

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031877.D
 Acq On : 04 Oct 2022 18:16
 Operator : JC/MD
 Sample : N4971-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-02-231-251-100322

Quant Time: Oct 05 06:26:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

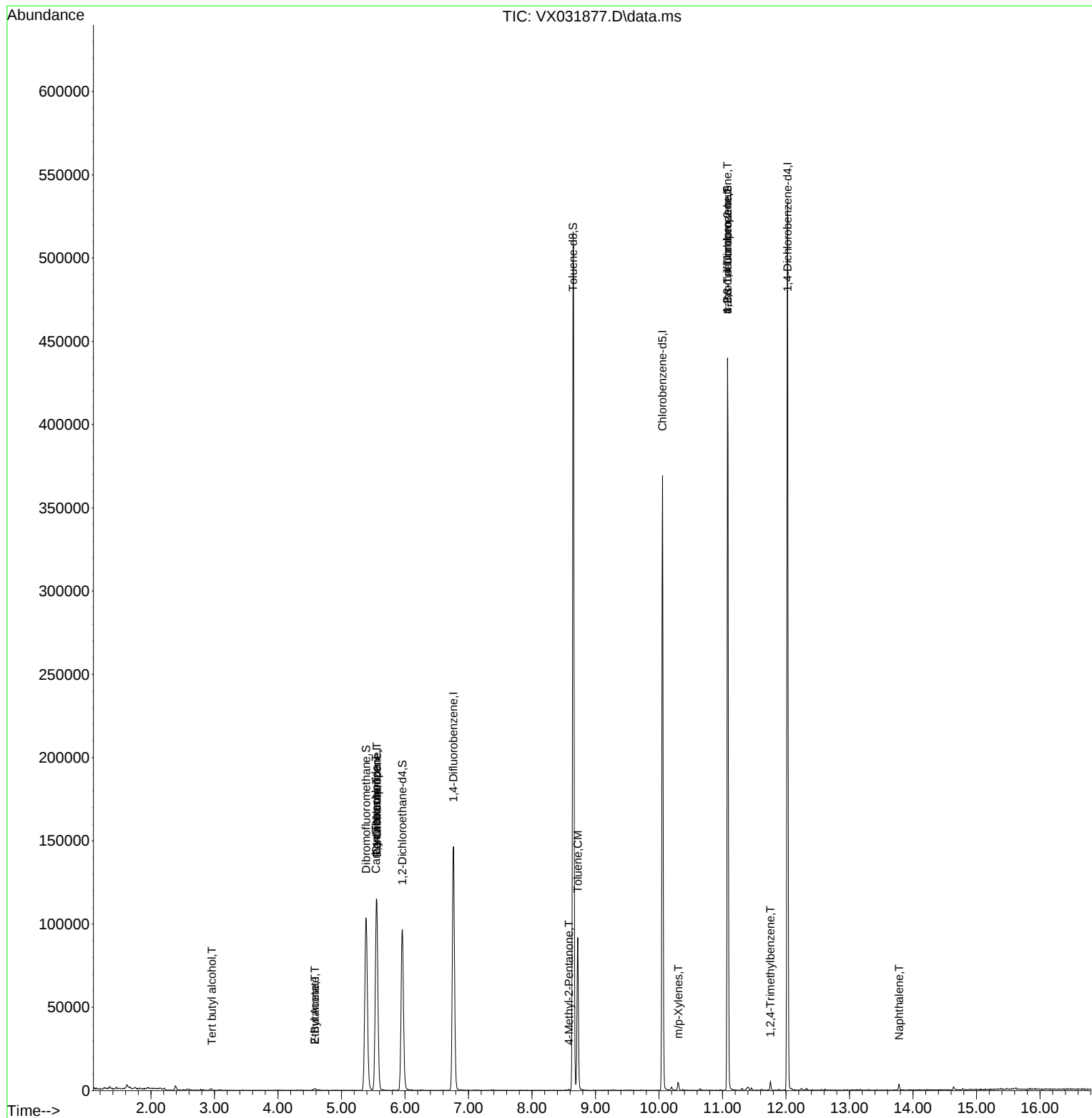
Internal Standards						
1) Pentafluorobenzene	5.556	168	124639	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	173067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91001	40.753	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.500%
35) Dibromofluoromethane	5.385	113	90186	43.860	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.720%
50) Toluene-d8	8.647	98	326541	44.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.780%
62) 4-Bromofluorobenzene	11.079	95	113552	42.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.740%
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	581	Below Cal		84
6) Chloroethane	1.642	64	26	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	488	1.570	ug/l #	73
16) Acetone	2.386	43	2809	Below Cal		91
17) Carbon Disulfide	2.508	76	441	Below Cal	#	75
25) 2-Butanone	4.581	43	623	0.608	ug/l #	73
31) Cyclohexane	5.550	56	1982	0.745	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	7005	2.747	ug/l #	53
37) Ethyl Acetate	4.581	43	623	0.323	ug/l #	68
38) Carbon Tetrachloride	5.544	117	11253	3.555	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	435	0.222	ug/l	94
52) Toluene	8.720	92	37318	7.227	ug/l	97
68) m/p-Xylenes	10.305	106	1512	0.402	ug/l	77
76) 1,2,3-Trichloropropane	11.079	75	52505	23.020	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	52505	79.023	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	2439	0.331	ug/l	84
95) Naphthalene	13.780	128	3391	0.403	ug/l	96

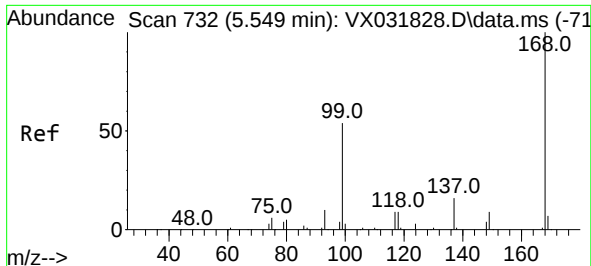
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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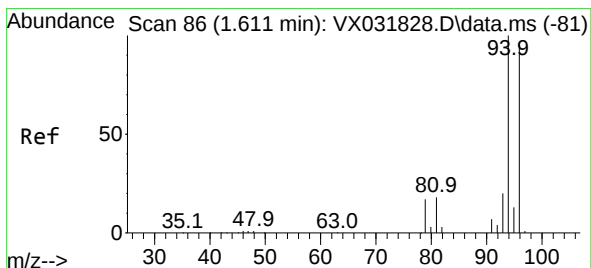
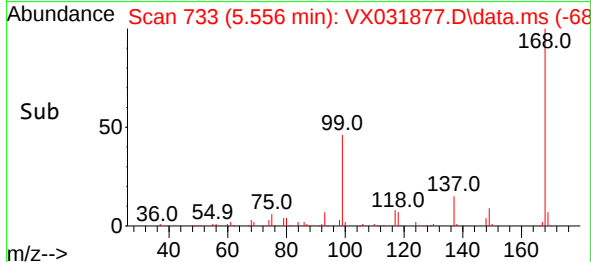
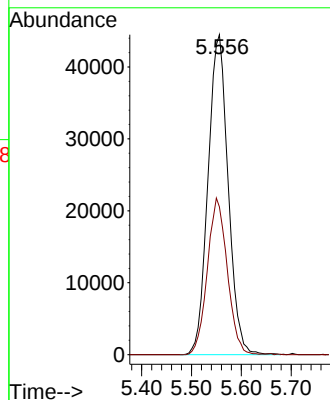
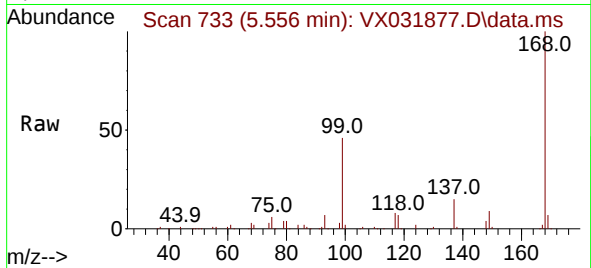




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

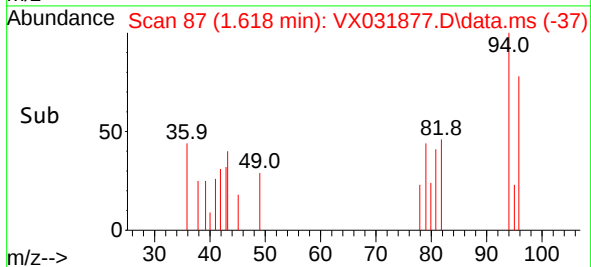
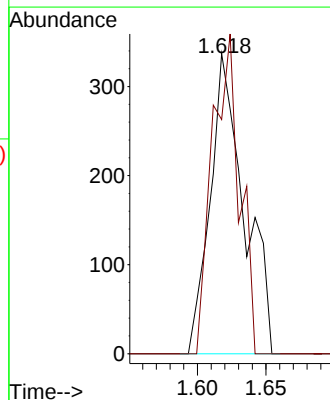
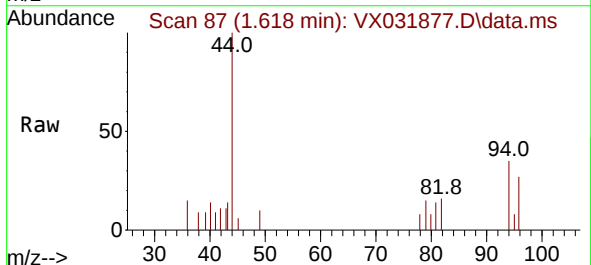
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-02-231-251-100322

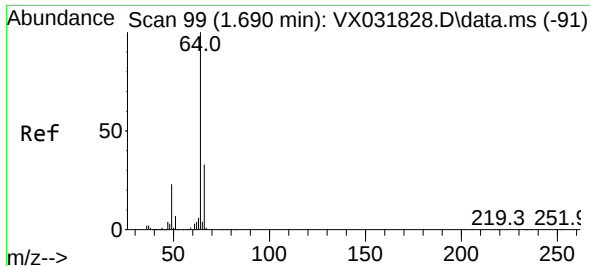
Tgt Ion:168 Resp: 124639
Ion Ratio Lower Upper
168 100
99 46.2 48.8 73.2#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion: 94 Resp: 581
Ion Ratio Lower Upper
94 100
96 78.0 74.4 111.6

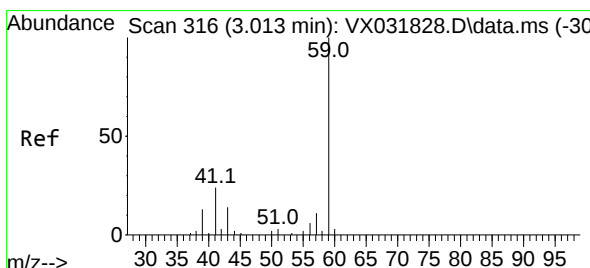
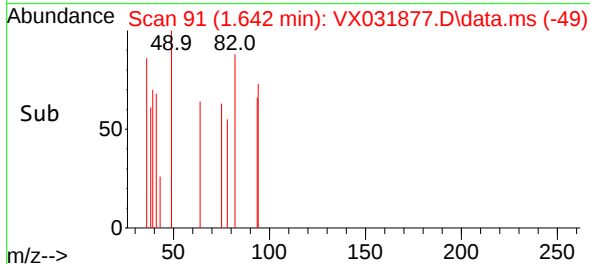
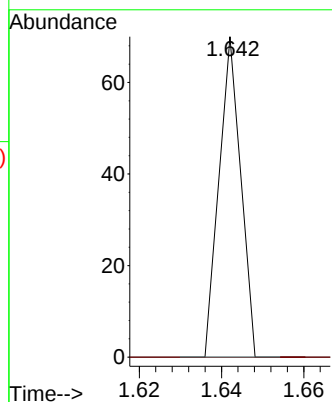
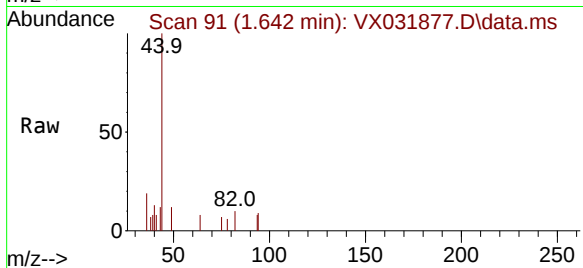




#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.043 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

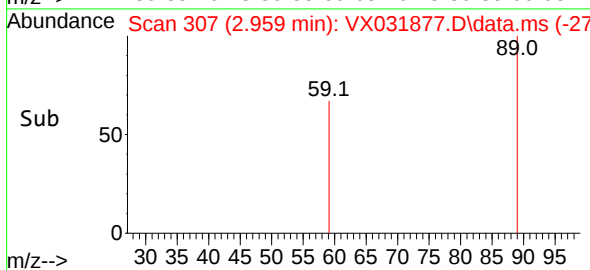
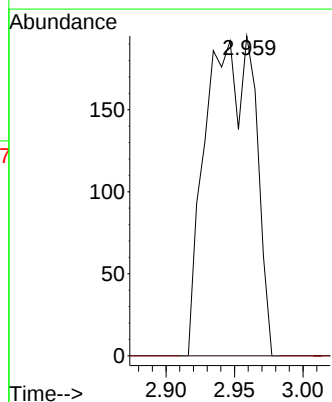
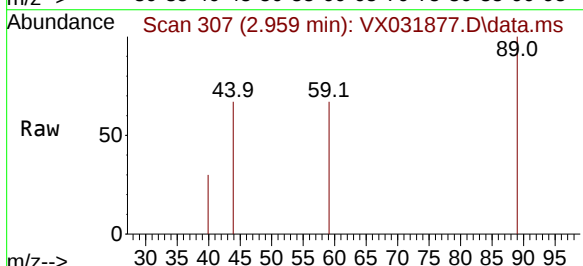
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-02-231-251-100322

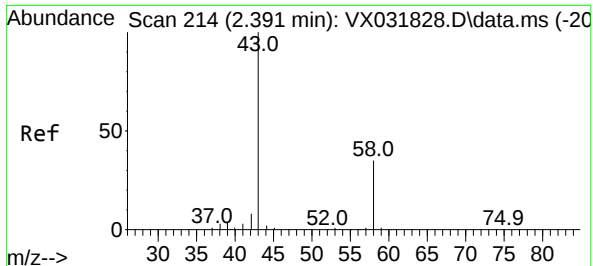
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 1.570 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.122 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

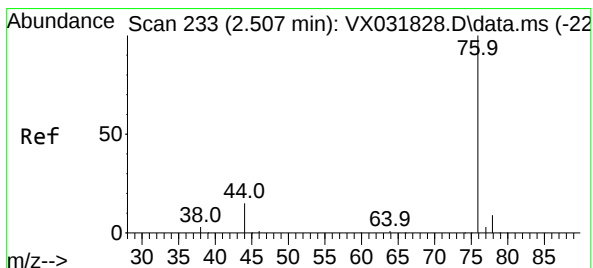
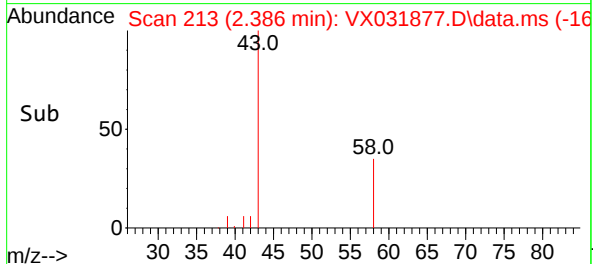
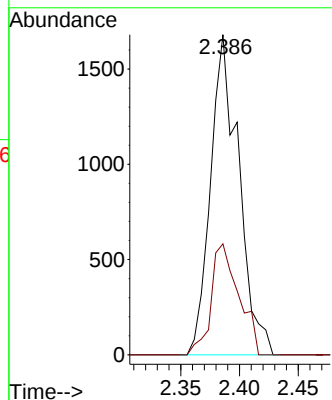
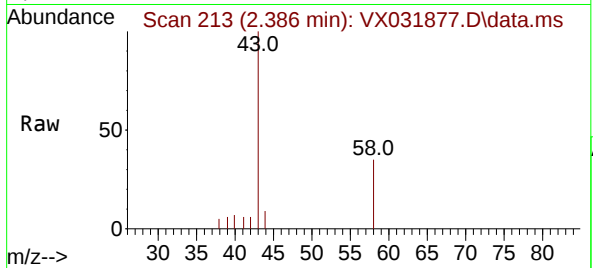




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

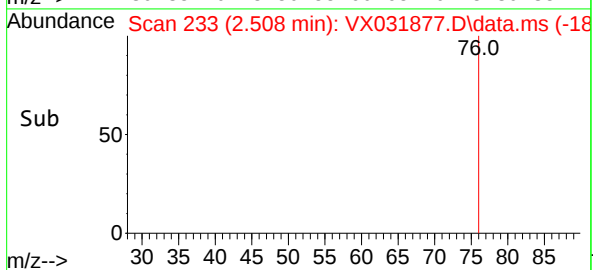
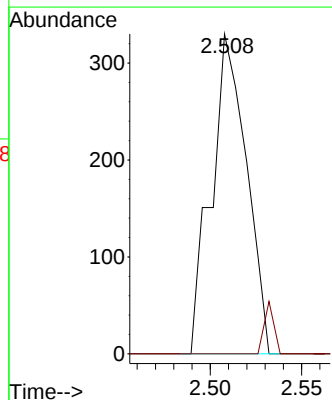
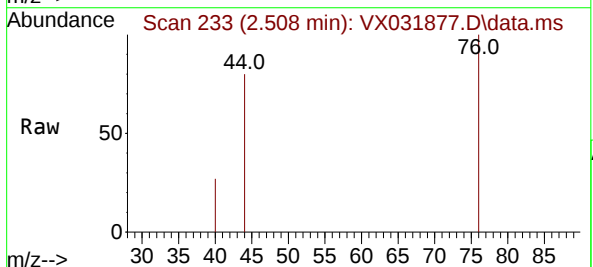
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-02-231-251-100322

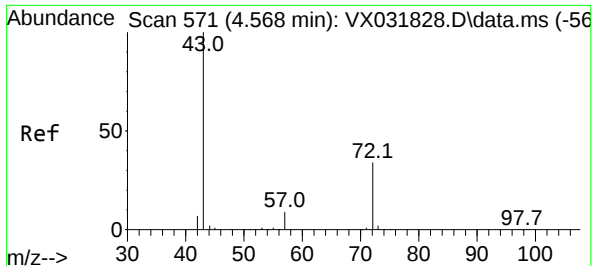
Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 34.7 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion: 76 Resp: 441
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 0.608 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Instrument :

MSVOA_X

ClientSampleId :

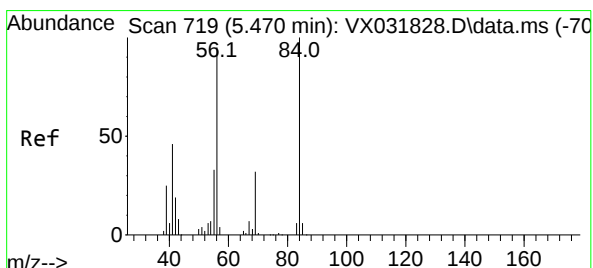
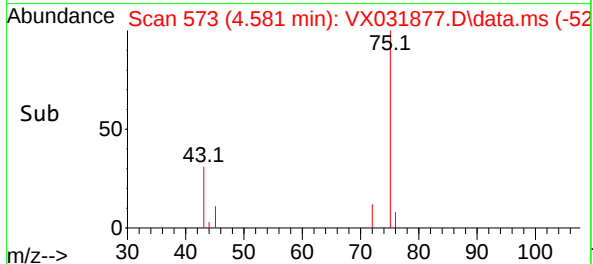
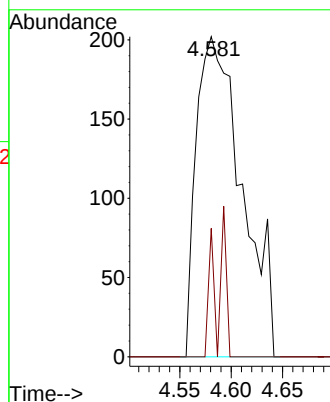
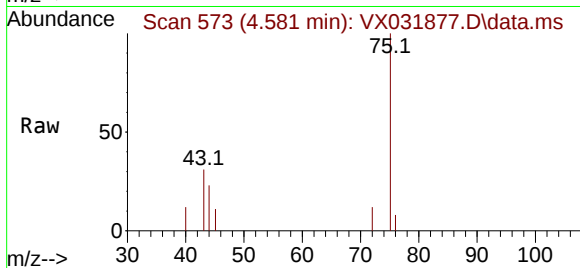
GWOW-BR-02-231-251-100322

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

43 100

72 40.1 21.1 31.7#



#31

Cyclohexane

Concen: 0.745 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

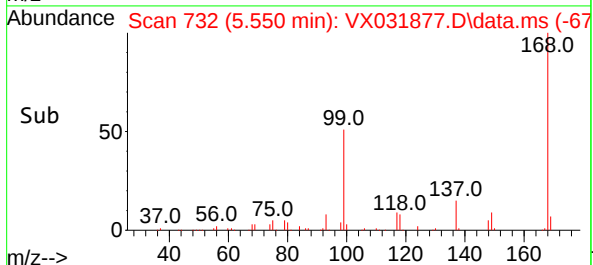
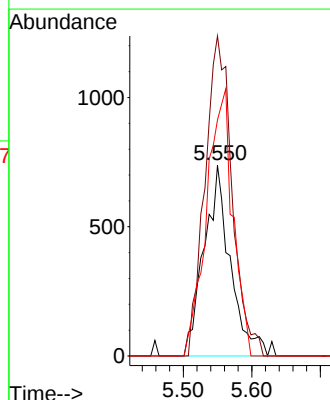
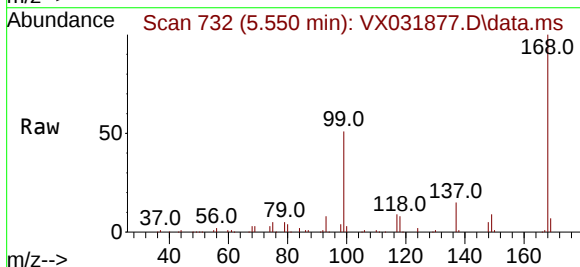
Tgt Ion: 56 Resp: 1982

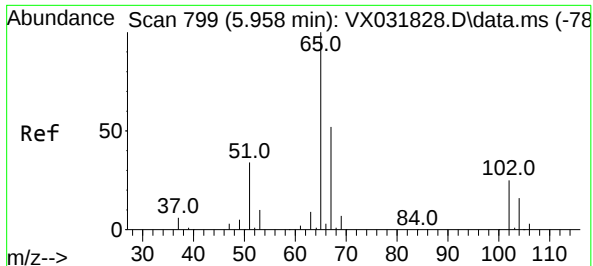
Ion Ratio Lower Upper

56 100

69 167.8 25.1 37.7#

84 123.7 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 40.753 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Instrument :

MSVOA_X

ClientSampleId :

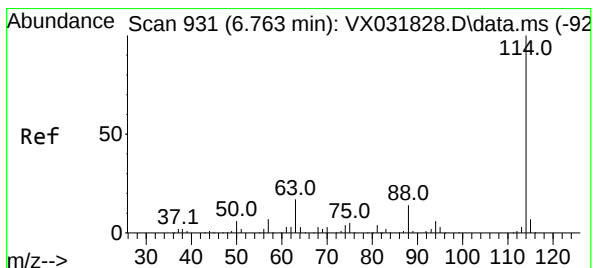
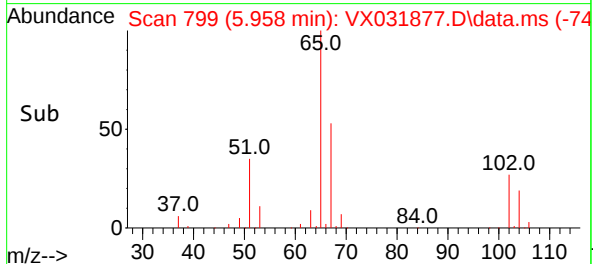
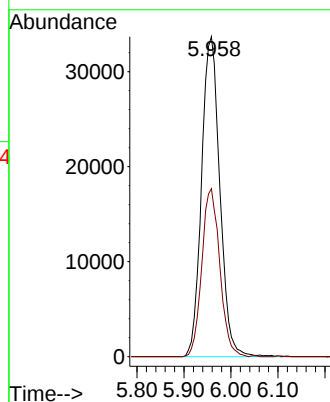
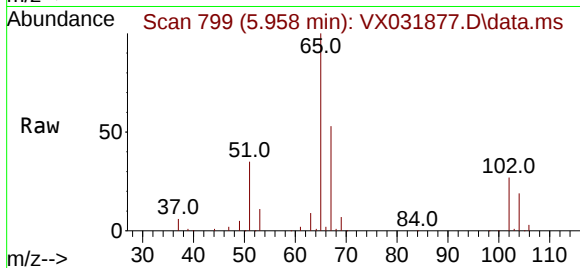
GWOW-BR-02-231-251-100322

Tgt Ion: 65 Resp: 91001

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

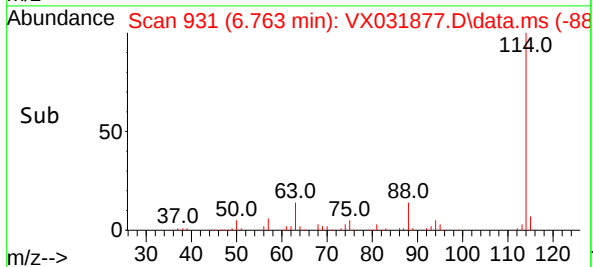
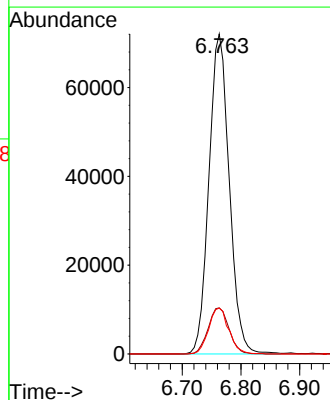
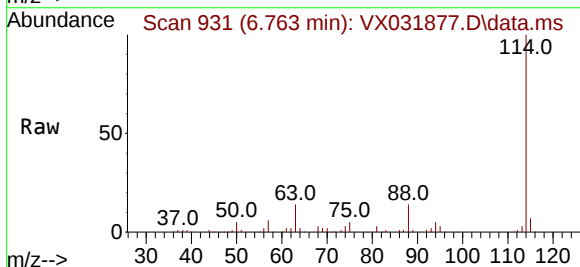
Tgt Ion: 114 Resp: 173067

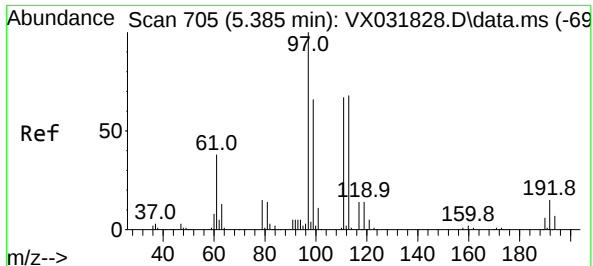
Ion Ratio Lower Upper

114 100

63 14.4 0.0 42.6

88 14.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 43.860 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031877.D

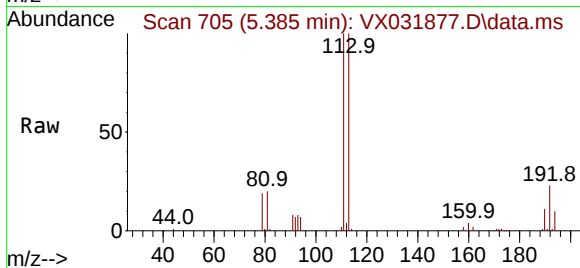
Acq: 04 Oct 2022 18:16

Instrument :

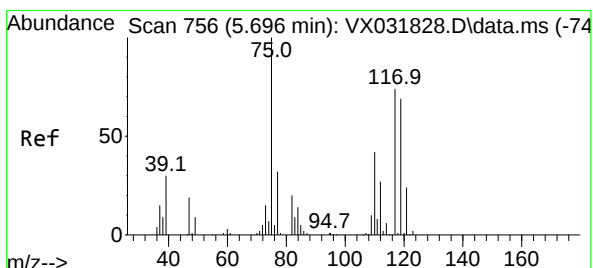
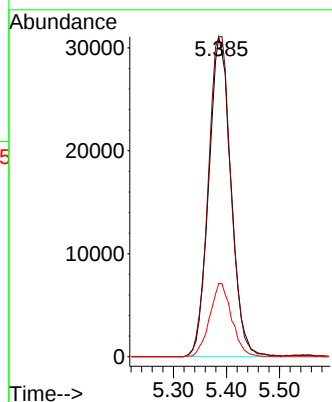
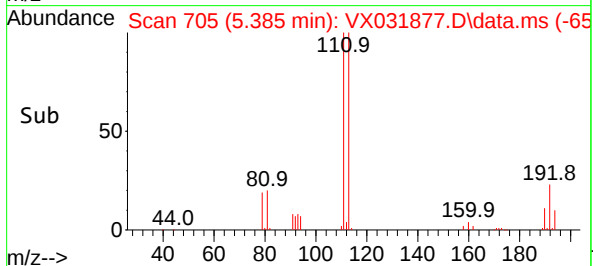
MSVOA_X

ClientSampleId :

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Tgt Ion:	113	Resp:	90186
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	22.8	14.1	21.1#



#36

1,1-Dichloropropene

Concen: 2.747 ug/l

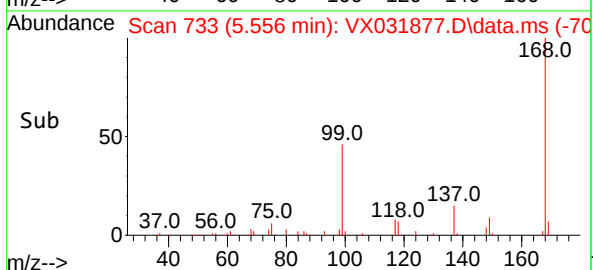
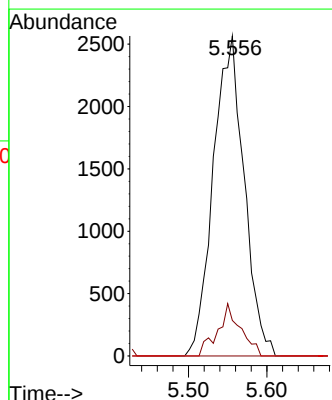
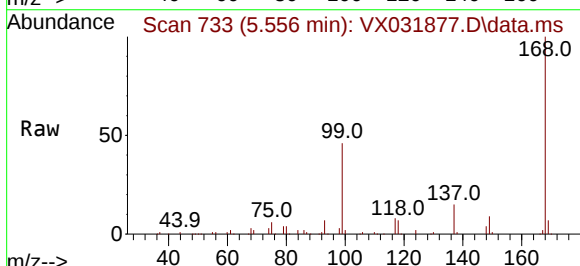
RT: 5.556 min Scan# 733

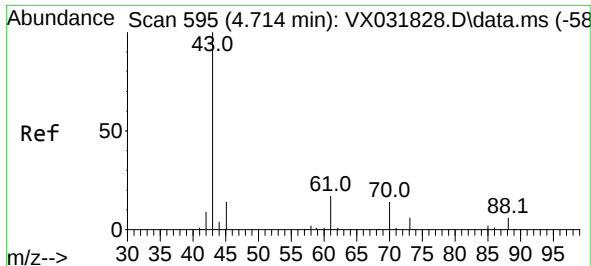
Delta R.T. -0.140 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Tgt Ion:	75	Resp:	7005
Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.5	52.5#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.323 ug/l

RT: 4.581 min Scan# 51

Delta R.T. -0.133 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

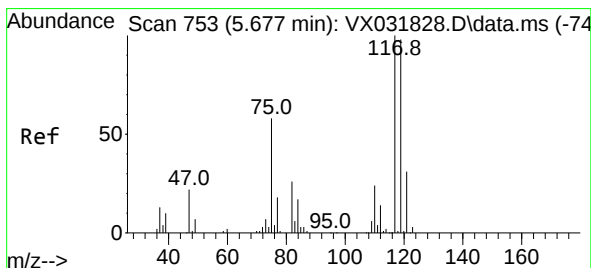
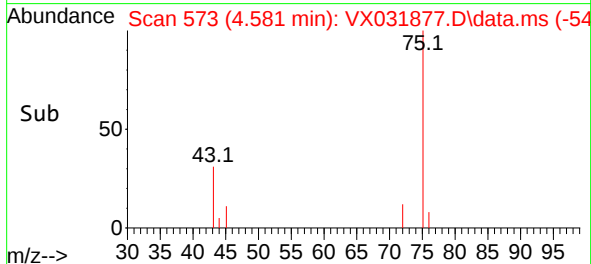
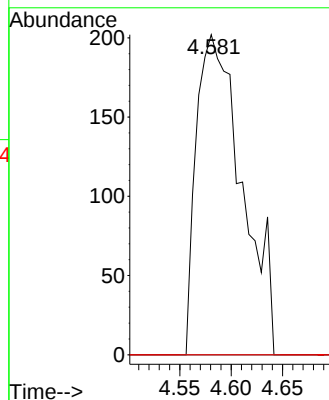
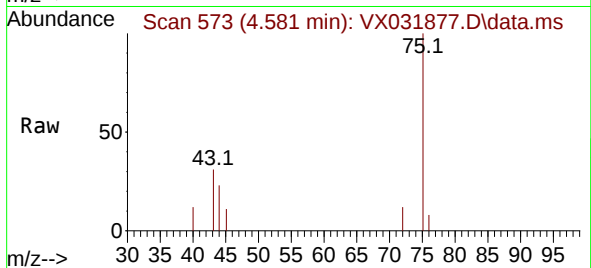
Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-02-231-251-100322

Tgt Ion: 43	Resp: 623
Ion Ratio	Lower Upper
43 100	
61 0.0	11.1 16.7#
70 0.0	8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.555 ug/l

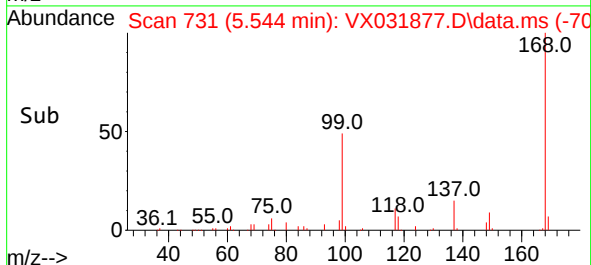
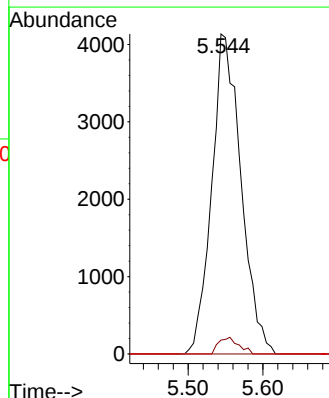
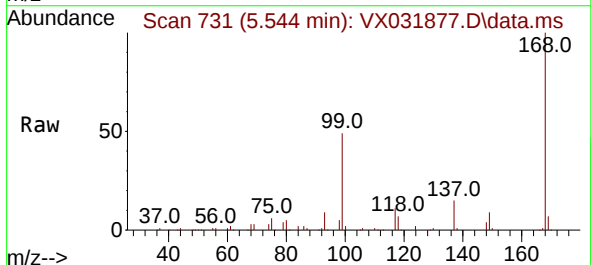
RT: 5.544 min Scan# 731

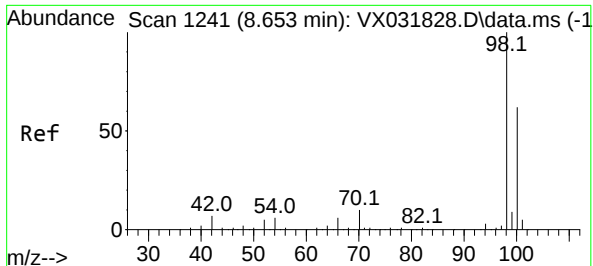
Delta R.T. -0.134 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Tgt Ion: 117	Resp: 11253
Ion Ratio	Lower Upper
117 100	
119 4.4	74.6 112.0#
121 0.0	25.3 37.9#





#50

Toluene-d8

Concen: 44.392 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Instrument :

MSVOA_X

ClientSampleId :

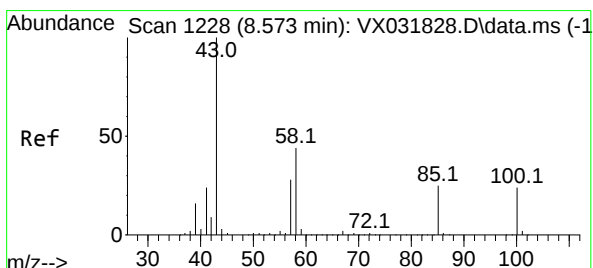
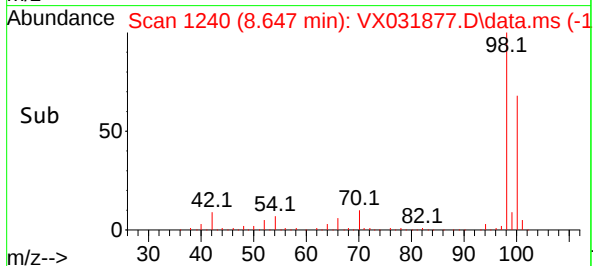
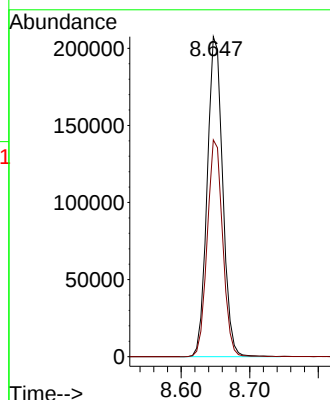
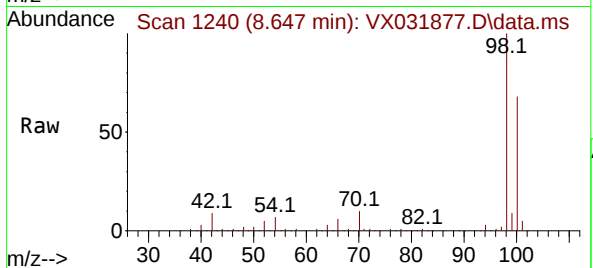
GWOW-BR-02-231-251-100322

Tgt Ion: 98 Resp: 326541

Ion Ratio Lower Upper

98 100

100 67.5 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.222 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX031877.D

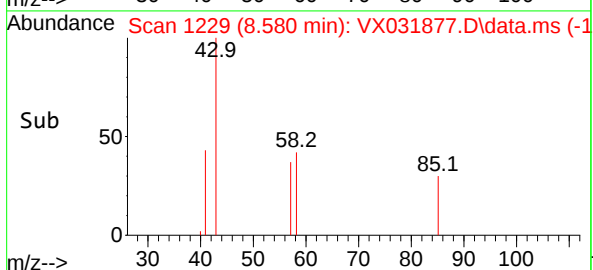
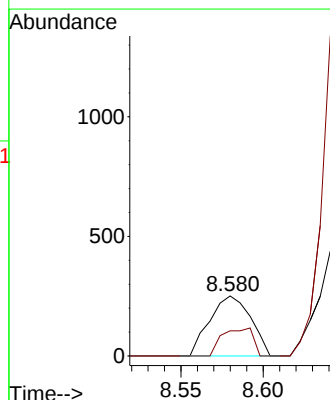
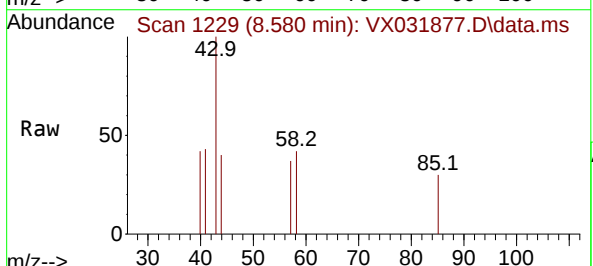
Acq: 04 Oct 2022 18:16

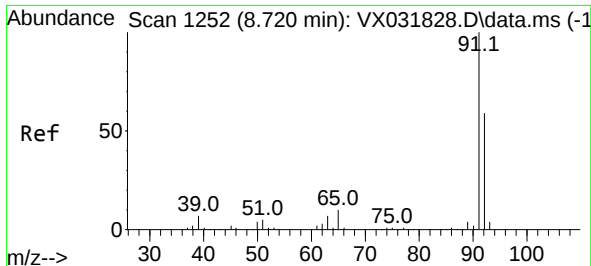
Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

58 34.7 30.6 46.0

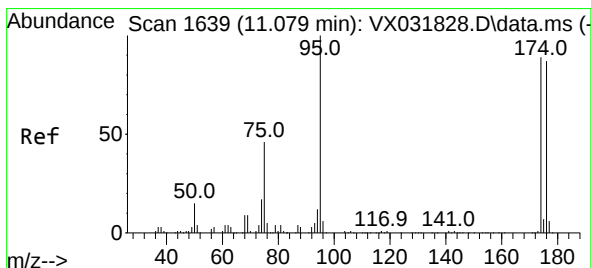
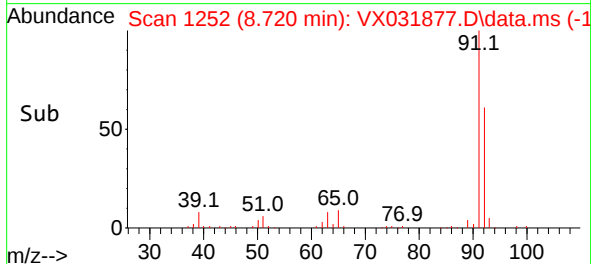
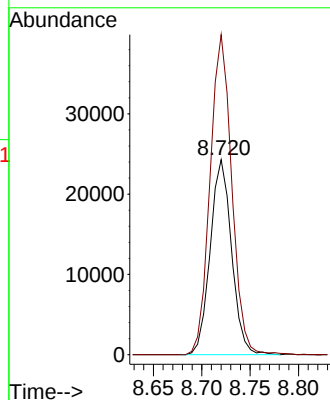
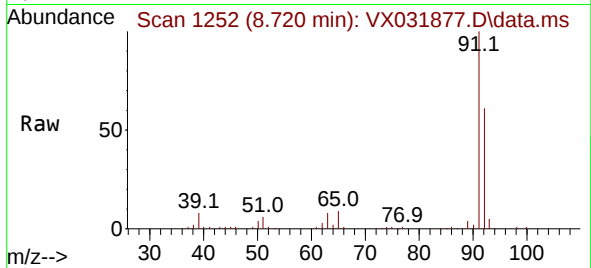




#52
Toluene
Concen: 7.227 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

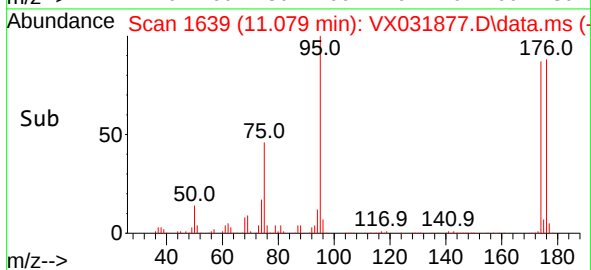
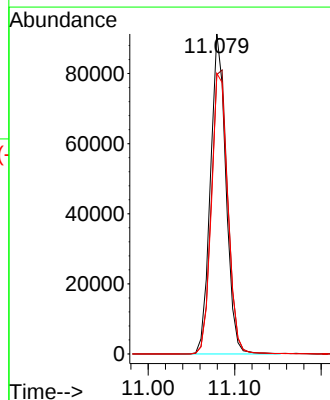
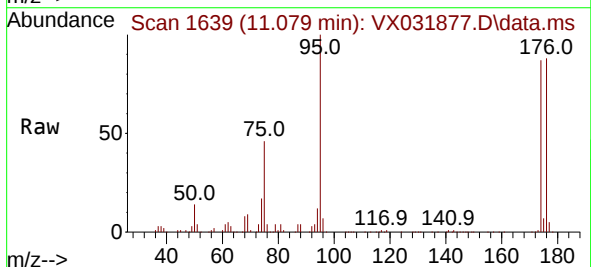
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-02-231-251-100322

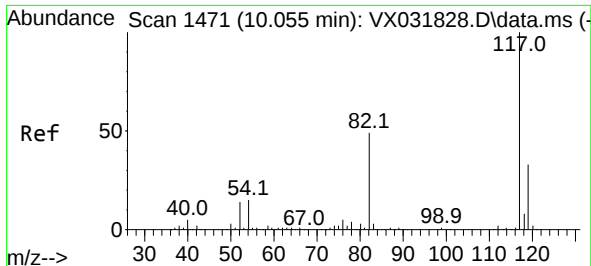
Tgt Ion: 92 Resp: 37318
Ion Ratio Lower Upper
92 100
91 166.7 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 42.868 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion: 95 Resp: 113552
Ion Ratio Lower Upper
95 100
174 95.1 0.0 153.2
176 92.9 0.0 144.0

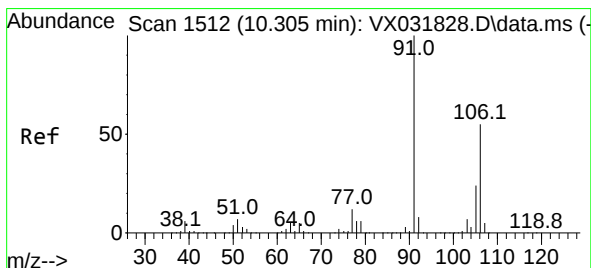
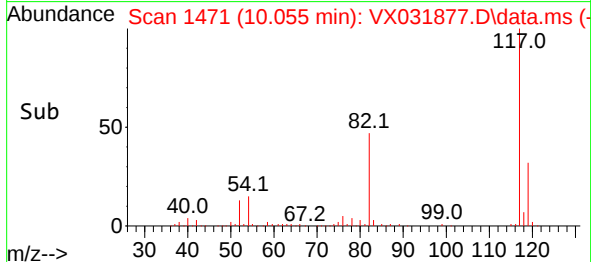
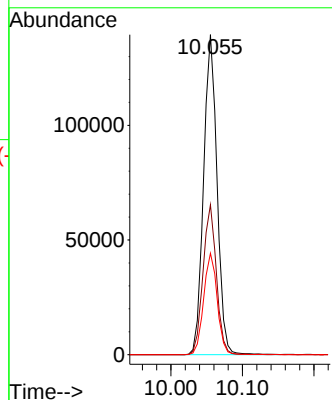
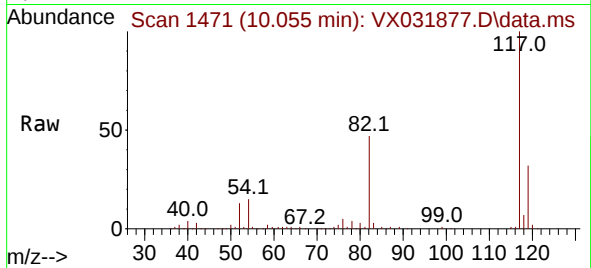




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

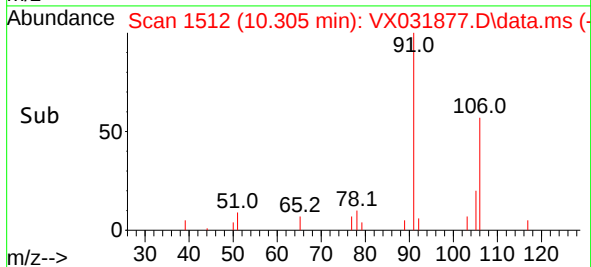
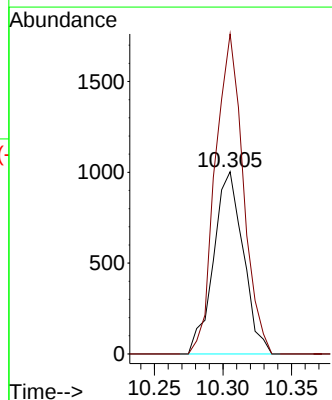
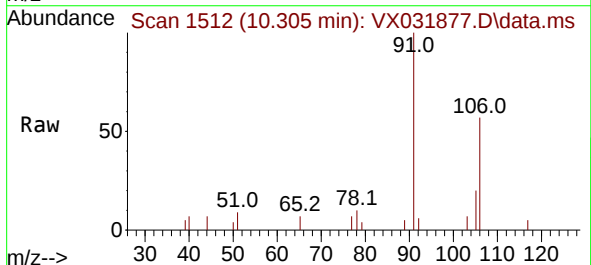
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-02-231-251-100322

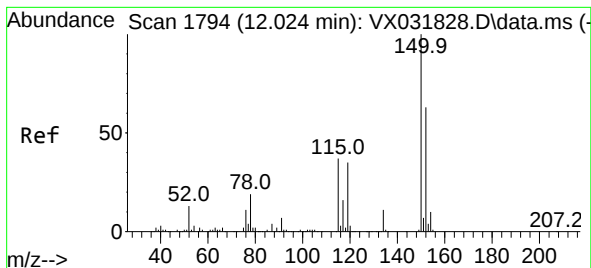
Tgt Ion:117 Resp: 182517
Ion Ratio Lower Upper
117 100
82 46.9 46.8 70.2
119 31.7 26.4 39.6



#68
m/p-Xylenes
Concen: 0.402 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion:106 Resp: 1512
Ion Ratio Lower Upper
106 100
91 165.5 161.0 241.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031877.D

Acq: 04 Oct 2022 18:16

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-02-231-251-100322

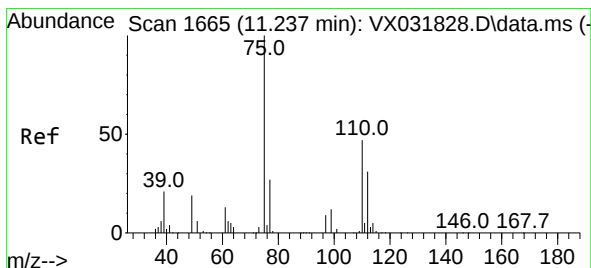
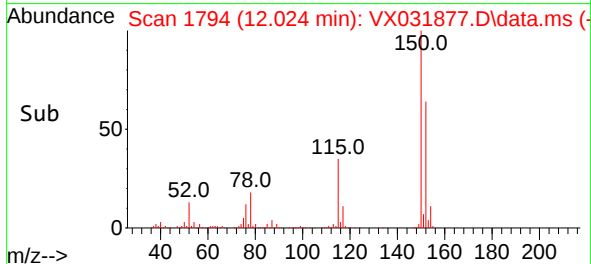
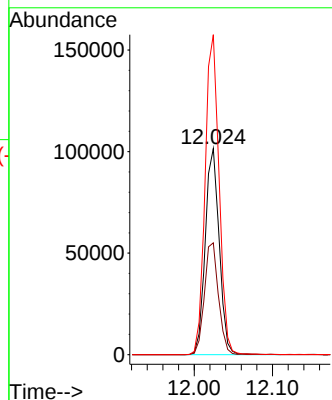
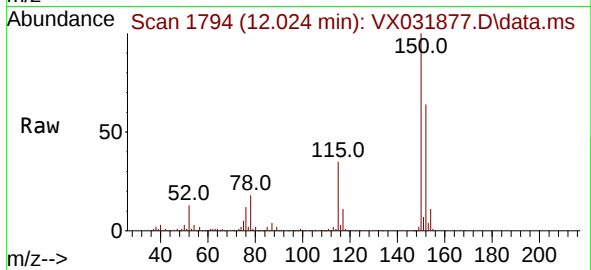
Tgt Ion:152 Resp: 125364

Ion Ratio Lower Upper

152 100

115 54.8 43.4 130.1

150 155.2 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 23.020 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031877.D

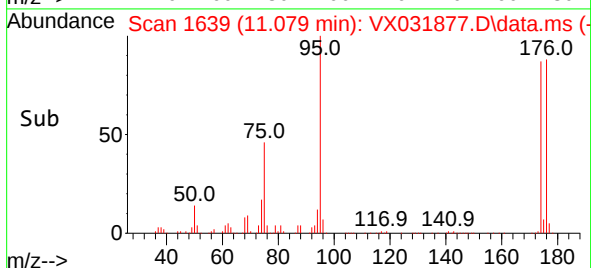
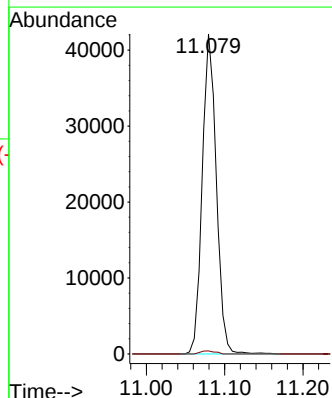
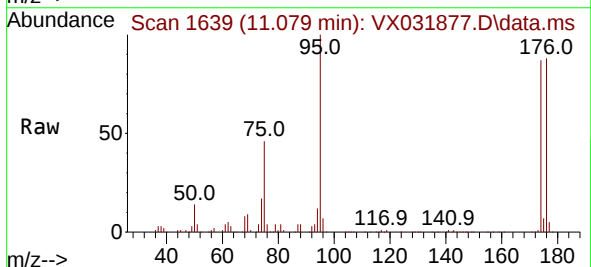
Acq: 04 Oct 2022 18:16

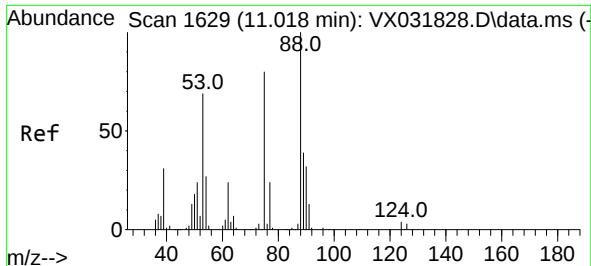
Tgt Ion: 75 Resp: 52505

Ion Ratio Lower Upper

75 100

77 1.0 20.3 60.9#

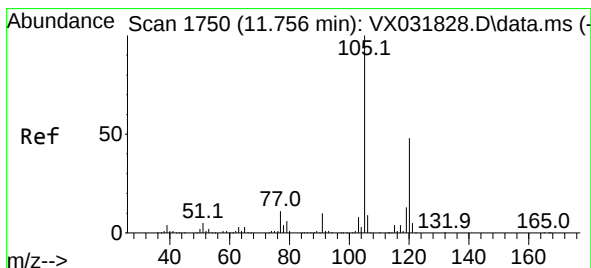
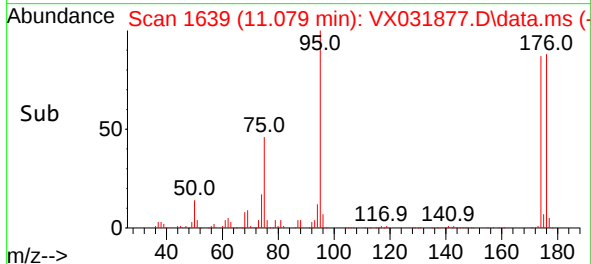
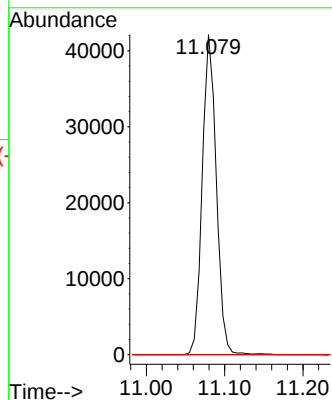
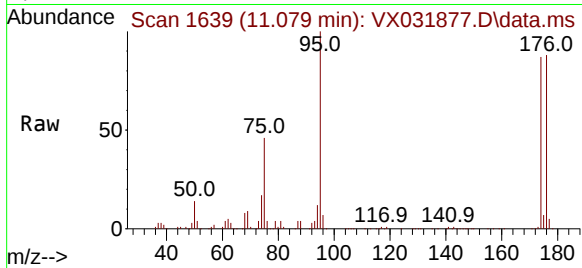




#81
trans-1,4-Dichloro-2-butene
Concen: 79.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

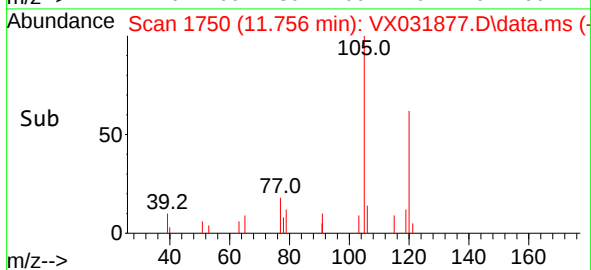
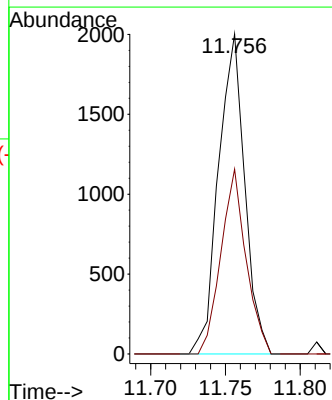
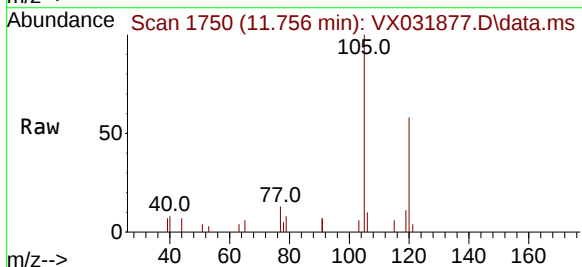
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-02-231-251-100322

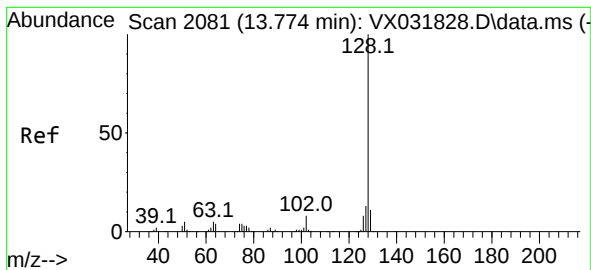
Tgt Ion: 75 Resp: 52505
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.331 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX031877.D
Acq: 04 Oct 2022 18:16

Tgt Ion: 105 Resp: 2439
Ion Ratio Lower Upper
105 100
120 55.6 22.6 67.8





#95

Naphthalene

Concen: 0.403 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX031877.D

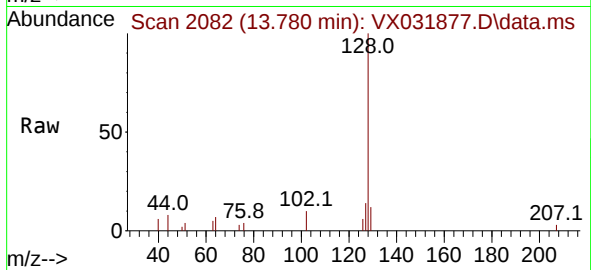
Acq: 04 Oct 2022 18:16

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-02-231-251-100322



Tgt Ion:128 Resp: 3391

Ion Ratio Lower Upper

128 100

127 10.6 10.4 15.6

129 10.1 8.8 13.2

