

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030330.D
 Acq On : 01 Aug 2022 18:15
 Operator : JC/MD
 Sample : N3964-07DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-1DL

Quant Time: Aug 02 01:55:52 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)

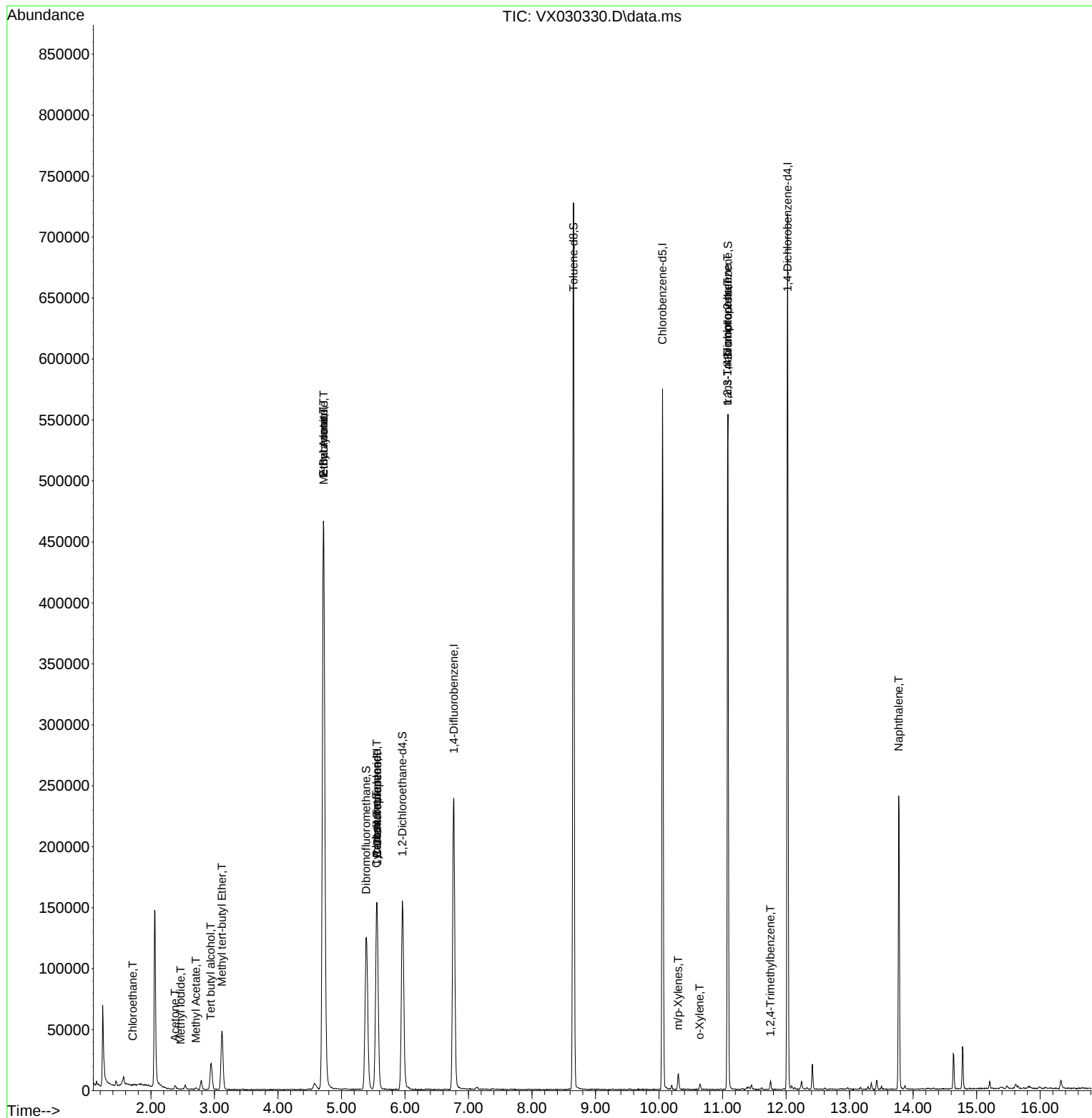
Internal Standards						
1) Pentafluorobenzene	5.556	168	144659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143787	49.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.900%		
35) Dibromofluoromethane	5.385	113	115237	48.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	8.653	98	434063	47.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.800%		
62) 4-Bromofluorobenzene	11.085	95	150469	44.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.540%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	286	Below Cal	#	73
6) Chloroethane	1.715	64	502	0.369	ug/l #	41
10) Methyl Iodide	2.465	142	144	1.587	ug/l #	78
11) Tert butyl alcohol	2.941	59	13717	19.341	ug/l #	74
16) Acetone	2.380	43	2999	2.015	ug/l #	78
18) Methyl Acetate	2.709	43	1665	0.378	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	50489	6.522	ug/l	100
20) Methylene Chloride	2.788	84	2904	Below Cal	#	81
25) 2-Butanone	4.715	43	815208	325.891	ug/l #	48
31) Cyclohexane	5.550	56	3559	0.843	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11787	3.464	ug/l #	49
37) Ethyl Acetate	4.715	43	815208	169.154	ug/l	98
38) Carbon Tetrachloride	5.556	117	14731	4.637	ug/l #	17
41) Methacrylonitrile	4.721	41	6592	2.552	ug/l #	27
67) Ethyl Benzene	10.195	91	1891	Below Cal		98
68) m/p-Xylenes	10.299	106	3082	0.662	ug/l	99
69) o-Xylene	10.640	106	940	0.205	ug/l	77
76) 1,2,3-Trichloropropane	11.079	75	76344	20.292	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	76344	60.876	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	2908	0.312	ug/l	95
95) Naphthalene	13.774	128	147041	13.003	ug/l	98

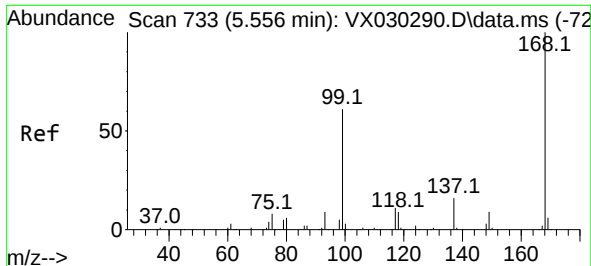
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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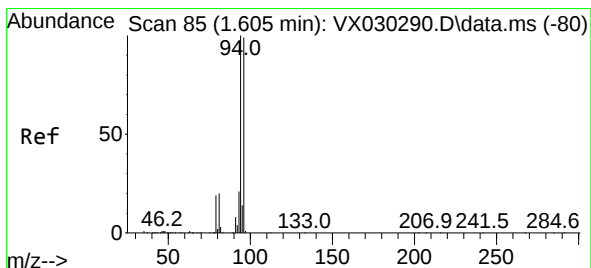
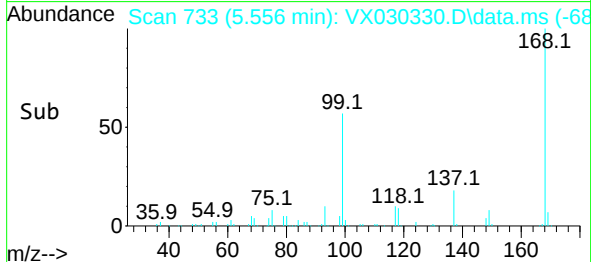
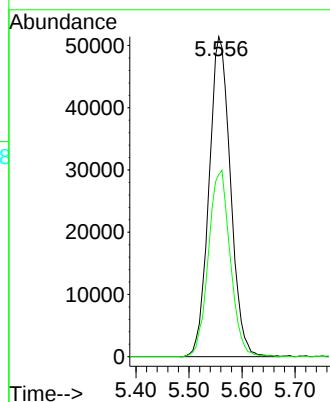
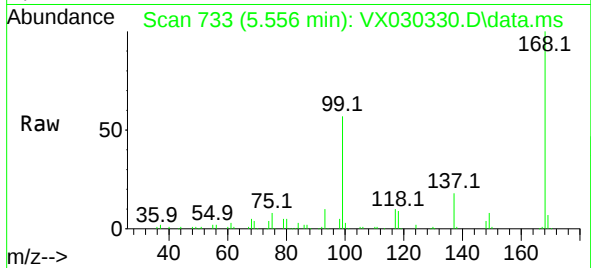




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

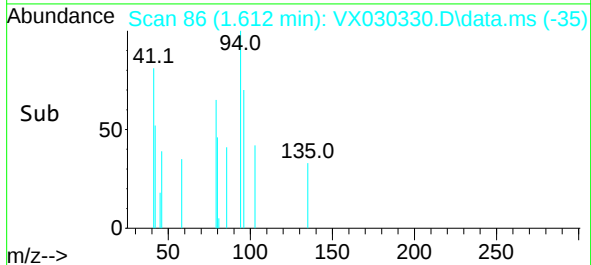
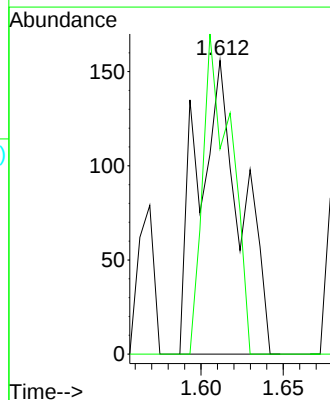
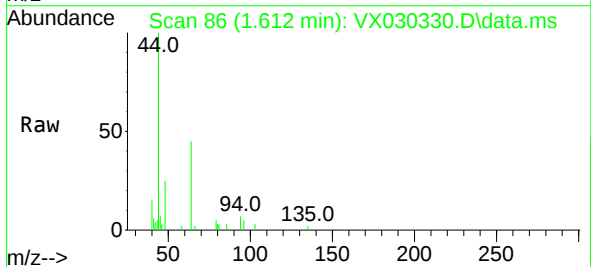
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

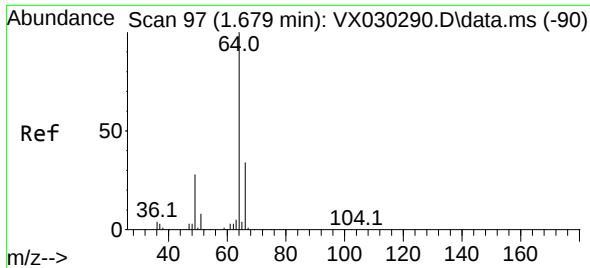
Tgt Ion:168 Resp: 144659
Ion Ratio Lower Upper
168 100
99 56.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 94 Resp: 286
Ion Ratio Lower Upper
94 100
96 69.9 76.9 115.3#

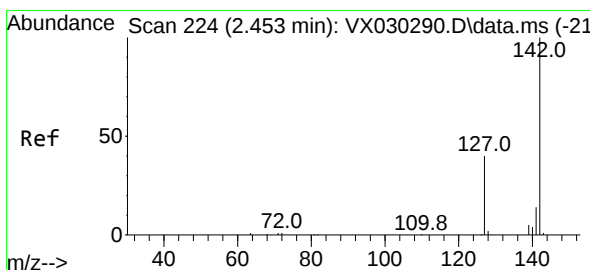
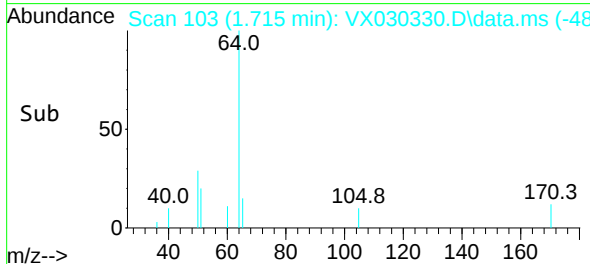
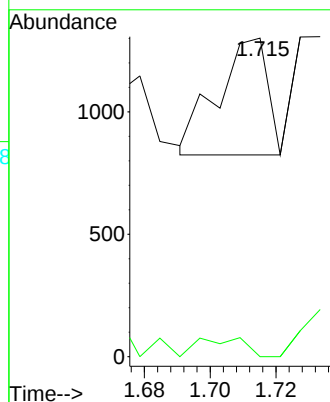
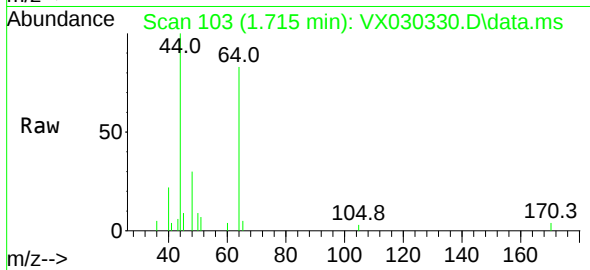




#6
Chloroethane
Concen: 0.369 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.037 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

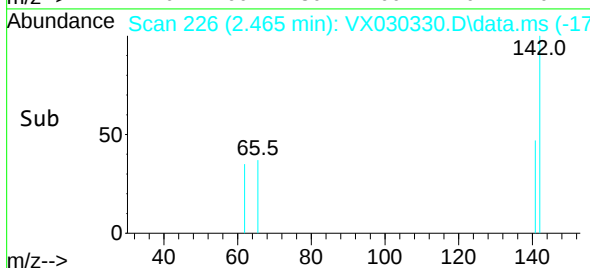
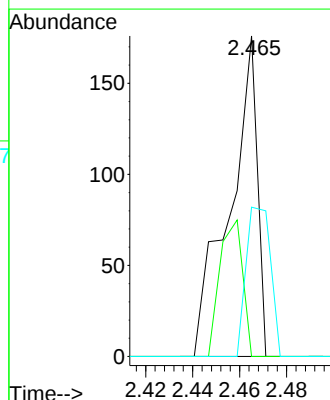
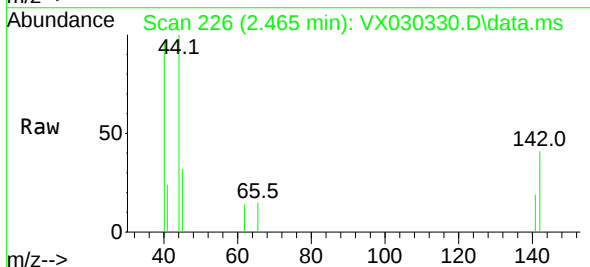
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

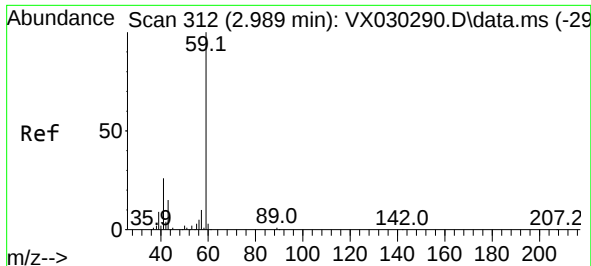
Tgt Ion: 64 Resp: 502
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.587 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.019 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 142 Resp: 144
Ion Ratio Lower Upper
142 100
127 34.7 30.2 45.2
141 41.0 11.3 16.9#

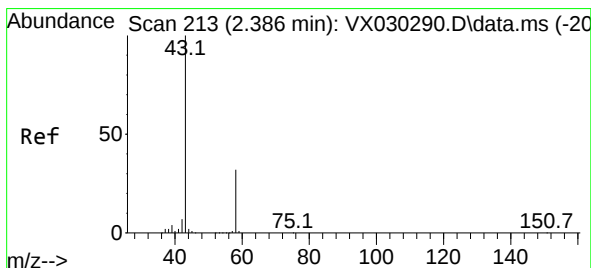
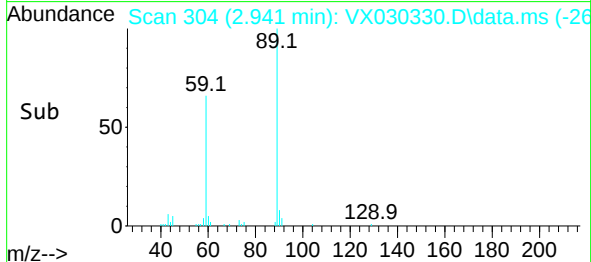
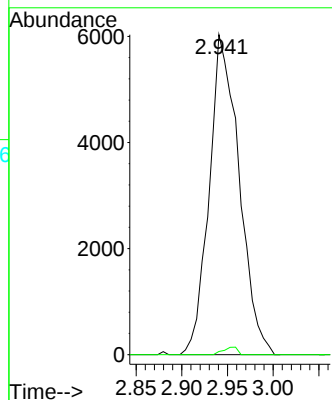
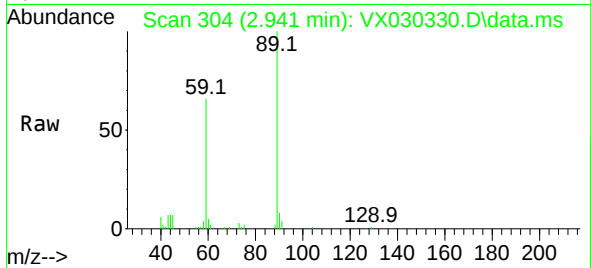




#11
Tert butyl alcohol
Concen: 19.341 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

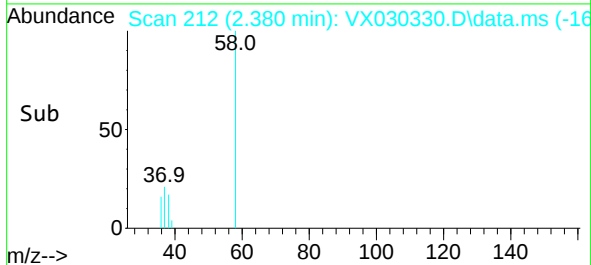
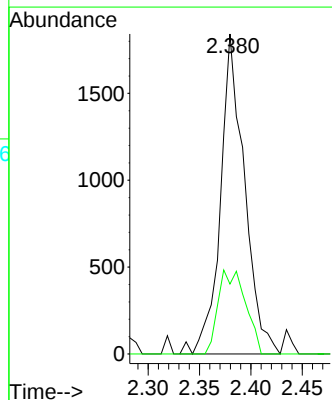
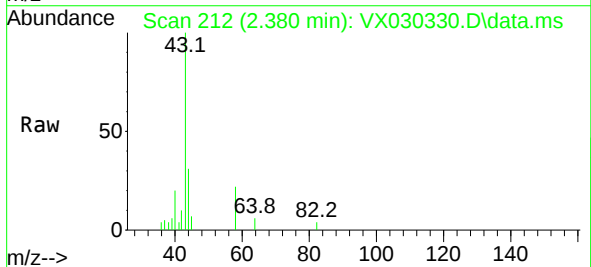
Instrument :
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ClientSampleId :
HMGP-WATER-1DL

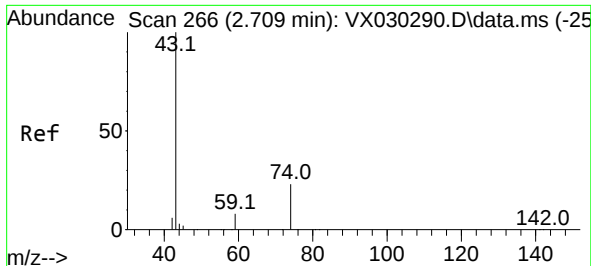
Tgt Ion: 59 Resp: 13717
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 2.015 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.005 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 43 Resp: 2999
Ion Ratio Lower Upper
43 100
58 21.9 27.7 41.5#

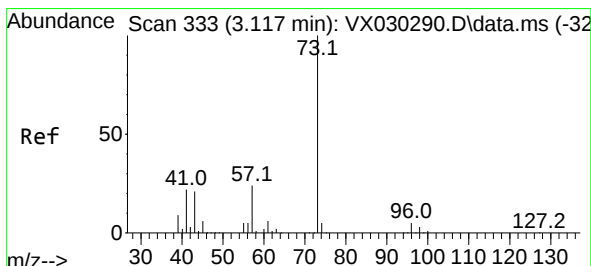
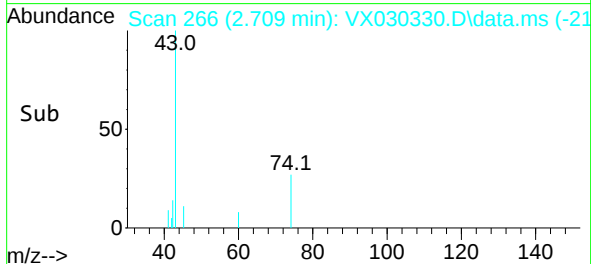
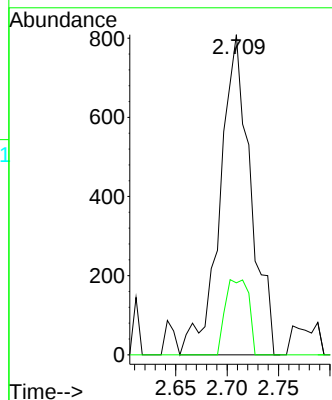
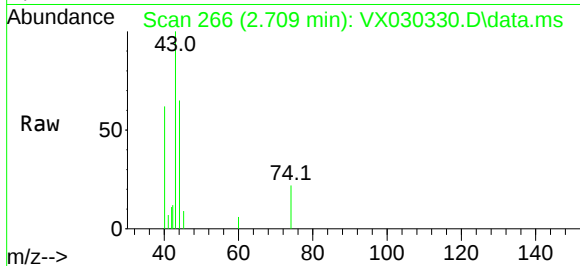




#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

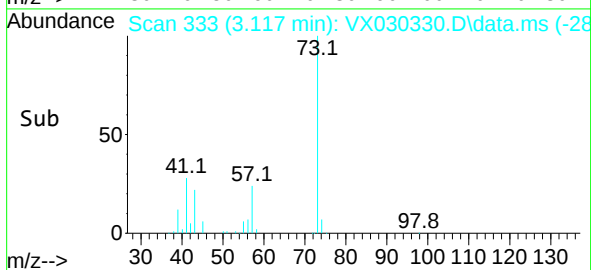
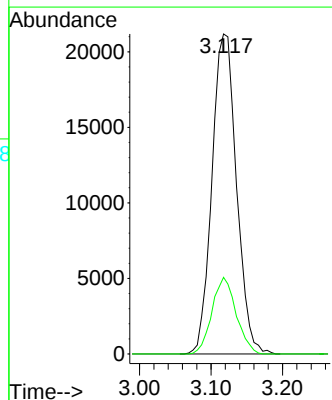
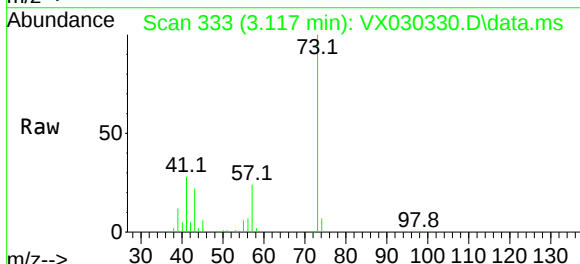
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

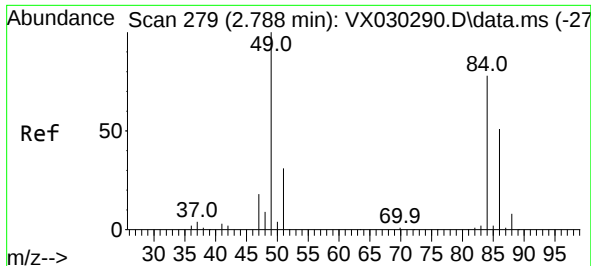
Tgt Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 6.522 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 73 Resp: 50489
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.6

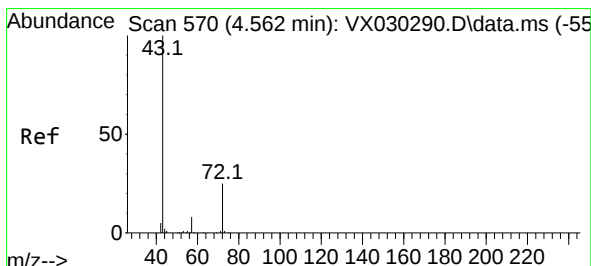
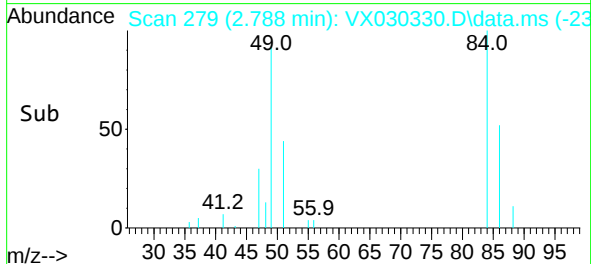
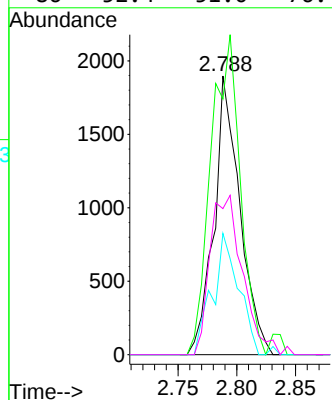
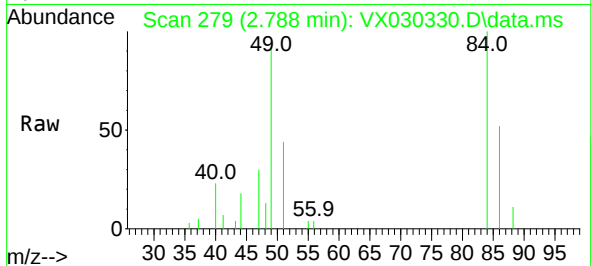




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

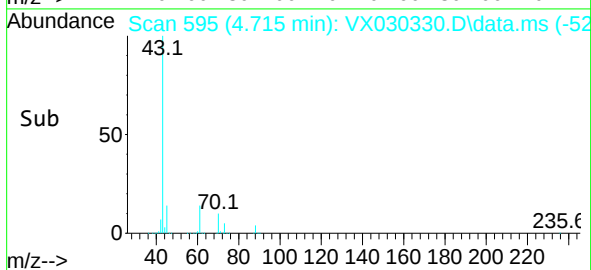
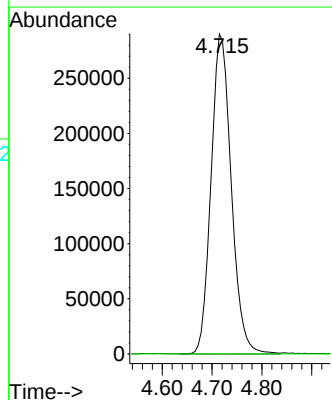
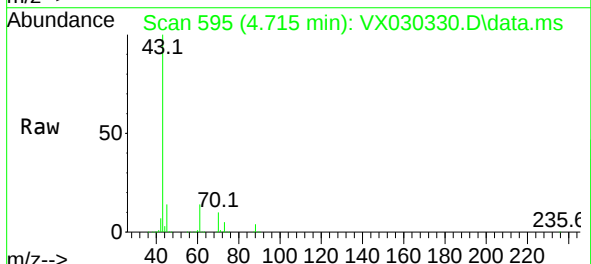
Instrument :
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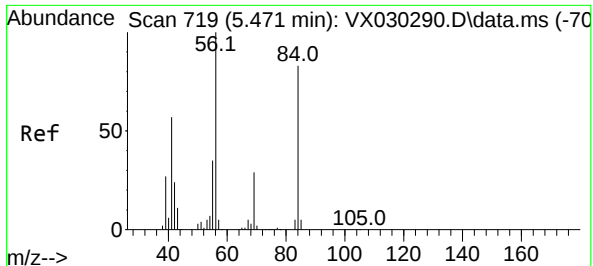
Tgt Ion:	84	Resp:	2904
Ion	Ratio	Lower	Upper
84	100		
49	91.7	93.8	140.6#
51	43.5	29.4	44.0
86	52.4	51.0	76.4



#25
2-Butanone
Concen: 325.891 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.147 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion:	43	Resp:	815208
Ion	Ratio	Lower	Upper
43	100		
72	0.1	21.7	32.5#

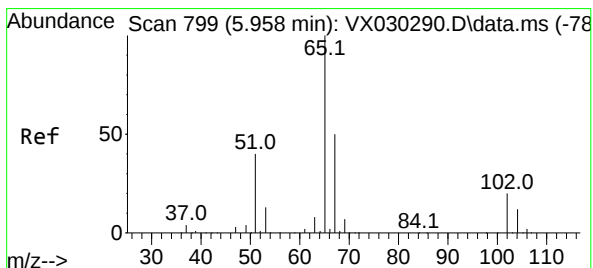
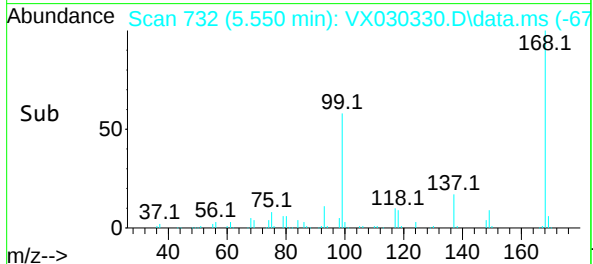
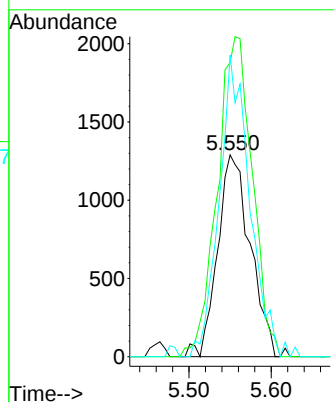
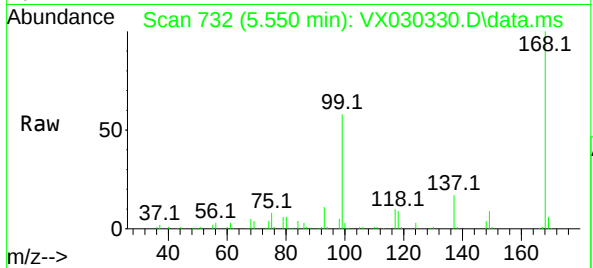




#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

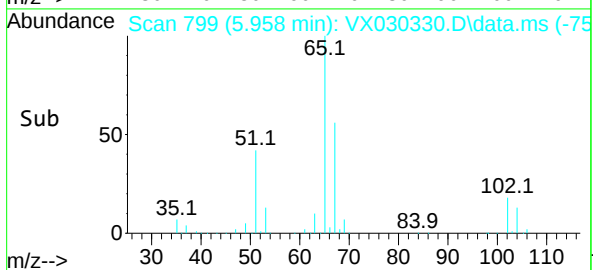
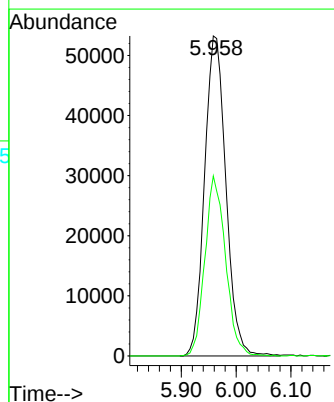
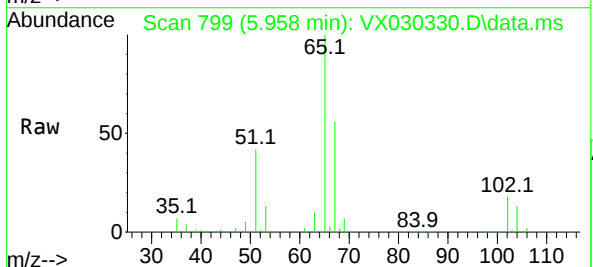
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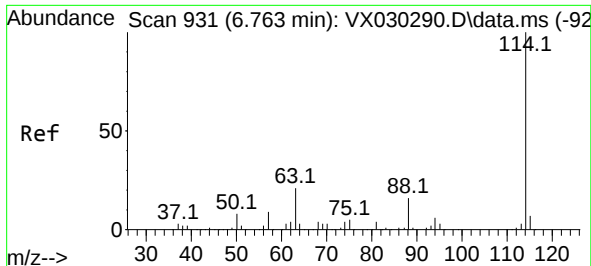
Tgt Ion: 56 Resp: 3559
Ion Ratio Lower Upper
56 100
69 145.7 25.4 38.0#
84 149.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.453 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 65 Resp: 143787
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6

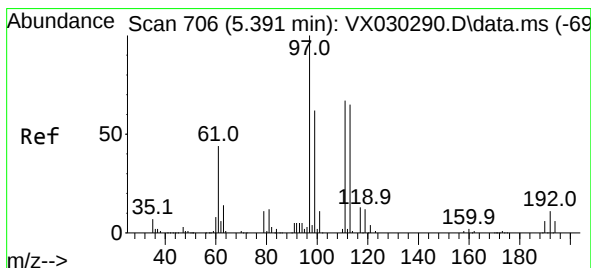
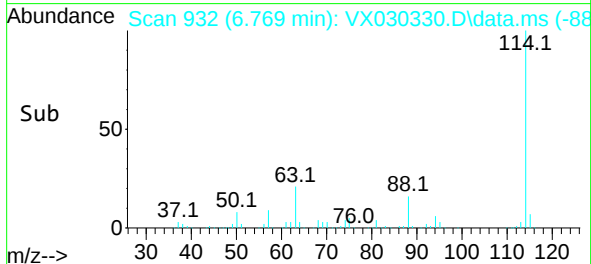
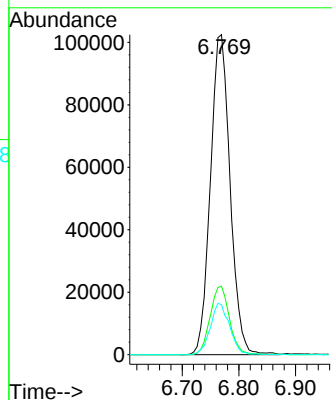
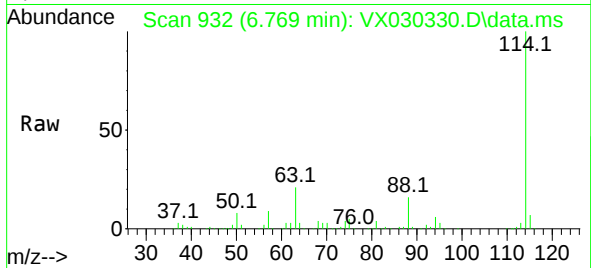




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

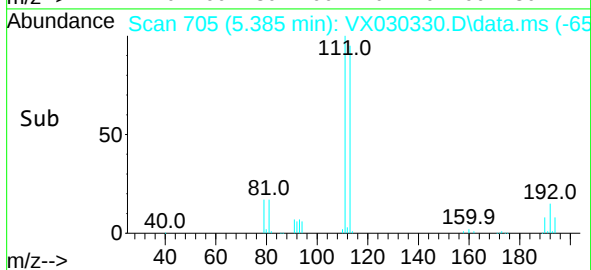
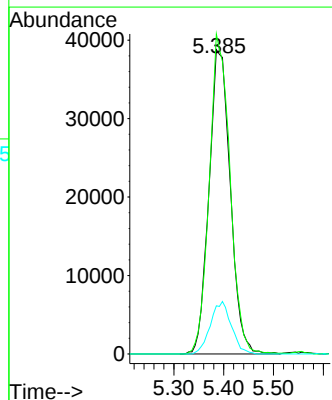
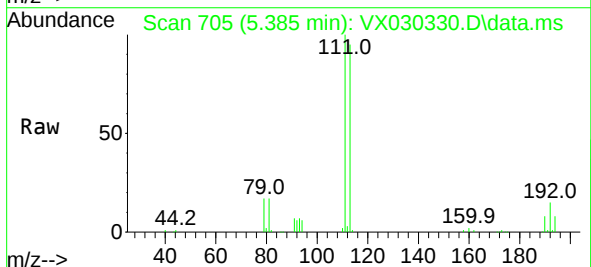
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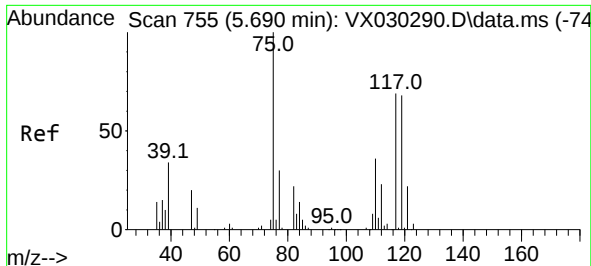
Tgt Ion:114 Resp: 247376
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.4
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.730 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion:113 Resp: 115237
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 16.9 14.8 22.2

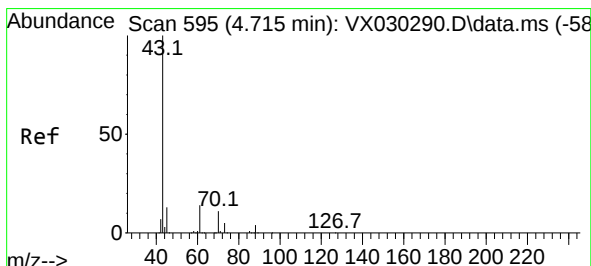
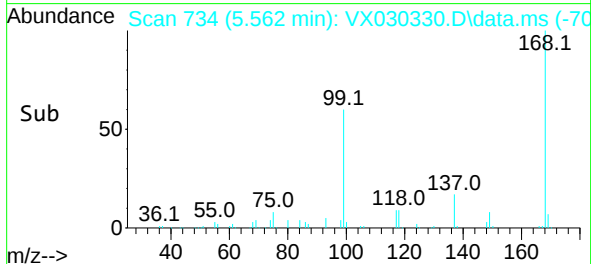
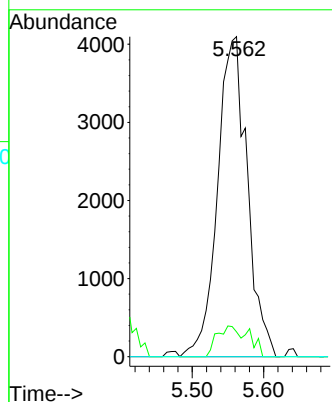
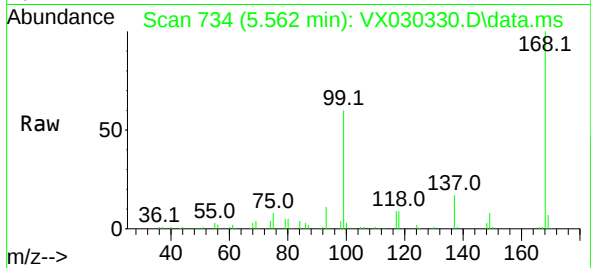




#36
1,1-Dichloropropene
Concen: 3.464 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

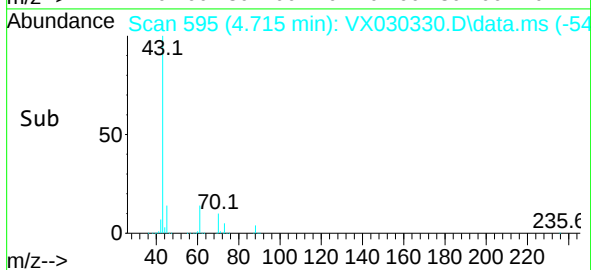
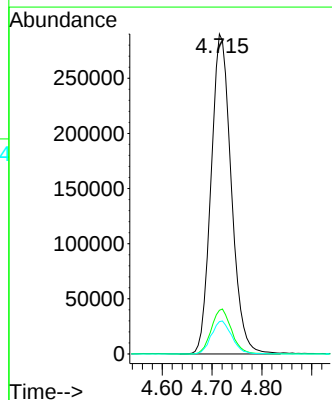
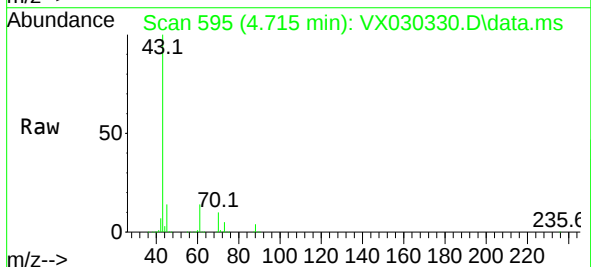
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

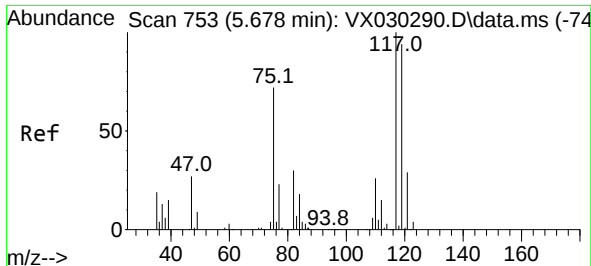
Tgt Ion: 75 Resp: 11787
Ion Ratio Lower Upper
75 100
110 10.2 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 169.154 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.005 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

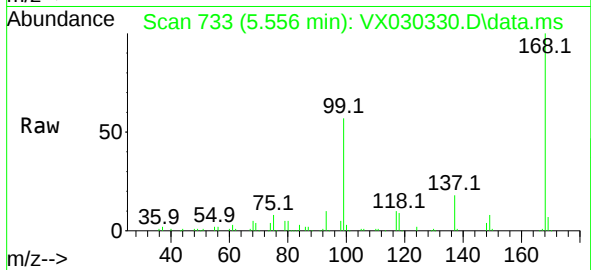
Tgt Ion: 43 Resp: 815208
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 10.4 9.3 13.9



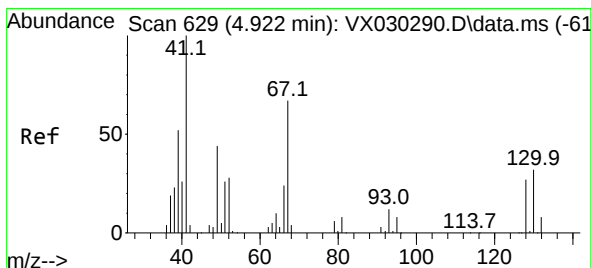
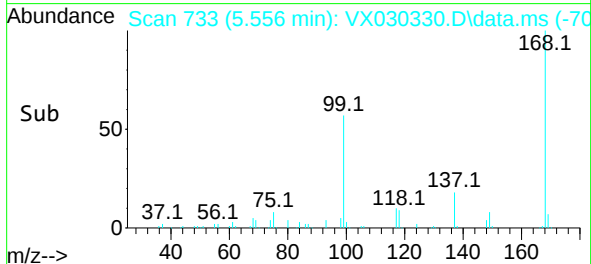
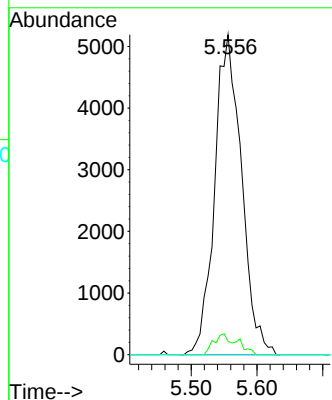


#38
Carbon Tetrachloride
Concen: 4.637 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

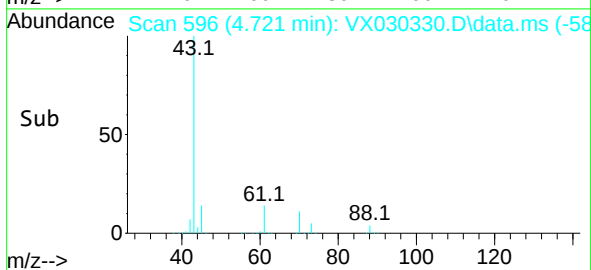
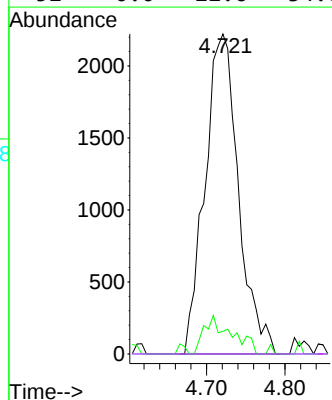
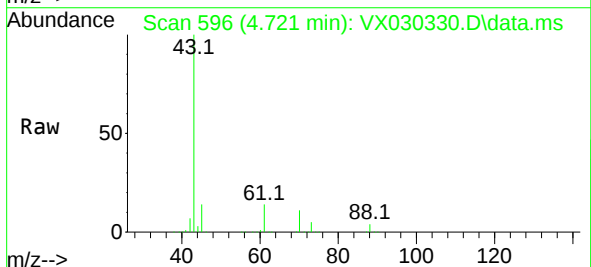


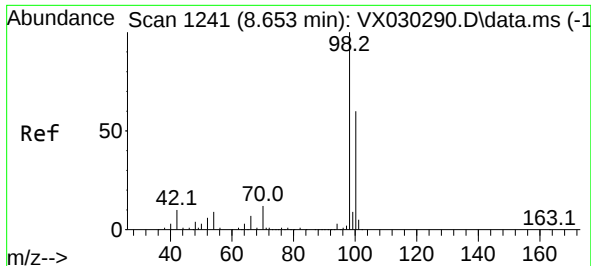
Tgt Ion: 117 Resp: 14731
Ion Ratio Lower Upper
117 100
119 4.1 74.1 111.1#
121 0.0 25.8 38.8#



#41
Methacrylonitrile
Concen: 2.552 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.207 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 41 Resp: 6592
Ion Ratio Lower Upper
41 100
39 9.8 42.9 64.3#
67 0.0 60.1 90.1#
52 0.0 22.6 34.0#

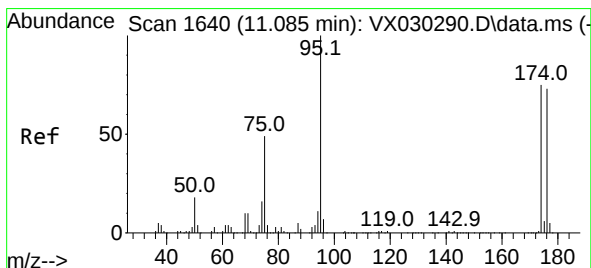
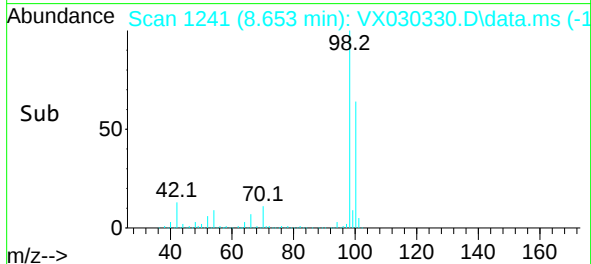
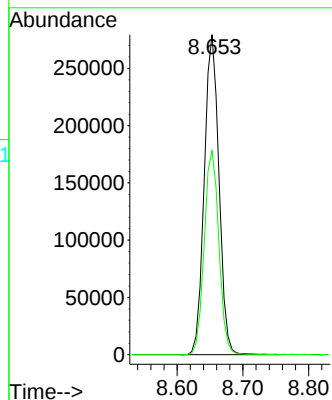
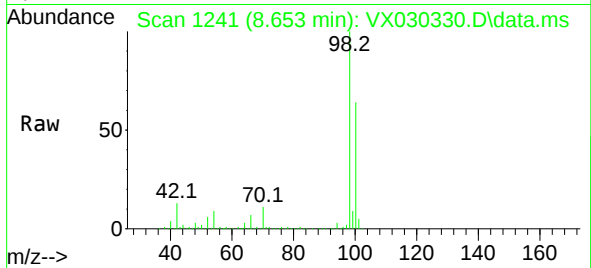




#50
Toluene-d8
Concen: 47.397 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

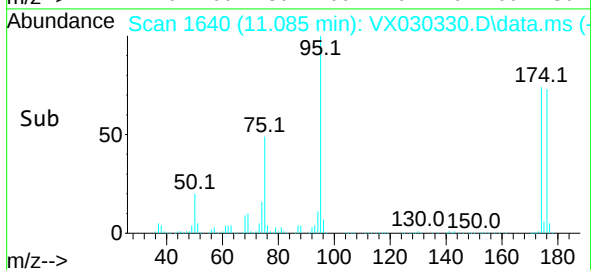
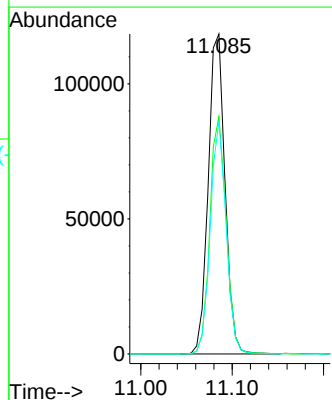
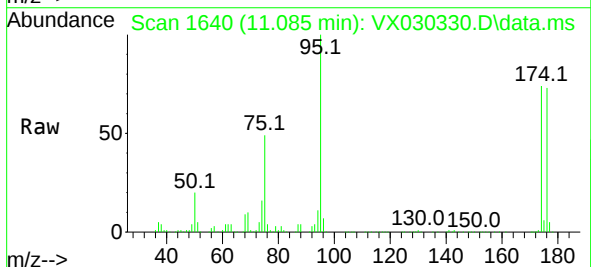
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

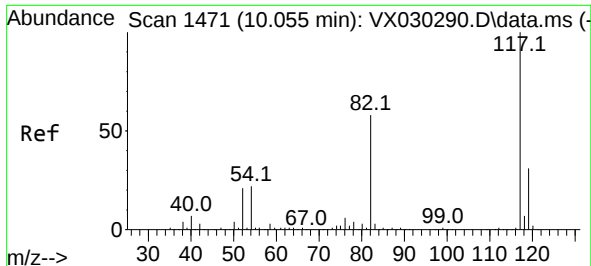
Tgt Ion: 98 Resp: 434063
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.272 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 95 Resp: 150469
Ion Ratio Lower Upper
95 100
174 72.5 0.0 149.0
176 68.5 0.0 146.0

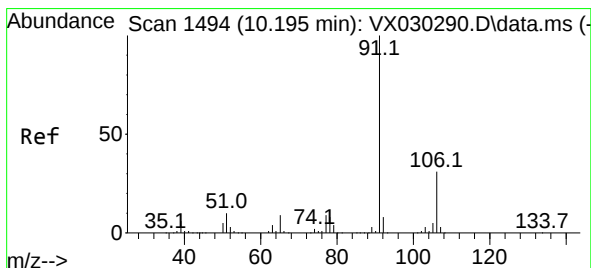
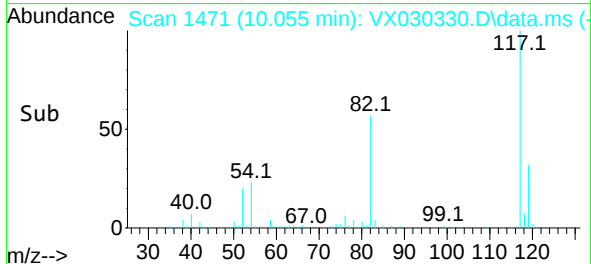
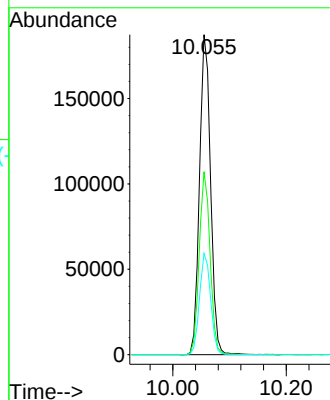
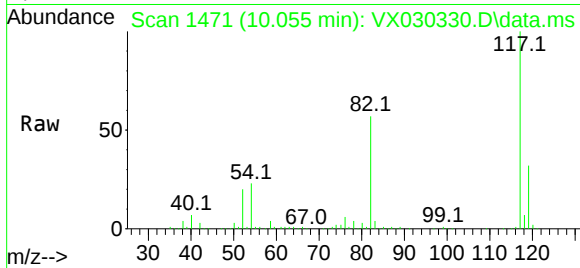




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

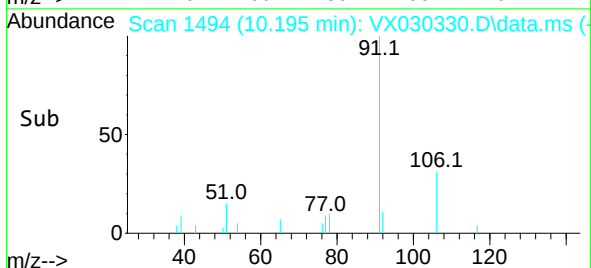
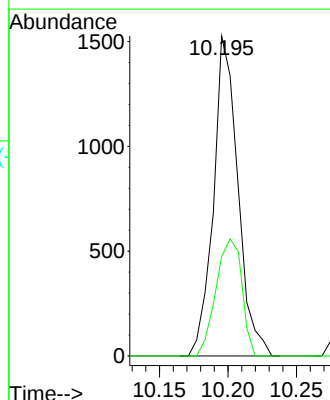
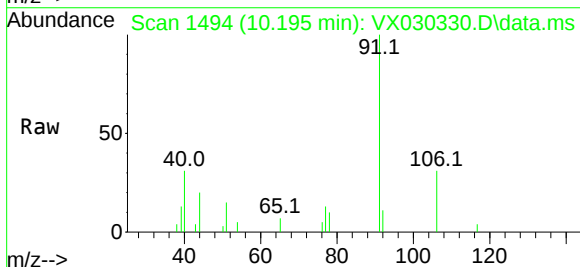
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

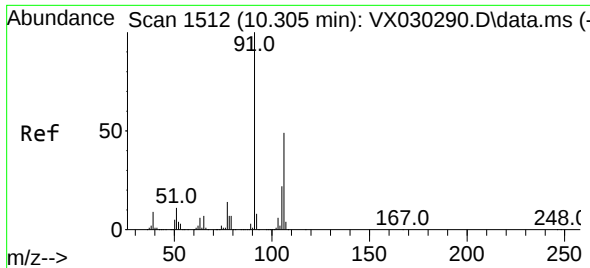
Tgt Ion:117 Resp: 253165
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 31.7 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion: 91 Resp: 1891
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

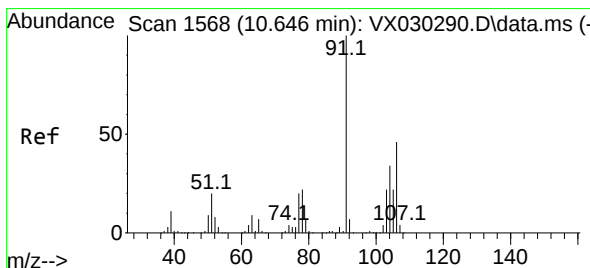
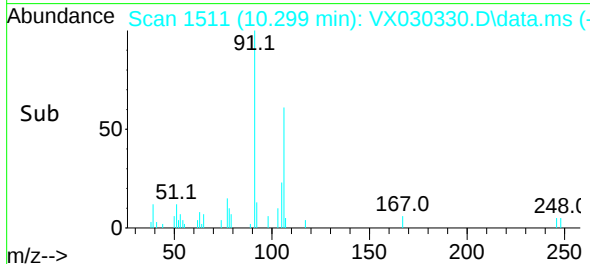
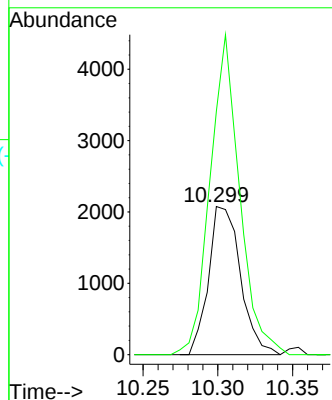
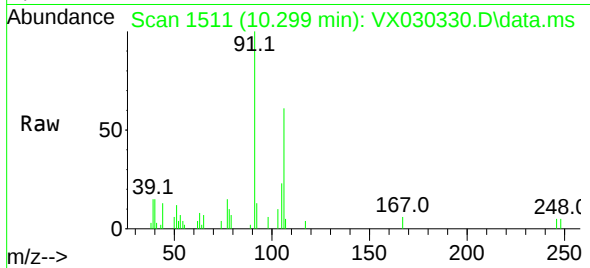




#68
m/p-Xylenes
Concen: 0.662 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

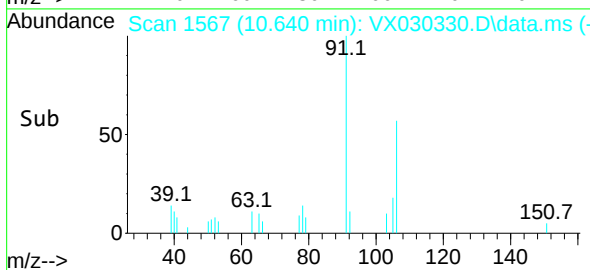
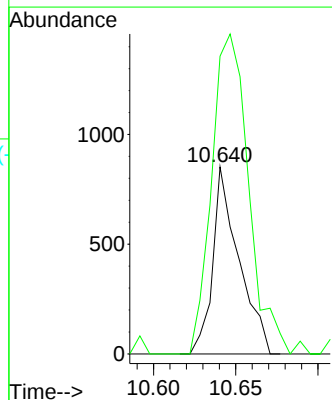
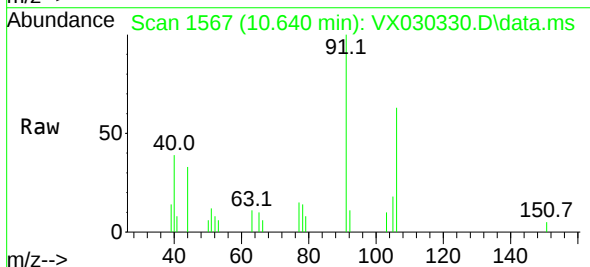
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL

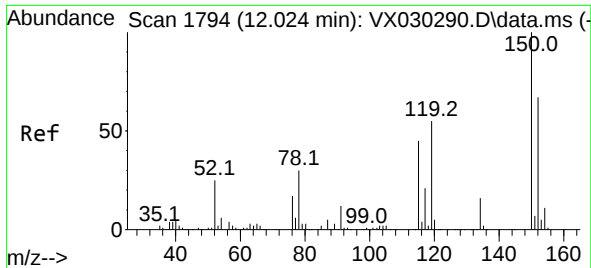
Tgt Ion:106 Resp: 3082
Ion Ratio Lower Upper
106 100
91 199.9 158.2 237.4



#69
o-Xylene
Concen: 0.205 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Tgt Ion:106 Resp: 940
Ion Ratio Lower Upper
106 100
91 243.3 103.8 311.6

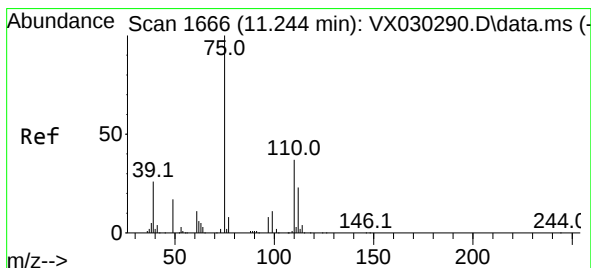
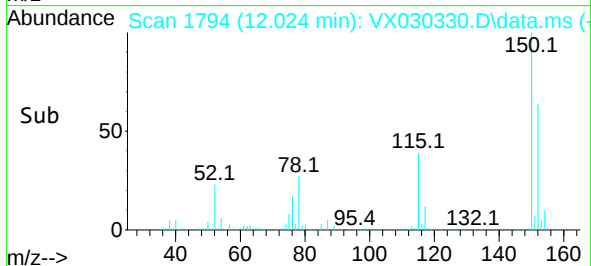
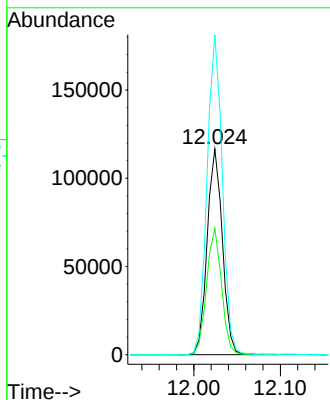
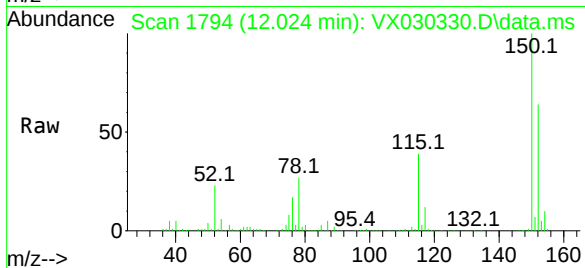




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030330.D
 Acq: 01 Aug 2022 18:15

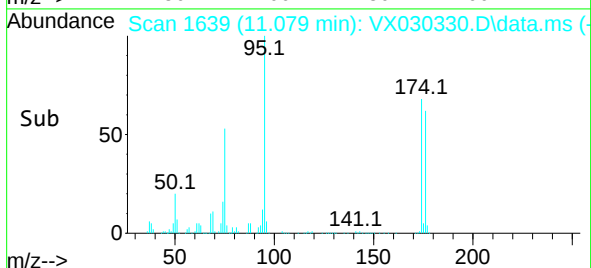
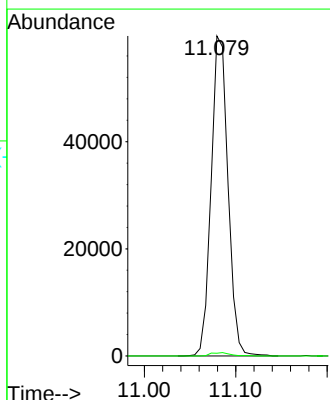
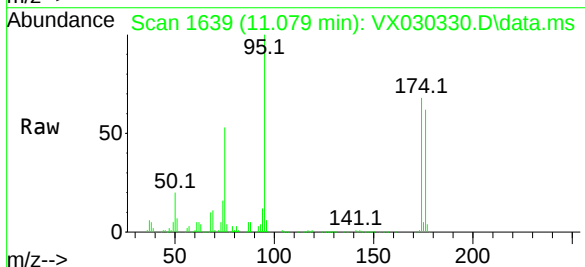
Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-1DL

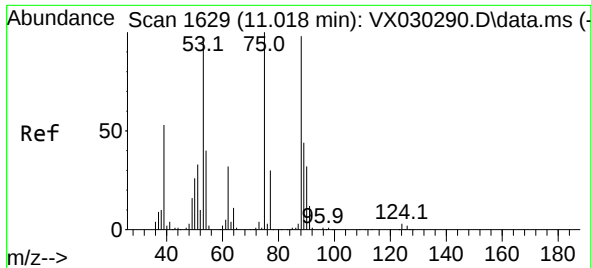
Tgt Ion:152 Resp: 142727
 Ion Ratio Lower Upper
 152 100
 115 60.5 40.5 121.5
 150 155.0 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.292 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX030330.D
 Acq: 01 Aug 2022 18:15

Tgt Ion: 75 Resp: 76344
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#

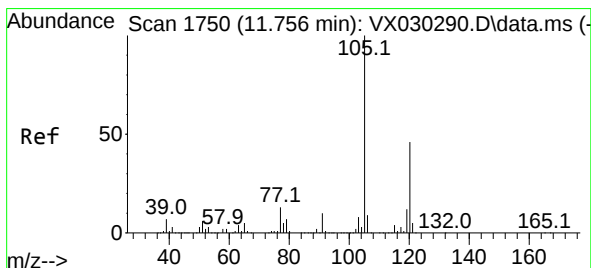
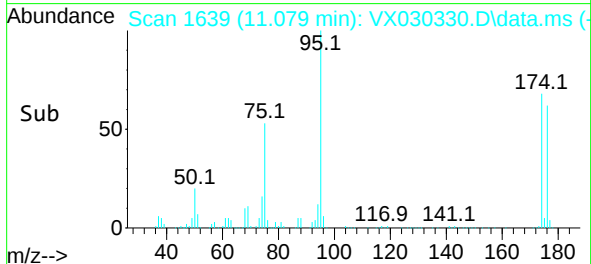
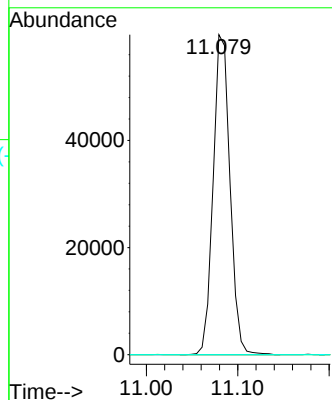
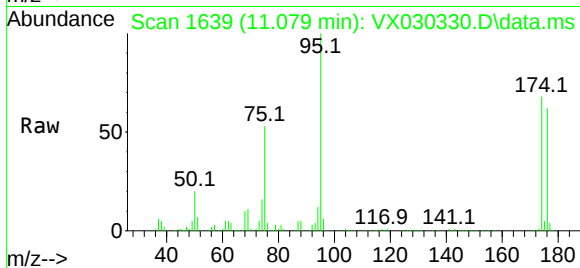




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.876 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.055 min
 Lab File: VX030330.D
 Acq: 01 Aug 2022 18:15

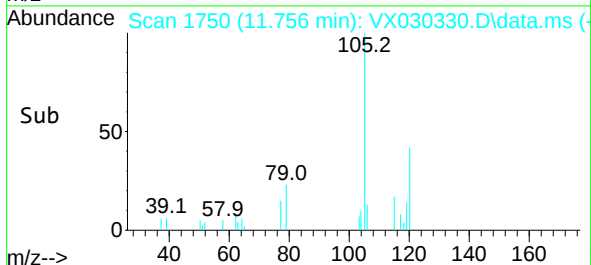
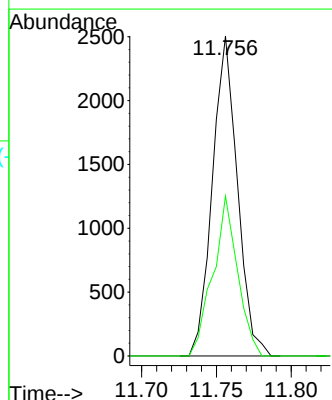
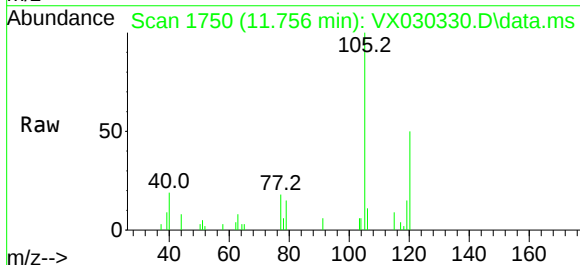
Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-1DL

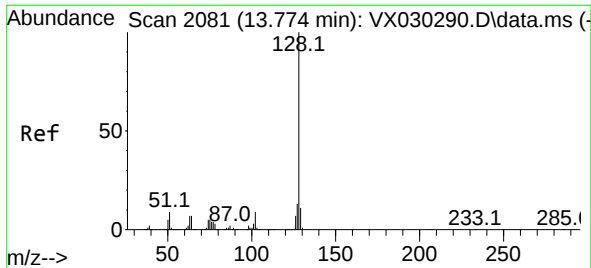
Tgt Ion: 75 Resp: 76344
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.312 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VX030330.D
 Acq: 01 Aug 2022 18:15

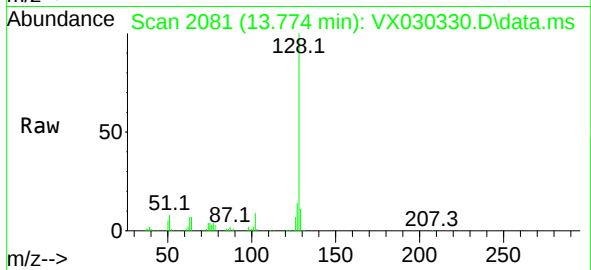
Tgt Ion: 105 Resp: 2908
 Ion Ratio Lower Upper
 105 100
 120 49.4 22.9 68.8





#95
Naphthalene
Concen: 13.003 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX030330.D
Acq: 01 Aug 2022 18:15

Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-1DL



Tgt Ion:128 Resp: 147041
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 11.2 8.6 13.0

