

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030323.D
 Acq On : 01 Aug 2022 15:31
 Operator : JC/MD
 Sample : N3964-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-2

Quant Time: Aug 02 01:53:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

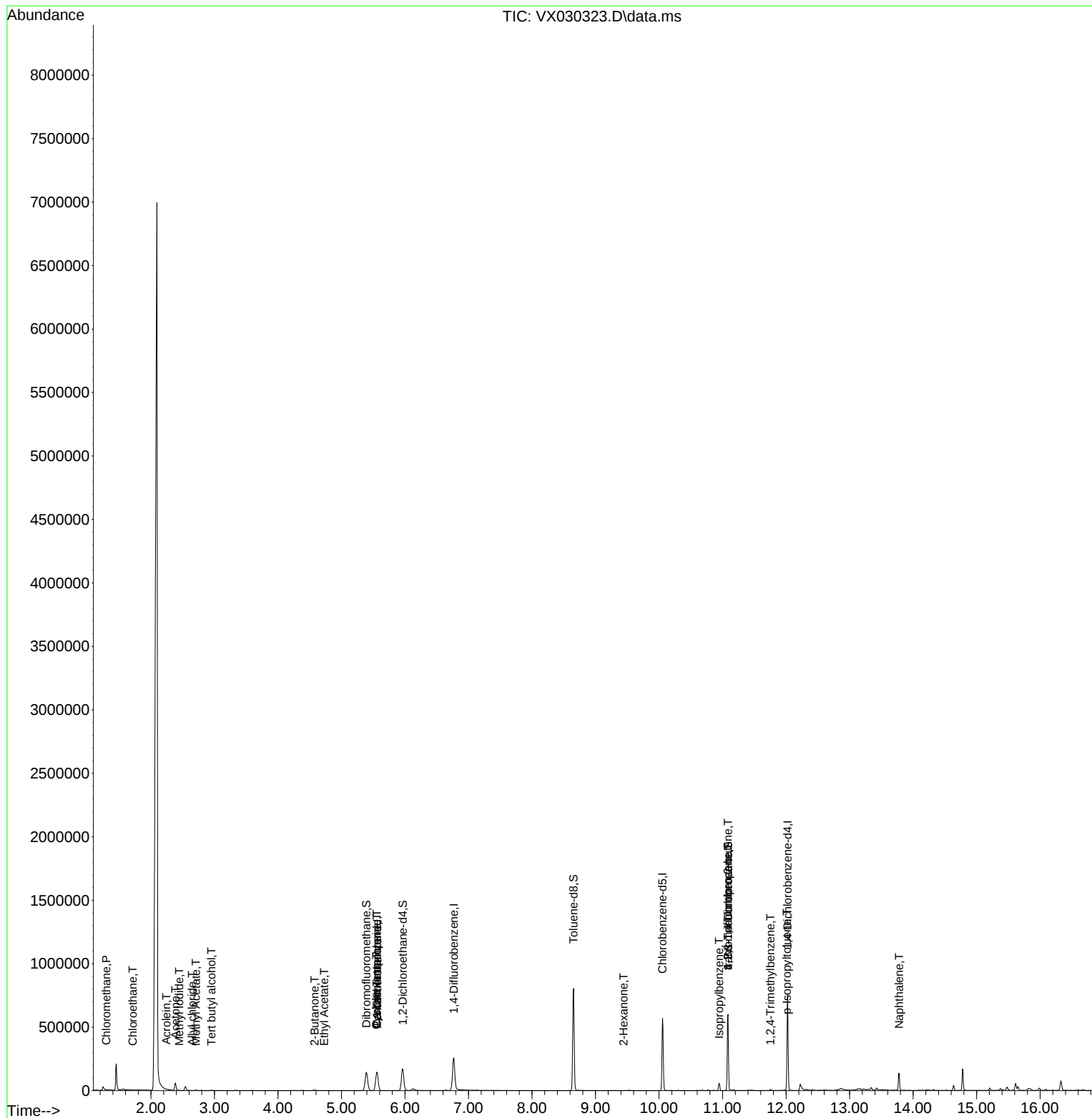
Internal Standards						
1) Pentafluorobenzene	5.562	168	136427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	256076	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161652	58.952	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.900%
35) Dibromofluoromethane	5.391	113	128959	52.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.360%
50) Toluene-d8	8.653	98	479878	50.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.240%
62) 4-Bromofluorobenzene	11.085	95	166180	47.233	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.460%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	514	0.232	ug/l	100
5) Bromomethane	1.611	94	253	Below Cal	#	80
6) Chloroethane	1.715	64	301	0.235	ug/l #	41
10) Methyl Iodide	2.447	142	257	1.642	ug/l #	68
11) Tert butyl alcohol	2.953	59	2089	3.123	ug/l #	82
13) Acrolein	2.239	56	726	4.416	ug/l	84
14) Allyl chloride	2.648	41	1067	0.243	ug/l #	41
16) Acetone	2.386	43	59060	42.069	ug/l	95
18) Methyl Acetate	2.709	43	4491	1.082	ug/l	96
20) Methylene Chloride	2.788	84	1132	Below Cal		95
25) 2-Butanone	4.574	43	7530	3.192	ug/l	91
31) Cyclohexane	5.550	56	3095	0.777	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11163	3.169	ug/l #	45
37) Ethyl Acetate	4.727	43	1075	0.215	ug/l #	93
38) Carbon Tetrachloride	5.556	117	13840	4.208	ug/l #	17
59) 2-Hexanone	9.439	43	809	0.207	ug/l	98
67) Ethyl Benzene	10.195	91	1141	Below Cal	#	77
73) Isopropylbenzene	10.945	105	2557	0.231	ug/l #	51
76) 1,2,3-Trichloropropane	11.085	75	82268	21.984	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	82268	65.951	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	3224	0.348	ug/l	83
86) p-Isopropyltoluene	12.012	119	5637	0.598	ug/l	89
95) Naphthalene	13.780	128	85295	7.583	ug/l	99

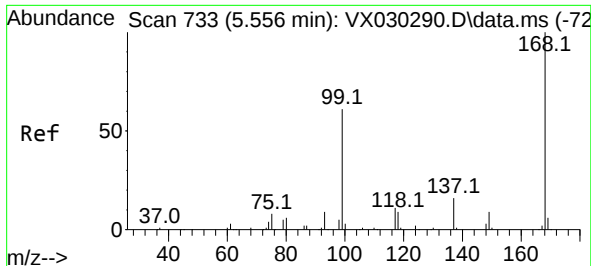
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration

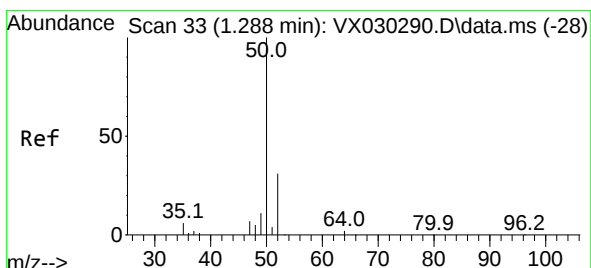
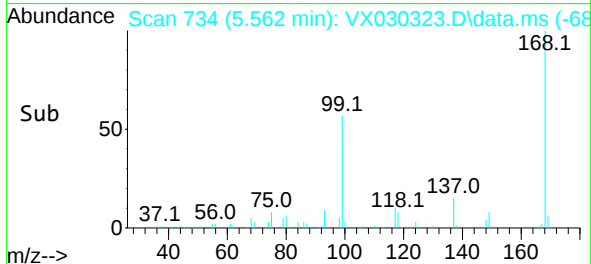
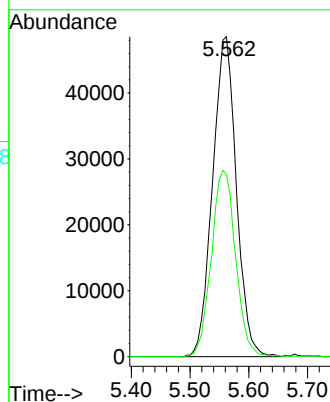
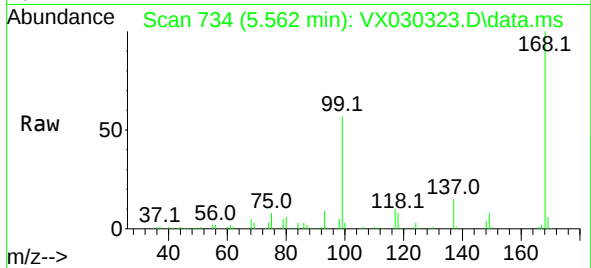




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

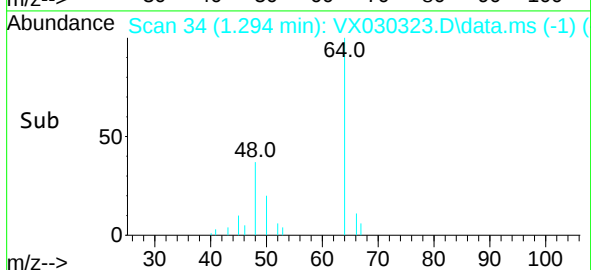
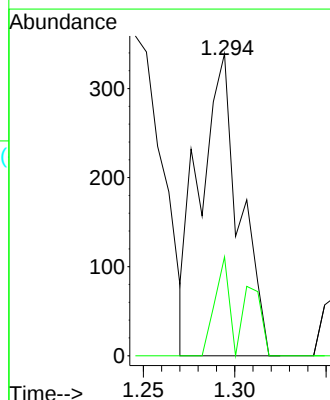
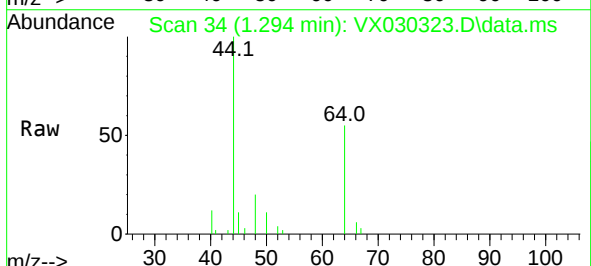
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

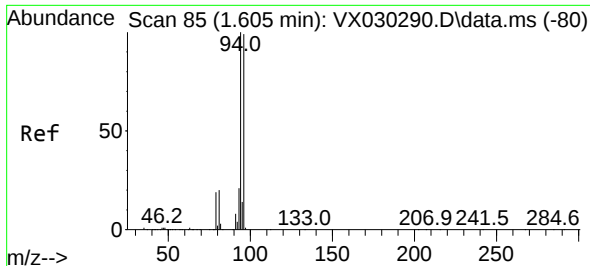
Tgt Ion:168 Resp: 136427
Ion Ratio Lower Upper
168 100
99 57.0 44.0 66.0



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5

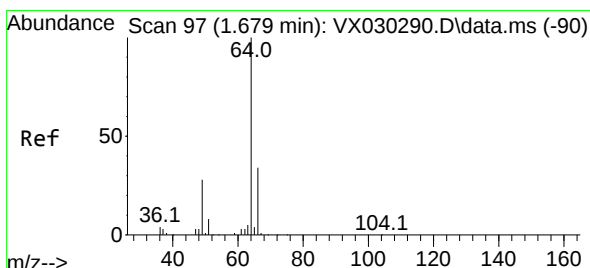
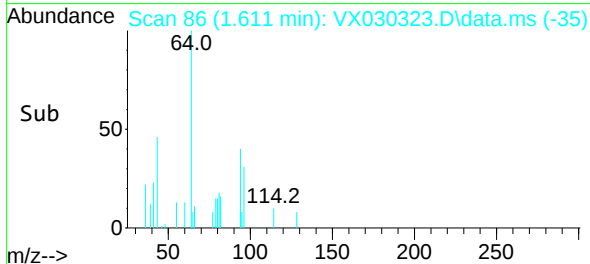
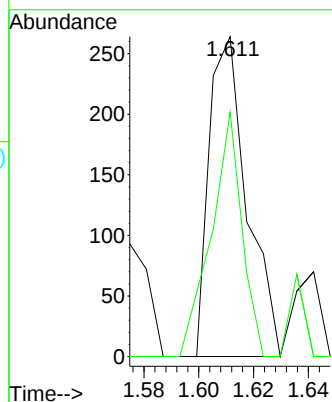
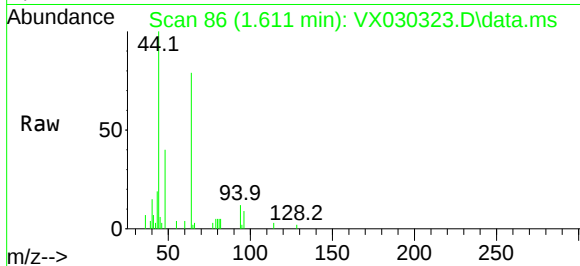




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

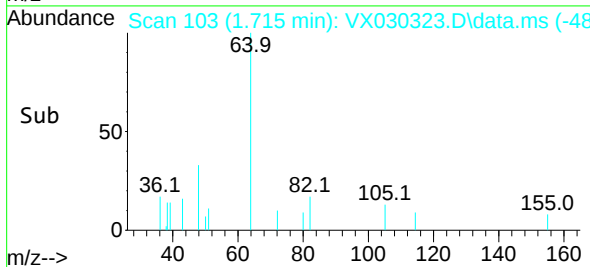
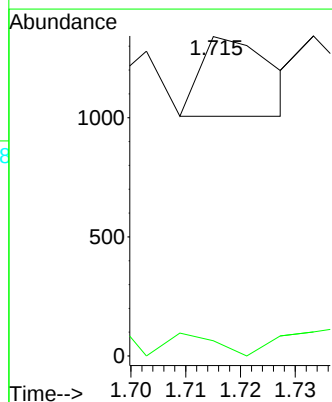
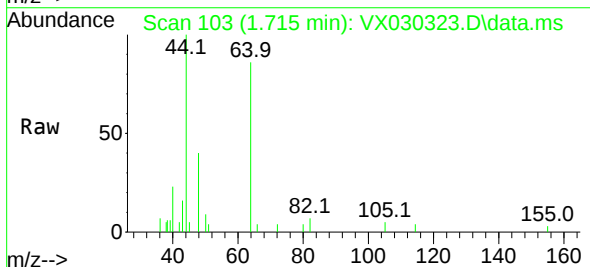
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

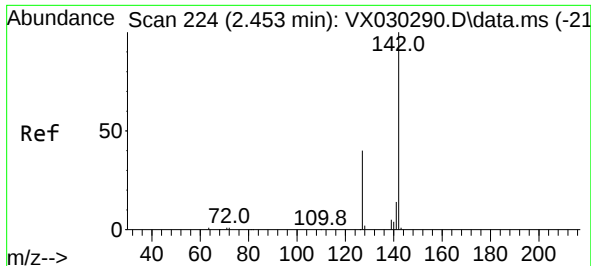
Tgt Ion: 94 Resp: 253
Ion Ratio Lower Upper
94 100
96 76.5 76.9 115.3#



#6
Chloroethane
Concen: 0.235 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.037 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 64 Resp: 301
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

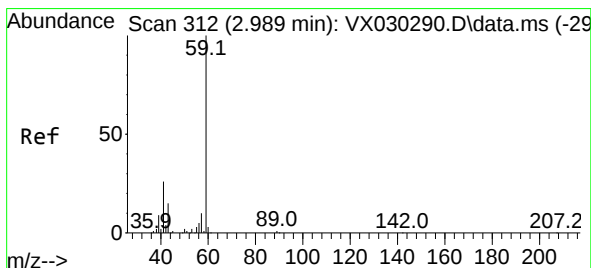
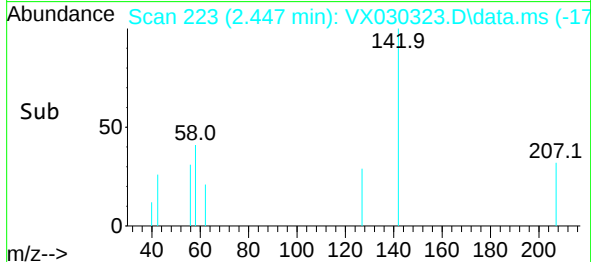
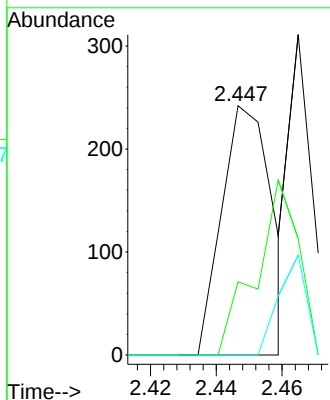
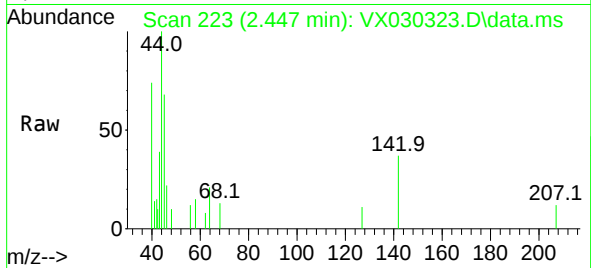




#10
Methyl Iodide
Concen: 1.642 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

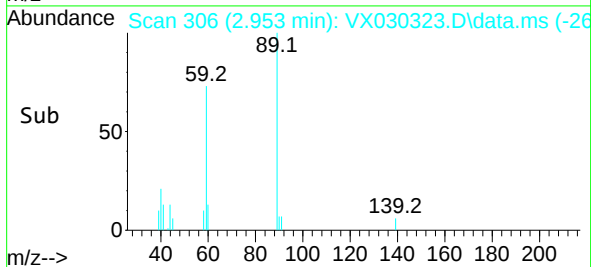
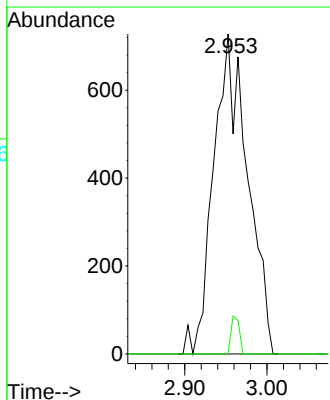
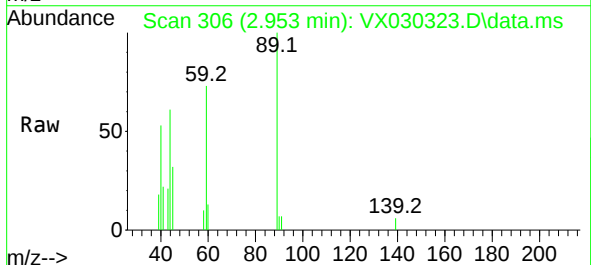
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

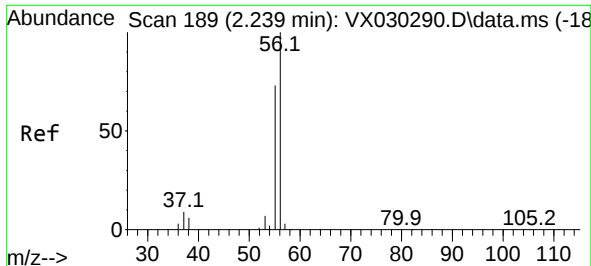
Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
127 59.5 30.2 45.2#
141 21.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.123 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 59 Resp: 2089
Ion Ratio Lower Upper
59 100
57 2.8 7.4 11.2#





#13

Acrolein

Concen: 4.416 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030323.D

Acq: 01 Aug 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

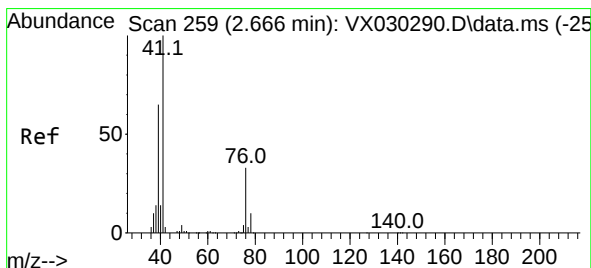
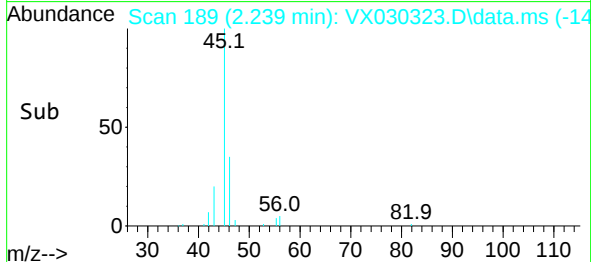
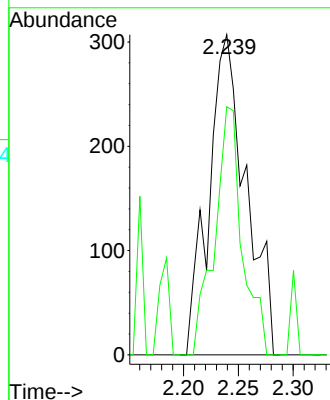
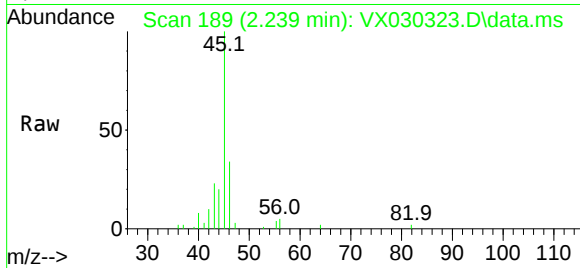
HMGP-WATER-2

Tgt Ion: 56 Resp: 726

Ion Ratio Lower Upper

56 100

55 57.4 56.6 84.8



#14

Allyl chloride

Concen: 0.243 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX030323.D

Acq: 01 Aug 2022 15:31

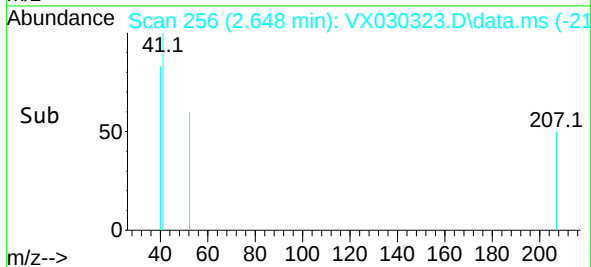
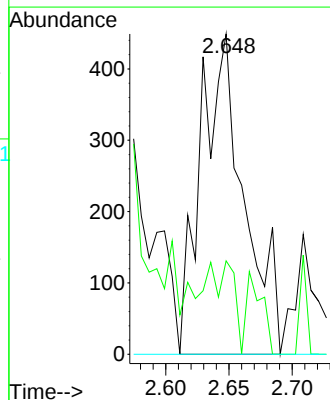
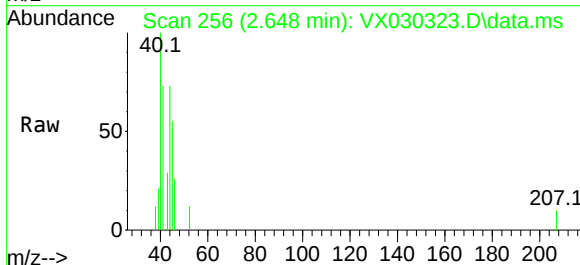
Tgt Ion: 41 Resp: 1067

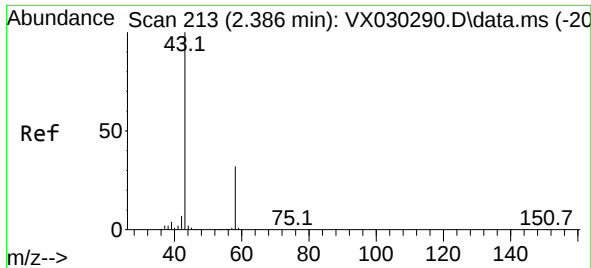
Ion Ratio Lower Upper

41 100

39 15.6 48.9 73.3#

76 0.0 26.9 40.3#

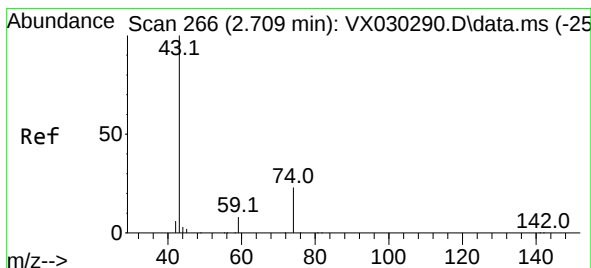
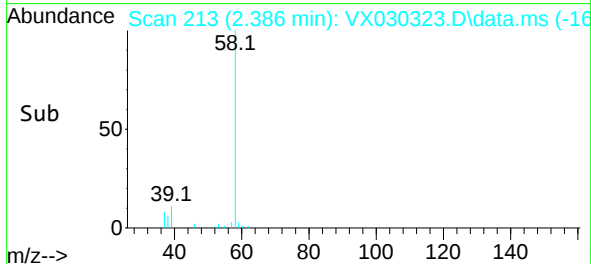
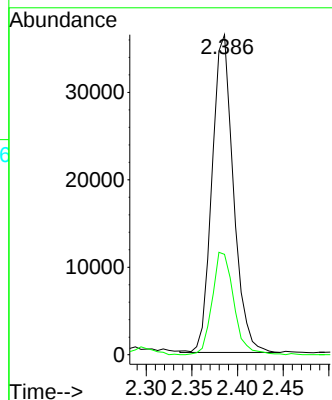
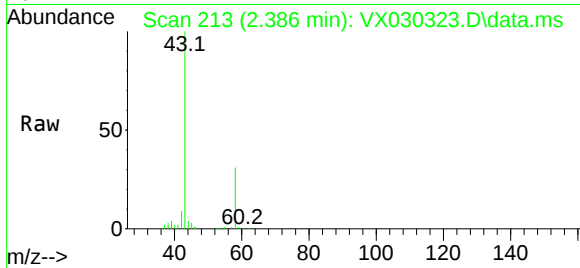




#16
Acetone
Concen: 42.069 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

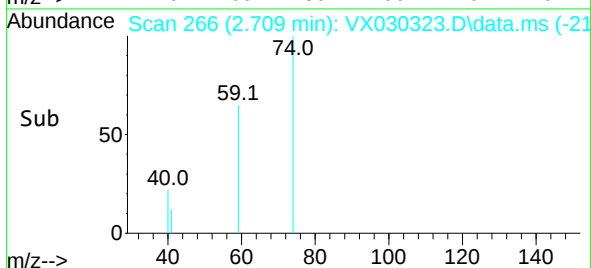
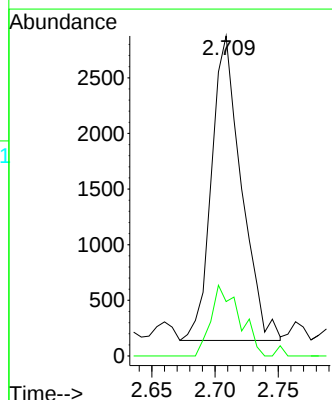
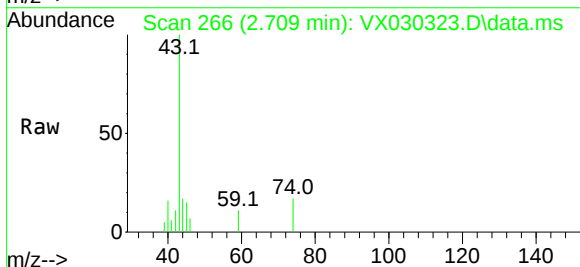
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HMGP-WATER-2

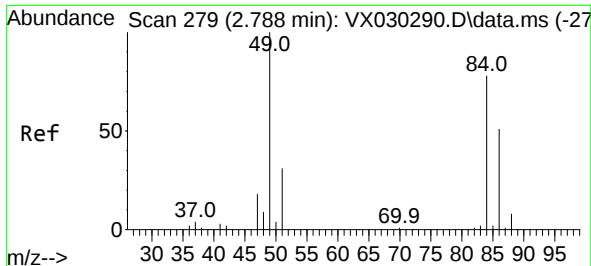
Tgt Ion: 43 Resp: 59060
Ion Ratio Lower Upper
43 100
58 31.6 27.7 41.5



#18
Methyl Acetate
Concen: 1.082 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2

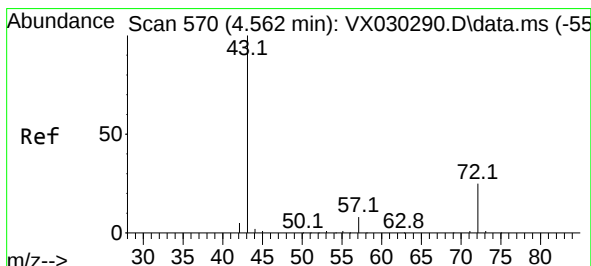
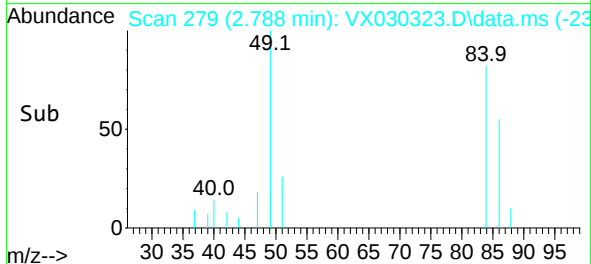
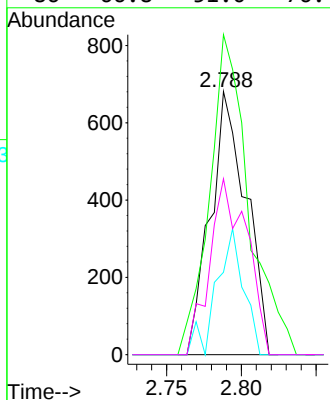
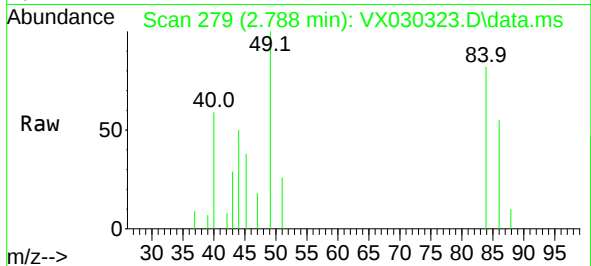




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

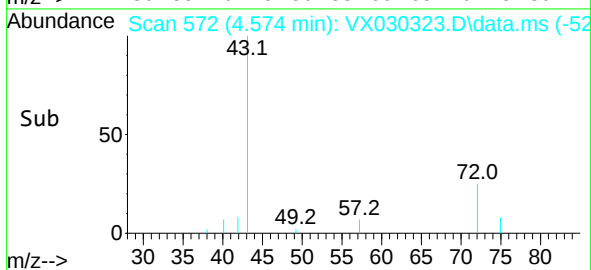
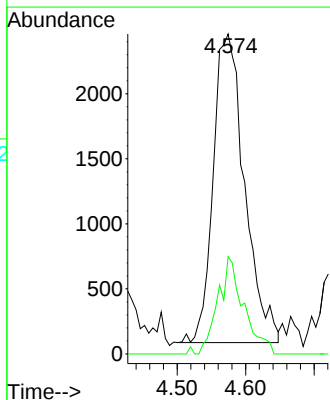
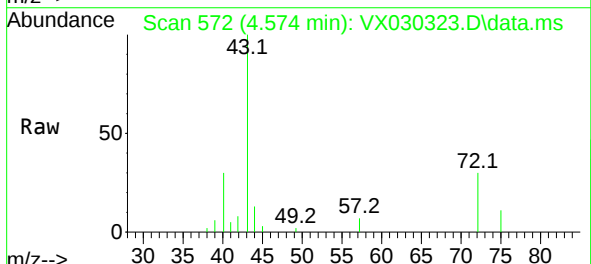
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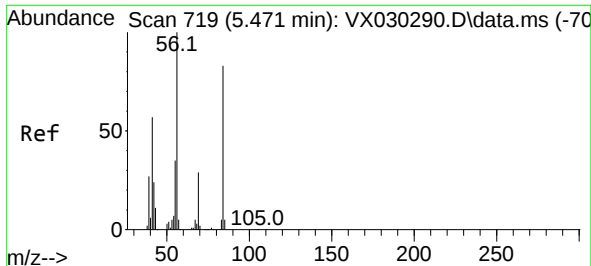
Tgt Ion:	84	Resp:	1132
Ion	Ratio	Lower	Upper
84	100		
49	121.6	93.8	140.6
51	31.3	29.4	44.0
86	66.8	51.0	76.4



#25
2-Butanone
Concen: 3.192 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion:	43	Resp:	7530
Ion	Ratio	Lower	Upper
43	100		
72	31.5	21.7	32.5

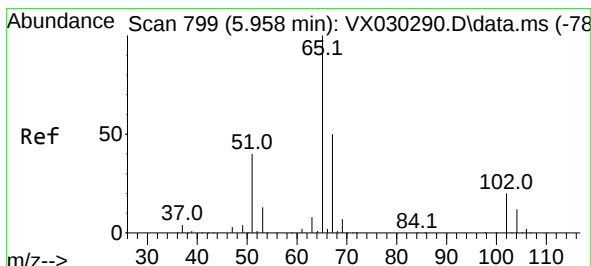
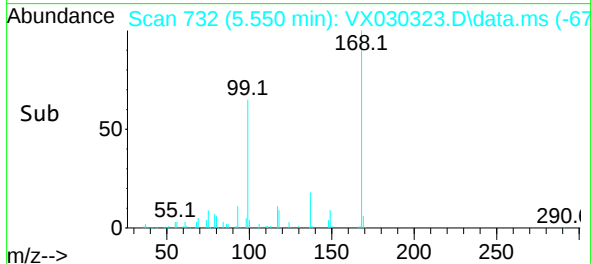
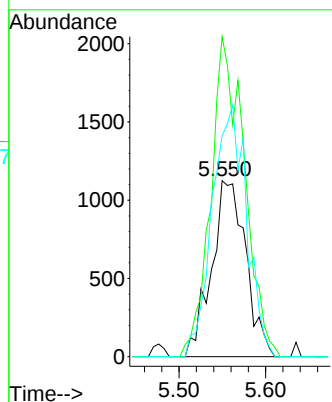
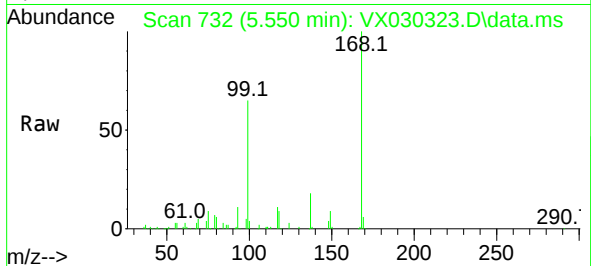




#31
Cyclohexane
Concen: 0.777 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

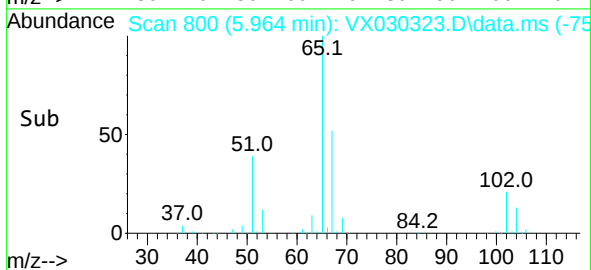
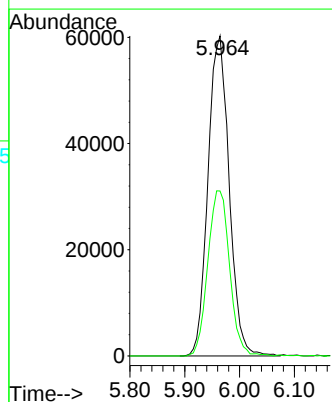
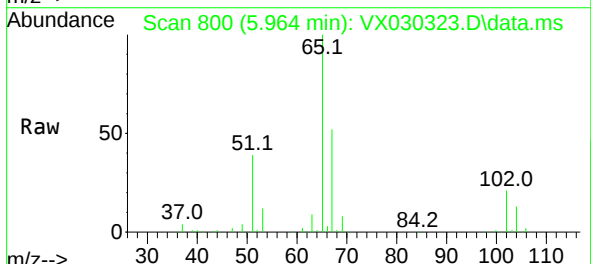
Instrument :
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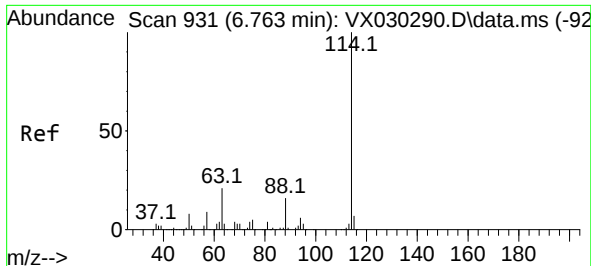
Tgt Ion: 56 Resp: 3095
Ion Ratio Lower Upper
56 100
69 181.8 25.4 38.0#
84 125.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 58.952 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 65 Resp: 161652
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

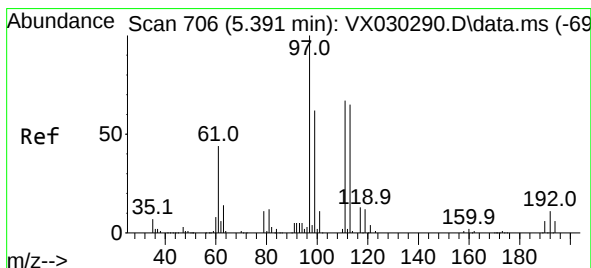
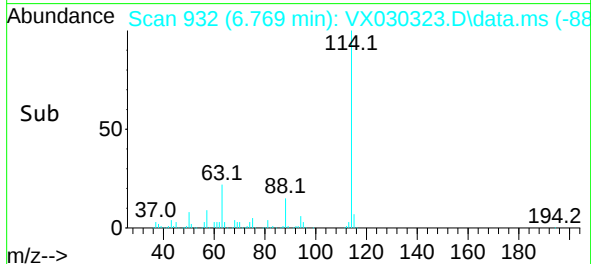
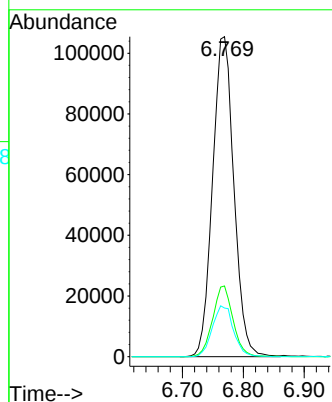
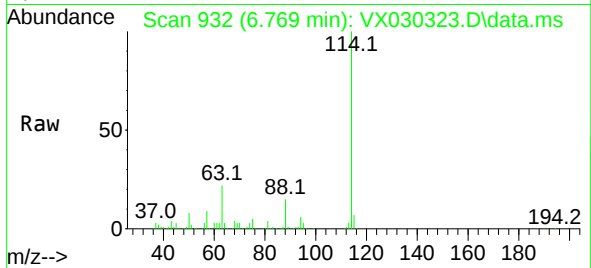




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

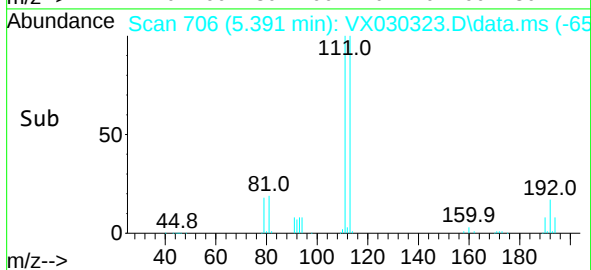
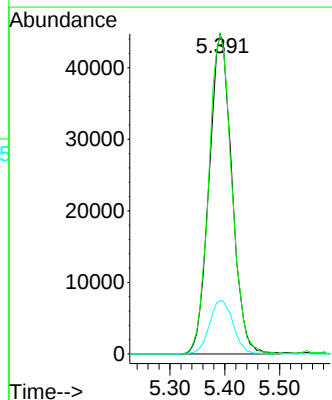
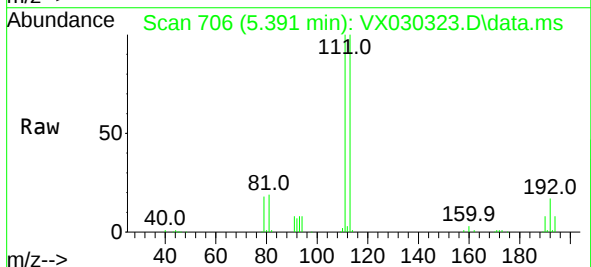
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

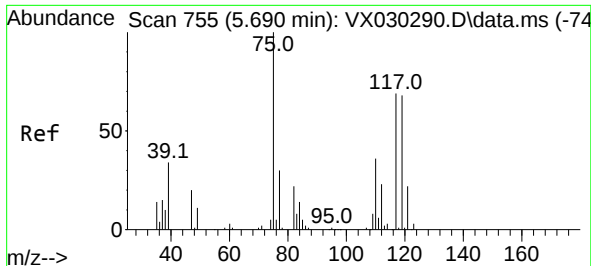
Tgt Ion:114 Resp: 256076
Ion Ratio Lower Upper
114 100
63 22.1 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.680 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion:113 Resp: 128959
Ion Ratio Lower Upper
113 100
111 101.3 83.2 124.8
192 17.3 14.8 22.2

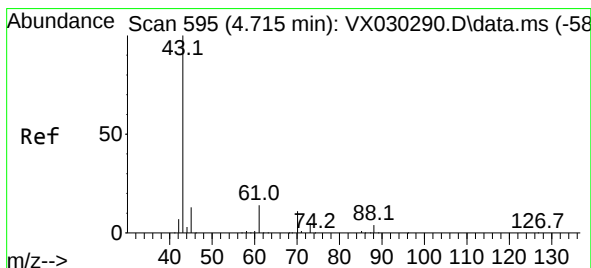
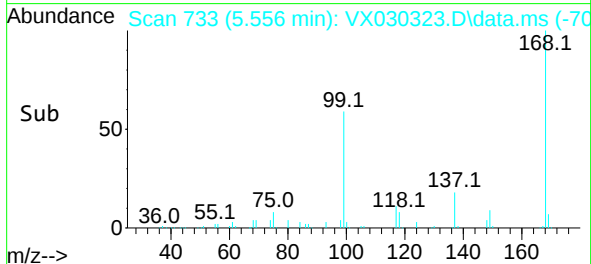
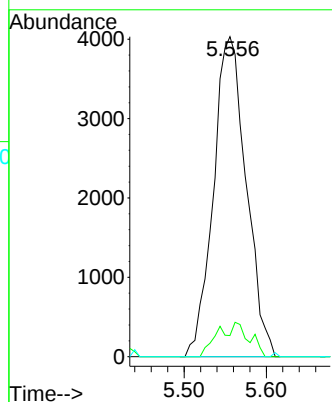
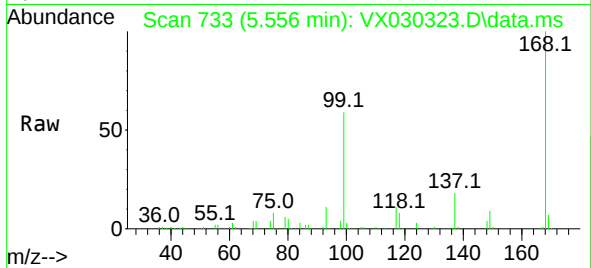




#36
1,1-Dichloropropene
Concen: 3.169 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

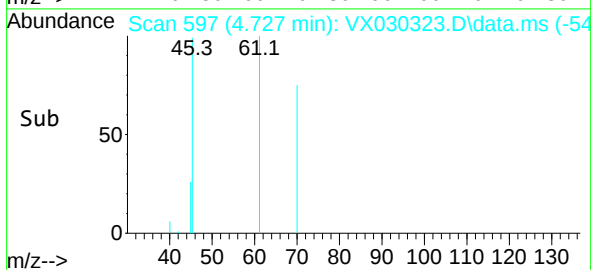
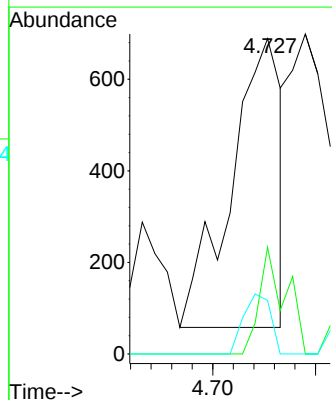
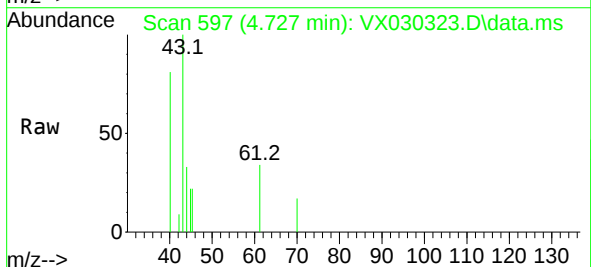
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

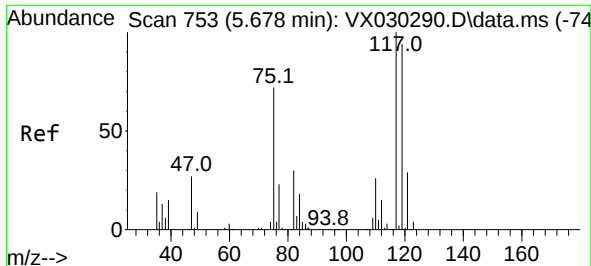
Tgt Ion: 75 Resp: 11163
Ion Ratio Lower Upper
75 100
110 5.4 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.215 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.007 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
61 19.2 11.7 17.5#
70 11.2 9.3 13.9

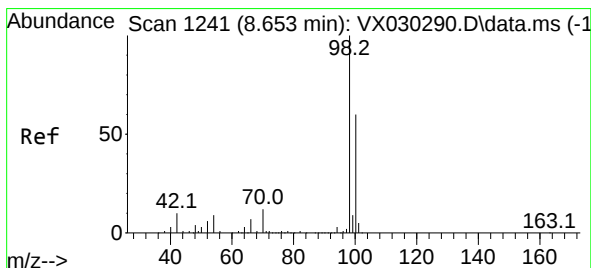
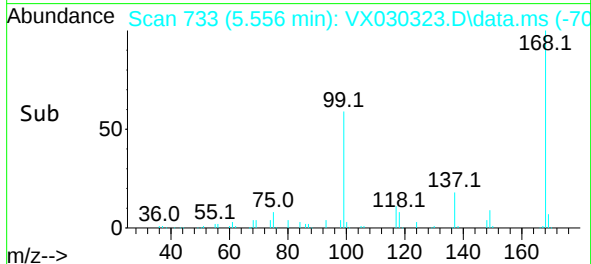
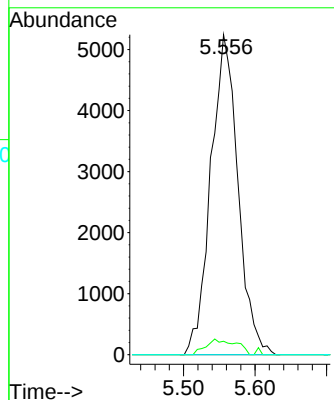
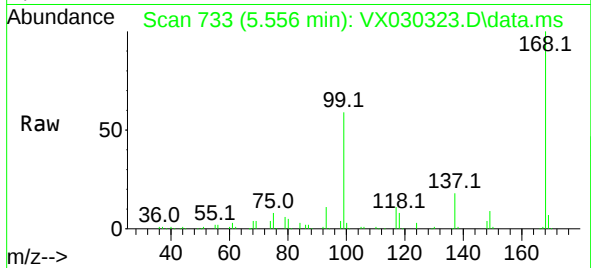




#38
Carbon Tetrachloride
Concen: 4.208 ug/l
RT: 5.556 min Scan# 753
Delta R.T. -0.127 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

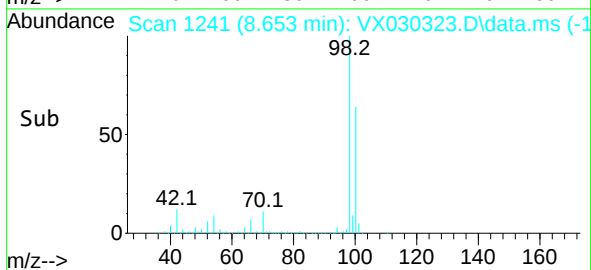
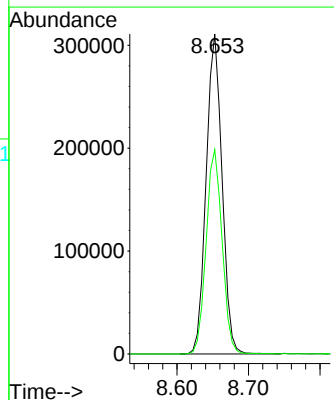
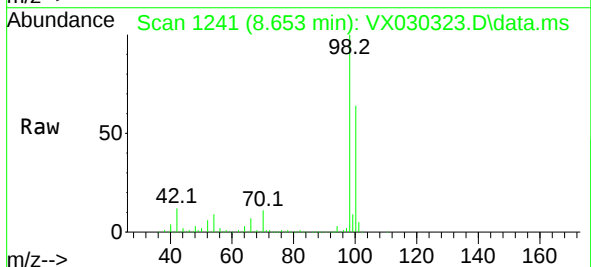
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

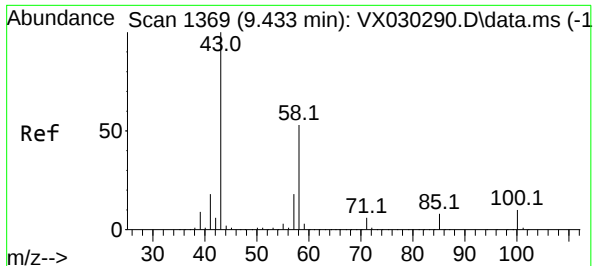
Tgt Ion:117 Resp: 13840
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.620 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 98 Resp: 479878
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5





#59

2-Hexanone

Concen: 0.207 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030323.D

Acq: 01 Aug 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

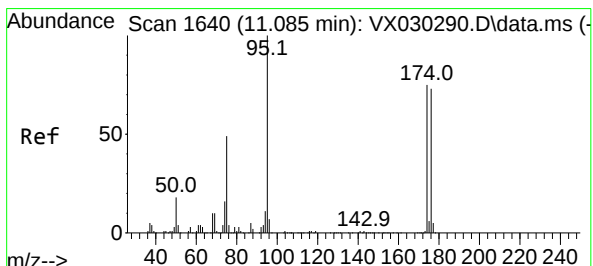
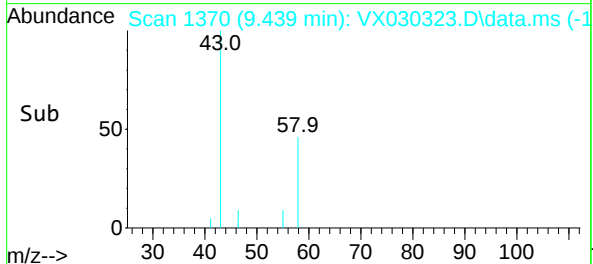
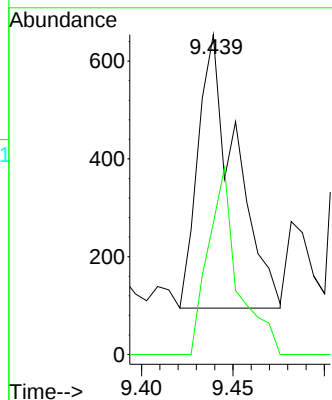
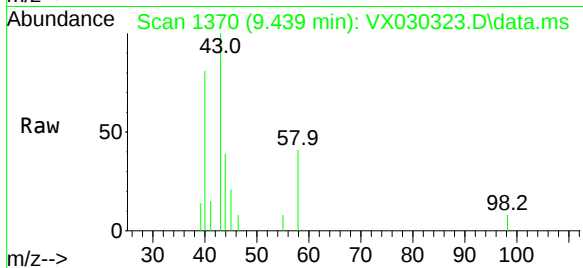
HMGP-WATER-2

Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

58 53.5 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 47.233 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030323.D

Acq: 01 Aug 2022 15:31

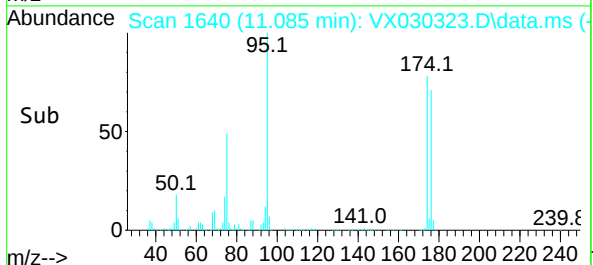
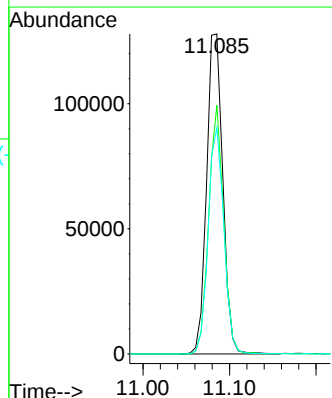
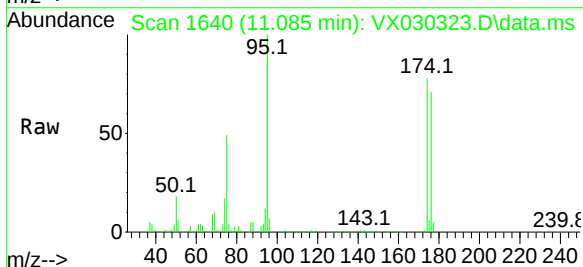
Tgt Ion: 95 Resp: 166180

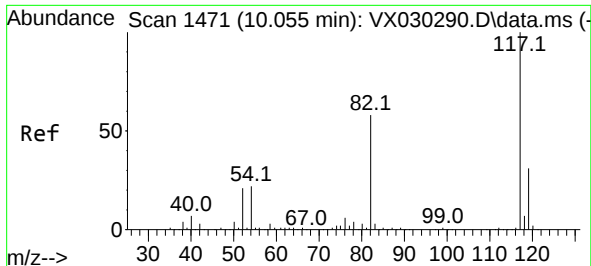
Ion Ratio Lower Upper

95 100

174 71.9 0.0 149.0

176 68.5 0.0 146.0

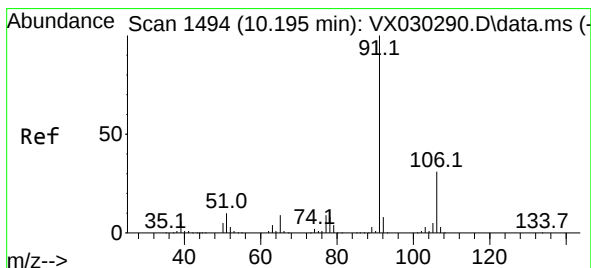
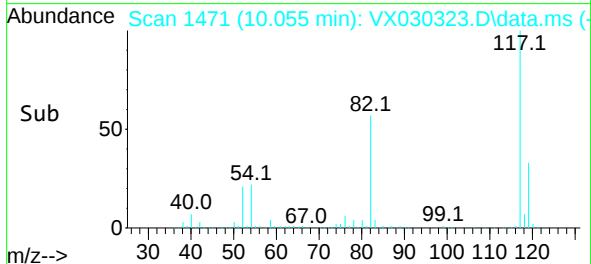
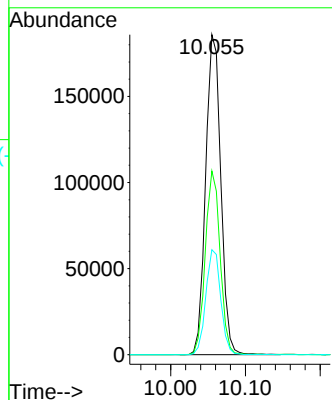
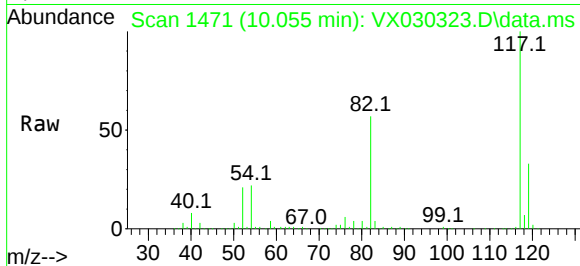




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

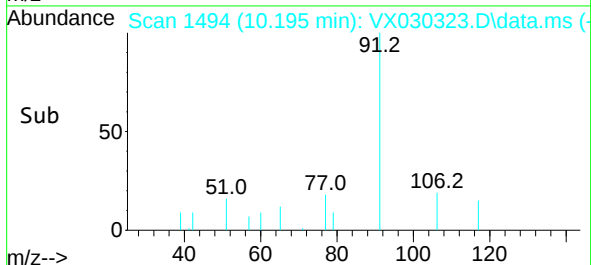
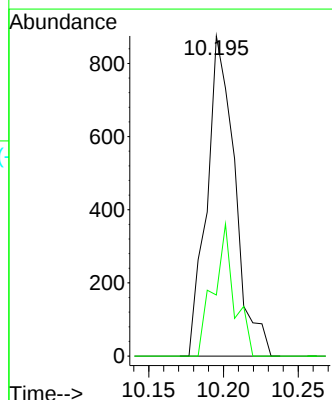
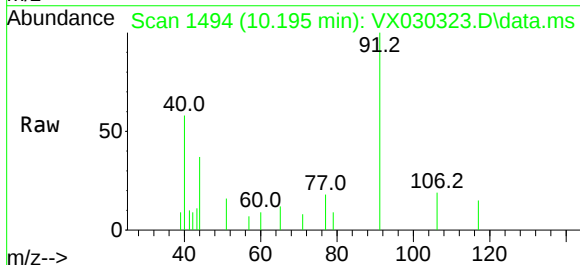
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

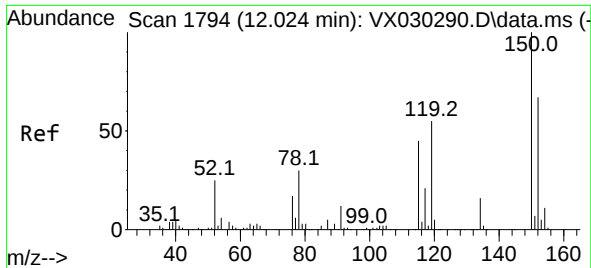
Tgt Ion:117 Resp: 261519
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 32.8 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 91 Resp: 1141
Ion Ratio Lower Upper
91 100
106 19.1 25.5 38.3#

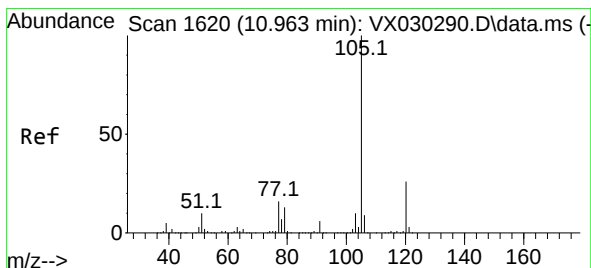
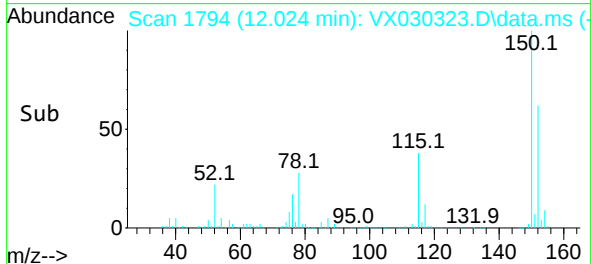
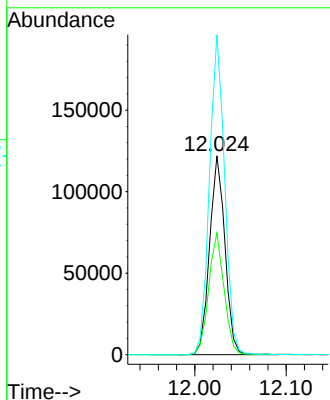
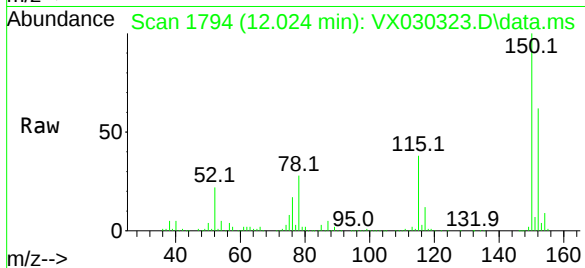




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

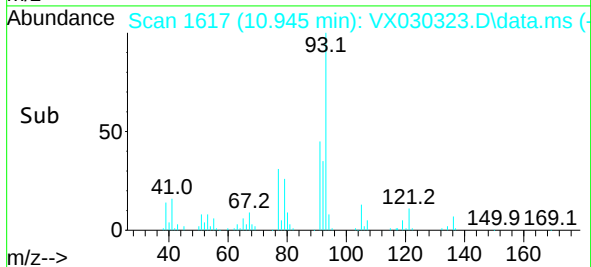
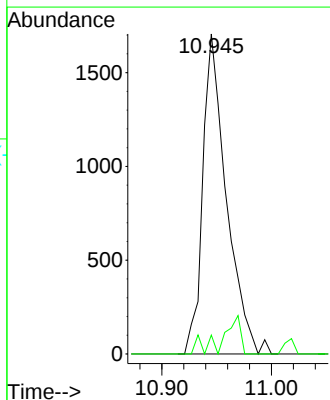
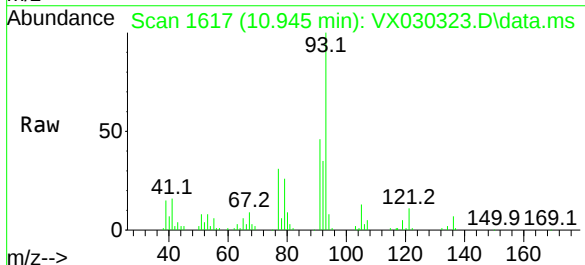
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

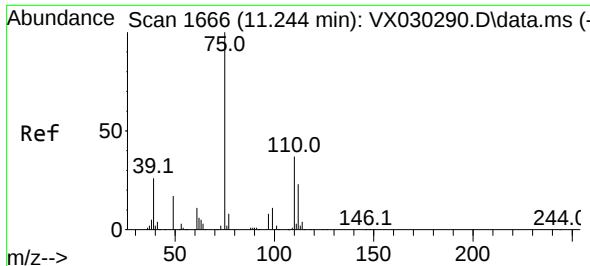
Tgt Ion:152 Resp: 141965
Ion Ratio Lower Upper
152 100
115 61.5 40.5 121.5
150 159.0 0.0 347.0



#73
Isopropylbenzene
Concen: 0.231 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.018 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion:105 Resp: 2557
Ion Ratio Lower Upper
105 100
120 1.4 13.5 40.4#

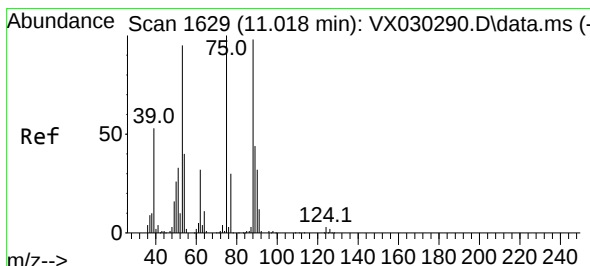
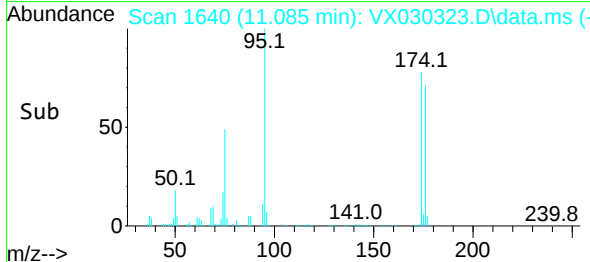
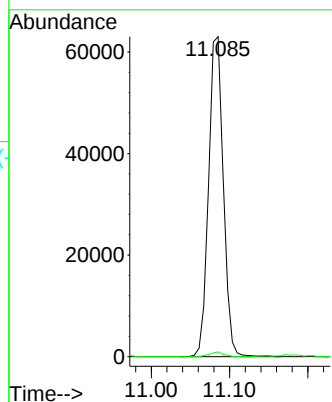
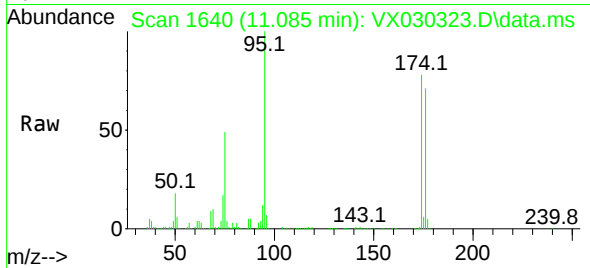




#76
1,2,3-Trichloropropane
Concen: 21.984 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

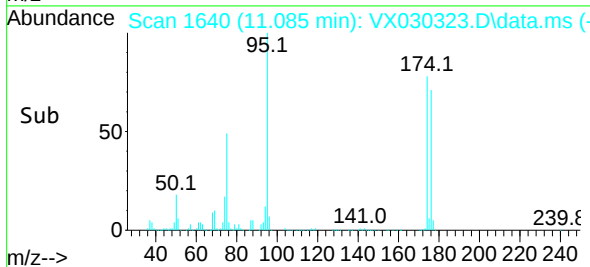
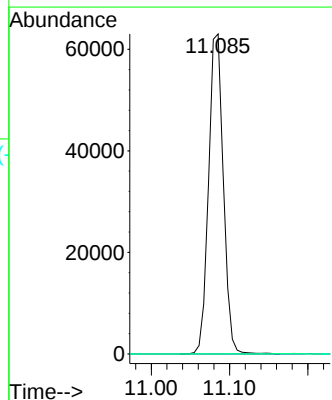
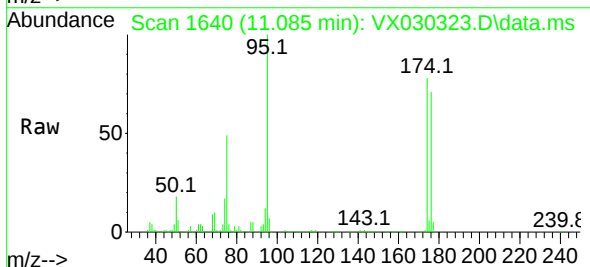
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

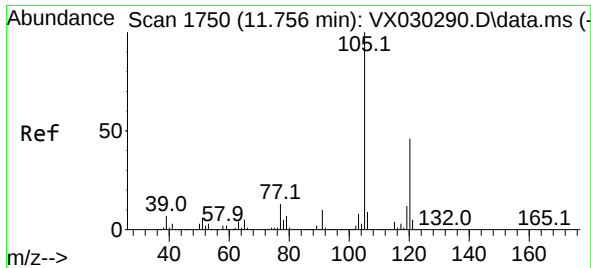
Tgt Ion: 75 Resp: 82268
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.951 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion: 75 Resp: 82268
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

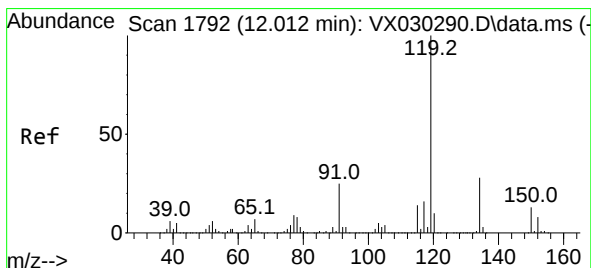
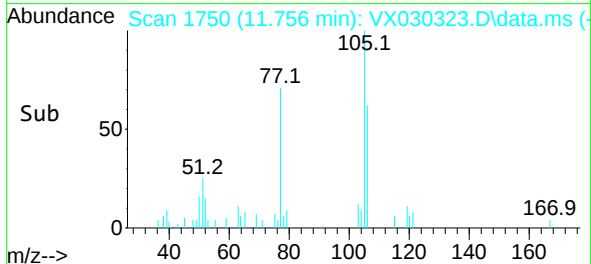
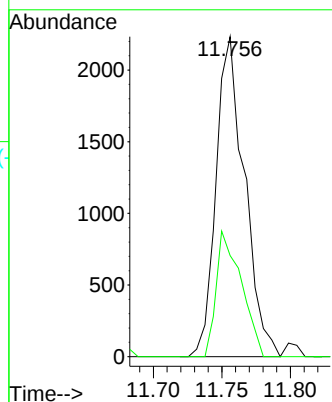
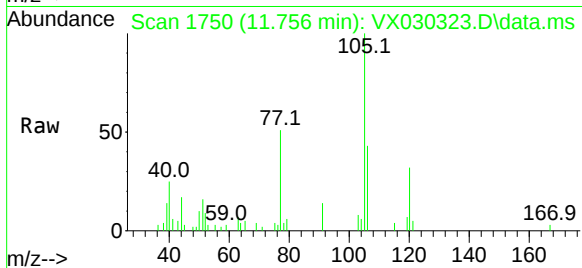




#84
1,2,4-Trimethylbenzene
Concen: 0.348 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

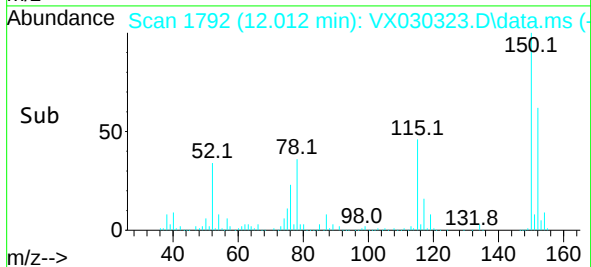
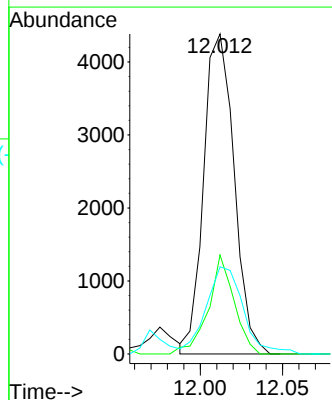
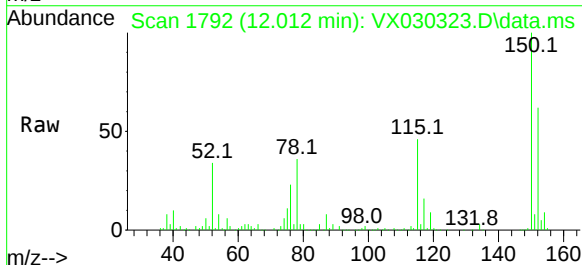
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

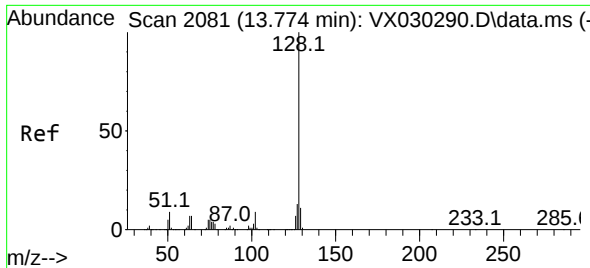
Tgt Ion:105 Resp: 3224
Ion Ratio Lower Upper
105 100
120 34.5 22.9 68.8



#86
p-Isopropyltoluene
Concen: 0.598 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX030323.D
Acq: 01 Aug 2022 15:31

Tgt Ion:119 Resp: 5637
Ion Ratio Lower Upper
119 100
134 26.1 13.9 41.6
91 33.1 11.8 35.3





#95

Naphthalene

Concen: 7.583 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX030323.D

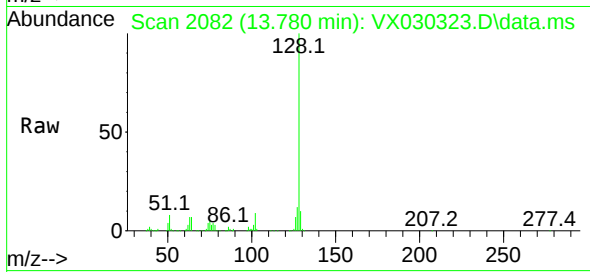
Acq: 01 Aug 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

HMGP-WATER-2



Tgt Ion:128 Resp: 85295

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.3 8.6 13.0

