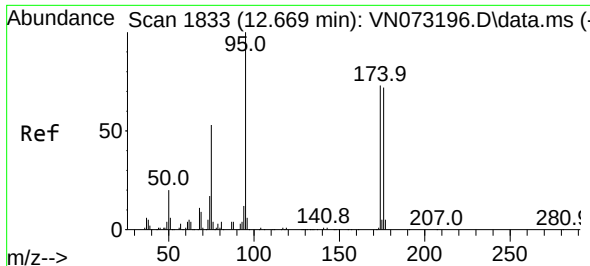
Tgt Ion: 43 Resp: 2595

Ion Ratio Lower Upper

43 100

58 162.7 34.1 51.1#

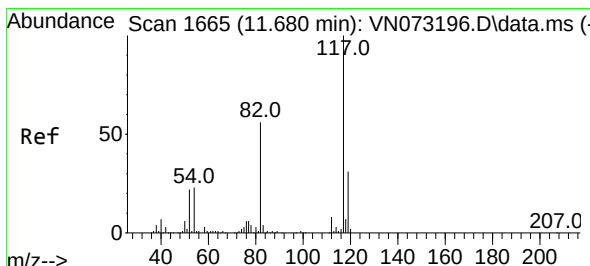
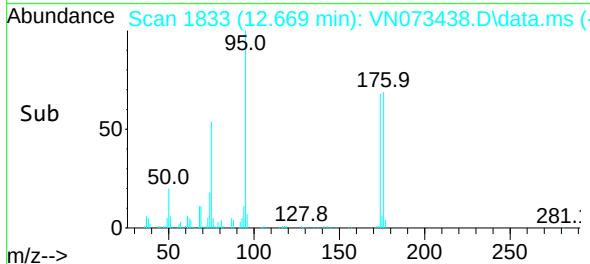
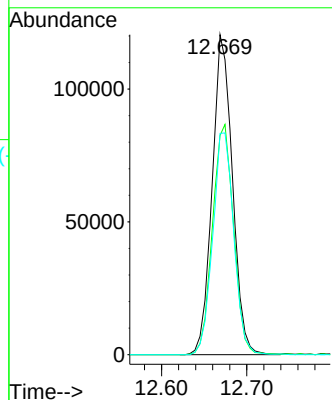
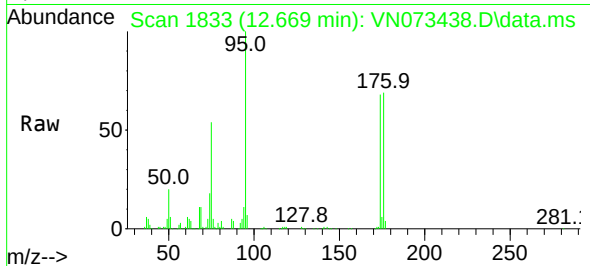




#62
4-Bromofluorobenzene
Concen: 48.691 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

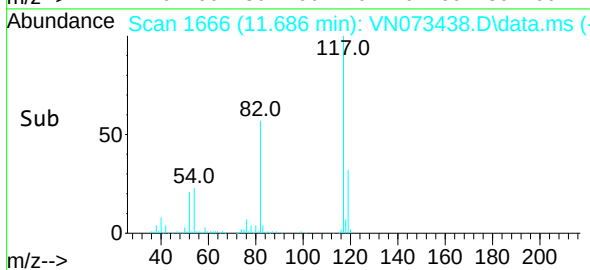
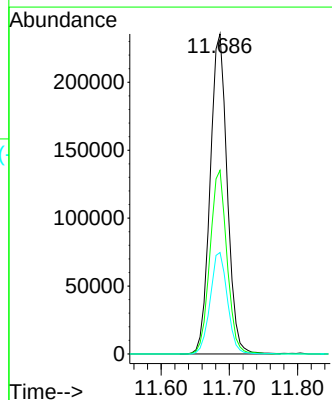
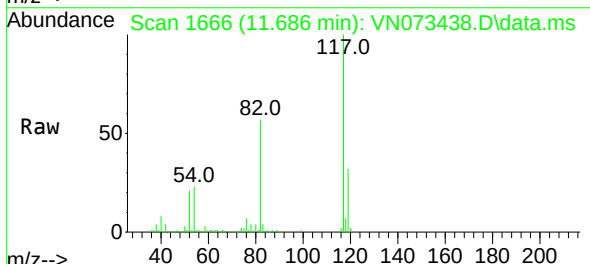
Instrument :
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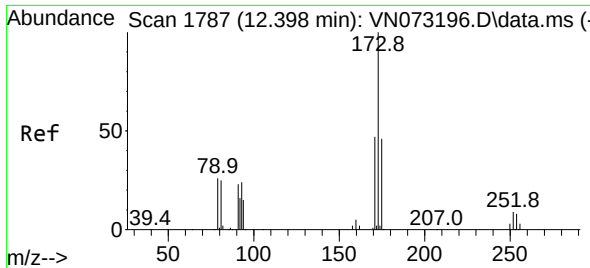
Tgt Ion: 95 Resp: 199111
Ion Ratio Lower Upper
95 100
174 74.9 0.0 167.6
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 117 Resp: 409932
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 31.7 25.4 38.0

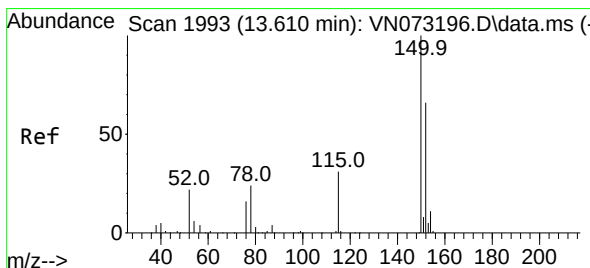
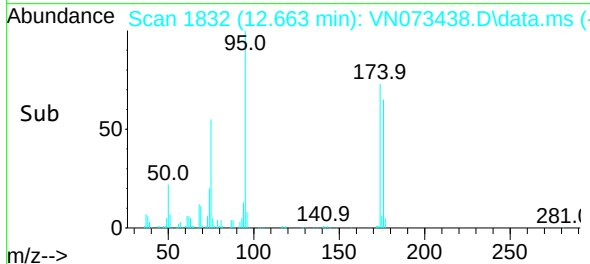
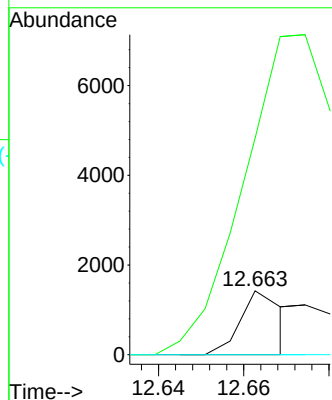
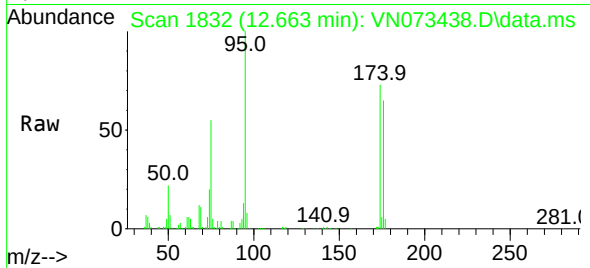




#71
Bromoform
Concen: 0.396 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

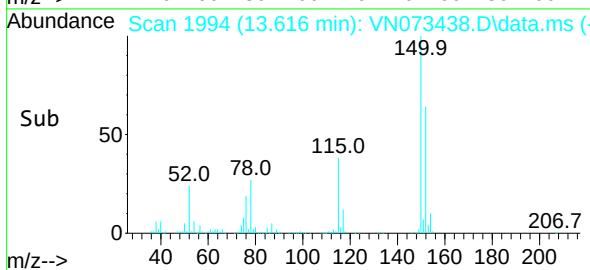
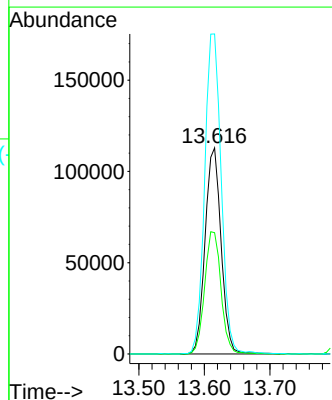
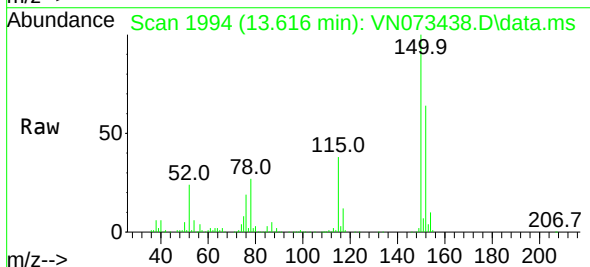
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-102-122-070622

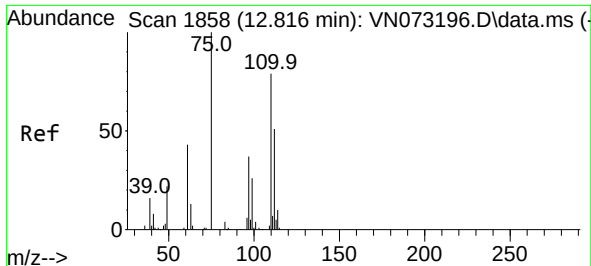
Tgt Ion:173 Resp: 987
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion:152 Resp: 192215
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.7
150 160.4 0.0 356.2

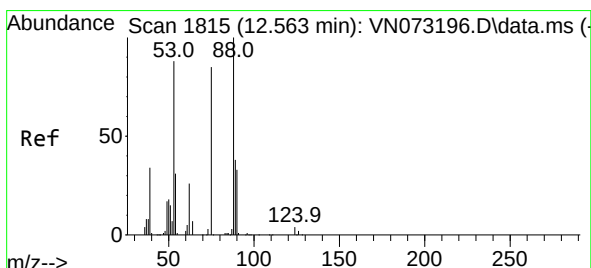
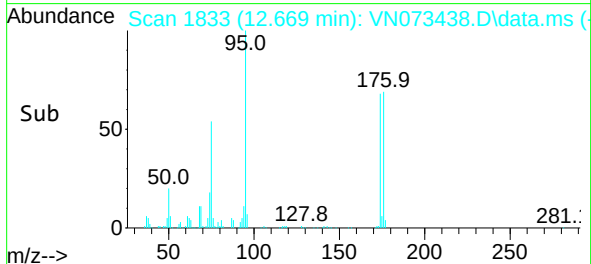
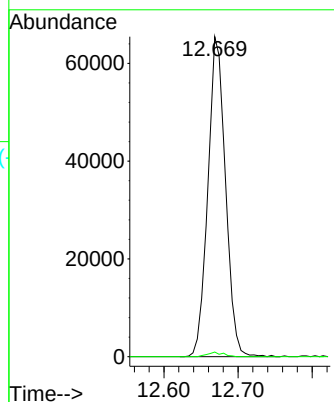
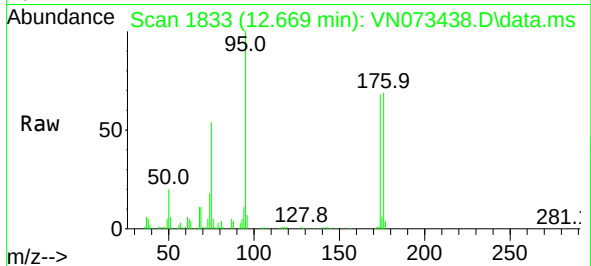




#76
1,2,3-Trichloropropane
Concen: 21.504 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

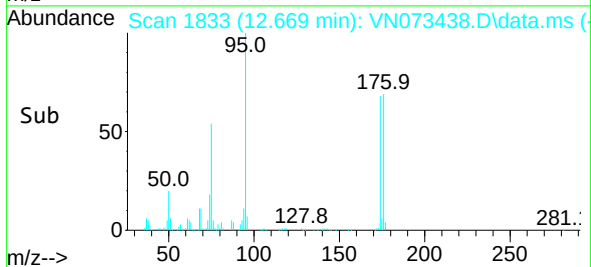
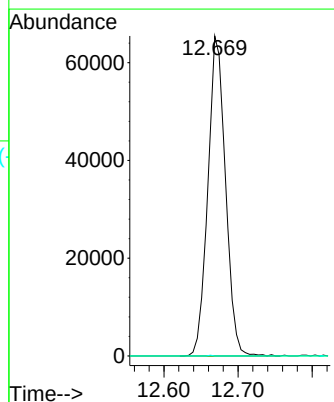
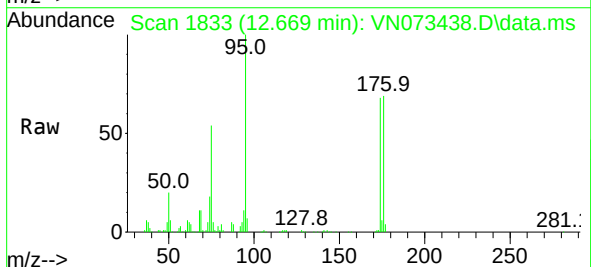
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-102-122-070622

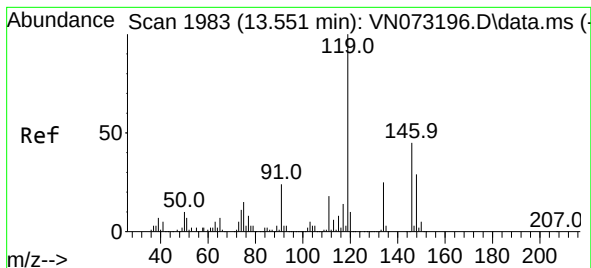
Tgt Ion: 75 Resp: 108081
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.974 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 75 Resp: 108081
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

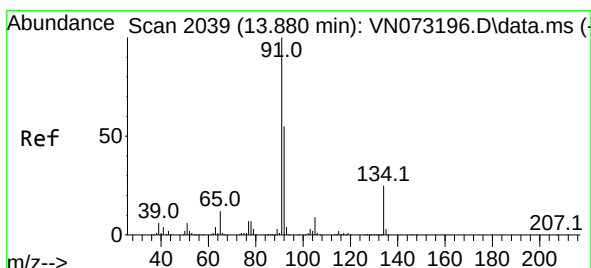
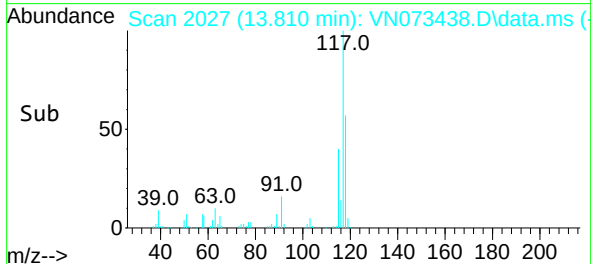
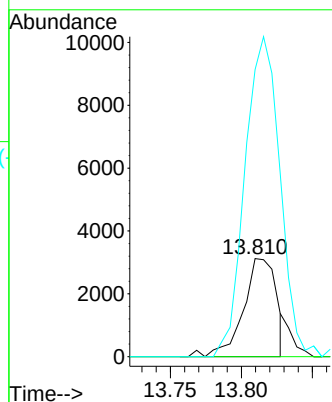
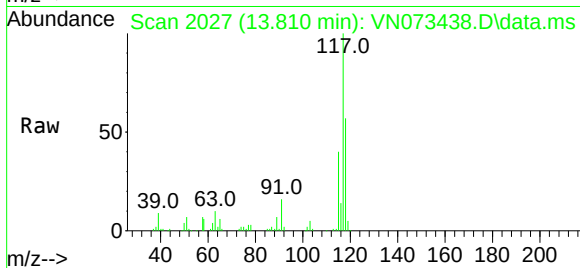




#86
p-Isopropyltoluene
Concen: 0.384 ug/l
RT: 13.810 min Scan# 2028
Delta R.T. 0.259 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

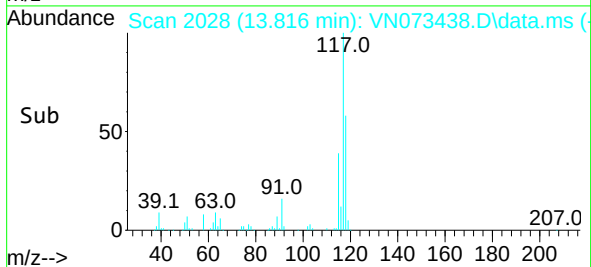
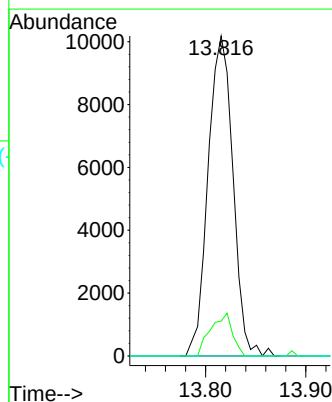
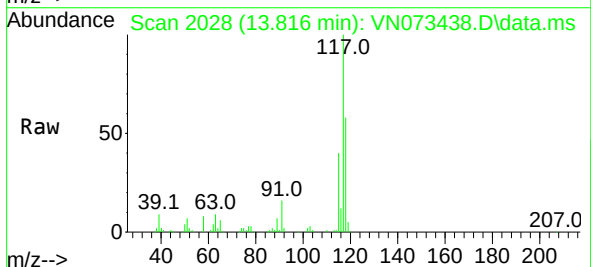
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-102-122-070622

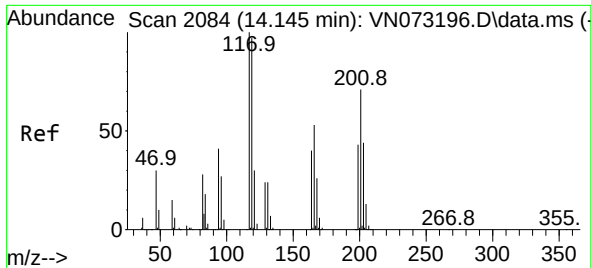
Tgt Ion:119 Resp: 5052
Ion Ratio Lower Upper
119 100
134 0.0 13.3 39.8#
91 319.4 11.3 33.9#



#89
n-Butylbenzene
Concen: 1.603 ug/l
RT: 13.816 min Scan# 2028
Delta R.T. -0.064 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion: 91 Resp: 17574
Ion Ratio Lower Upper
91 100
92 11.7 26.9 80.7#
134 0.0 13.6 40.8#

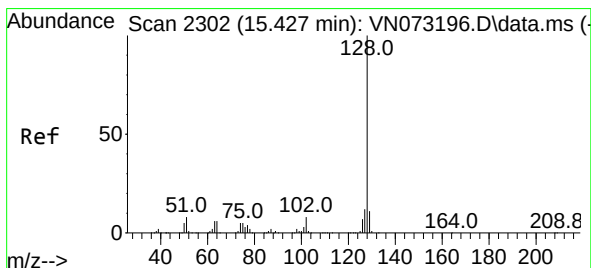
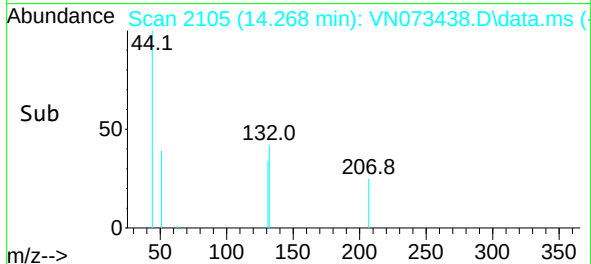
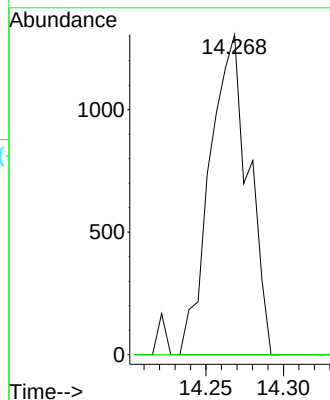
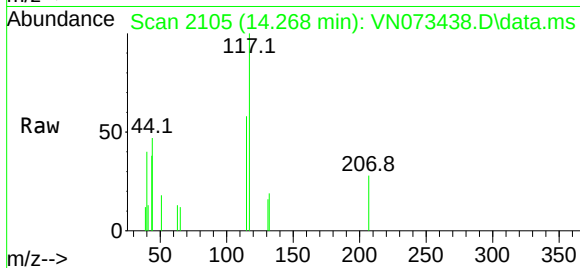




#90
Hexachloroethane
Concen: 0.921 ug/l
RT: 14.268 min Scan# 2105
Delta R.T. 0.123 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-102-122-070622

Tgt Ion:117 Resp: 2258
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.355 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.012 min
Lab File: VN073438.D
Acq: 12 Jul 2022 15:46

Tgt Ion:128 Resp: 5252
Ion Ratio Lower Upper
128 100
127 5.3 10.3 15.5#
129 9.8 8.6 13.0

