

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073464.D
 Acq On : 14 Jul 2022 16:39
 Operator : JC\MD
 Sample : N3715-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-329-349-071322

Quant Time: Jul 15 02:02:23 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)

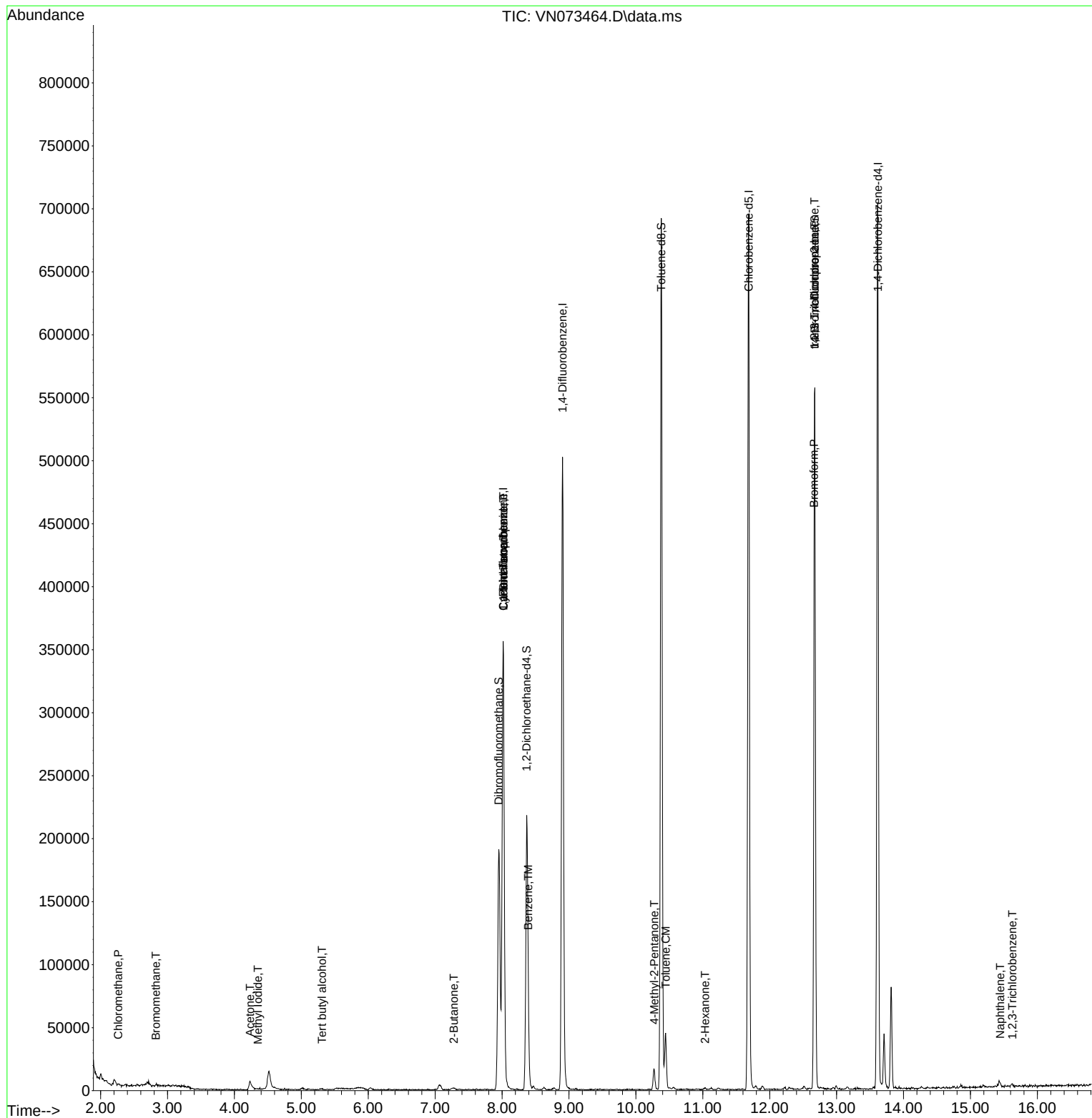
Internal Standards						
1) Pentafluorobenzene	8.016	168	262018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	438898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	402219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	188495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	174160	46.043	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.080%		
35) Dibromofluoromethane	7.951	113	145798	49.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.860%		
50) Toluene-d8	10.380	98	467356	45.064	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.120%		
62) 4-Bromofluorobenzene	12.674	95	192063	48.190	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.380%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	841	0.226	ug/l #	43
5) Bromomethane	2.828	94	528	0.354	ug/l	95
10) Methyl Iodide	4.351	142	61	3.750	ug/l #	44
11) Tert butyl alcohol	5.310	59	1059	1.156	ug/l #	72
16) Acetone	4.234	43	12331	5.808	ug/l	92
25) 2-Butanone	7.281	43	2546	0.753	ug/l #	81
31) Cyclohexane	8.022	56	6955	1.123	ug/l #	41
36) 1,1-Dichloropropene	8.022	75	22873	5.091	ug/l #	48
38) Carbon Tetrachloride	8.022	117	27117	5.836	ug/l #	15
40) Benzene	8.392	78	12204	0.880	ug/l	92
51) 4-Methyl-2-Pentanone	10.275	43	13074	2.113	ug/l #	83
52) Toluene	10.445	92	16986	1.982	ug/l	96
59) 2-Hexanone	11.033	43	1383	0.293	ug/l	75
71) Bromoform	12.663	173	870	0.355	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	102436	20.783	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	102436	56.997	ug/l #	10
95) Naphthalene	15.445	128	5040	0.347	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	973	0.262	ug/l #	73

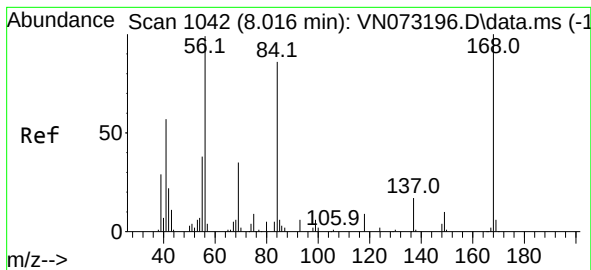
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

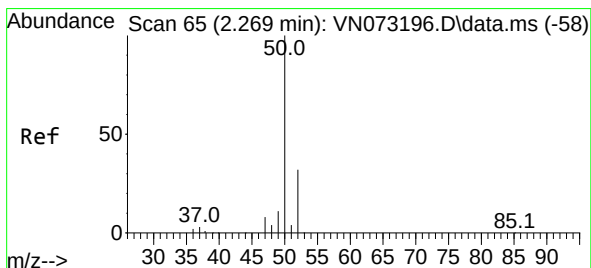
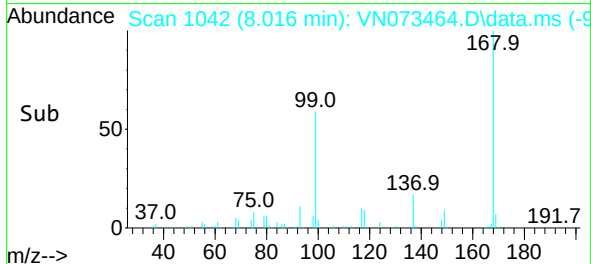
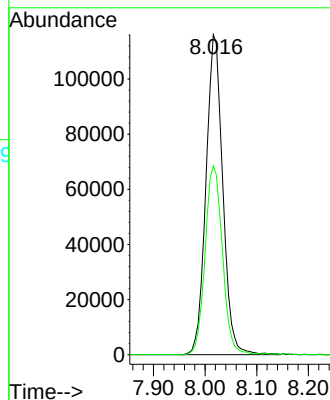
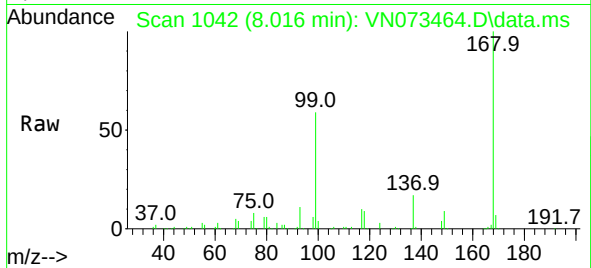




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

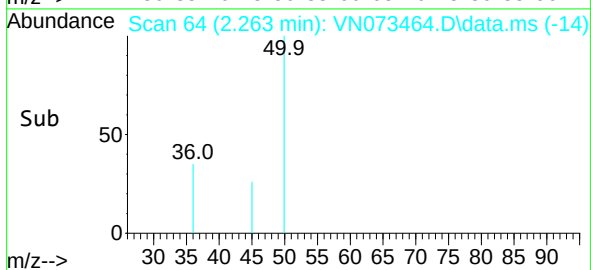
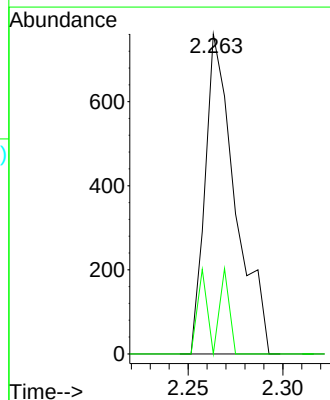
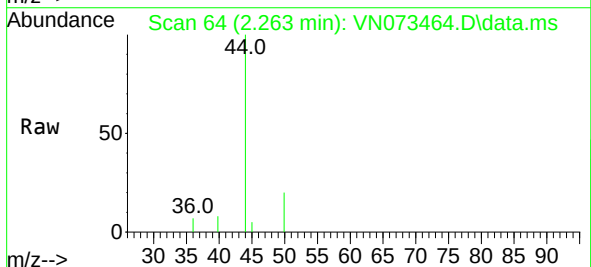
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

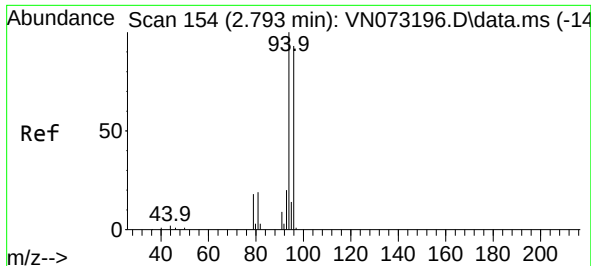
Tgt Ion:168 Resp: 262018
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 50 Resp: 841
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

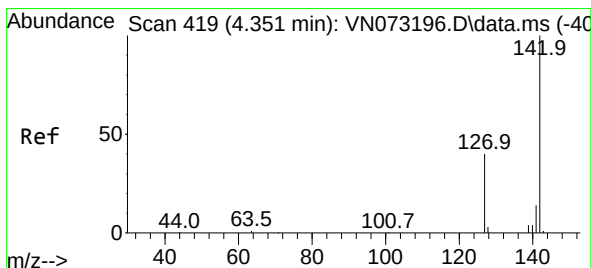
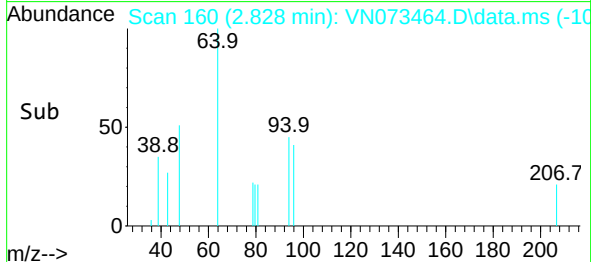
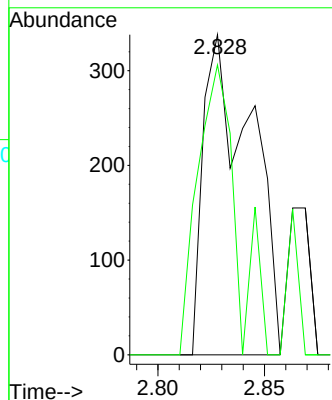
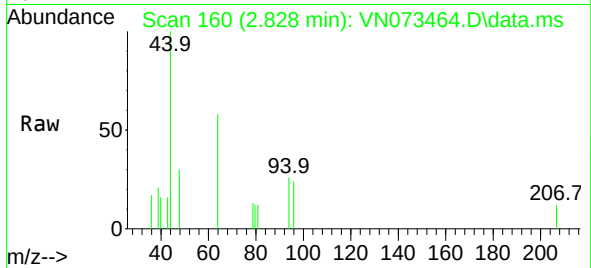




#5
Bromomethane
Concen: 0.354 ug/l
RT: 2.828 min Scan# 1
Delta R.T. 0.035 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

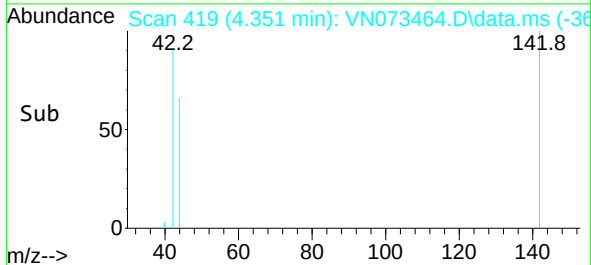
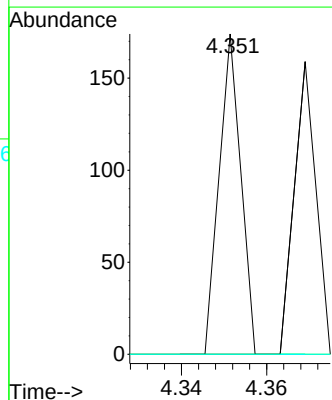
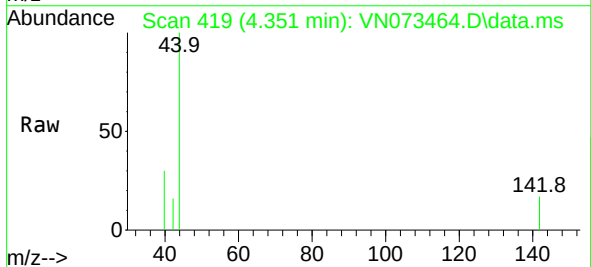
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

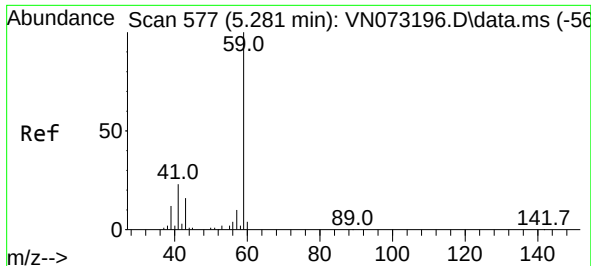
Tgt Ion: 94 Resp: 528
Ion Ratio Lower Upper
94 100
96 90.5 76.0 114.0



#10
Methyl Iodide
Concen: 3.750 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

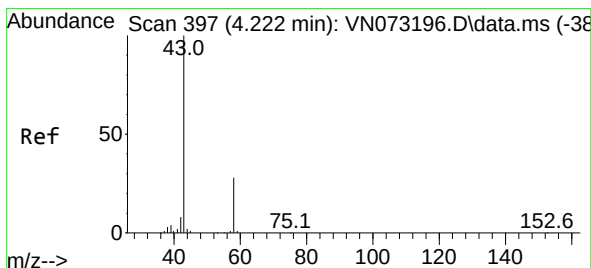
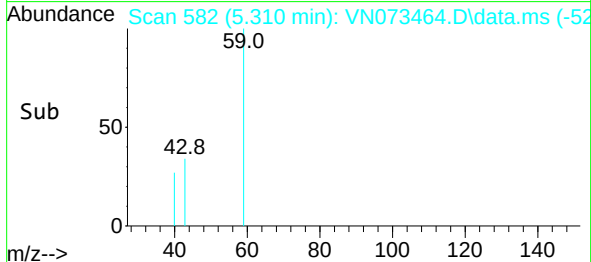
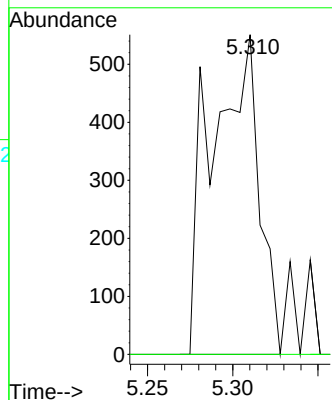
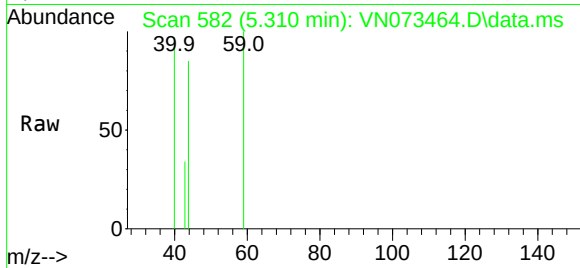




#11
Tert butyl alcohol
Concen: 1.156 ug/l
RT: 5.310 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

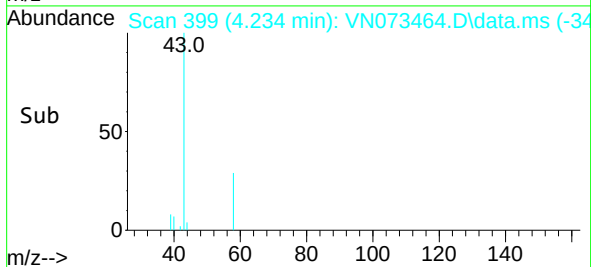
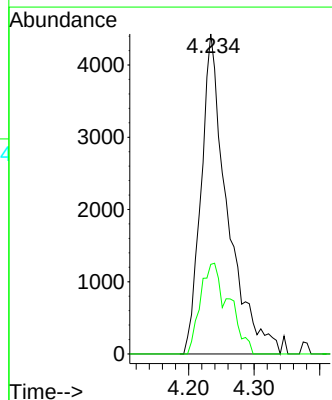
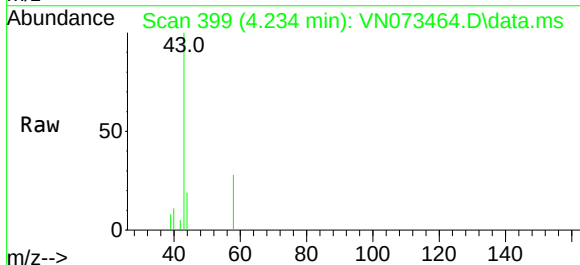
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

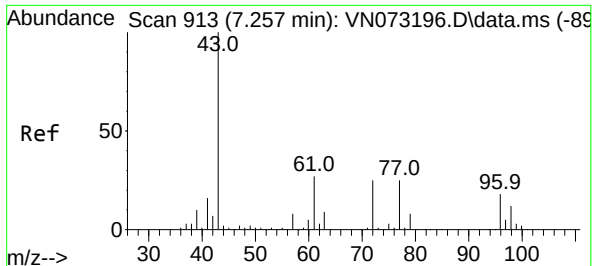
Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.808 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 43 Resp: 12331
Ion Ratio Lower Upper
43 100
58 28.0 26.0 39.0





#25

2-Butanone

Concen: 0.753 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.024 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

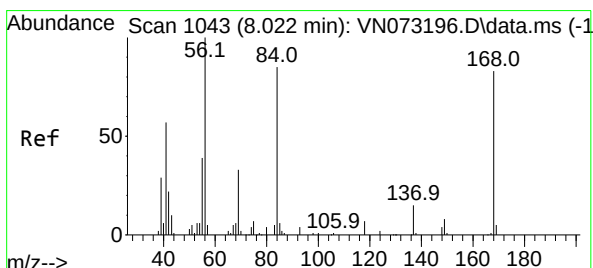
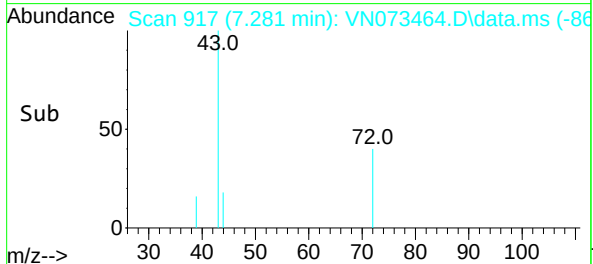
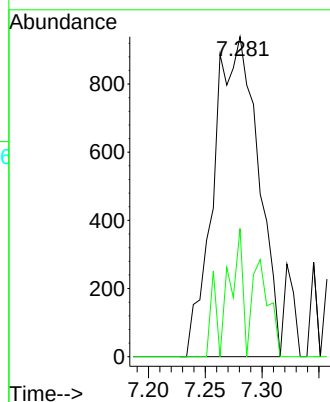
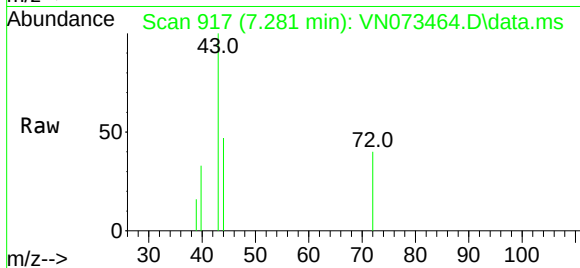
GWOW-BR-03-329-349-071322

Tgt Ion: 43 Resp: 2546

Ion Ratio Lower Upper

43 100

72 40.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

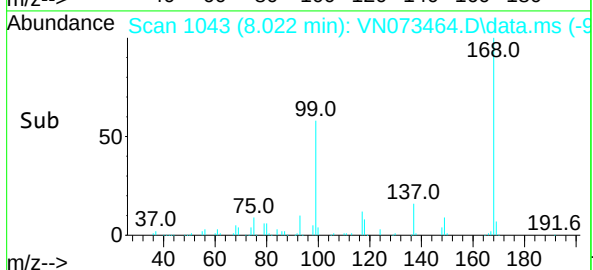
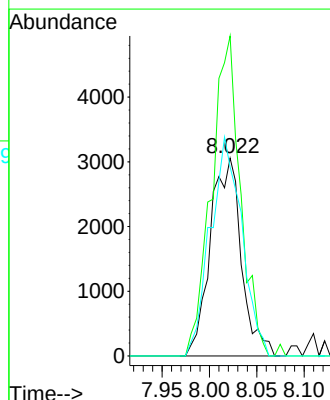
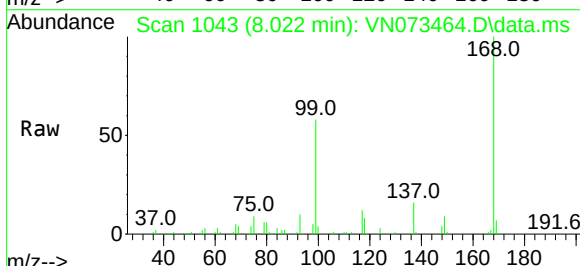
Tgt Ion: 56 Resp: 6955

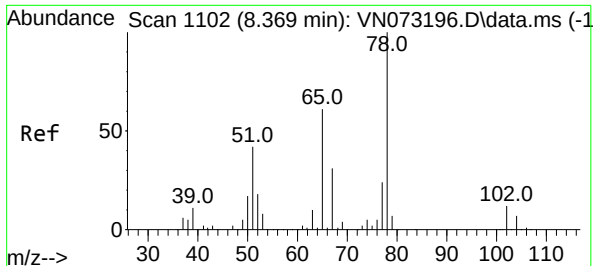
Ion Ratio Lower Upper

56 100

69 161.9 27.8 41.8#

84 95.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 46.043 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

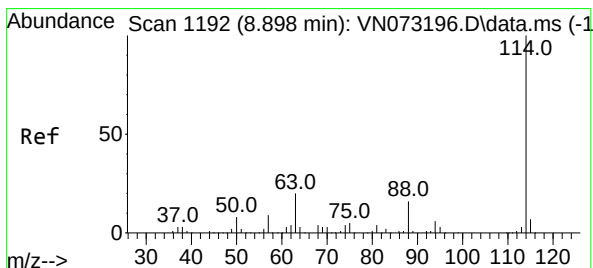
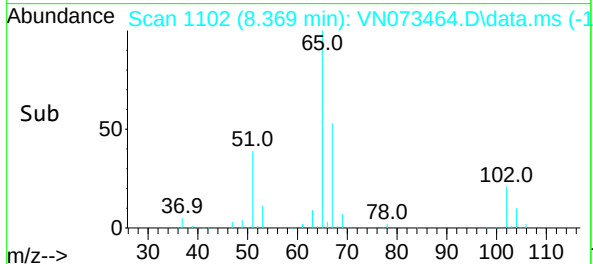
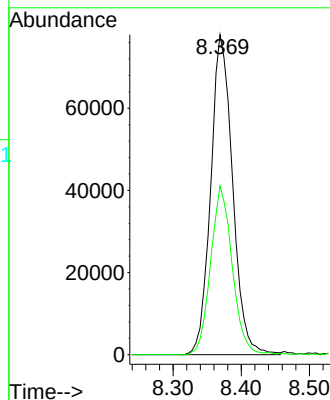
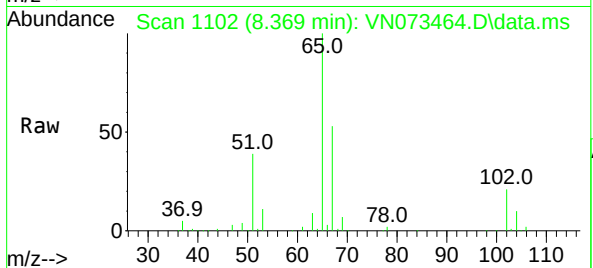
GWOW-BR-03-329-349-071322

Tgt Ion: 65 Resp: 174160

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: VN073464.D

Acq: 14 Jul 2022 16:39

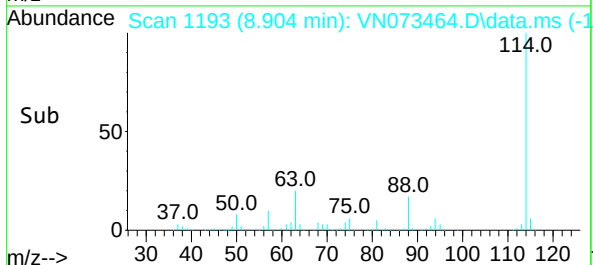
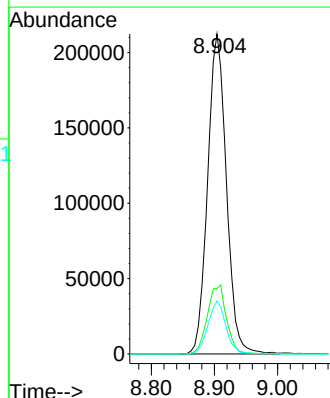
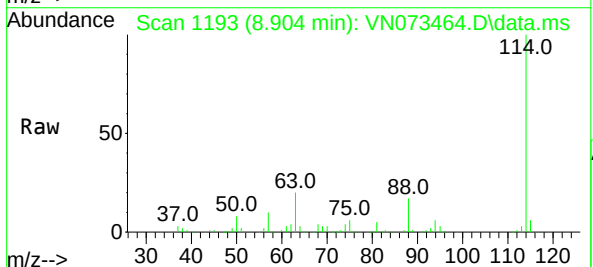
Tgt Ion: 114 Resp: 438898

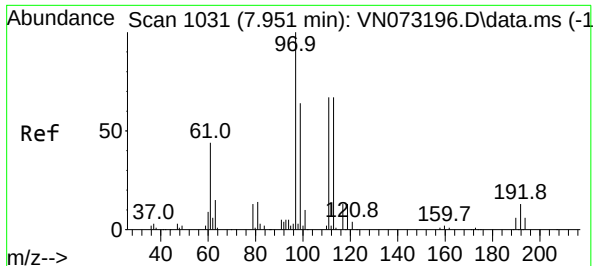
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.930 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-329-349-071322

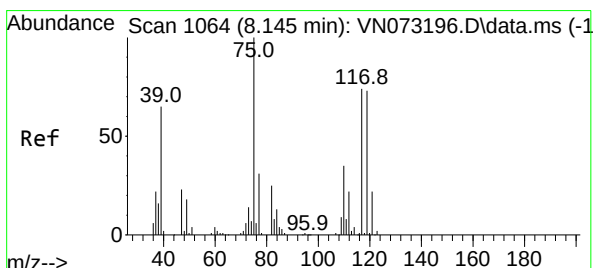
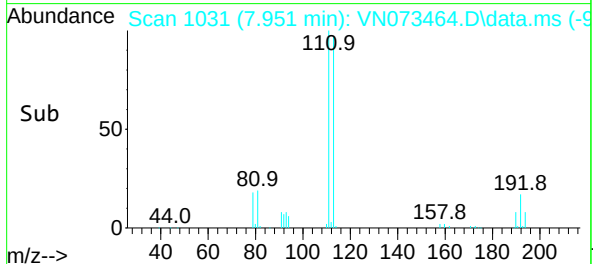
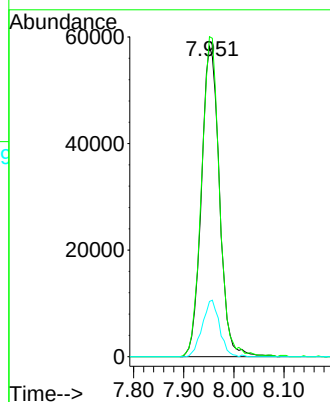
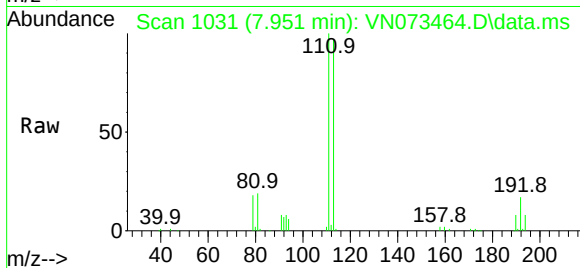
Tgt Ion:113 Resp: 145798

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 17.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

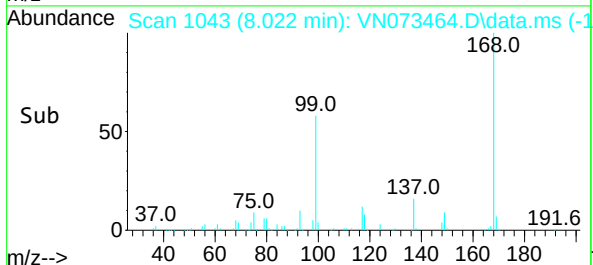
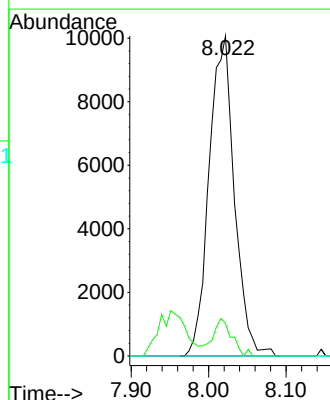
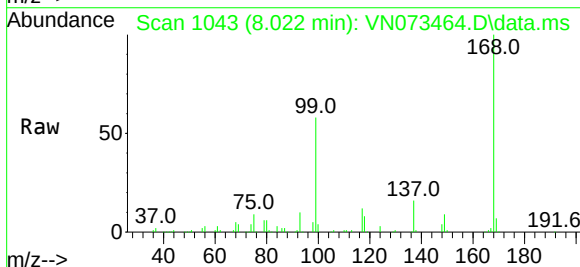
Tgt Ion: 75 Resp: 22873

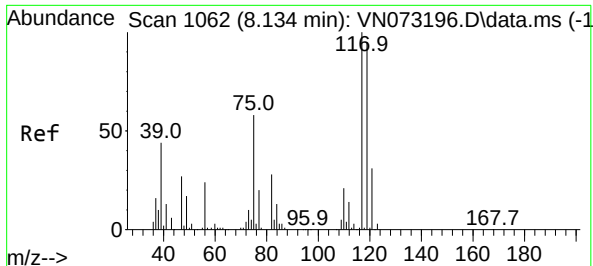
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#

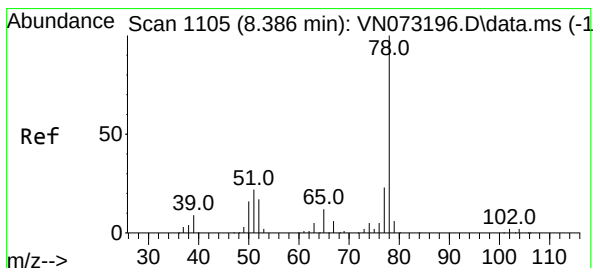
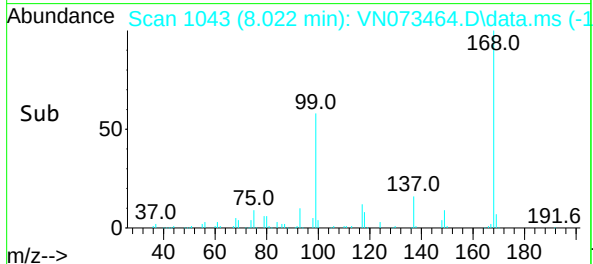
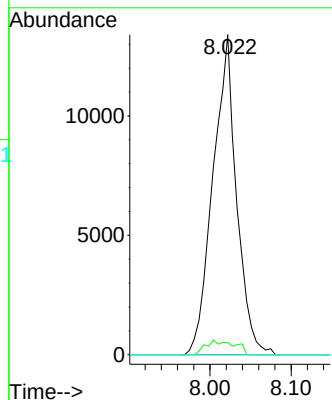
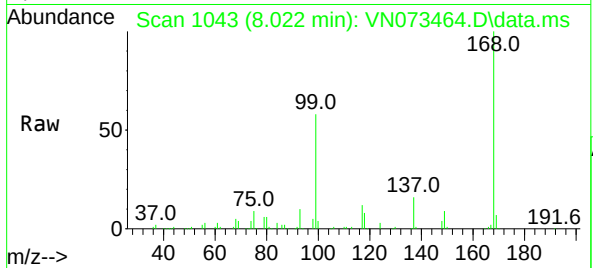




#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 8.022 min Scan# 1106
Delta R.T. -0.112 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

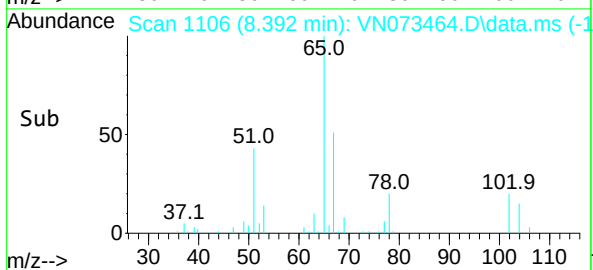
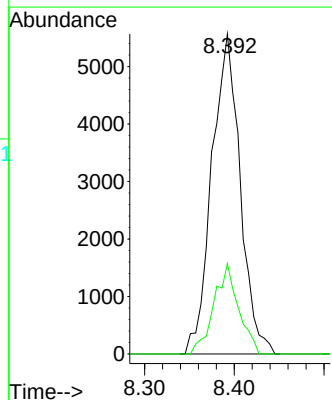
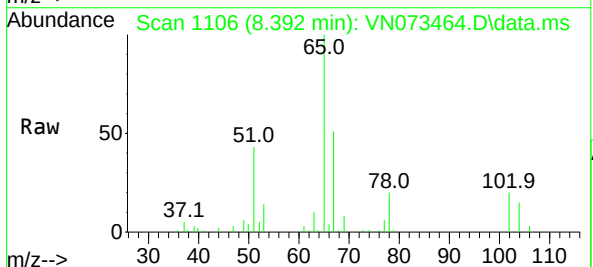
Instrument :
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GWOW-BR-03-329-349-071322

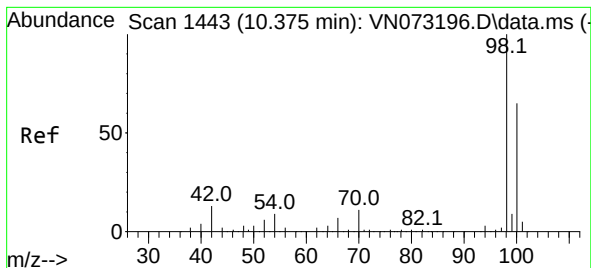
Tgt Ion:117 Resp: 27117
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.880 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 78 Resp: 12204
Ion Ratio Lower Upper
78 100
77 28.3 19.4 29.0





#50

Toluene-d8

Concen: 45.064 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

Instrument :

MSVOA_N

ClientSampleId :

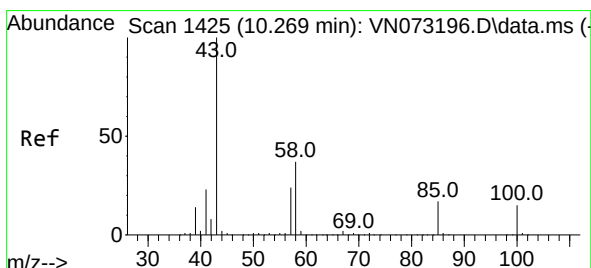
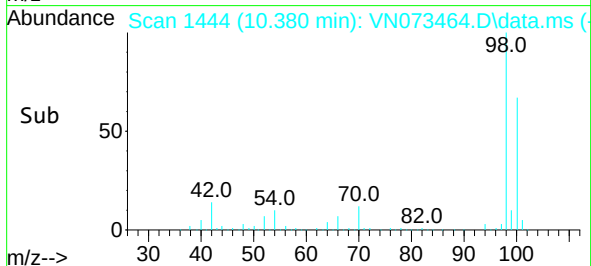
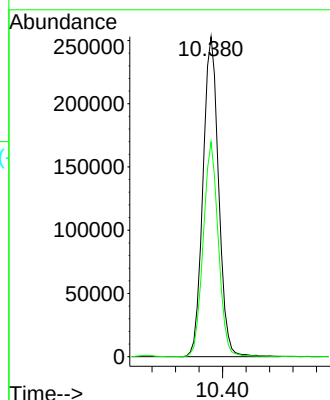
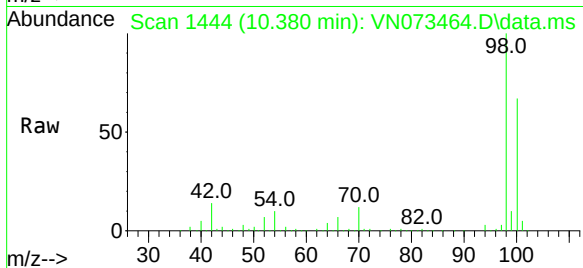
GWOW-BR-03-329-349-071322

Tgt Ion: 98 Resp: 467356

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 2.113 ug/l

RT: 10.275 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VN073464.D

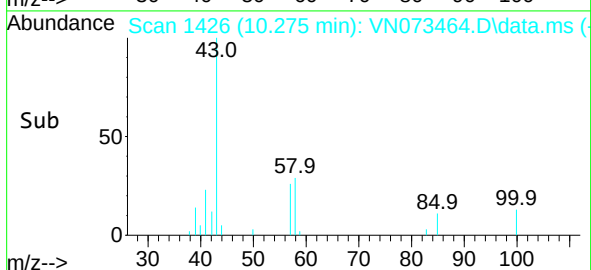
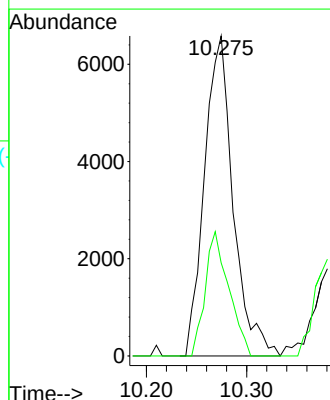
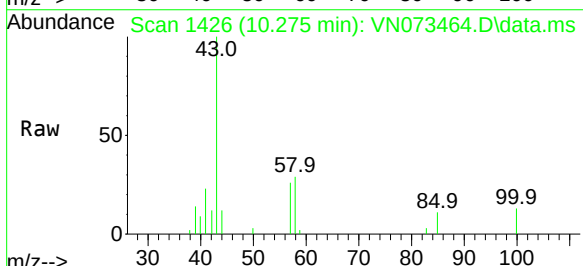
Acq: 14 Jul 2022 16:39

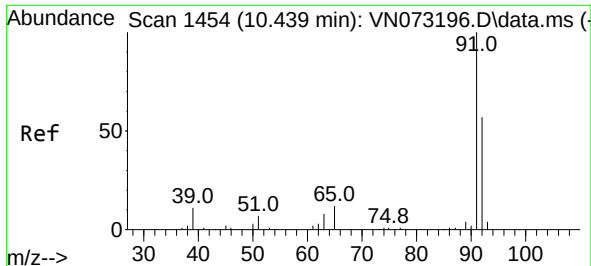
Tgt Ion: 43 Resp: 13074

Ion Ratio Lower Upper

43 100

58 31.9 34.1 51.1#

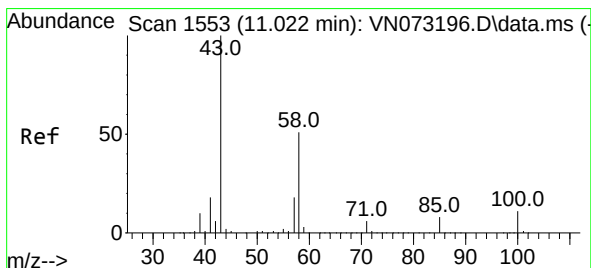
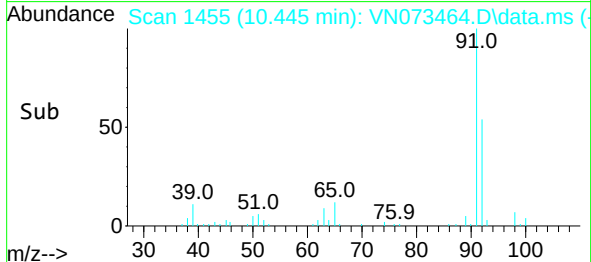
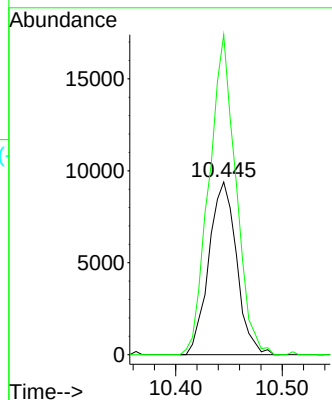
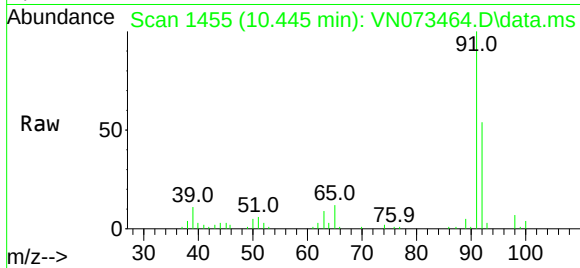




#52
Toluene
Concen: 1.982 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

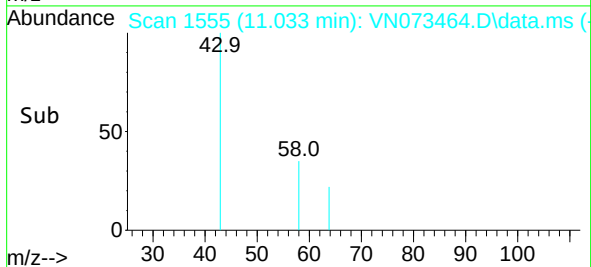
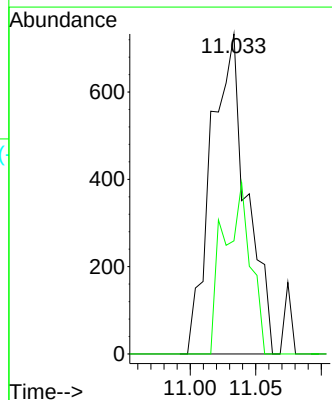
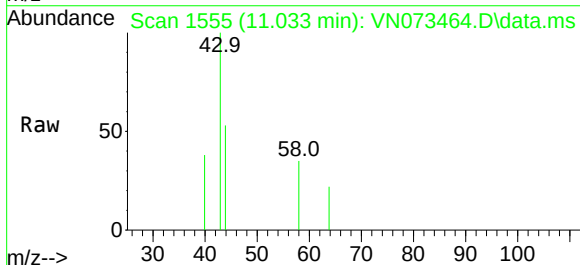
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

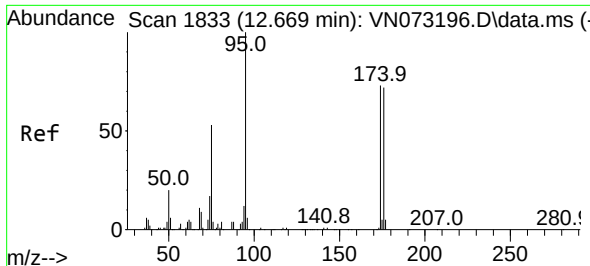
Tgt Ion: 92 Resp: 16986
Ion Ratio Lower Upper
92 100
91 179.0 138.6 207.8



#59
2-Hexanone
Concen: 0.293 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.011 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 40.5 29.7 89.1

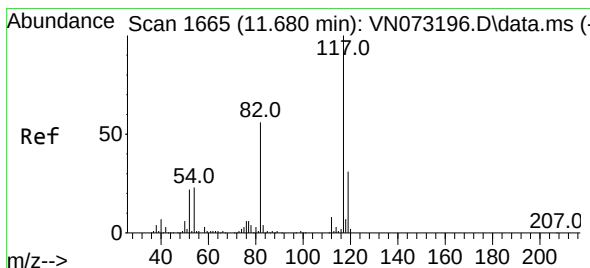
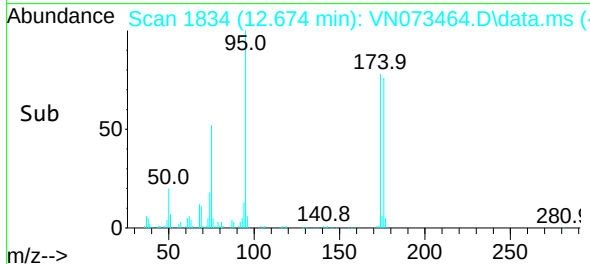
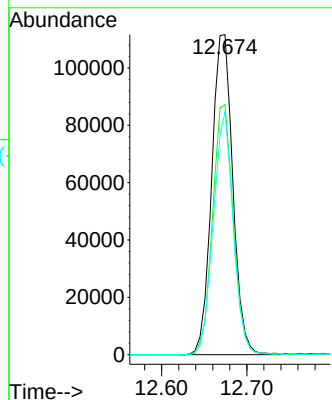
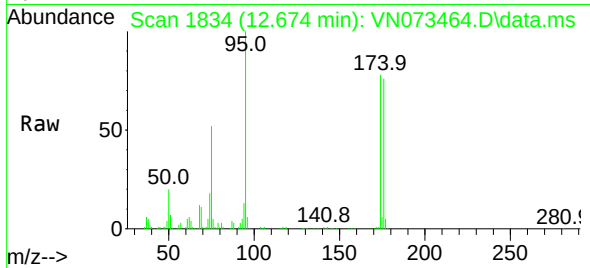




#62
4-Bromofluorobenzene
Concen: 48.190 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

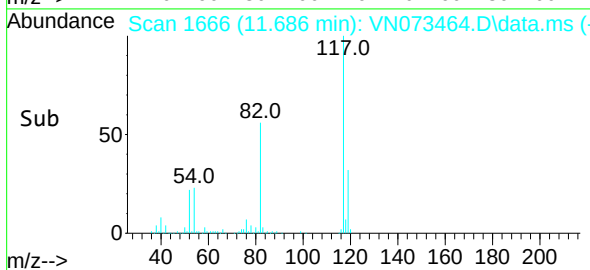
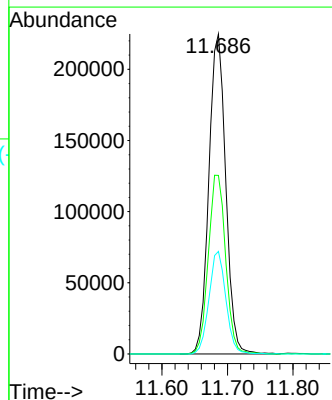
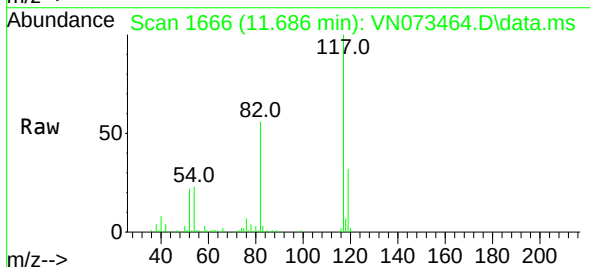
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

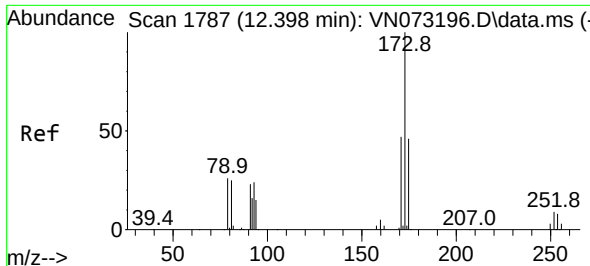
Tgt Ion: 95 Resp: 192063
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 71.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 117 Resp: 402219
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.1 25.4 38.0

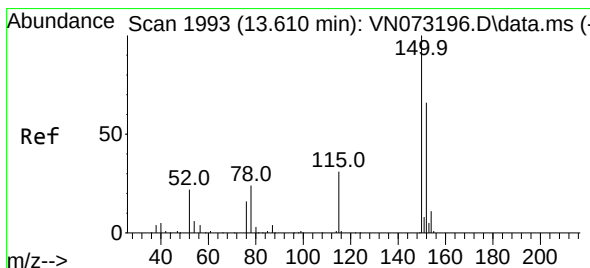
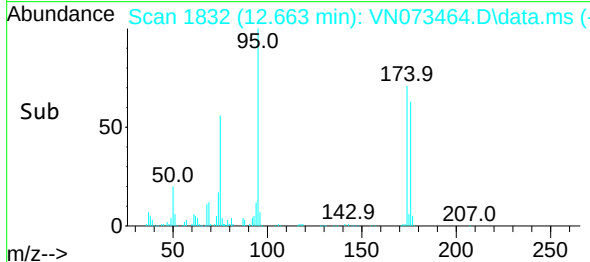
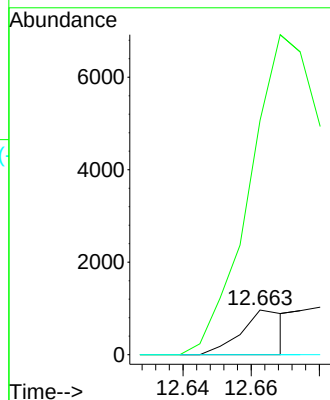
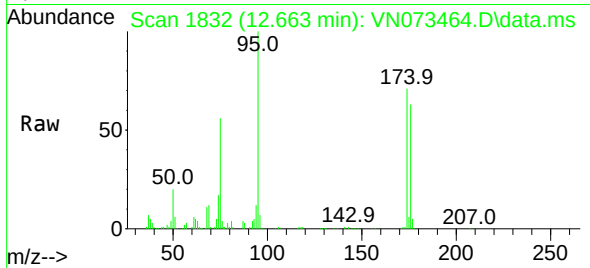




#71
Bromoform
Concen: 0.355 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

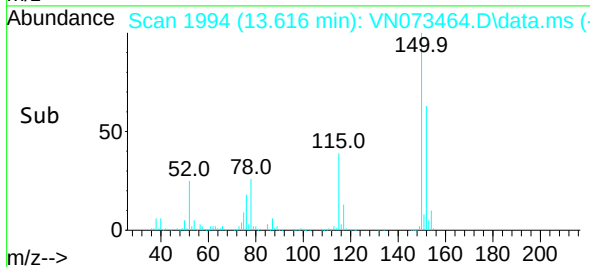
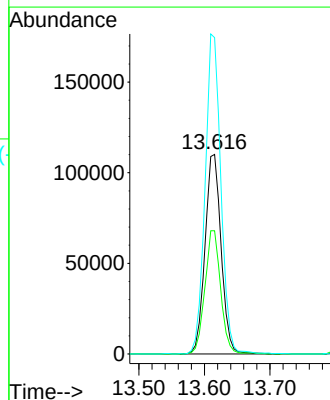
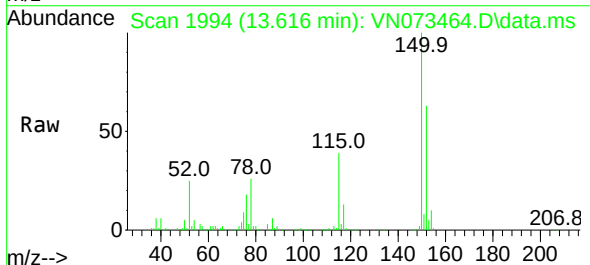
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-329-349-071322

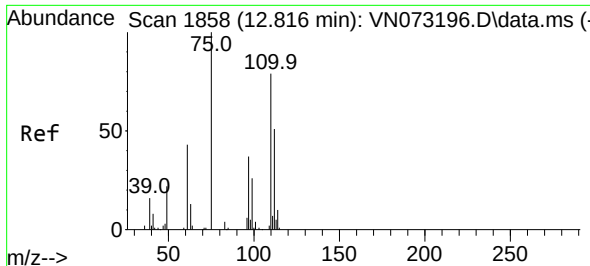
Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 907.1 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion:152 Resp: 188495
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.7
150 157.3 0.0 356.2

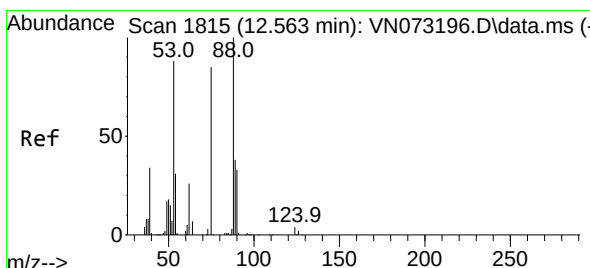
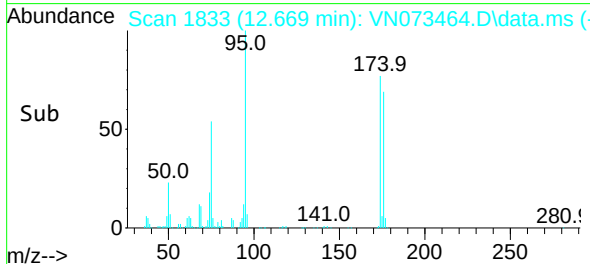
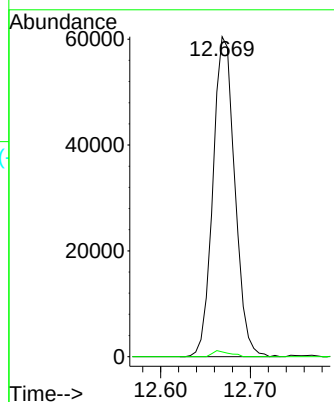
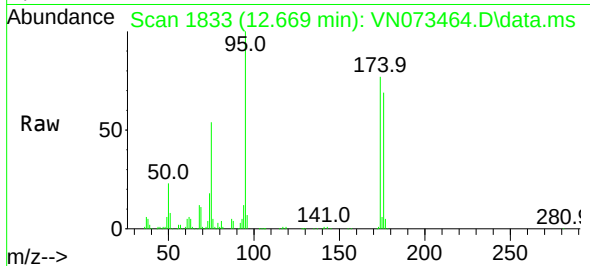




#76
1,2,3-Trichloropropane
Concen: 20.783 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

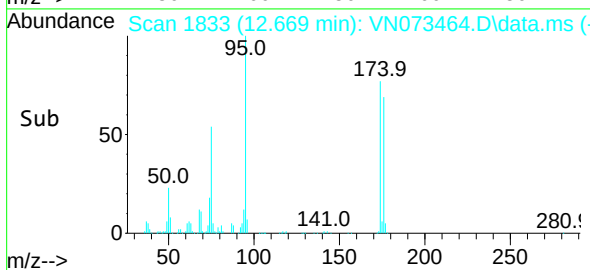
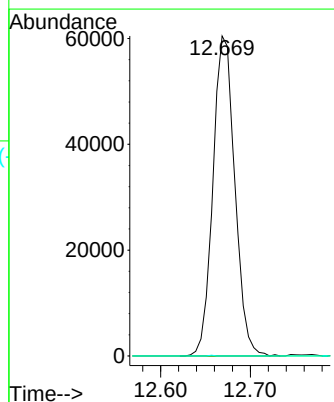
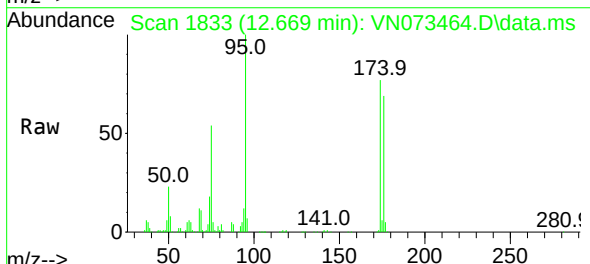
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-329-349-071322

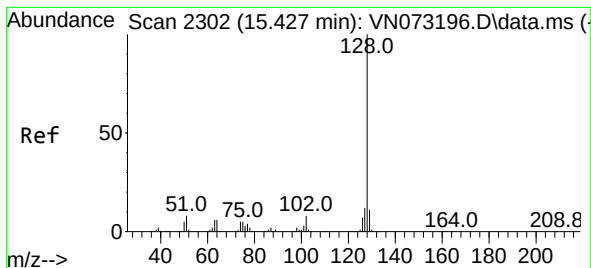
Tgt Ion: 75 Resp: 102436
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.997 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073464.D
Acq: 14 Jul 2022 16:39

Tgt Ion: 75 Resp: 102436
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#95

Naphthalene

Concen: 0.347 ug/l

RT: 15.445 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

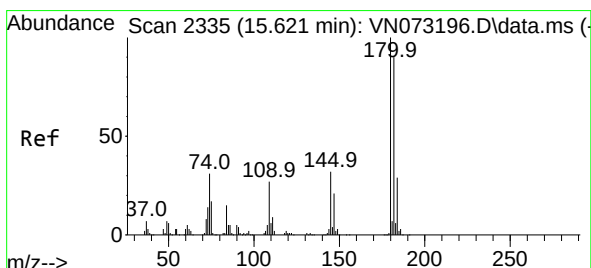
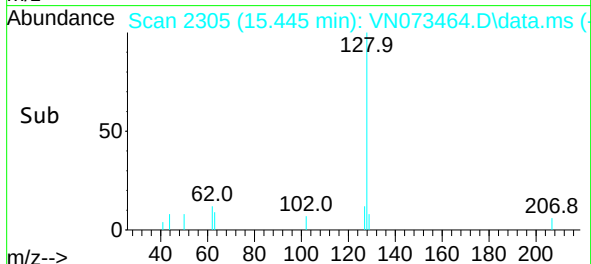
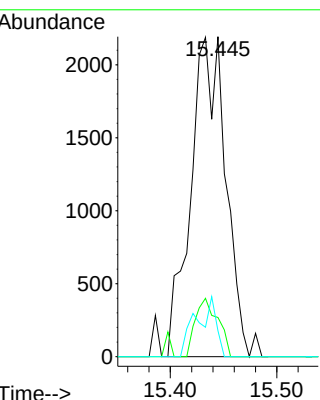
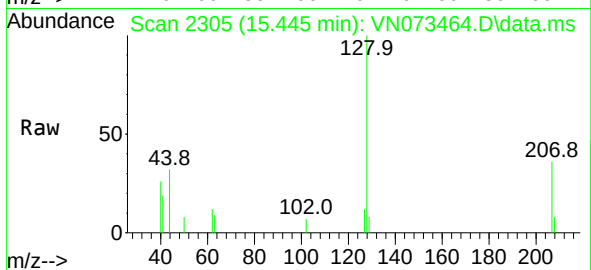
Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-329-349-071322

Tgt Ion:128	Resp:	5040
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.3 15.5
129	10.6	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.262 ug/l

RT: 15.627 min Scan# 2336

Delta R.T. 0.006 min

Lab File: VN073464.D

Acq: 14 Jul 2022 16:39

Tgt Ion:180	Resp:	973
Ion Ratio	Lower	Upper
180	100	
182	78.1	47.8 143.3
145	0.0	15.5 46.5

