

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
 Data File : VX030086.D
 Acq On : 15 Jul 2022 13:06
 Operator : JC/MD
 Sample : N3735-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-03-370-390-071422

Quant Time: Jul 16 06:01:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

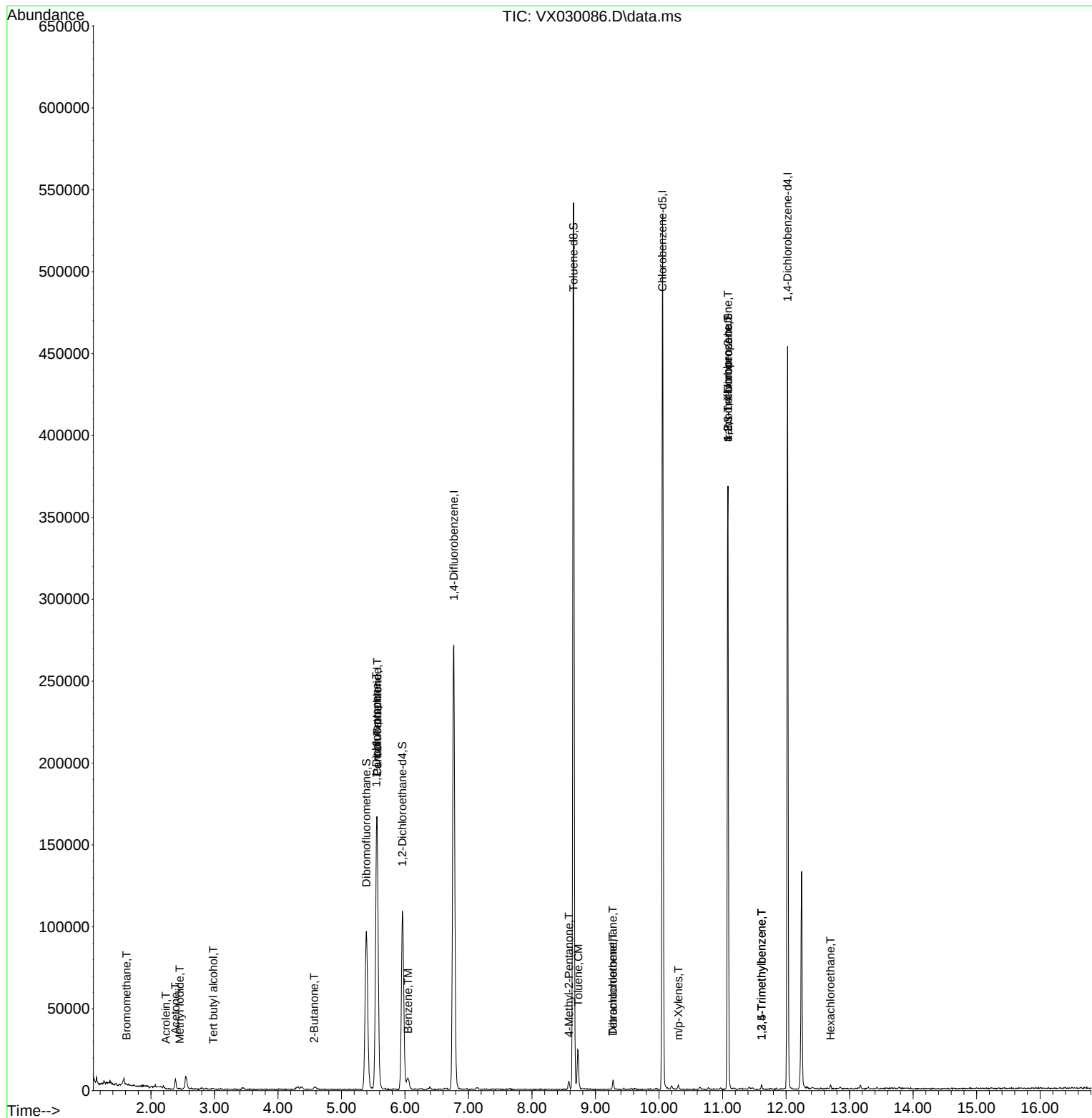
Internal Standards						
1) Pentafluorobenzene	5.562	168	163044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97052	48.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	5.391	113	86946	46.973	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.940%
50) Toluene-d8	8.653	98	325673	46.782	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.560%
62) 4-Bromofluorobenzene	11.085	95	102179	42.295	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59	Below Cal	#	9
5) Bromomethane	1.618	94	213	0.266	ug/l #	74
10) Methyl Iodide	2.453	142	424	2.655	ug/l #	89
11) Tert butyl alcohol	2.983	59	682	1.332	ug/l #	92
13) Acrolein	2.233	56	22	0.216	ug/l #	14
16) Acetone	2.386	43	6158	6.585	ug/l	89
17) Carbon Disulfide	2.514	76	559	Below Cal	#	74
20) Methylene Chloride	2.800	84	318	Below Cal	#	73
25) 2-Butanone	4.568	43	2851	1.790	ug/l #	68
36) 1,1-Dichloropropene	5.550	75	12395	5.184	ug/l #	48
38) Carbon Tetrachloride	5.562	117	15760	7.069	ug/l #	18
40) Benzene	6.050	78	8312	1.105	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	3307	1.082	ug/l	94
52) Toluene	8.726	92	8997	1.883	ug/l	96
60) Dibromochloromethane	9.275	129	1023	0.533	ug/l #	11
64) Tetrachloroethene	9.275	164	1002	0.520	ug/l #	76
68) m/p-Xylenes	10.305	106	677	0.213	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	47958	22.232	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.616	105	1484	0.270	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.085	75	47958	64.161	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.616	105	1484	0.273	ug/l	89
90) Hexachloroethane	12.701	117	1315	1.374	ug/l #	16

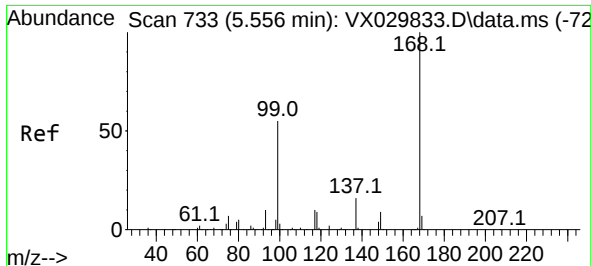
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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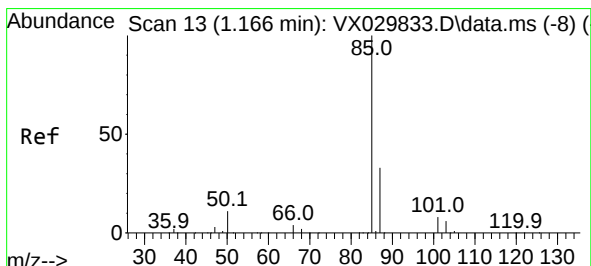
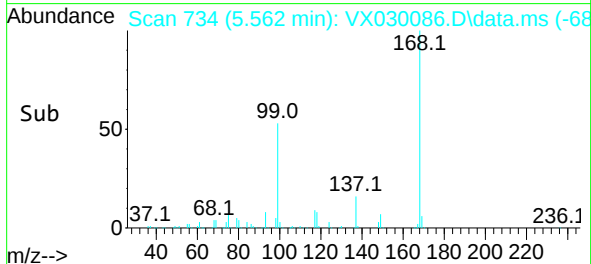
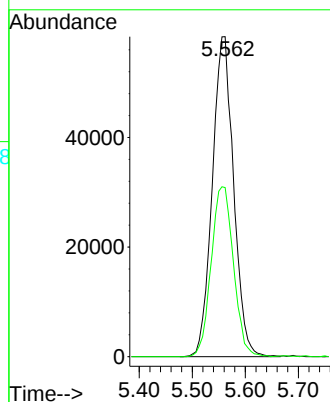
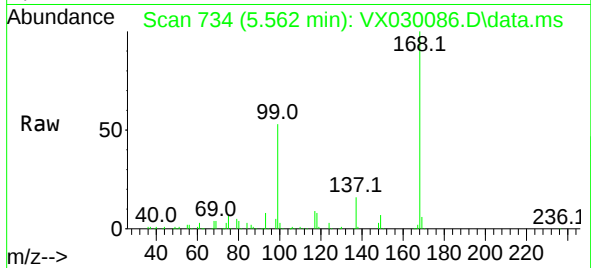




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

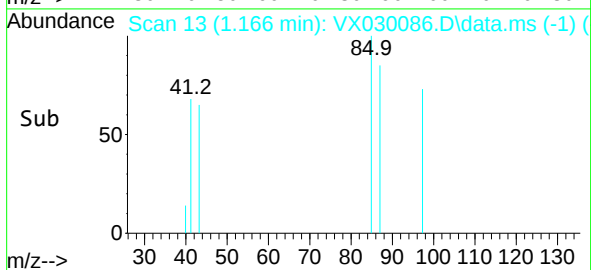
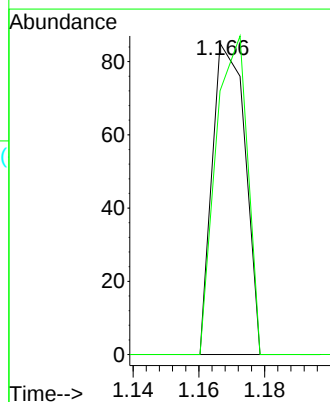
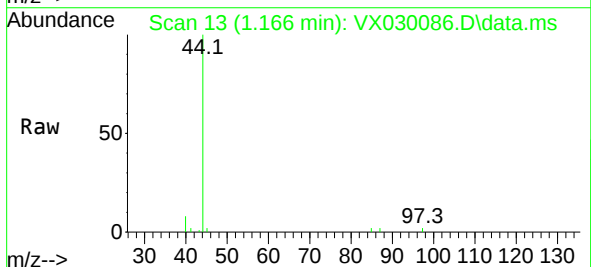
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

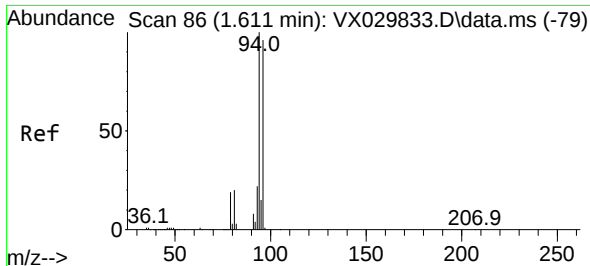
Tgt Ion:168 Resp: 163044
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 84.7 16.5 49.5#

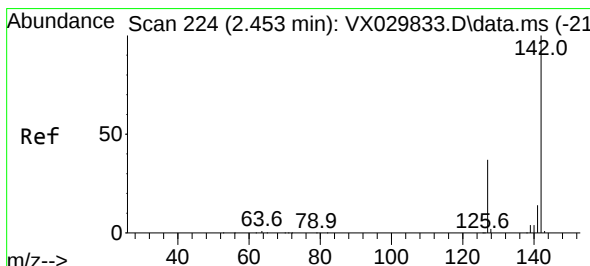
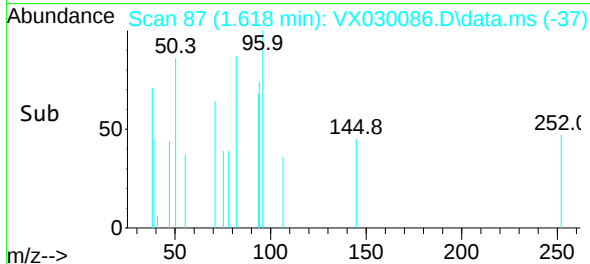
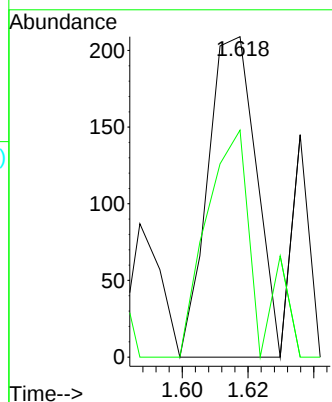
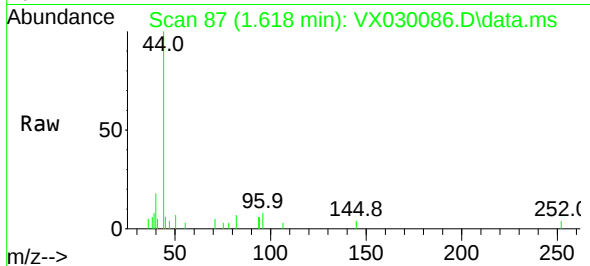




#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

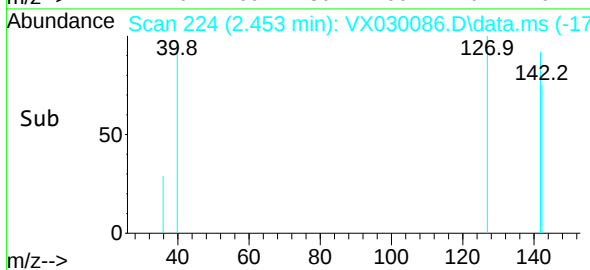
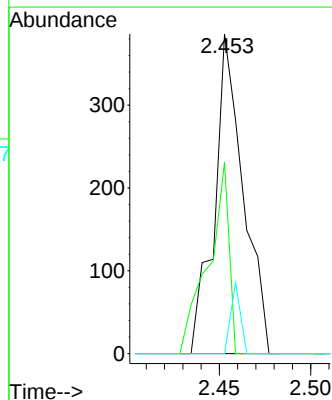
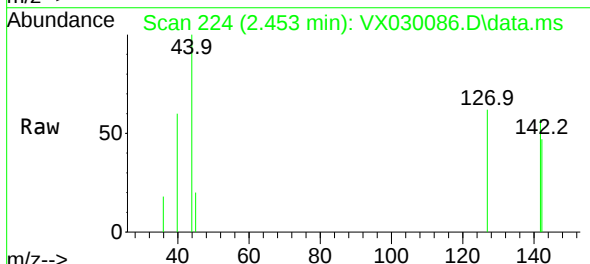
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

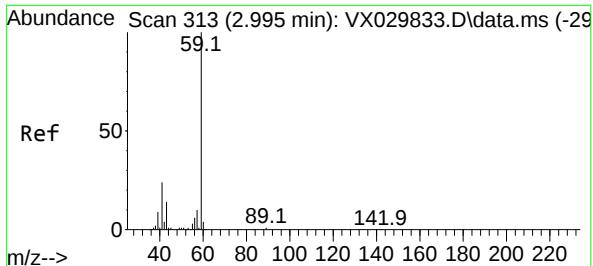
Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 70.8 76.9 115.3#



#10
Methyl Iodide
Concen: 2.655 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 142 Resp: 424
Ion Ratio Lower Upper
142 100
127 42.9 30.2 45.2
141 7.3 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.332 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX030086.D

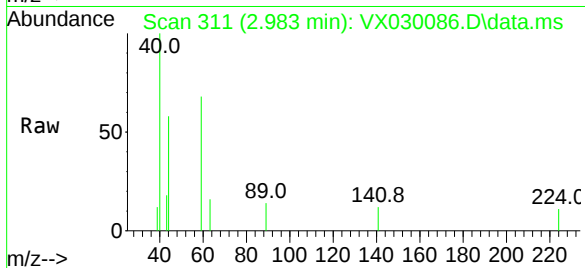
Acq: 15 Jul 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-03-370-390-071422

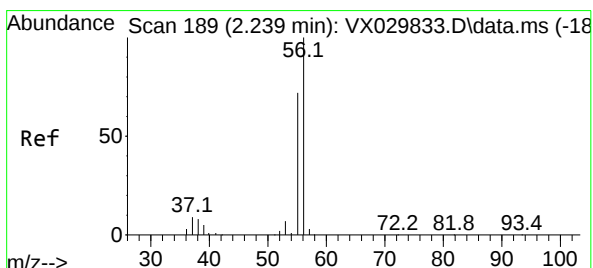
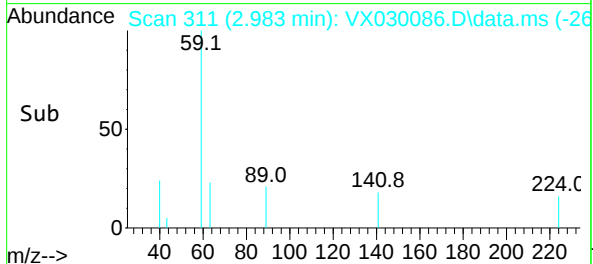
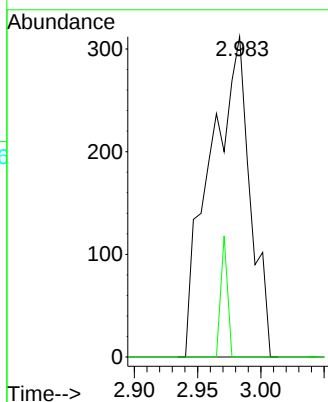


Tgt Ion: 59 Resp: 682

Ion Ratio Lower Upper

59 100

57 6.3 7.4 11.2#



#13

Acrolein

Concen: 0.216 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX030086.D

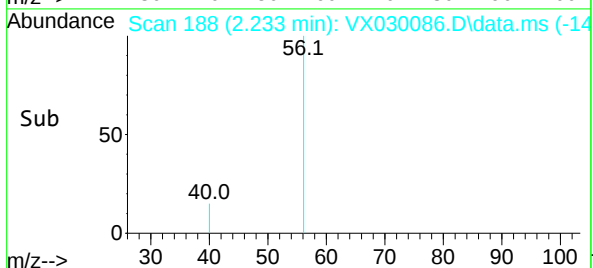
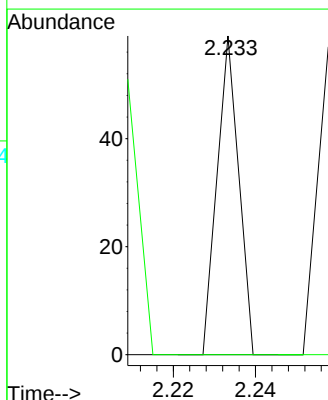
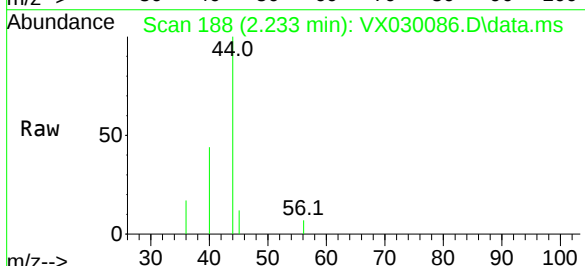
Acq: 15 Jul 2022 13:06

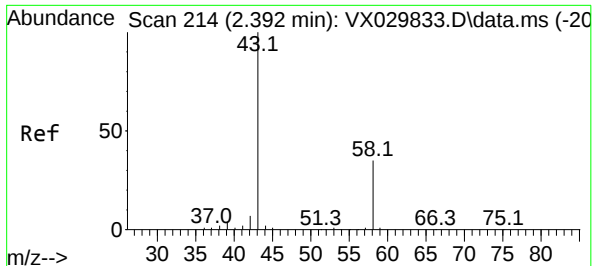
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

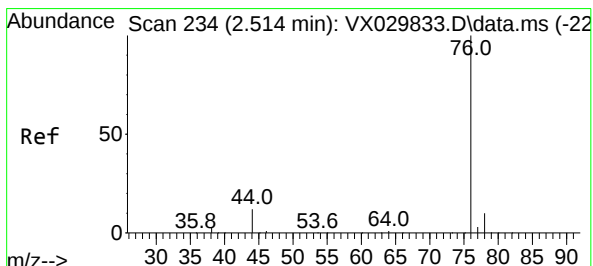
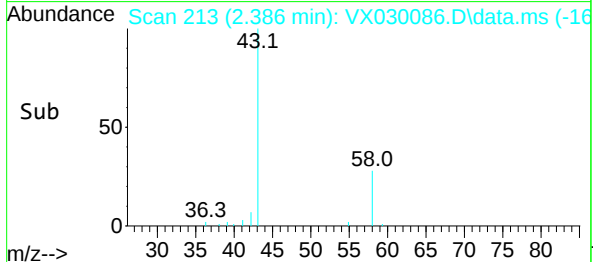
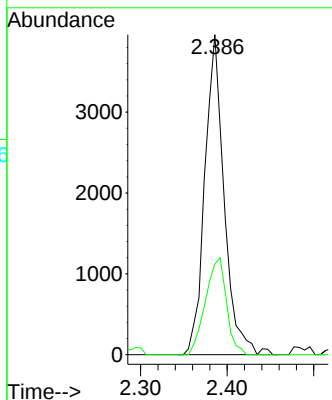
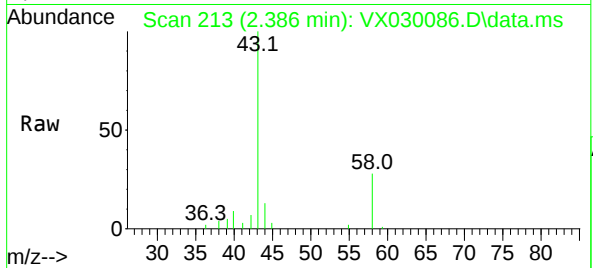




#16
Acetone
Concen: 6.585 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

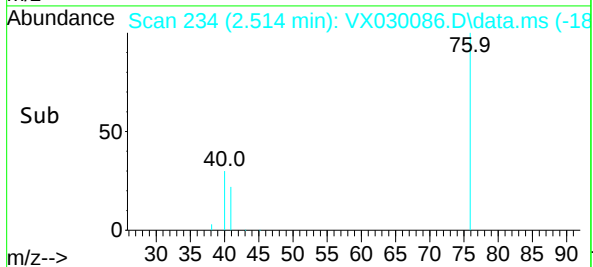
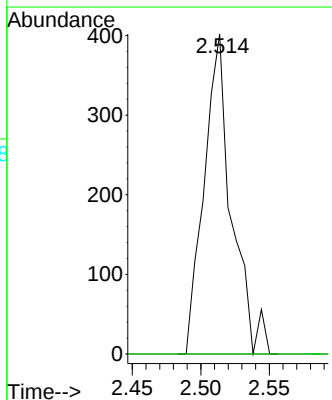
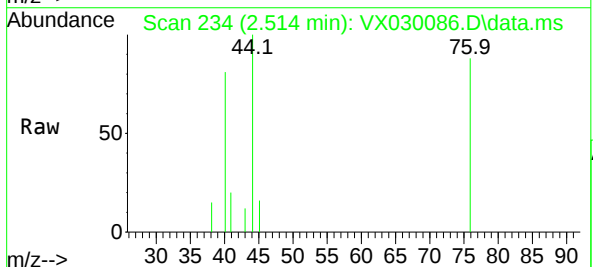
Instrument :
MSVOA_X
ClientSampleId :
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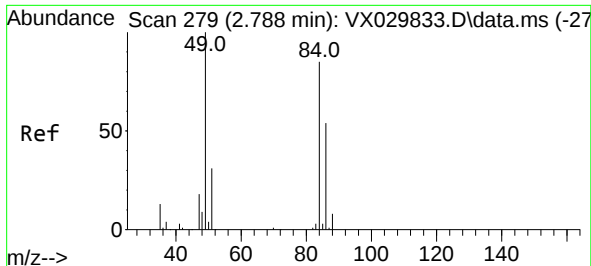
Tgt Ion: 43 Resp: 6158
Ion Ratio Lower Upper
43 100
58 28.3 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 76 Resp: 559
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



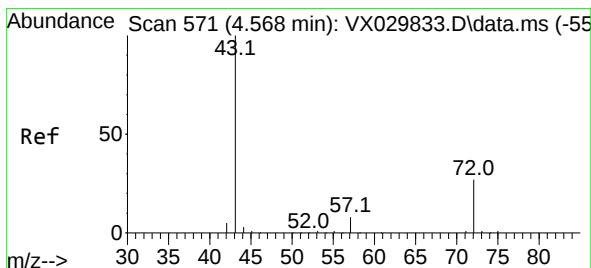
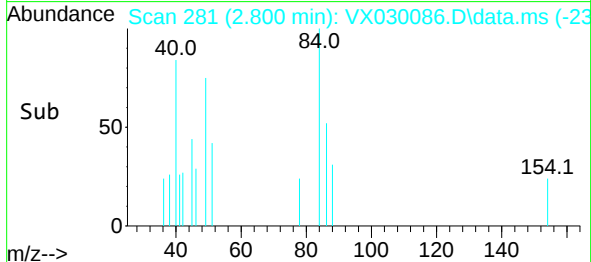
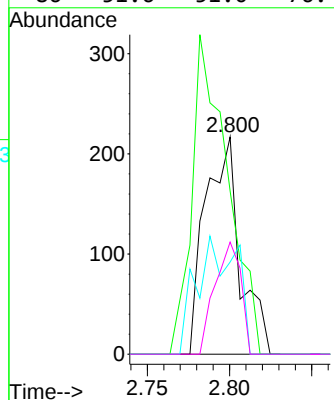
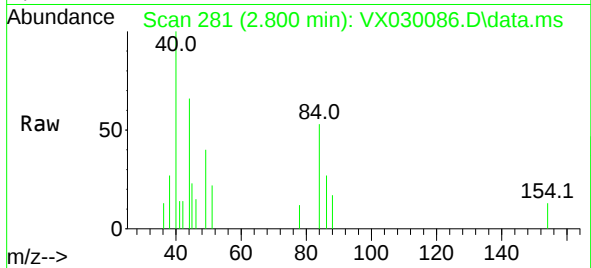


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

Tgt Ion: 84 Resp: 318

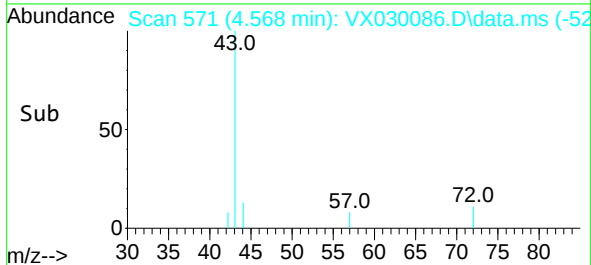
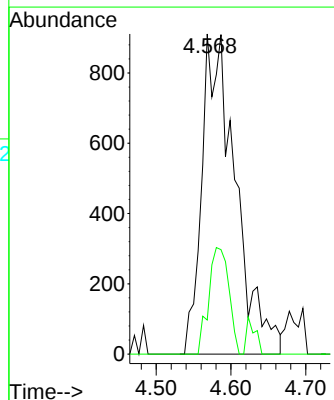
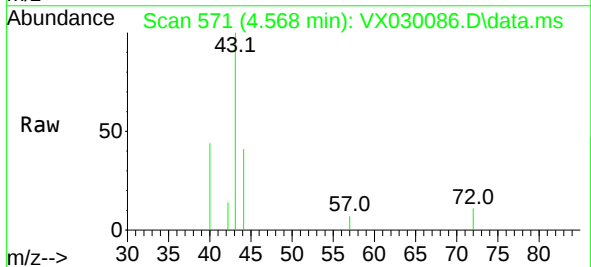
Ion	Ratio	Lower	Upper
84	100		
49	75.1	93.8	140.6#
51	42.4	29.4	44.0
86	51.6	51.0	76.4

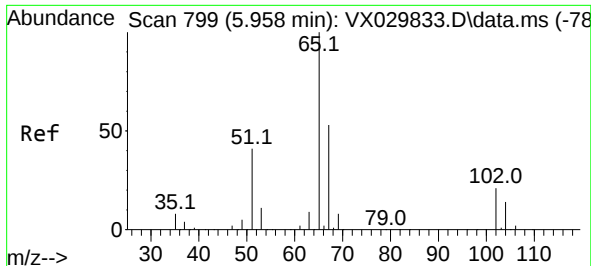


#25
2-Butanone
Concen: 1.790 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 43 Resp: 2851

Ion	Ratio	Lower	Upper
43	100		
72	10.6	21.7	32.5#

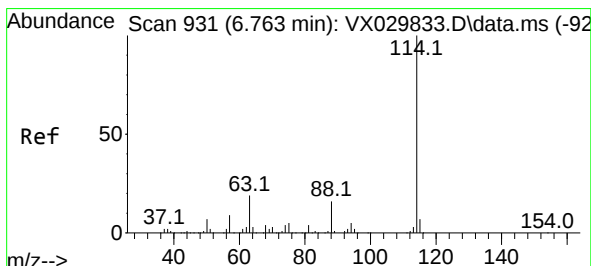
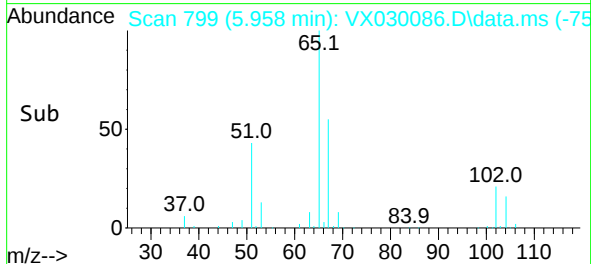
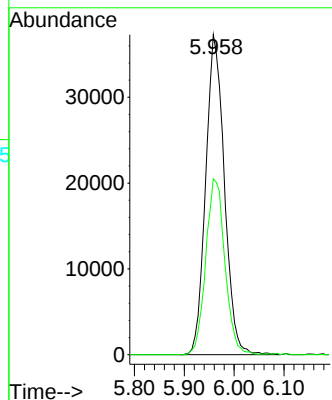
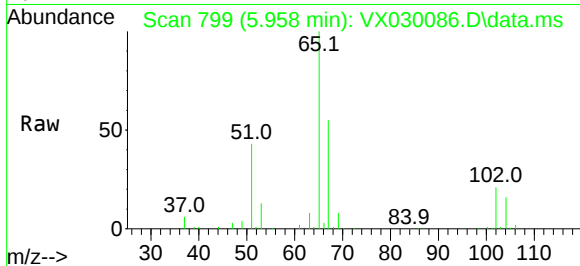




#33
 1,2-Dichloroethane-d4
 Concen: 48.904 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX030086.D
 Acq: 15 Jul 2022 13:06

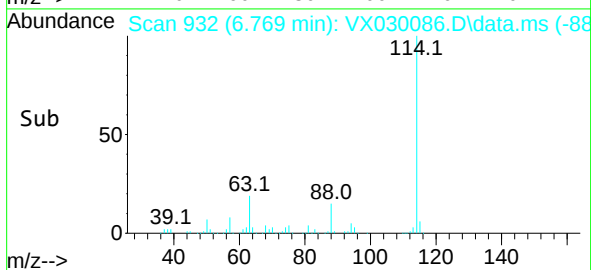
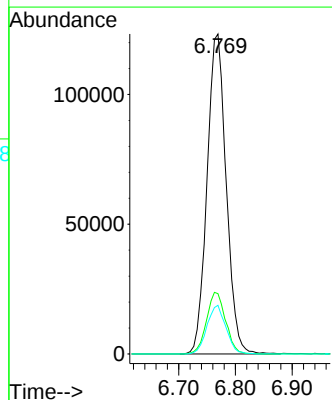
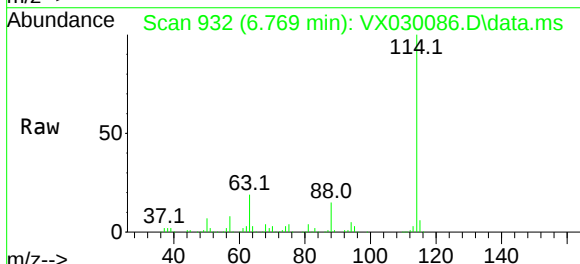
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 GWOW-BR-03-370-390-071422

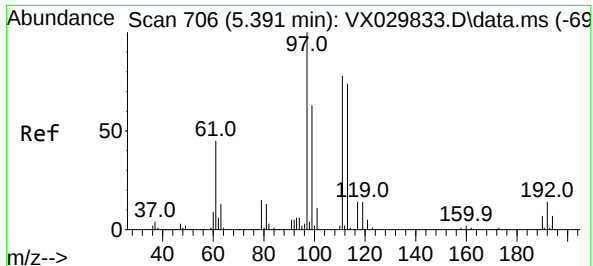
Tgt Ion: 65 Resp: 97052
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX030086.D
 Acq: 15 Jul 2022 13:06

Tgt Ion: 114 Resp: 289745
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.973 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030086.D

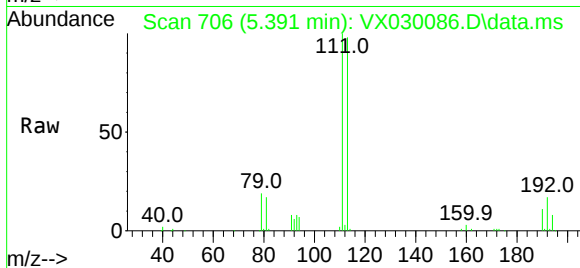
Acq: 15 Jul 2022 13:06

Instrument :

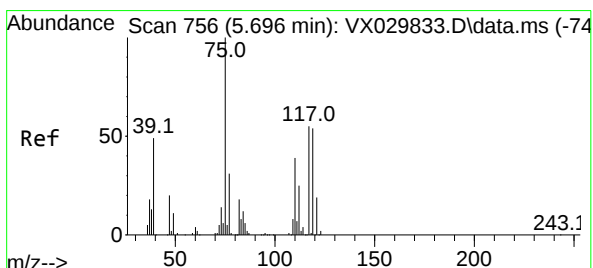
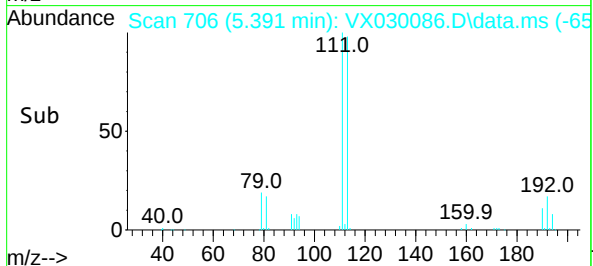
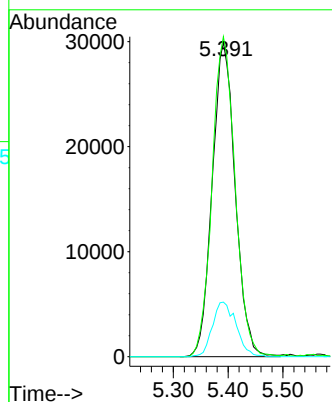
MSVOA_X

ClientSampleId :

GWOW-BR-03-370-390-071422



Tgt Ion:	113	Resp:	86946
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.2	124.8
192	18.0	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.184 ug/l

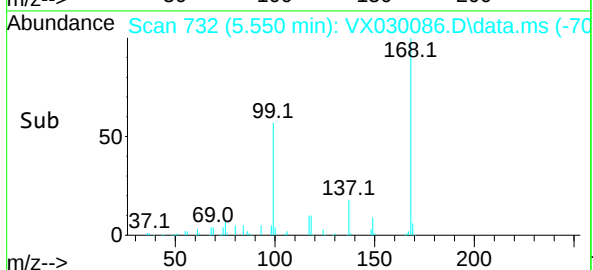
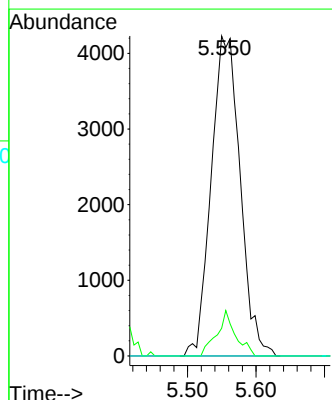
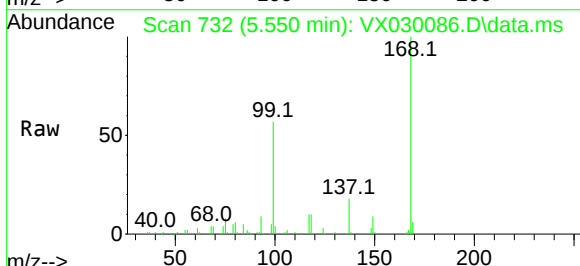
RT: 5.550 min Scan# 732

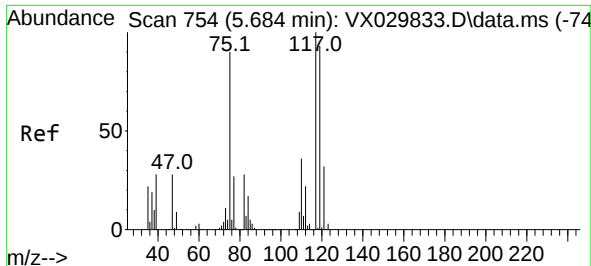
Delta R.T. -0.146 min

Lab File: VX030086.D

Acq: 15 Jul 2022 13:06

Tgt Ion:	75	Resp:	12395
Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.3	57.9#
77	0.0	24.4	36.6#

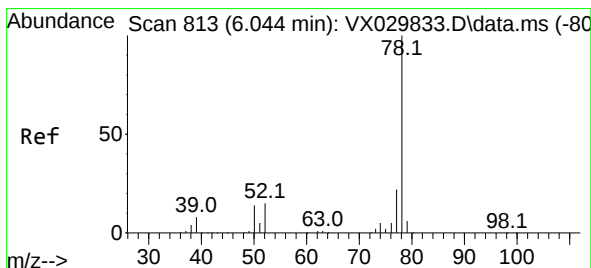
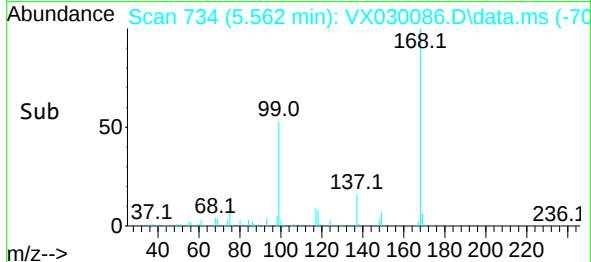
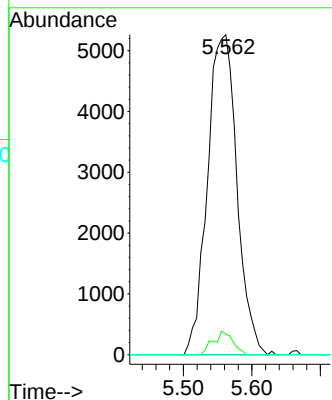
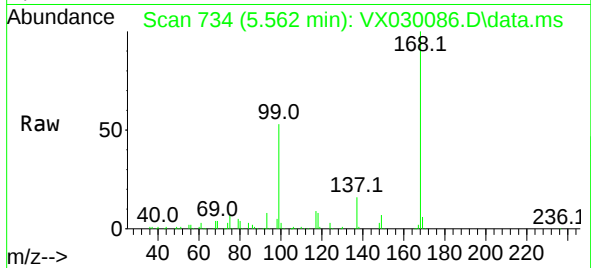




#38
Carbon Tetrachloride
Concen: 7.069 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

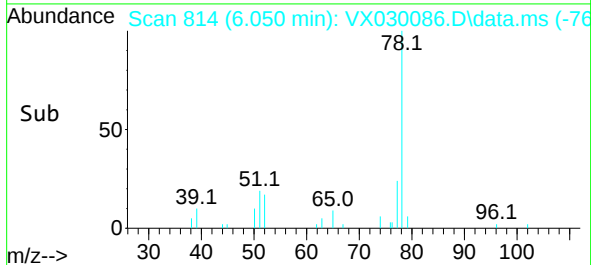
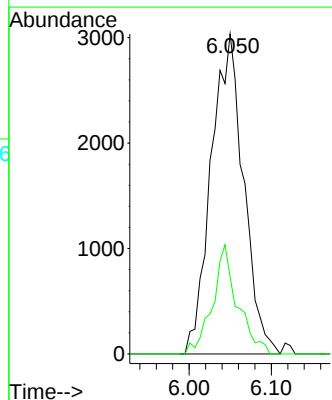
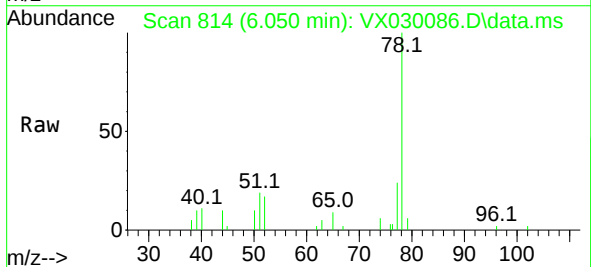
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-03-370-390-071422

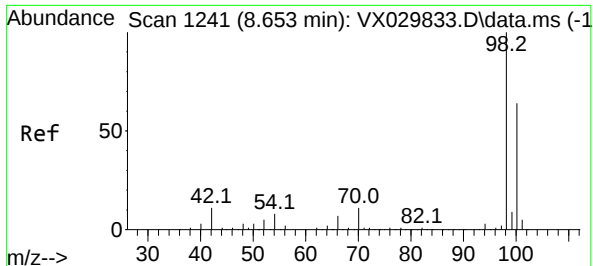
Tgt Ion:117 Resp: 15760
Ion Ratio Lower Upper
117 100
119 6.4 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 1.105 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 78 Resp: 8312
Ion Ratio Lower Upper
78 100
77 24.1 18.0 27.0

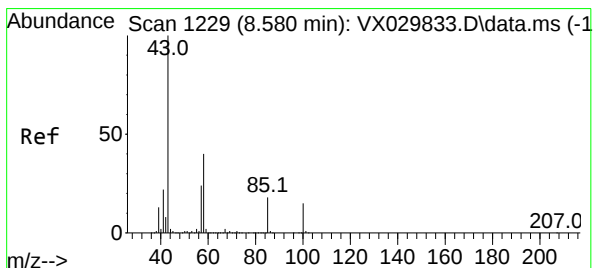
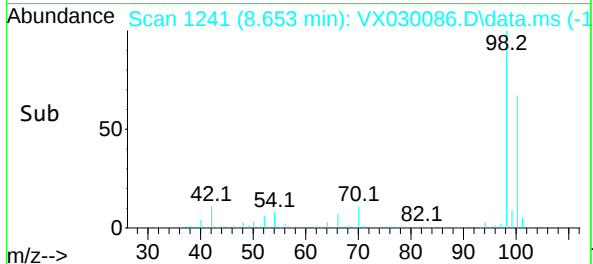
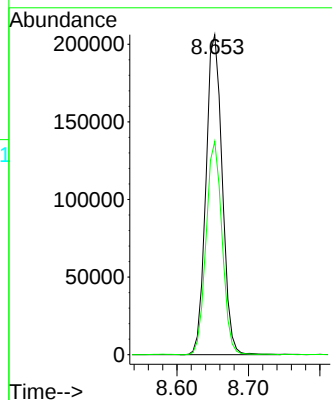
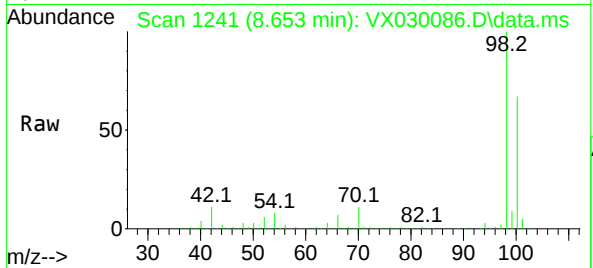




#50
Toluene-d8
Concen: 46.782 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

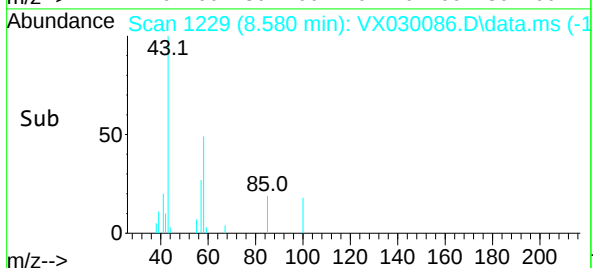
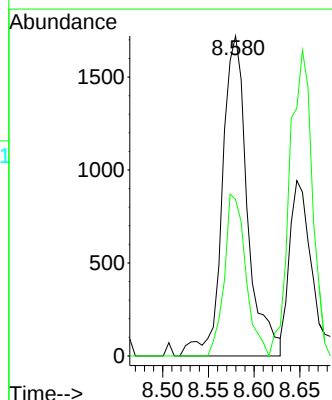
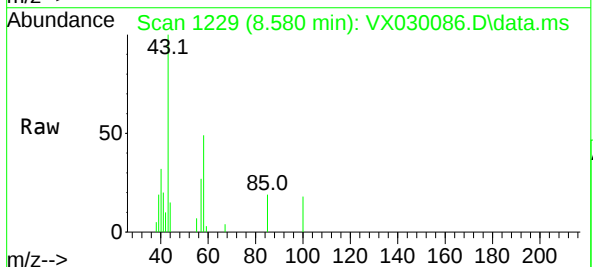
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-03-370-390-071422

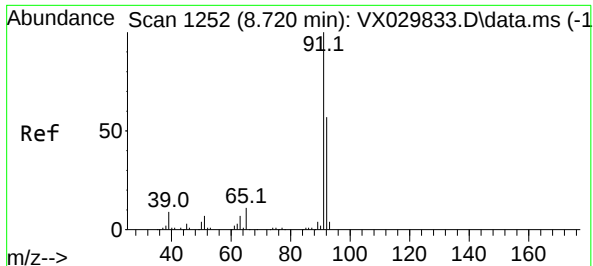
Tgt Ion: 98 Resp: 325673
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.082 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 43 Resp: 3307
Ion Ratio Lower Upper
43 100
58 42.8 31.4 47.2

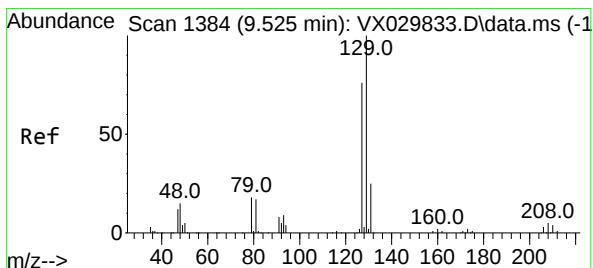
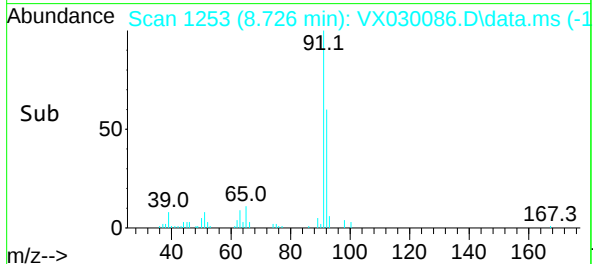
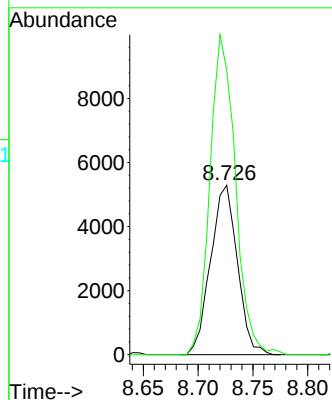
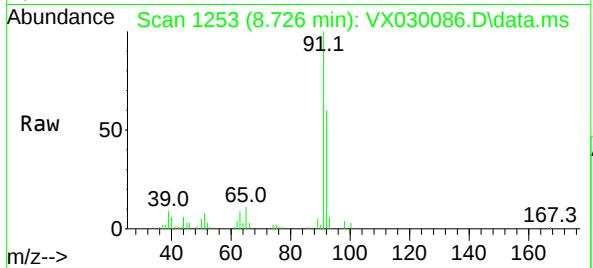




#52
Toluene
Concen: 1.883 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

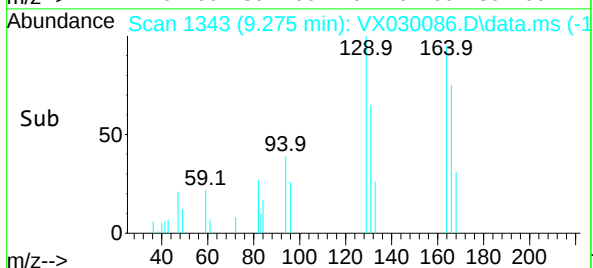
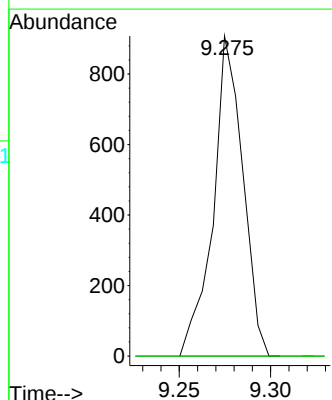
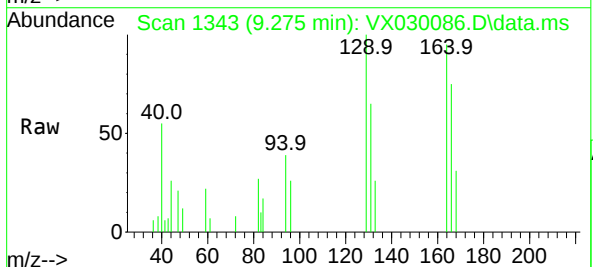
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

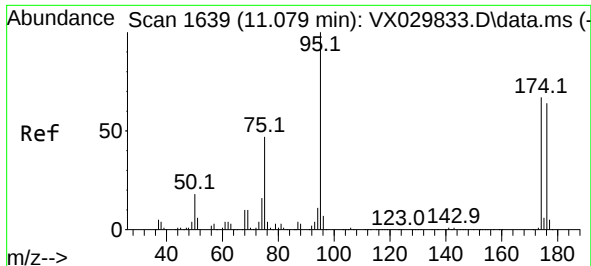
Tgt Ion: 92 Resp: 8997
Ion Ratio Lower Upper
92 100
91 179.6 139.2 208.8



#60
Dibromochloromethane
Concen: 0.533 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 129 Resp: 1023
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

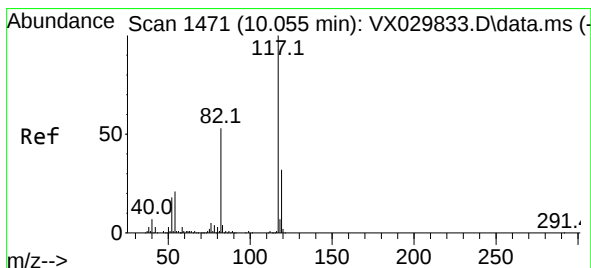
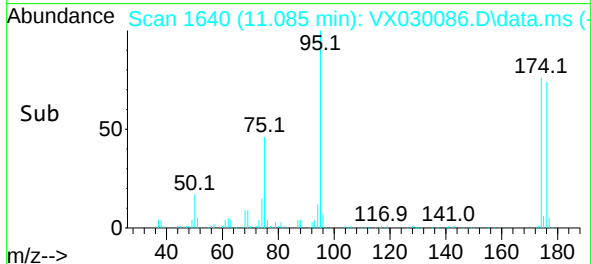
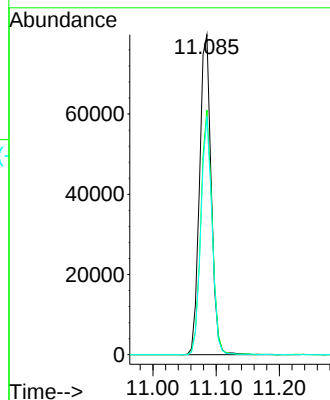
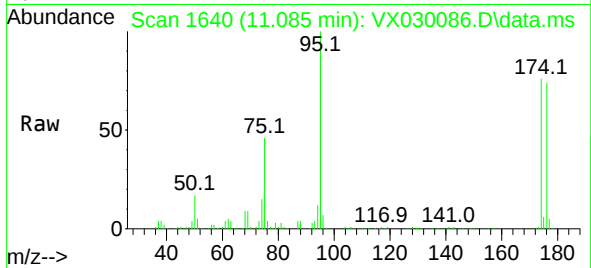




#62
4-Bromofluorobenzene
Concen: 42.295 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

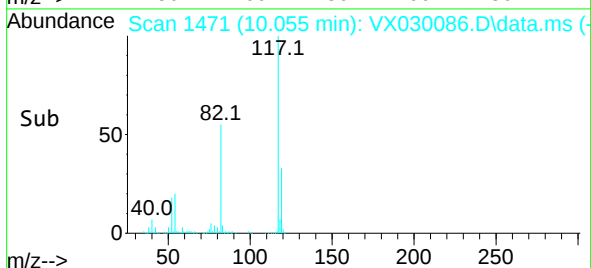
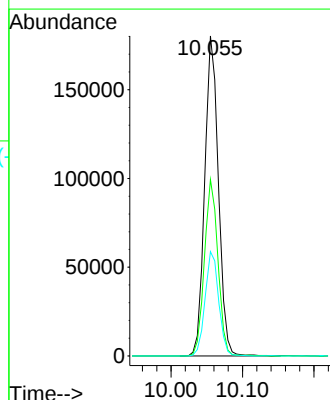
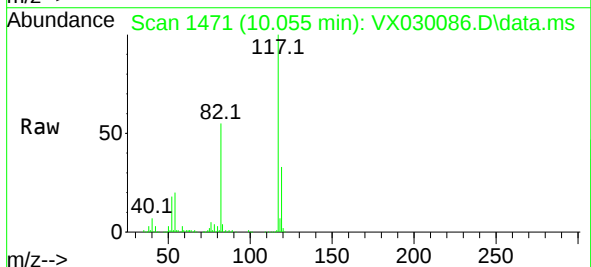
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

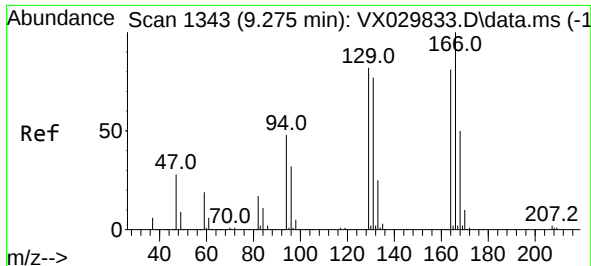
Tgt Ion: 95 Resp: 102179
Ion Ratio Lower Upper
95 100
174 74.3 0.0 149.0
176 71.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion: 117 Resp: 239930
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 32.6 25.4 38.2

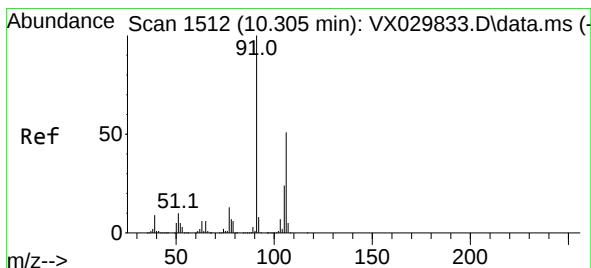
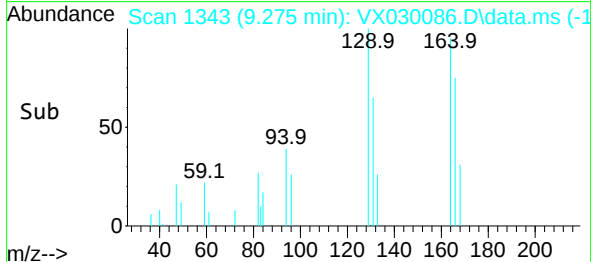
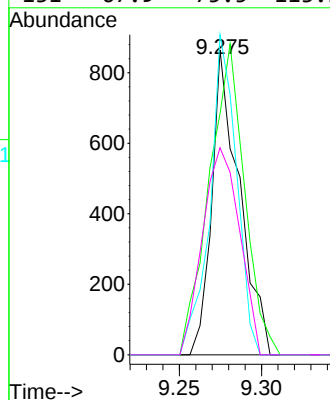
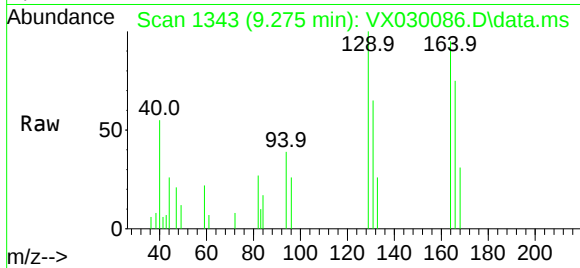




#64
Tetrachloroethene
Concen: 0.520 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

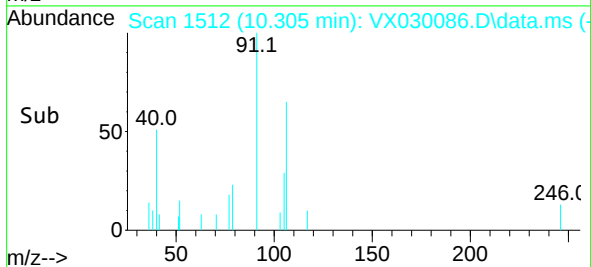
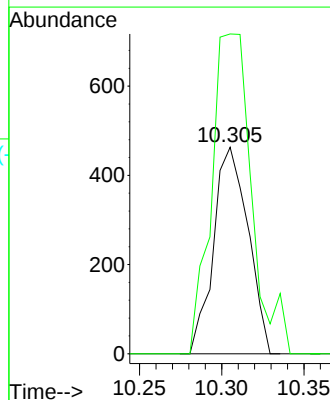
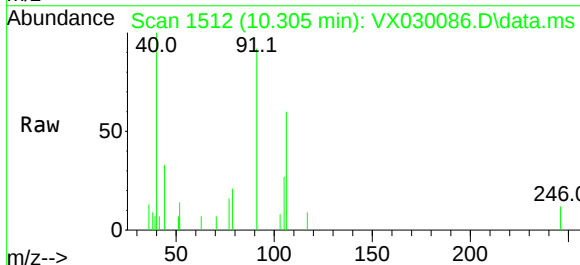
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

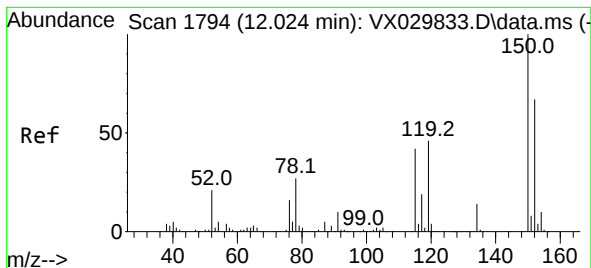
Tgt Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
166 79.1 98.2 147.4#
129 105.0 80.8 121.2
131 67.9 75.5 113.3#



#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion:106 Resp: 677
Ion Ratio Lower Upper
106 100
91 180.2 158.2 237.4

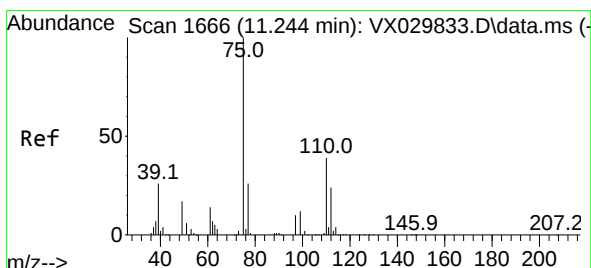
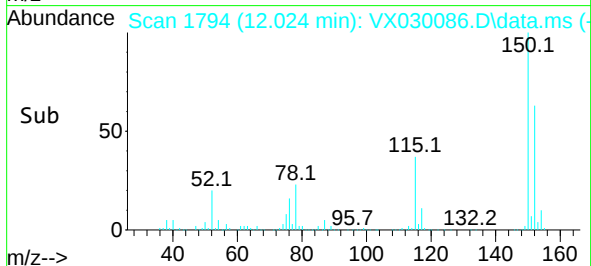
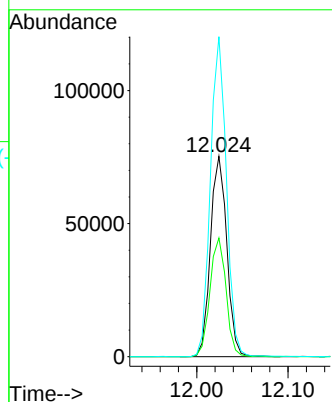
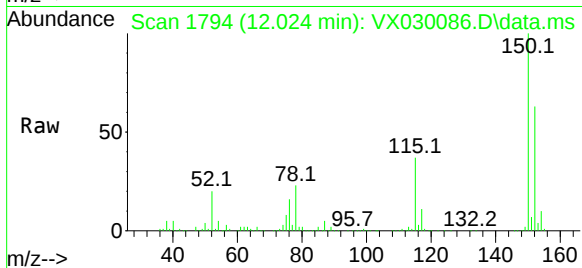




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030086.D
 Acq: 15 Jul 2022 13:06

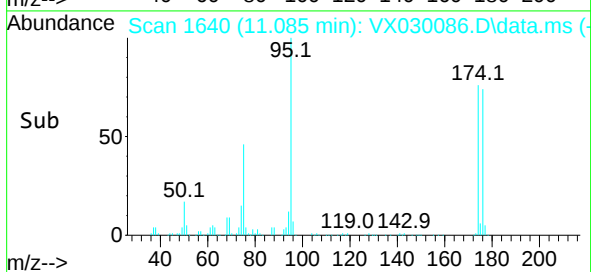
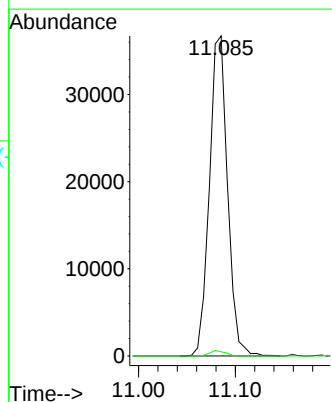
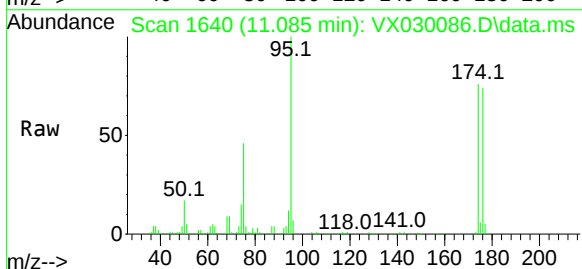
Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-03-370-390-071422

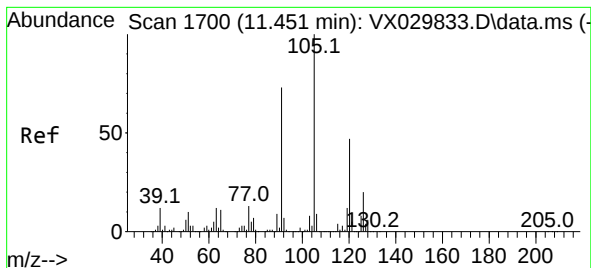
Tgt Ion:152 Resp: 93821
 Ion Ratio Lower Upper
 152 100
 115 58.3 40.5 121.5
 150 155.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.232 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030086.D
 Acq: 15 Jul 2022 13:06

Tgt Ion: 75 Resp: 47958
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.270 ug/l

RT: 11.616 min Scan# 11

Delta R.T. 0.165 min

Lab File: VX030086.D

Acq: 15 Jul 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

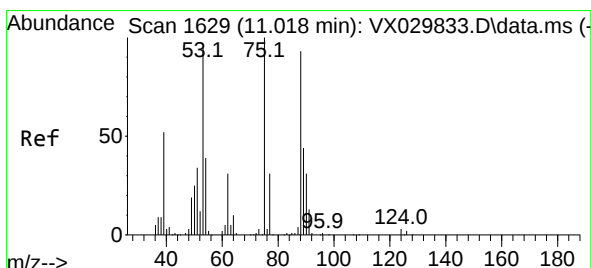
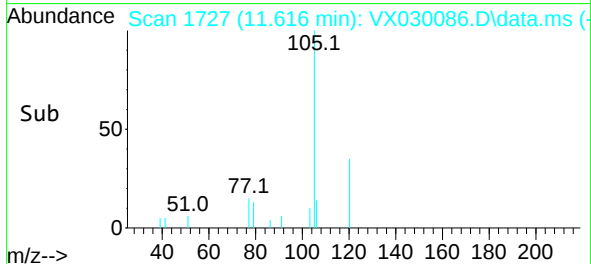
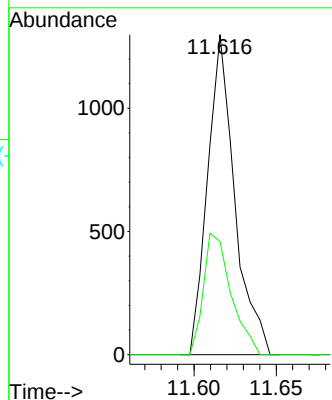
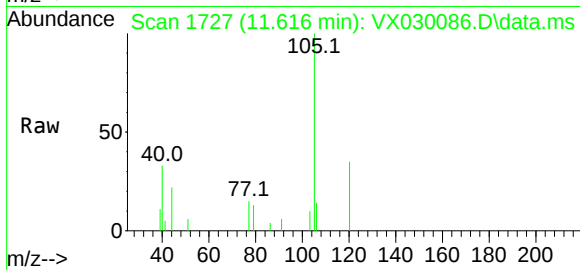
GWOW-BR-03-370-390-071422

Tgt Ion:105 Resp: 1484

Ion Ratio Lower Upper

105 100

120 38.7 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 64.161 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030086.D

Acq: 15 Jul 2022 13:06

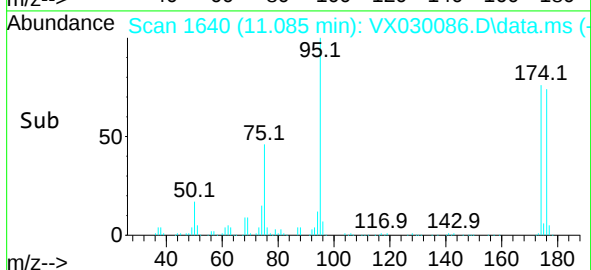
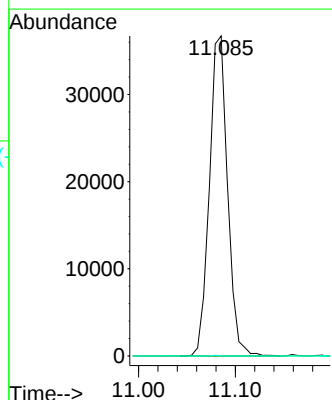
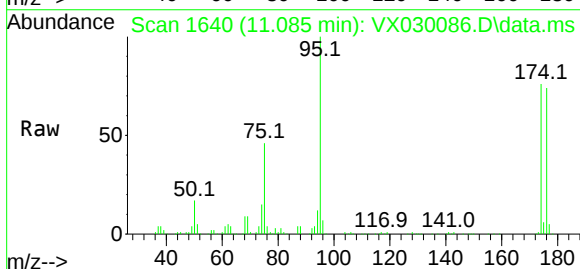
Tgt Ion: 75 Resp: 47958

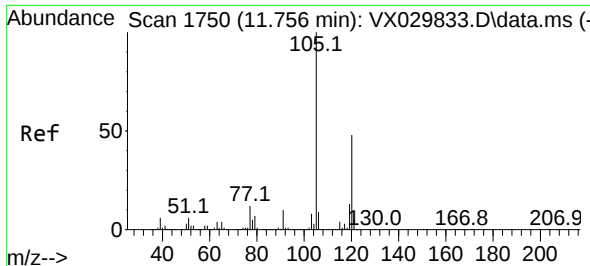
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

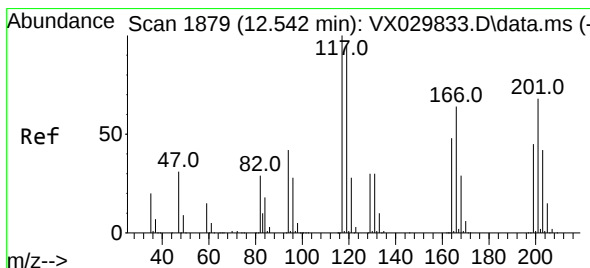
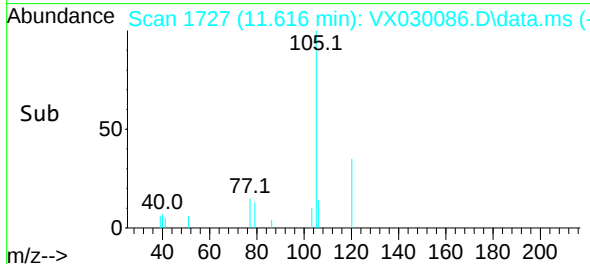
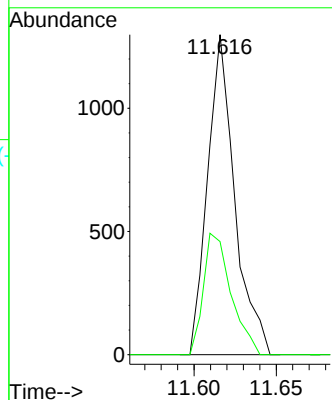
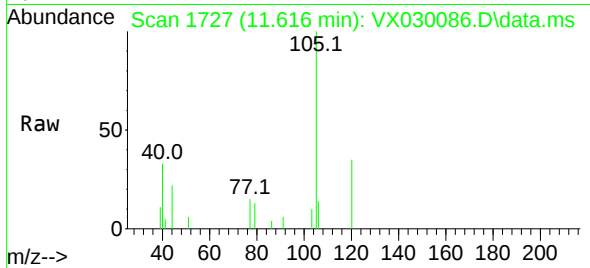




#84
1,2,4-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.616 min Scan# 11
Delta R.T. -0.140 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-370-390-071422

Tgt Ion:105 Resp: 1484
Ion Ratio Lower Upper
105 100
120 38.7 22.9 68.8



#90
Hexachloroethane
Concen: 1.374 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX030086.D
Acq: 15 Jul 2022 13:06

Tgt Ion:117 Resp: 1315
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#

