

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030332.D
 Acq On : 01 Aug 2022 19:01
 Operator : JC/MD
 Sample : N3964-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-2

Quant Time: Aug 02 01:56:33 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)

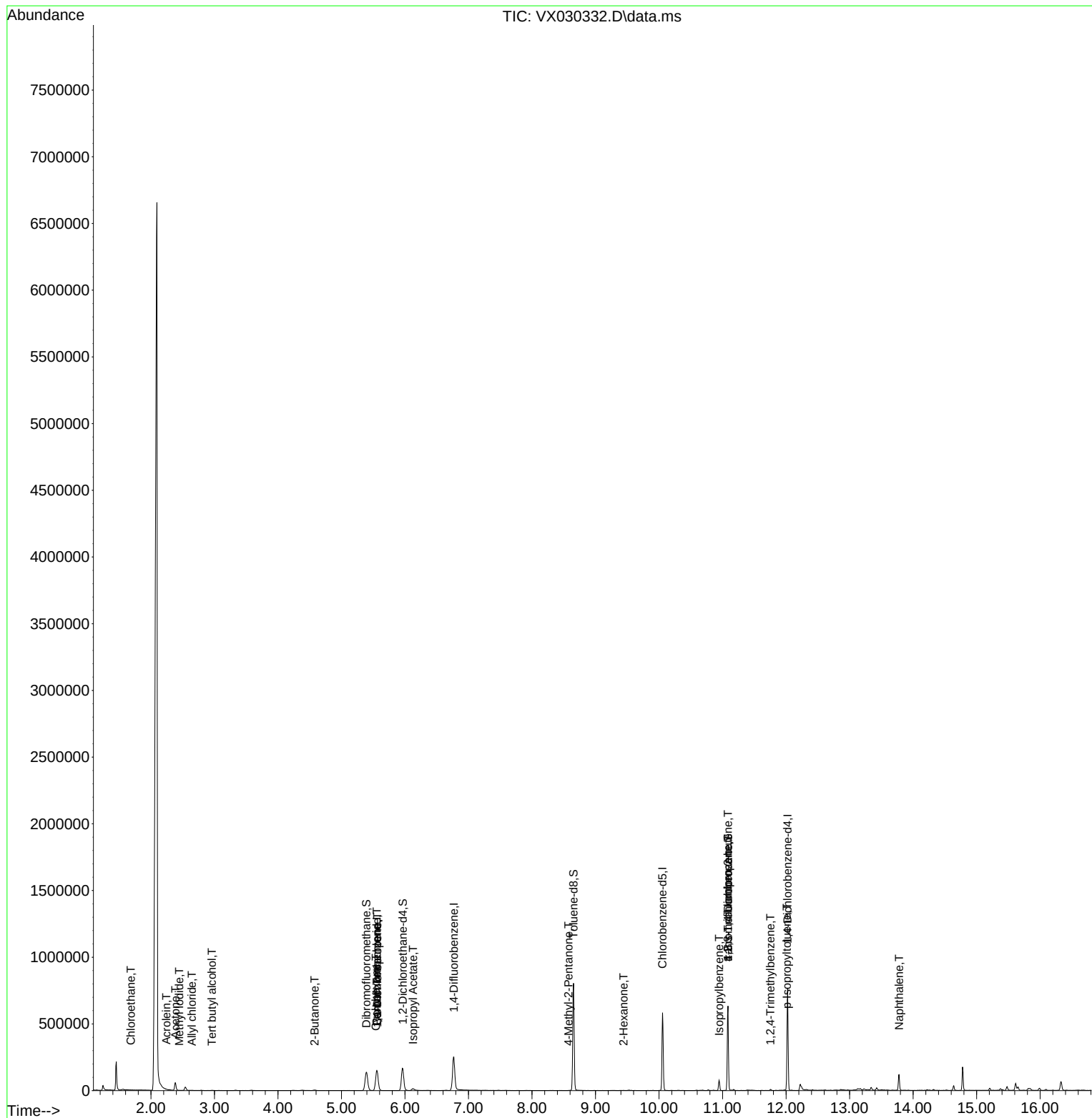
Internal Standards						
1) Pentafluorobenzene	5.556	168	140872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	253213	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156494	55.270	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.540%	
35) Dibromofluoromethane	5.391	113	126465	52.246	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.500%	
50) Toluene-d8	8.653	98	468672	49.997	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	11.085	95	168202	48.348	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	395	Below Cal	#	53
6) Chloroethane	1.685	64	1102	0.832	ug/l #	41
10) Methyl Iodide	2.447	142	21	1.534	ug/l #	45
11) Tert butyl alcohol	2.959	59	1376	1.992	ug/l #	95
13) Acrolein	2.239	56	623	3.670	ug/l #	68
14) Allyl chloride	2.642	41	976	0.215	ug/l #	37
16) Acetone	2.386	43	58022	40.026	ug/l	95
20) Methylene Chloride	2.788	84	978	Below Cal	#	82
25) 2-Butanone	4.574	43	6518	2.676	ug/l #	88
31) Cyclohexane	5.544	56	1423	0.346	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11686	3.355	ug/l #	48
38) Carbon Tetrachloride	5.556	117	14810	4.554	ug/l #	21
43) Isopropyl Acetate	6.129	43	12490	1.727	ug/l #	60
51) 4-Methyl-2-Pentanone	8.574	43	1201	0.245	ug/l #	64
59) 2-Hexanone	9.439	43	1086	0.280	ug/l	67
67) Ethyl Benzene	10.195	91	909	Below Cal	#	71
73) Isopropylbenzene	10.945	105	2947	0.260	ug/l #	74
76) 1,2,3-Trichloropropane	11.085	75	85911	22.441	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	85911	67.322	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	3048	0.322	ug/l	79
86) p-Isopropyltoluene	12.012	119	5844	0.606	ug/l	85
95) Naphthalene	13.780	128	75010	6.519	ug/l	100

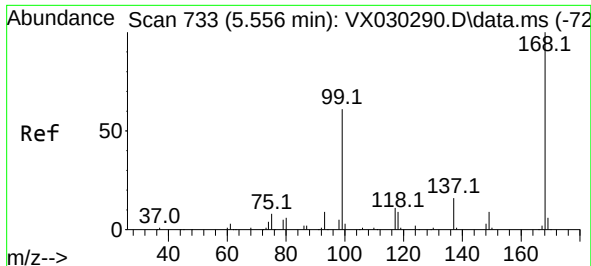
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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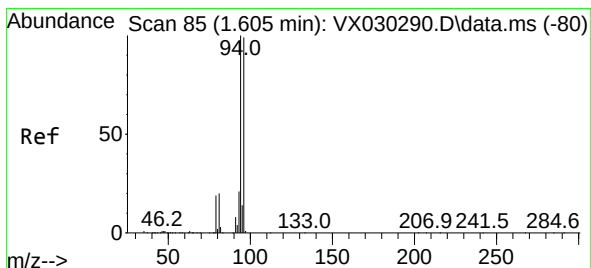
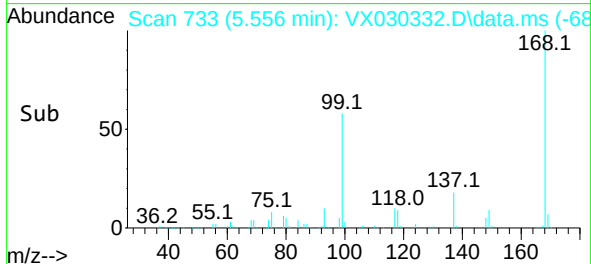
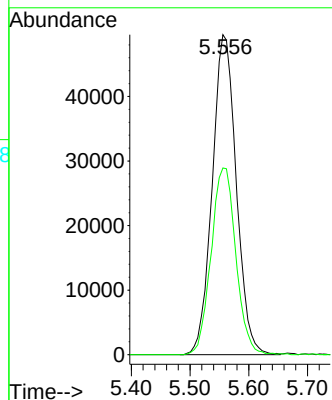
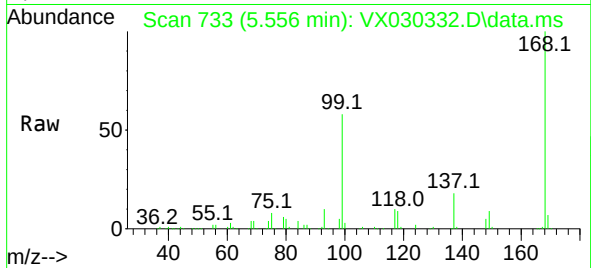




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

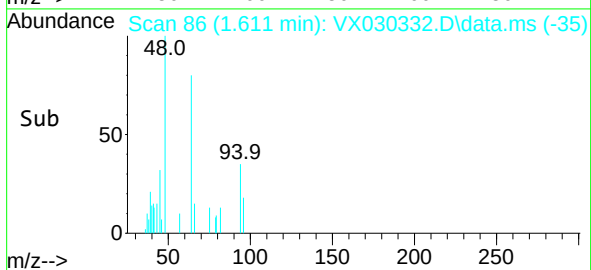
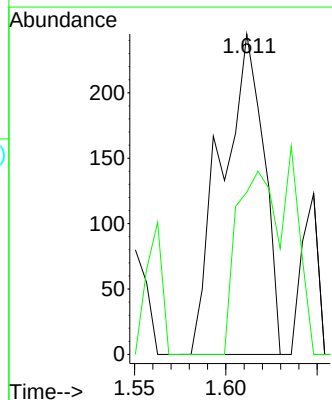
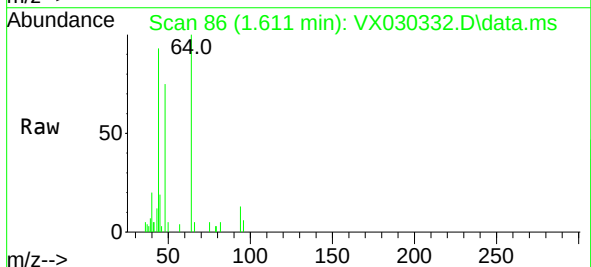
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

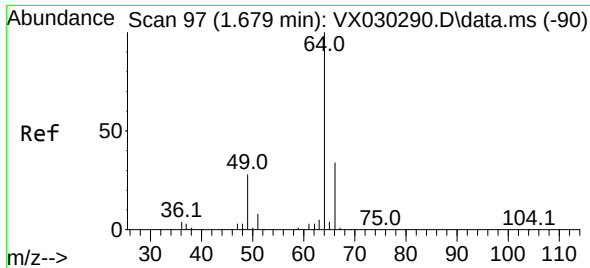
Tgt Ion:168 Resp: 140872
Ion Ratio Lower Upper
168 100
99 58.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 50.6 76.9 115.3#

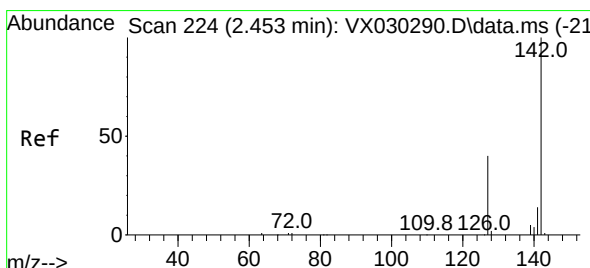
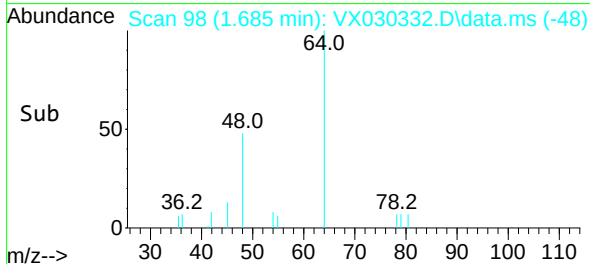
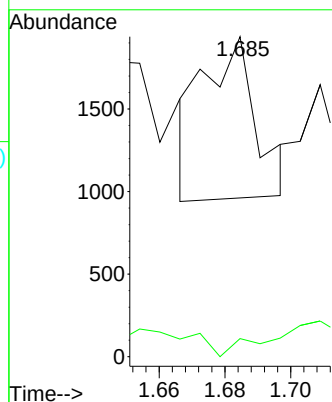
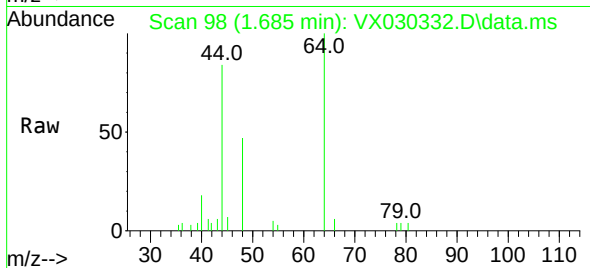




#6
Chloroethane
Concen: 0.832 ug/l
RT: 1.685 min Scan# 97
Delta R.T. 0.007 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

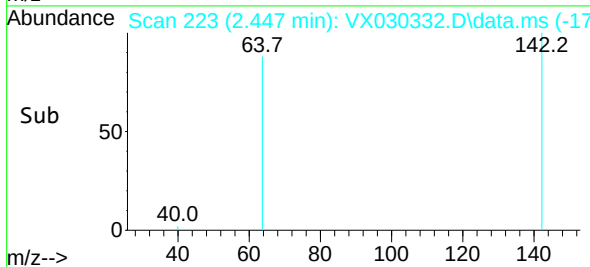
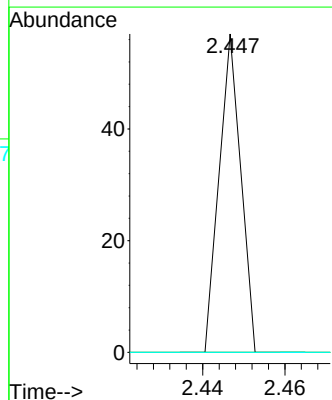
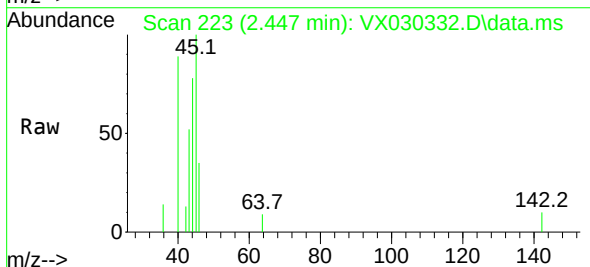
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

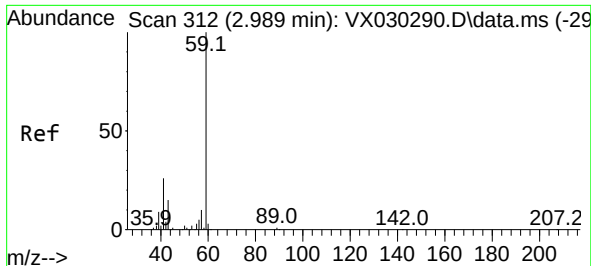
Tgt Ion: 64 Resp: 1102
Ion Ratio Lower Upper
64 100
66 0.5 27.2 40.8#



#10
Methyl Iodide
Concen: 1.534 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.001 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.992 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX030332.D

Acq: 01 Aug 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

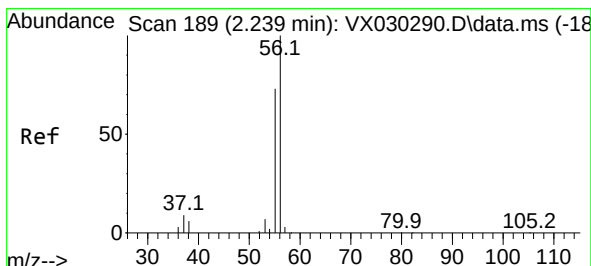
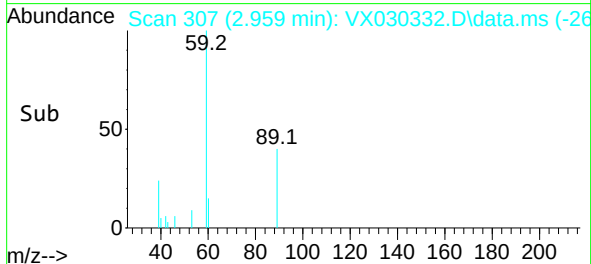
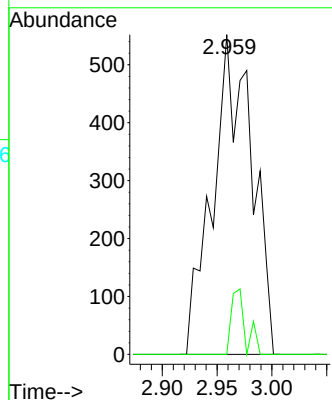
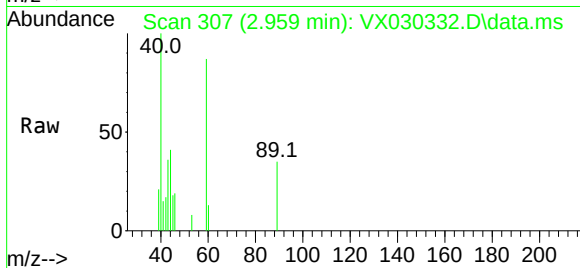
HMGP-WATER-2

Tgt Ion: 59 Resp: 1376

Ion Ratio Lower Upper

59 100

57 7.3 7.4 11.2#



#13

Acrolein

Concen: 3.670 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX030332.D

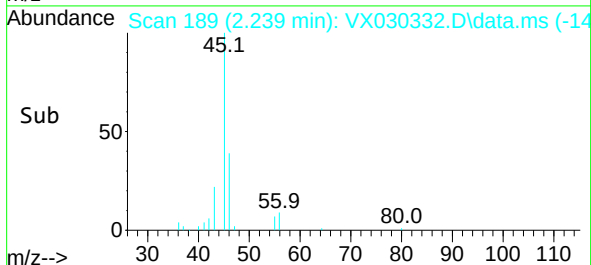
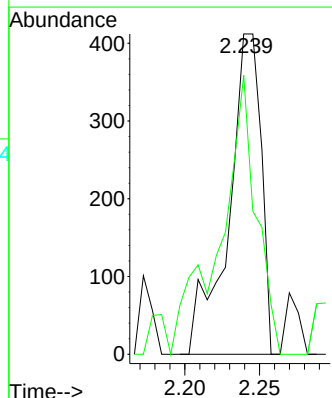
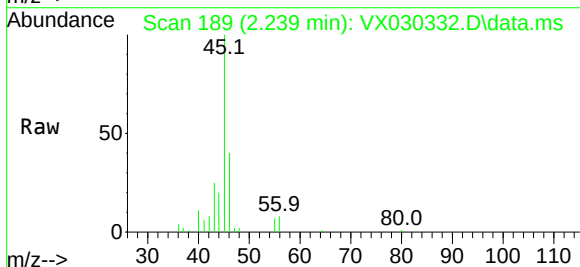
Acq: 01 Aug 2022 19:01

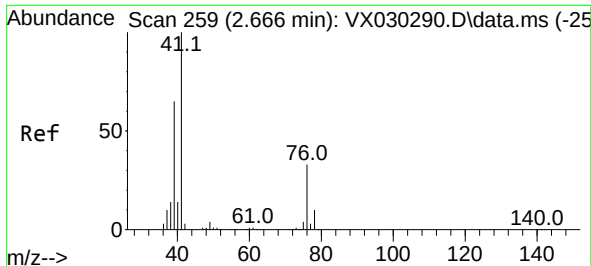
Tgt Ion: 56 Resp: 623

Ion Ratio Lower Upper

56 100

55 97.4 56.6 84.8#

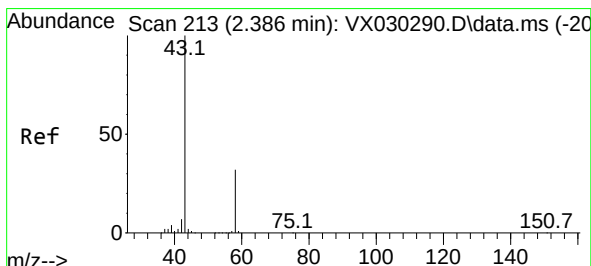
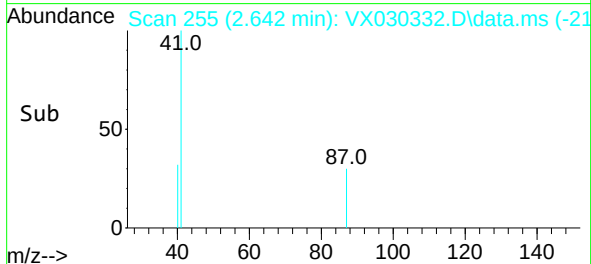
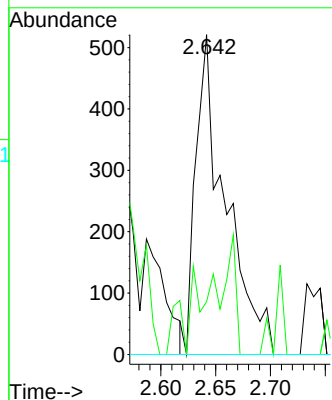
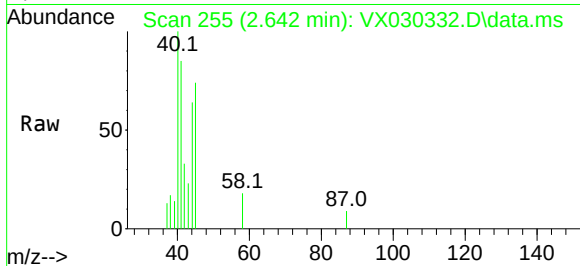




#14
 Allyl chloride
 Concen: 0.215 ug/l
 RT: 2.642 min Scan# 215
 Delta R.T. -0.024 min
 Lab File: VX030332.D
 Acq: 01 Aug 2022 19:01

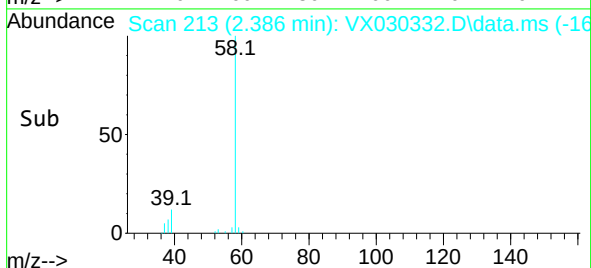
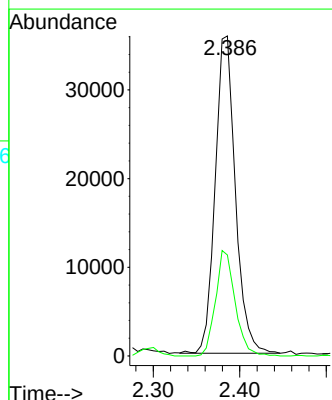
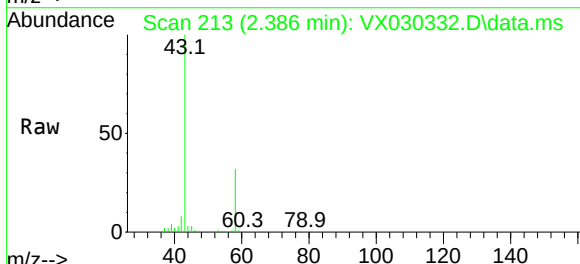
Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-WATER-2

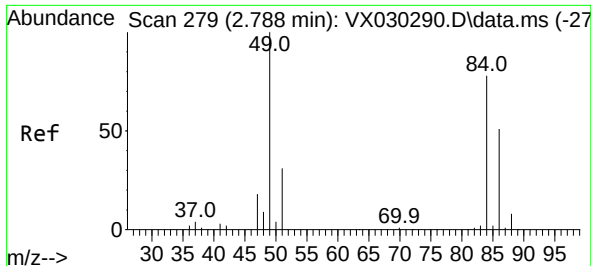
Tgt Ion: 41 Resp: 976
 Ion Ratio Lower Upper
 41 100
 39 11.2 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 40.026 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.001 min
 Lab File: VX030332.D
 Acq: 01 Aug 2022 19:01

Tgt Ion: 43 Resp: 58022
 Ion Ratio Lower Upper
 43 100
 58 31.8 27.7 41.5

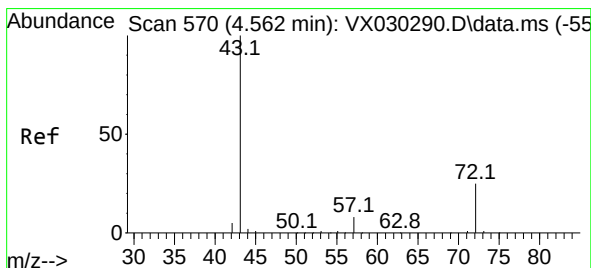
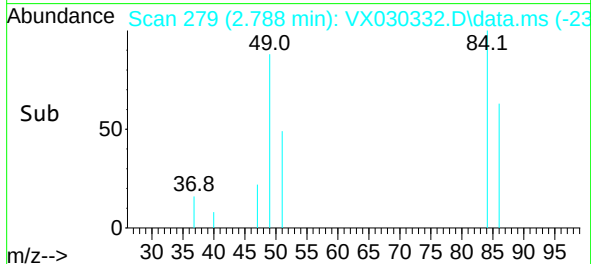
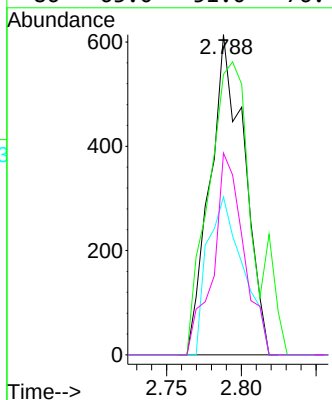
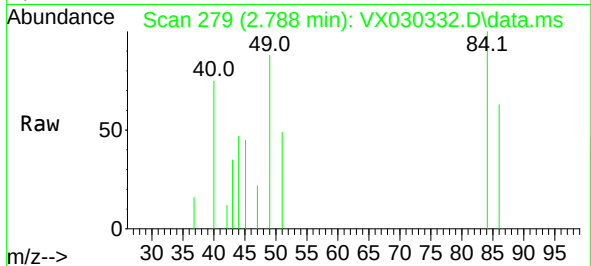




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

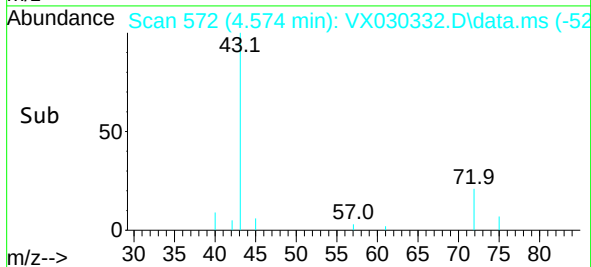
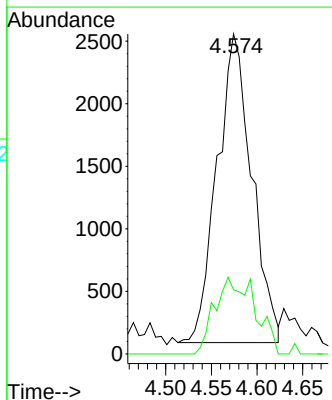
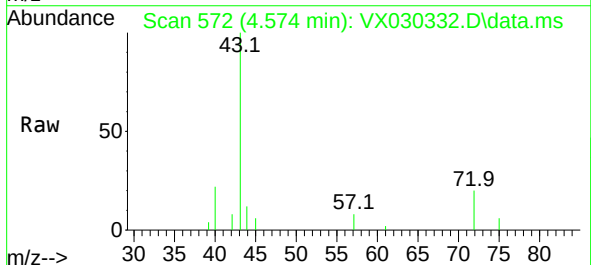
Instrument :
MSVOA_X
ClientSampleId :
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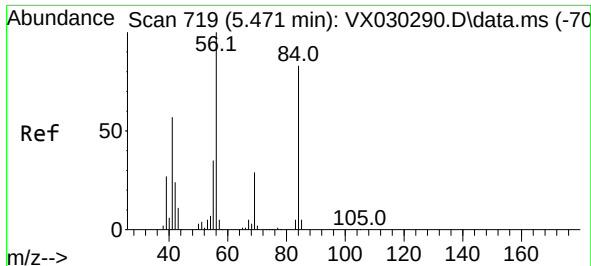
Tgt Ion: 84	Resp: 978
Ion Ratio	Lower Upper
84 100	
49 87.6	93.8 140.6#
51 49.3	29.4 44.0#
86 63.0	51.0 76.4



#25
2-Butanone
Concen: 2.676 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 43	Resp: 6518		
Ion Ratio	Lower	Upper	
43 100			
72 20.8	21.7	32.5#	

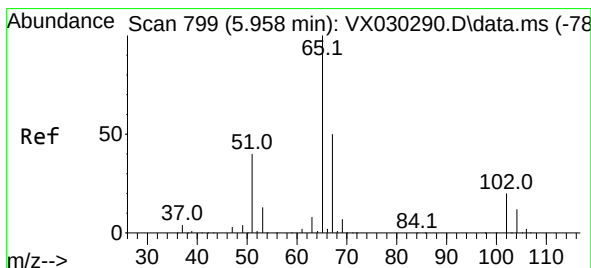
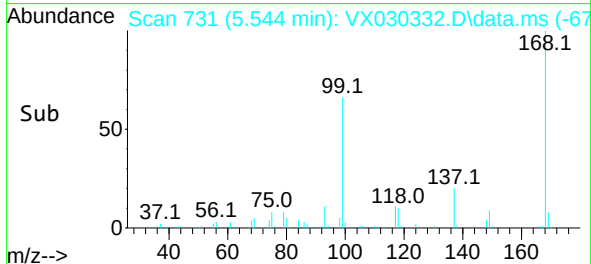
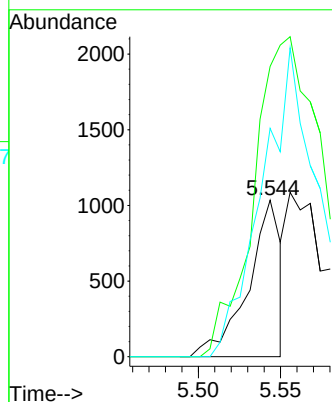
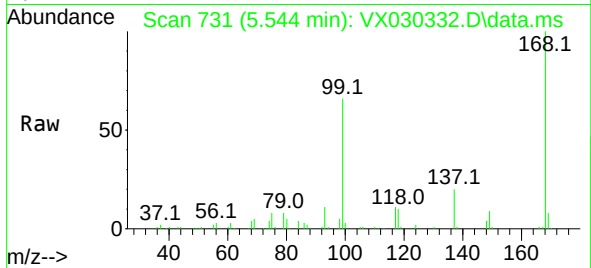




#31
Cyclohexane
Concen: 0.346 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

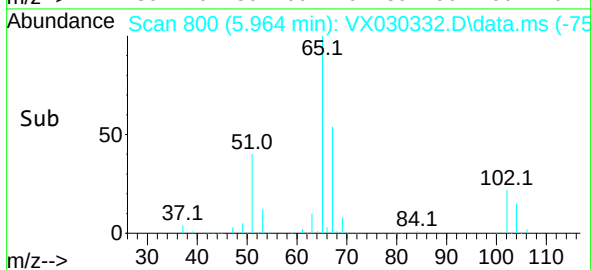
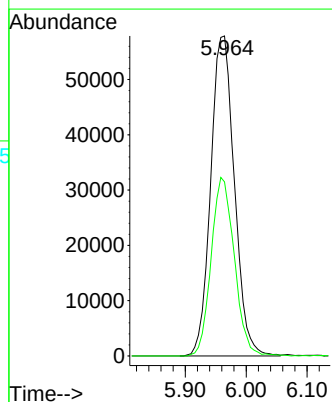
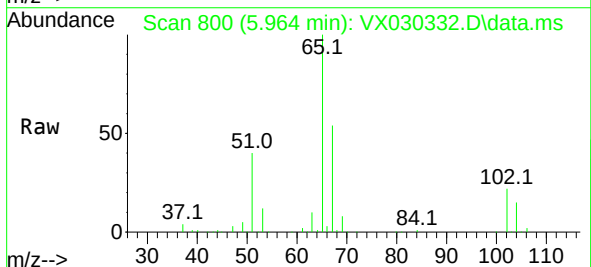
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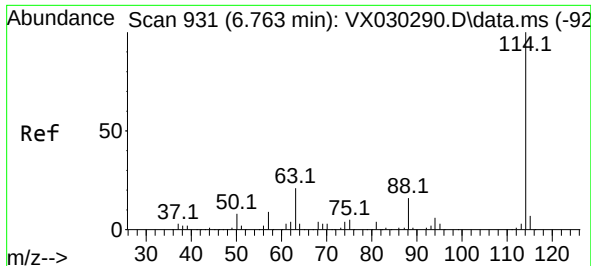
Tgt Ion: 56 Resp: 1423
Ion Ratio Lower Upper
56 100
69 185.5 25.4 38.0#
84 145.9 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 55.270 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 65 Resp: 156494
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6

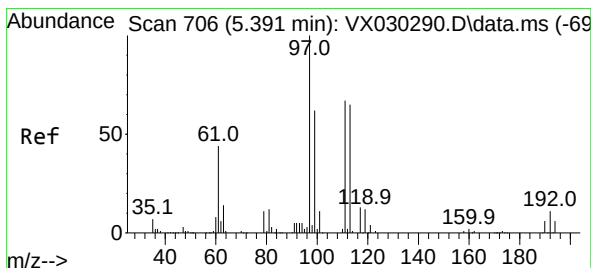
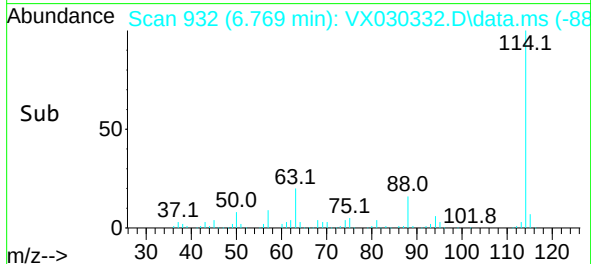
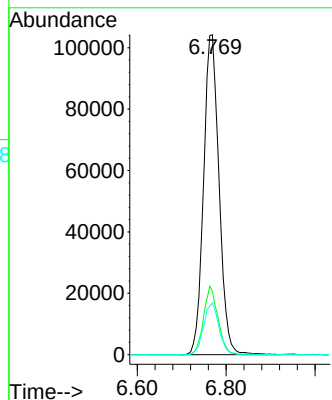
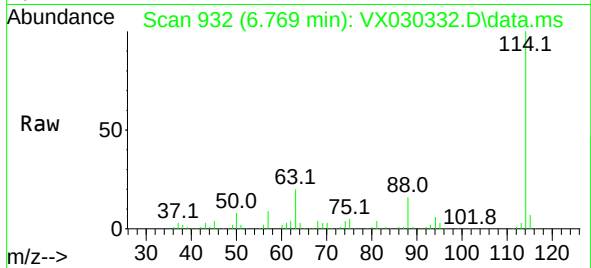




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

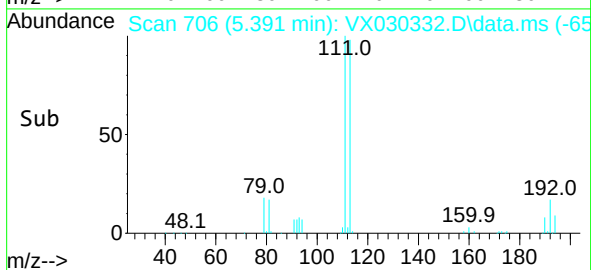
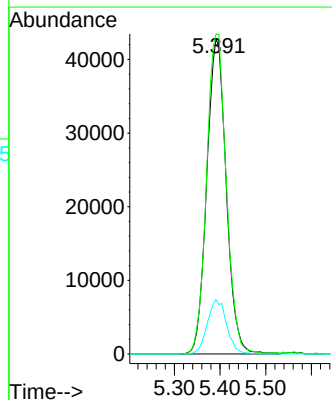
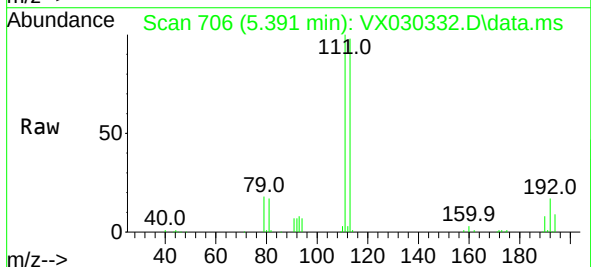
Instrument :
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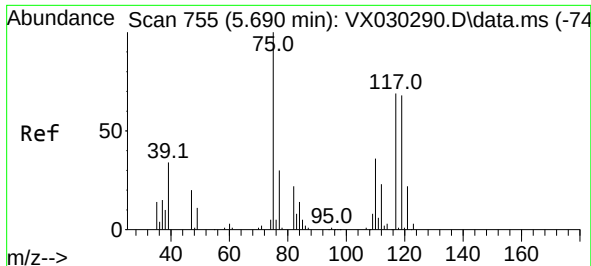
Tgt Ion:114 Resp: 253213
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.246 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion:113 Resp: 126465
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 17.1 14.8 22.2

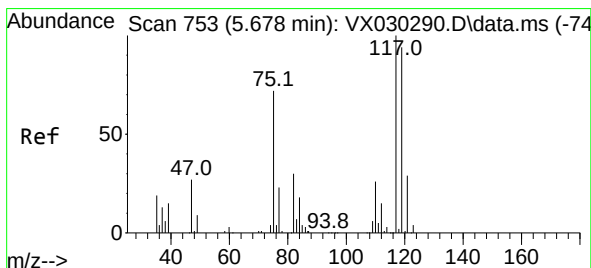
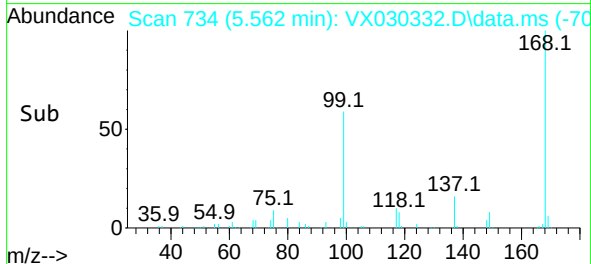
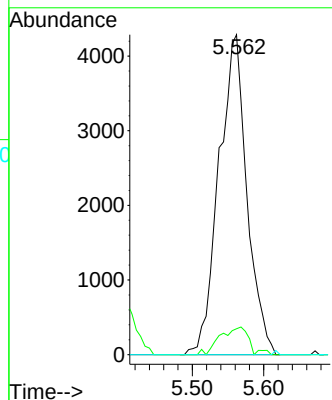
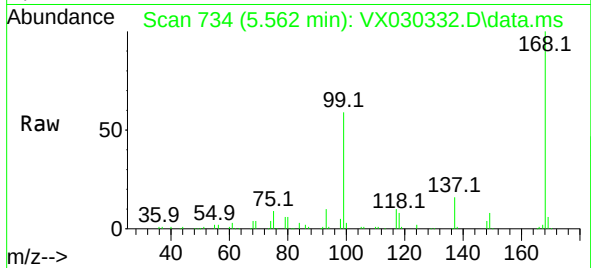




#36
1,1-Dichloropropene
Concen: 3.355 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

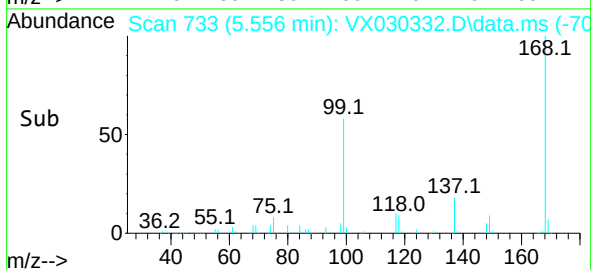
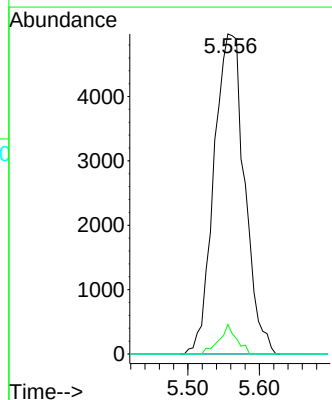
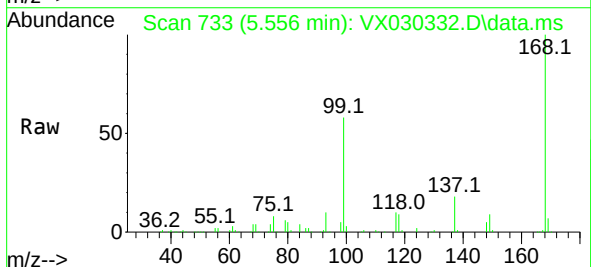
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

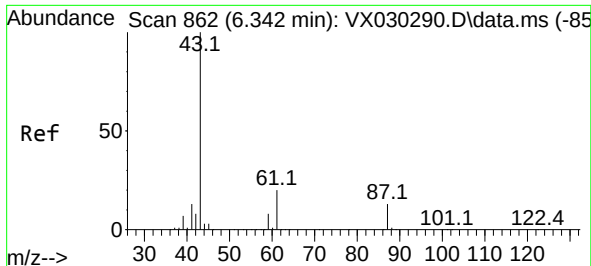
Tgt Ion: 75 Resp: 11686
Ion Ratio Lower Upper
75 100
110 8.8 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.554 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 117 Resp: 14810
Ion Ratio Lower Upper
117 100
119 9.2 74.1 111.1#
121 0.0 25.8 38.8#

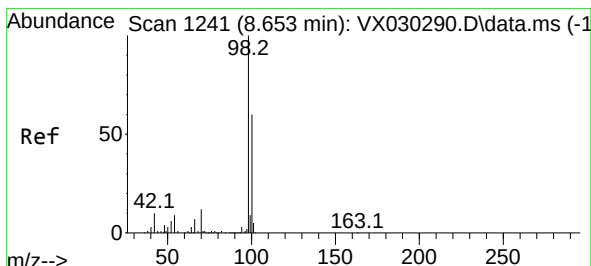
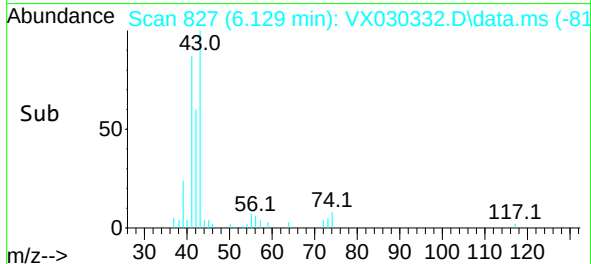
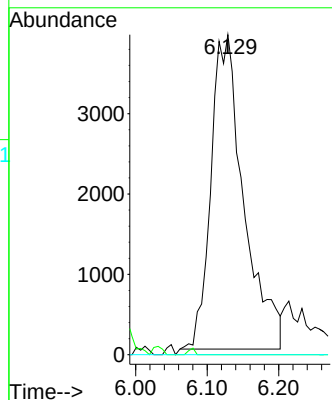
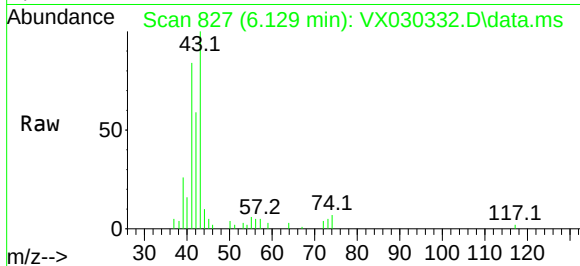




#43
Isopropyl Acetate
Concen: 1.727 ug/l
RT: 6.129 min Scan# 81
Delta R.T. -0.219 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

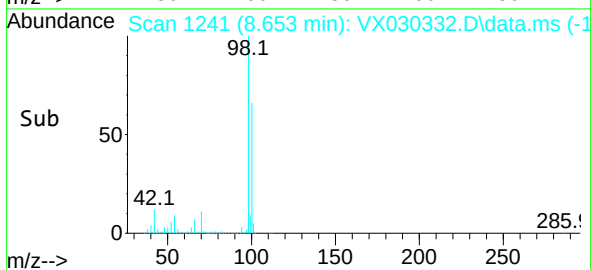
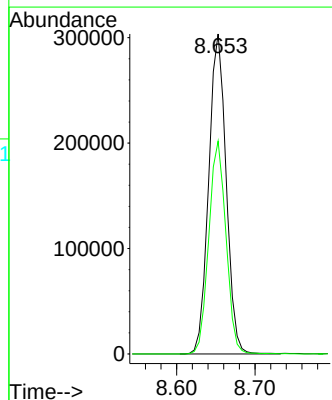
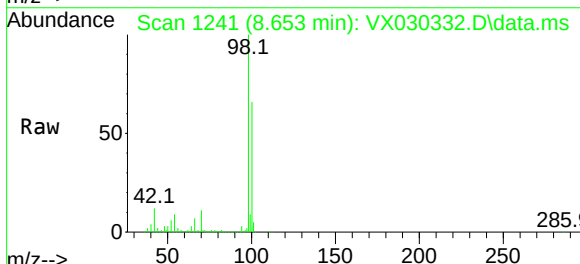
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

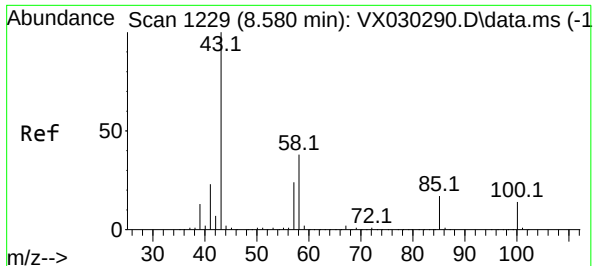
Tgt Ion: 43 Resp: 12490
Ion Ratio Lower Upper
43 100
61 0.0 16.5 24.7#
87 0.0 11.1 16.7#



#50
Toluene-d8
Concen: 49.997 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 98 Resp: 468672
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

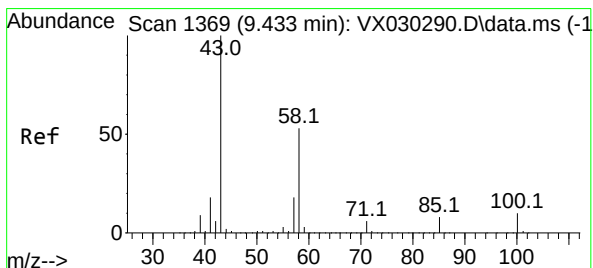
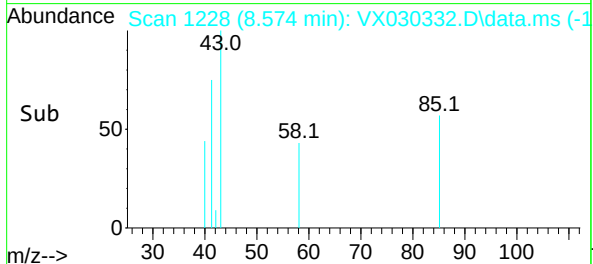
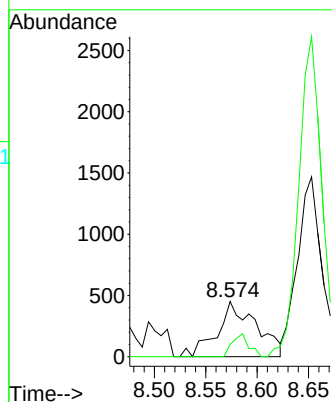
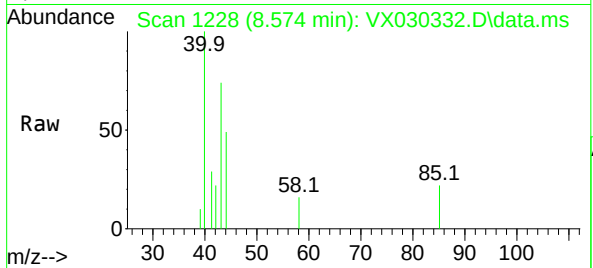




#51
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

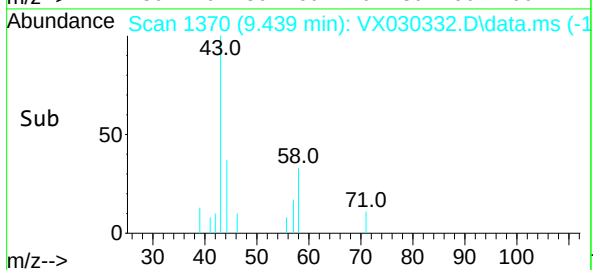
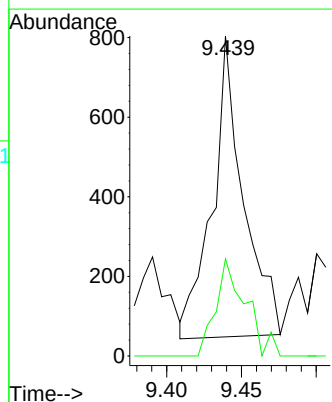
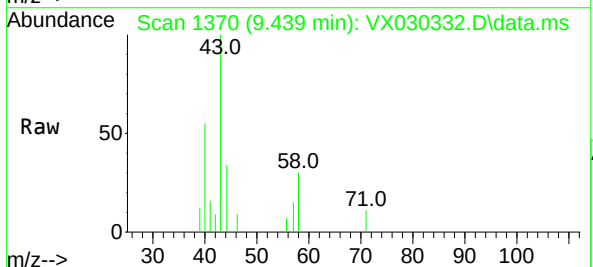
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

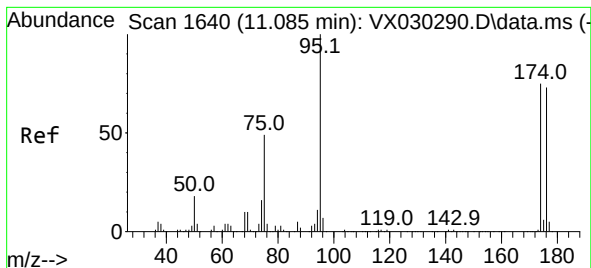
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 17.5 31.4 47.2#



#59
2-Hexanone
Concen: 0.280 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 31.2 27.6 82.8

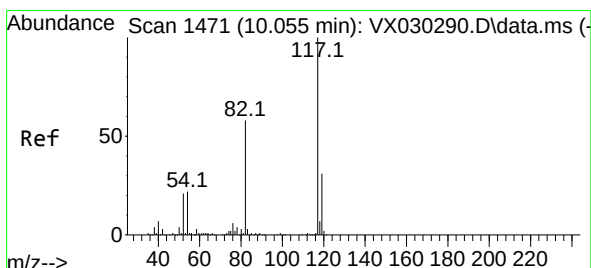
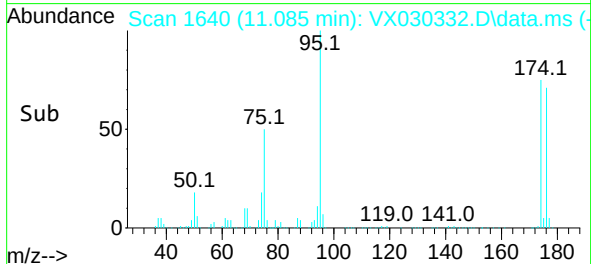
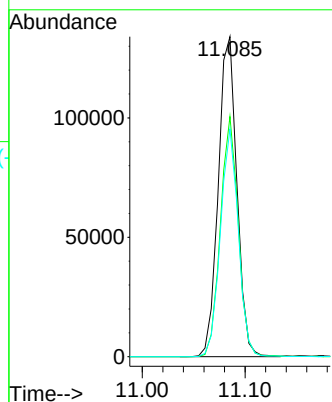
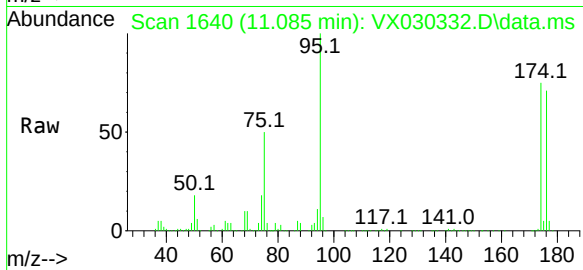




#62
4-Bromofluorobenzene
Concen: 48.348 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

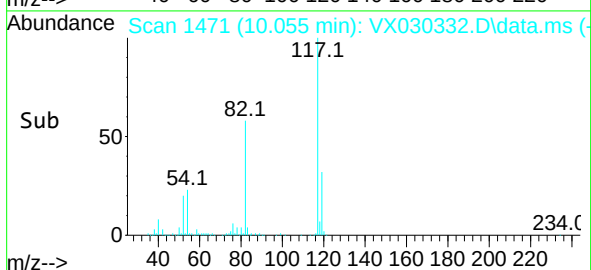
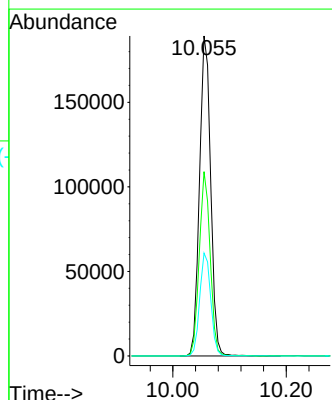
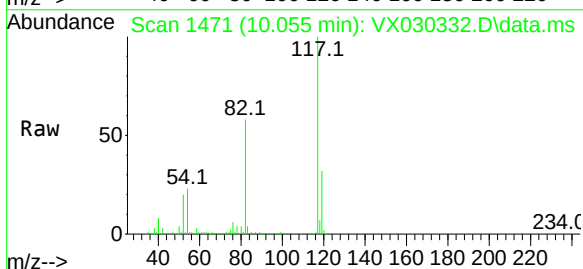
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

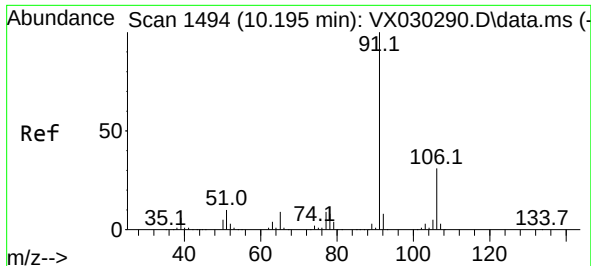
Tgt Ion: 95 Resp: 168202
Ion Ratio Lower Upper
95 100
174 71.9 0.0 149.0
176 68.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 117 Resp: 257842
Ion Ratio Lower Upper
117 100
82 57.6 42.7 64.1
119 32.1 25.4 38.2

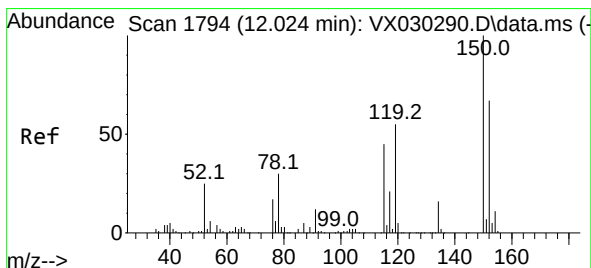
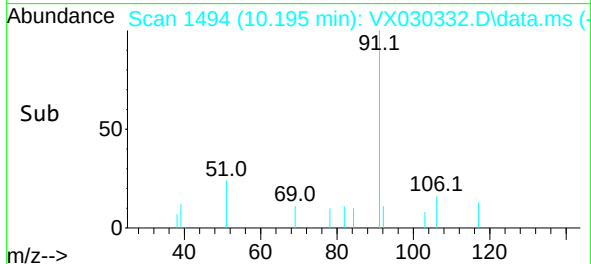
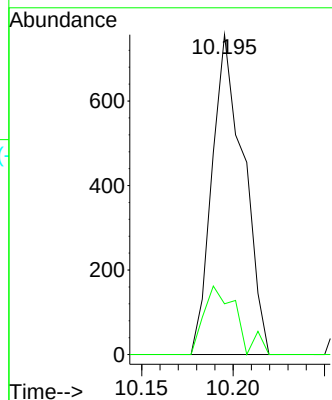
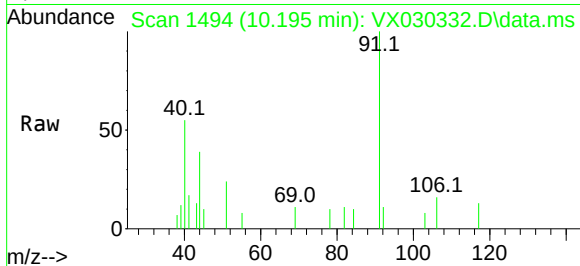




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

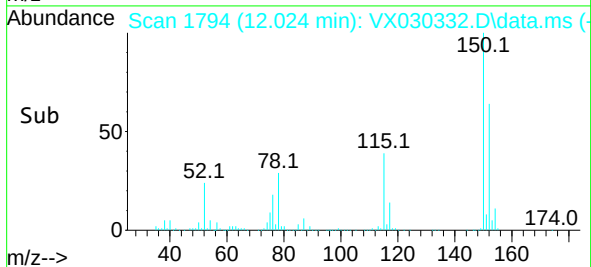
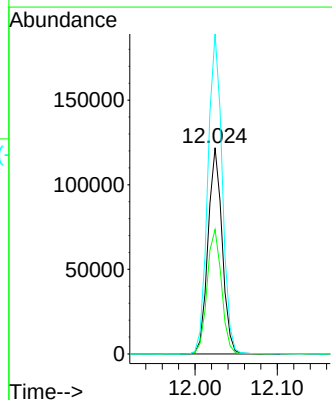
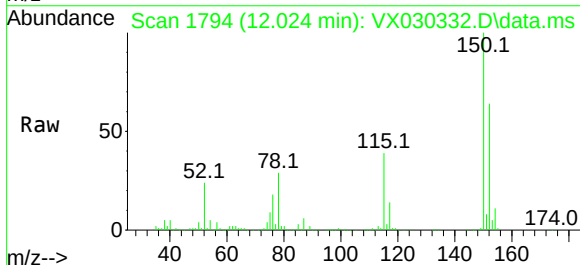
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

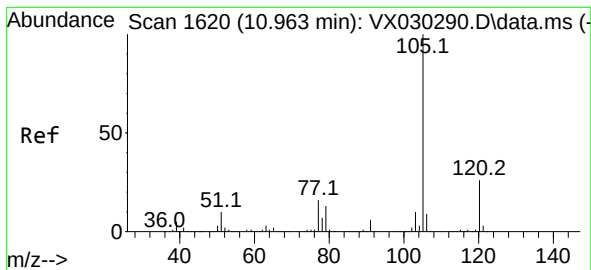
Tgt Ion: 91 Resp: 909
Ion Ratio Lower Upper
91 100
106 15.9 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion:152 Resp: 145233
Ion Ratio Lower Upper
152 100
115 61.7 40.5 121.5
150 158.3 0.0 347.0





#73

Isopropylbenzene

Concen: 0.260 ug/l

RT: 10.945 min Scan# 1

Delta R.T. -0.018 min

Lab File: VX030332.D

Acq: 01 Aug 2022 19:01

Instrument :

MSVOA_X

ClientSampleId :

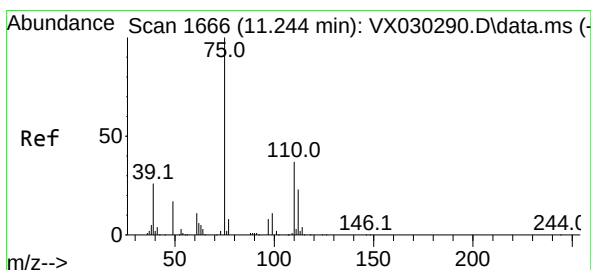
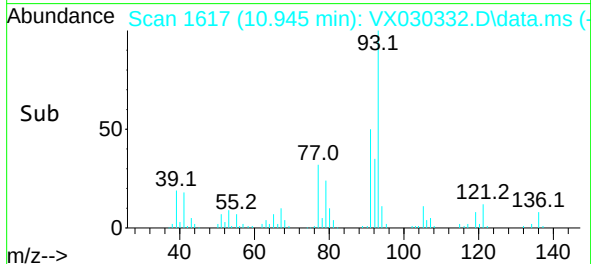
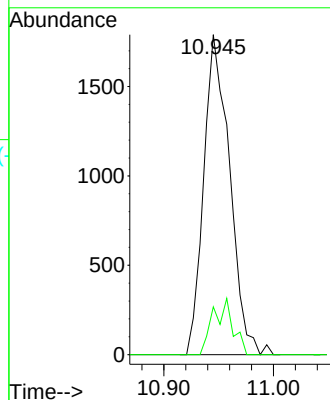
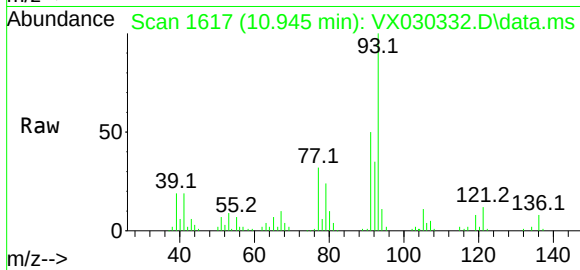
HMGP-WATER-2

Tgt Ion:105 Resp: 2947

Ion Ratio Lower Upper

105 100

120 13.4 13.5 40.4#



#76

1,2,3-Trichloropropane

Concen: 22.441 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030332.D

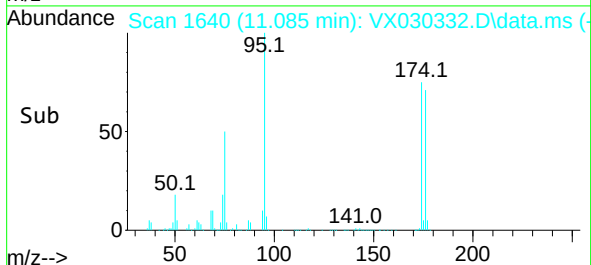
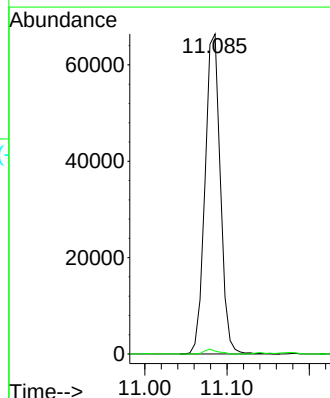
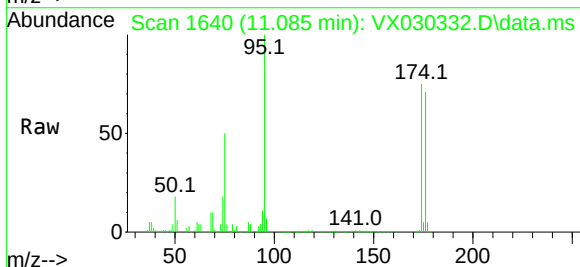
Acq: 01 Aug 2022 19:01

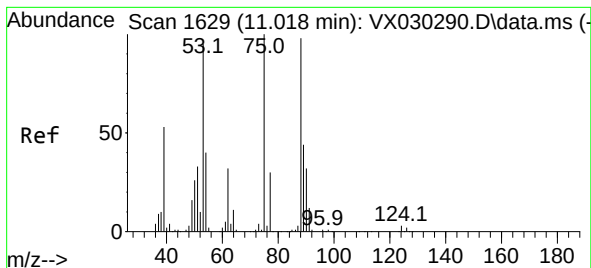
Tgt Ion: 75 Resp: 85911

Ion Ratio Lower Upper

75 100

77 1.3 19.8 59.3#

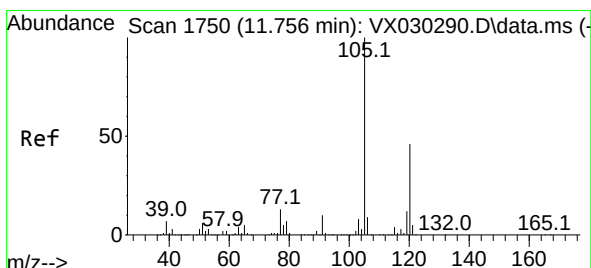
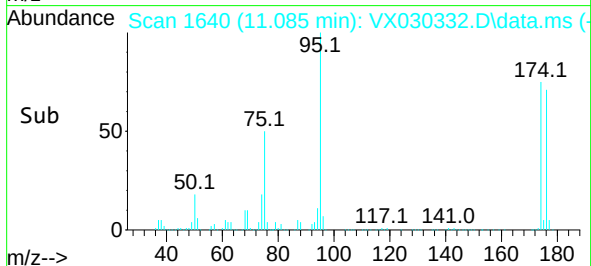
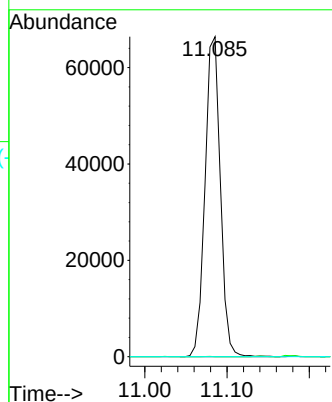
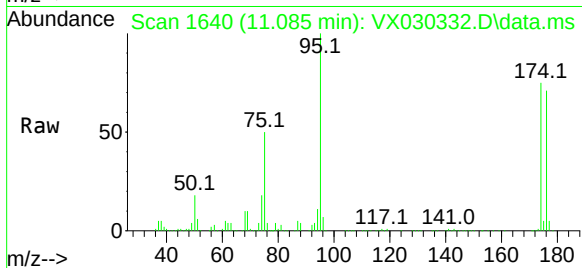




#81
trans-1,4-Dichloro-2-butene
Concen: 67.322 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

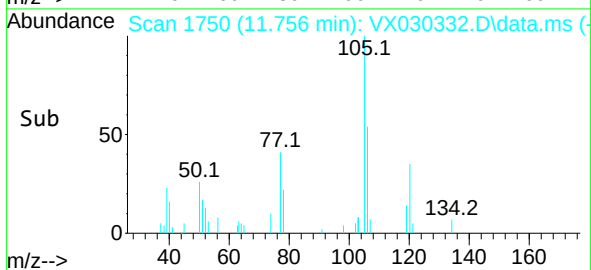
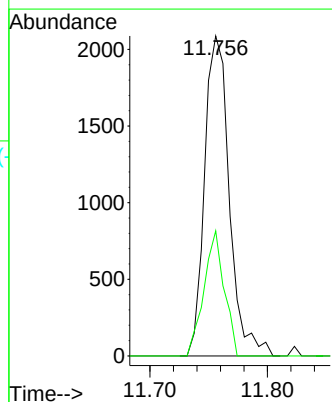
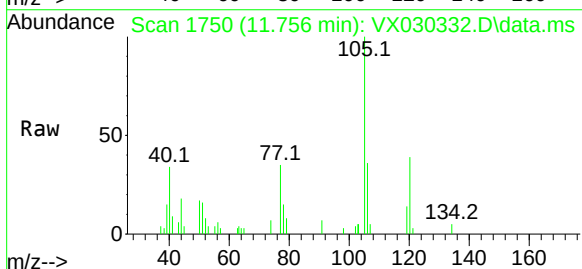
Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

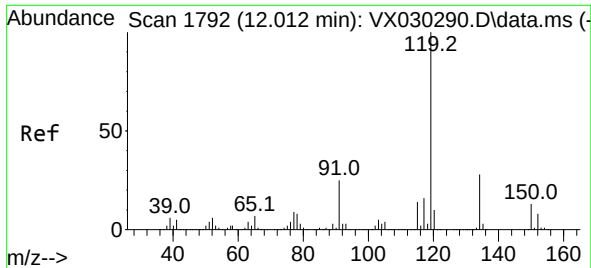
Tgt Ion: 75 Resp: 85911
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.322 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion: 105 Resp: 3048
Ion Ratio Lower Upper
105 100
120 32.0 22.9 68.8

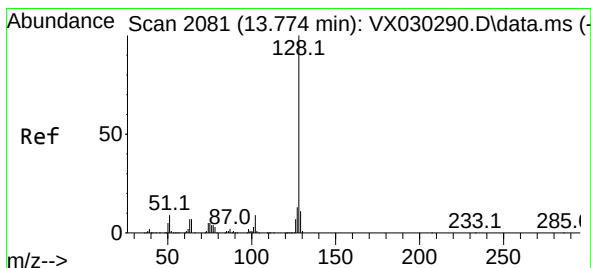
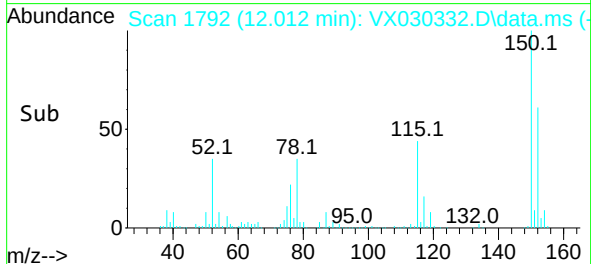
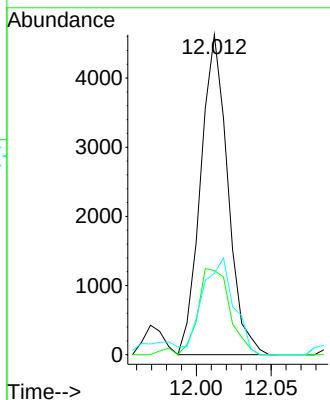
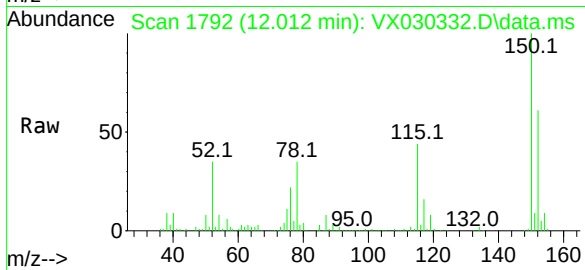




#86
p-Isopropyltoluene
Concen: 0.606 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Instrument :
MSVOA_X
ClientSampleId :
HMGP-WATER-2

Tgt Ion:	119	Resp:	5844
Ion	Ratio	Lower	Upper
119	100		
134	32.1	13.9	41.6
91	35.1	11.8	35.3



#95
Naphthalene
Concen: 6.519 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030332.D
Acq: 01 Aug 2022 19:01

Tgt Ion:	128	Resp:	75010
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.6	13.0

