

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035040.D
 Acq On : 12 Apr 2023 12:39
 Operator : JC/MD
 Sample : 02288-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUND-WATERDL

Quant Time: Apr 13 02:32:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

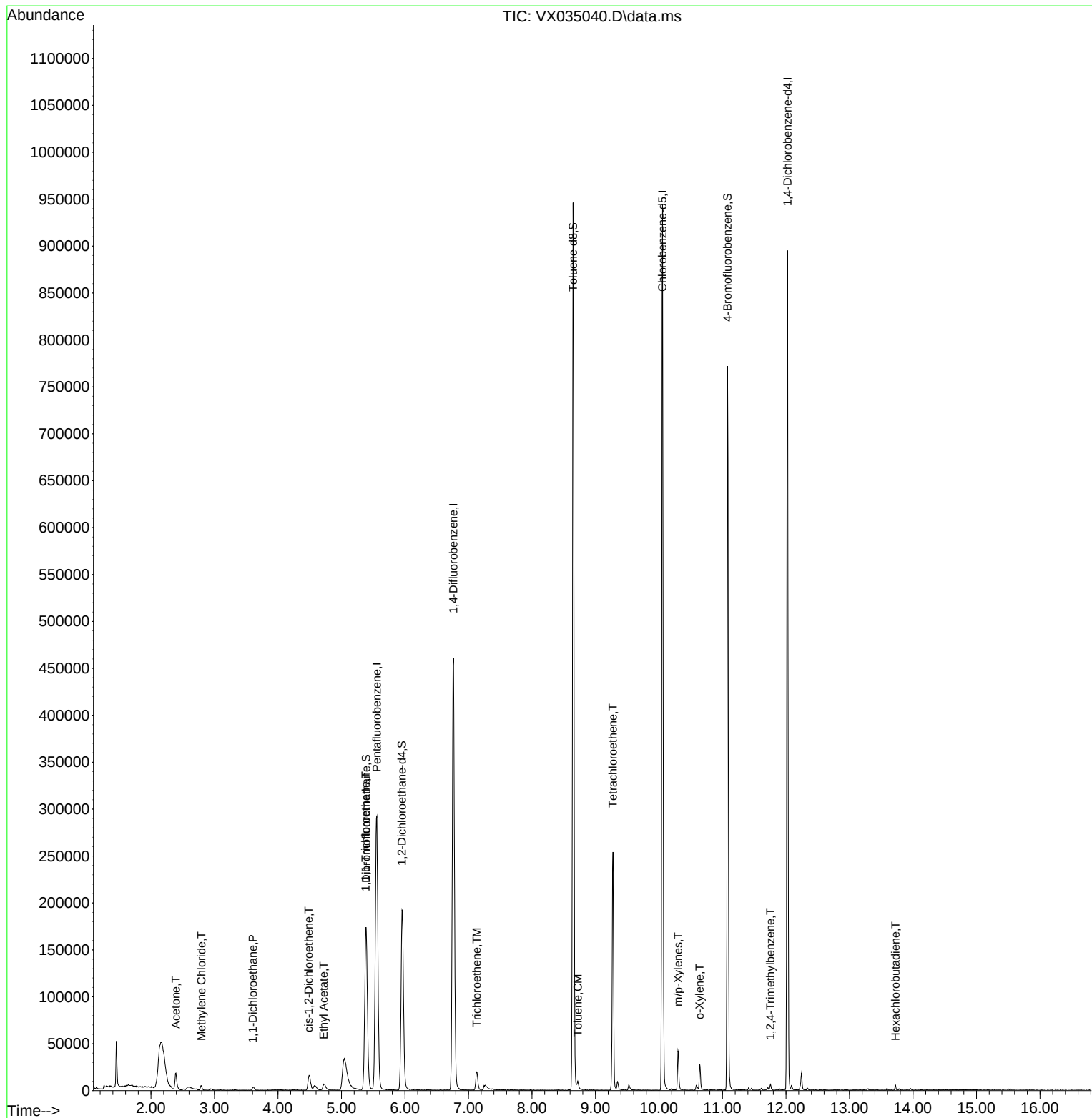
Internal Standards						
1) Pentafluorobenzene	5.556	168	270156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	462690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	189798	45.938	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.880%
35) Dibromofluoromethane	5.385	113	147663	48.251	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.500%
50) Toluene-d8	8.647	98	554409	49.081	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.079	95	209474	47.921	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	22192	13.222	ug/l	97
20) Methylene Chloride	2.794	84	2176	0.657	ug/l	93
24) 1,1-Dichloroethane	3.605	63	4146	0.703	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	10385	2.898	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	6610	1.293	ug/l #	51
37) Ethyl Acetate	4.721	43	14680	3.097	ug/l	99
44) Trichloroethene	7.129	130	7868	2.368	ug/l	99
52) Toluene	8.720	92	2795	0.329	ug/l	98
64) Tetrachloroethene	9.275	164	46507	15.585	ug/l	97
68) m/p-Xylenes	10.299	106	9883	1.646	ug/l	99
69) o-Xylene	10.640	106	5851	0.995	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	2844	0.243	ug/l	100
94) Hexachlorobutadiene	13.725	225	621	0.401	ug/l	70

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
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MSVOA_X
ClientSampleId :
GROUND-WATERDL

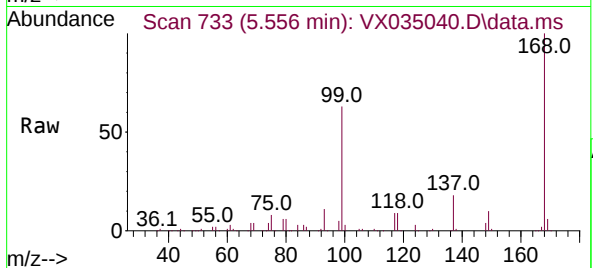
Quant Time: Apr 13 02:32:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration



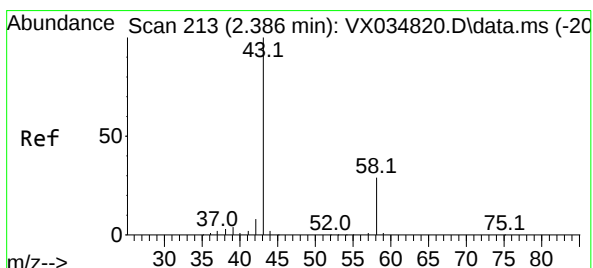
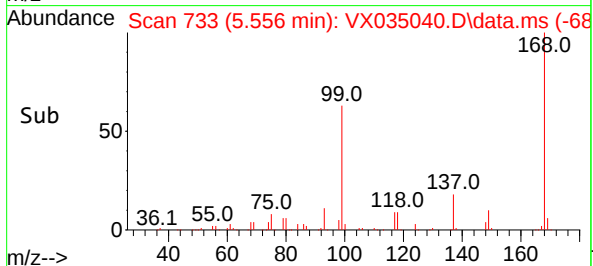
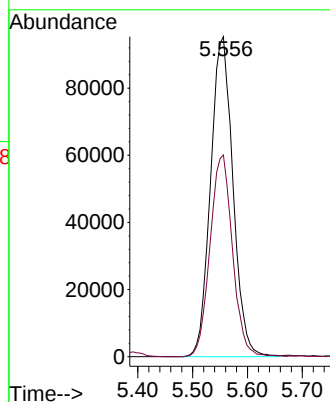


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

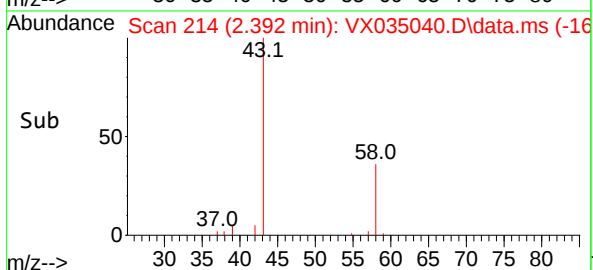
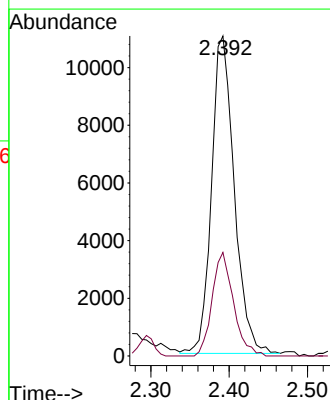
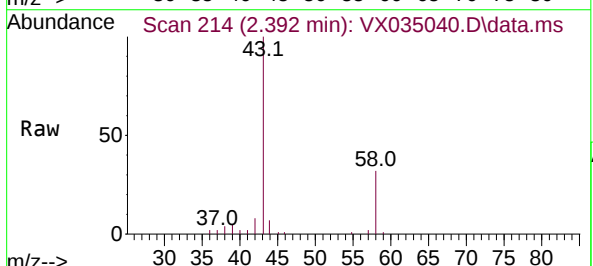


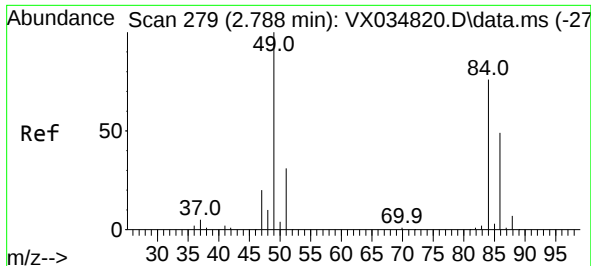
Tgt Ion:168 Resp: 270156
Ion Ratio Lower Upper
168 100
99 63.1 45.7 68.5



#16
Acetone
Concen: 13.222 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 43 Resp: 22192
Ion Ratio Lower Upper
43 100
58 32.6 24.7 37.1

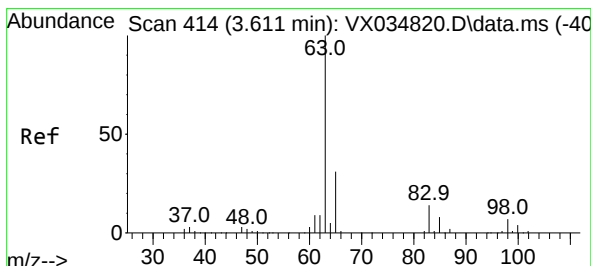
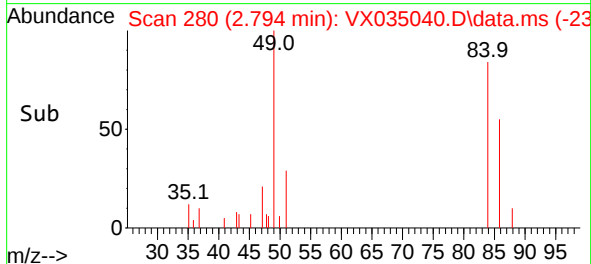
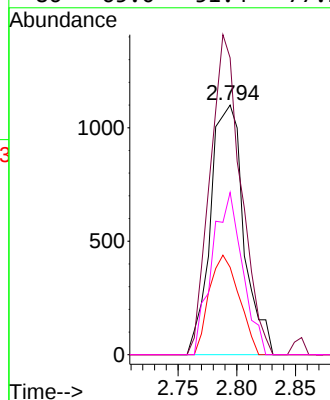
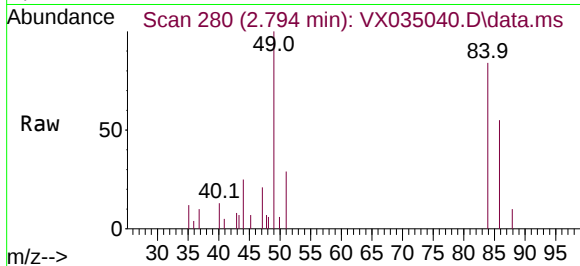




#20
Methylene Chloride
Concen: 0.657 ug/l
RT: 2.794 min Scan# 2176
Delta R.T. 0.006 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

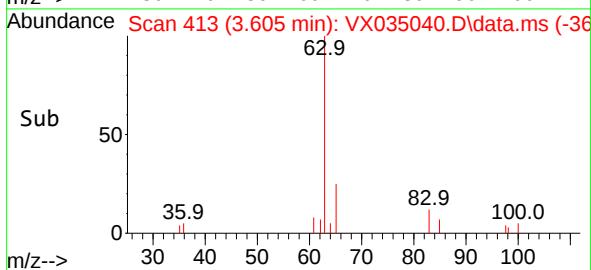
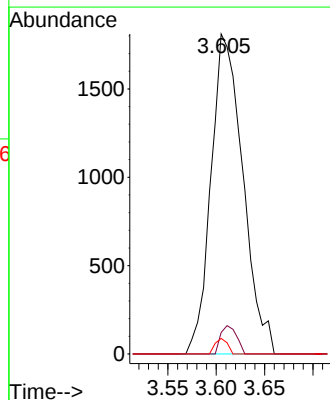
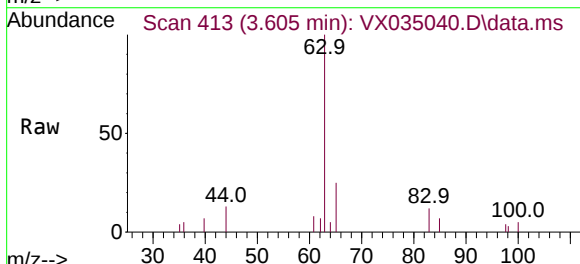
Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

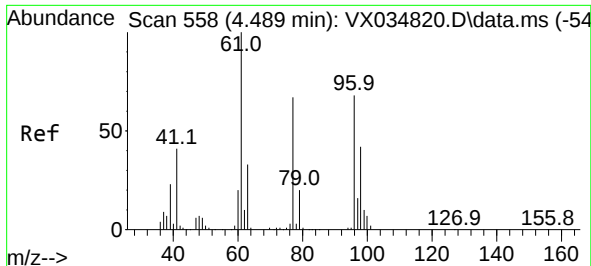
Tgt Ion:	84	Resp:	2176
Ion	Ratio	Lower	Upper
84	100		
49	118.9	103.8	155.8
51	35.0	31.8	47.8
86	65.0	51.4	77.2



#24
1,1-Dichloroethane
Concen: 0.703 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion:	63	Resp:	4146
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.9	2.4	7.1





#27

cis-1,2-Dichloroethene

Concen: 2.898 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX035040.D

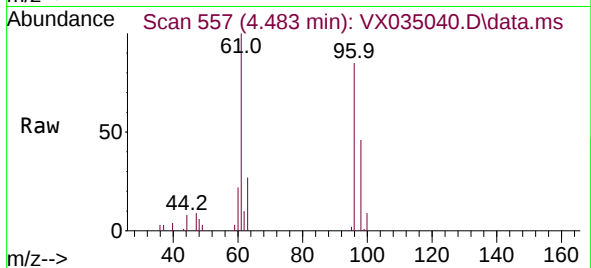
Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

GROUND-WATERDL



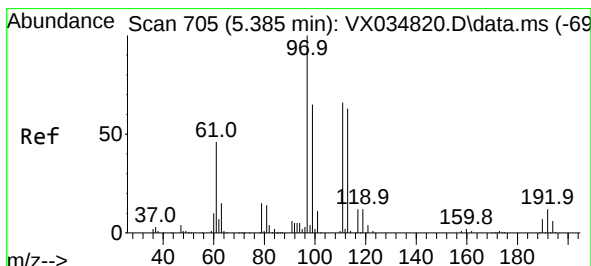
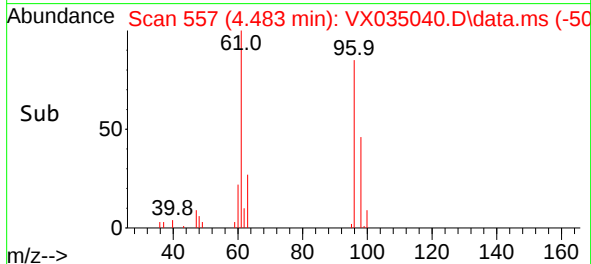
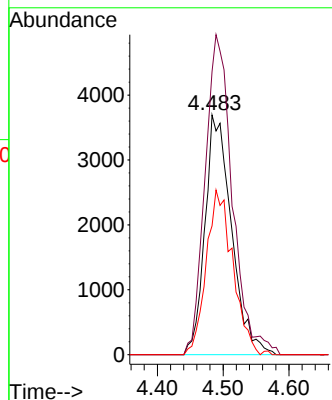
Tgt Ion: 96 Resp: 10385

Ion Ratio Lower Upper

96 100

61 137.2 0.0 300.4

98 68.3 0.0 129.0



#32

1,1,1-Trichloroethane

Concen: 1.293 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX035040.D

Acq: 12 Apr 2023 12:39

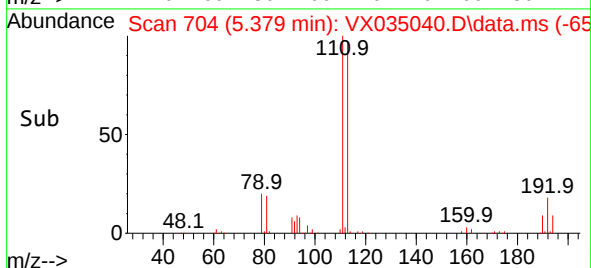
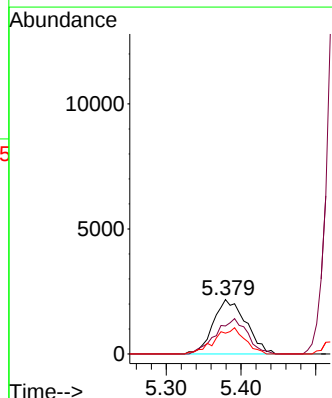
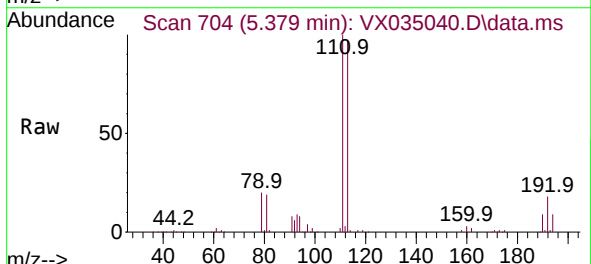
Tgt Ion: 97 Resp: 6610

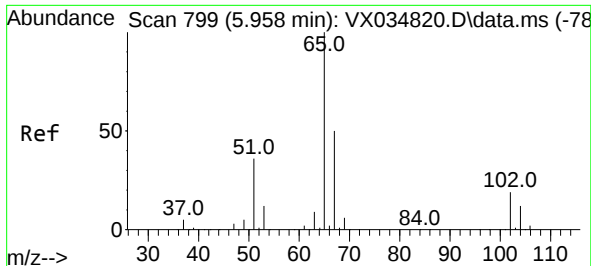
Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 44.2 36.5 54.7

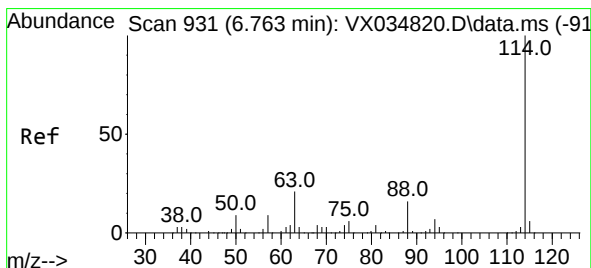
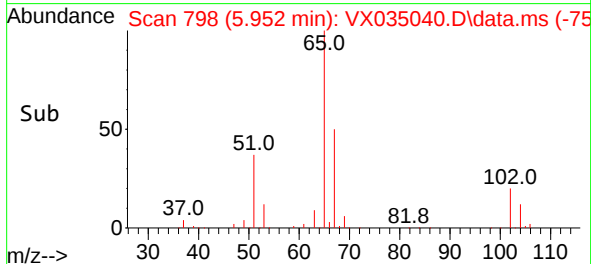
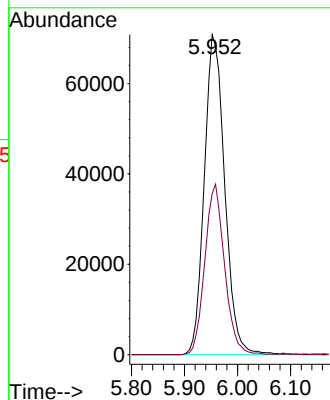
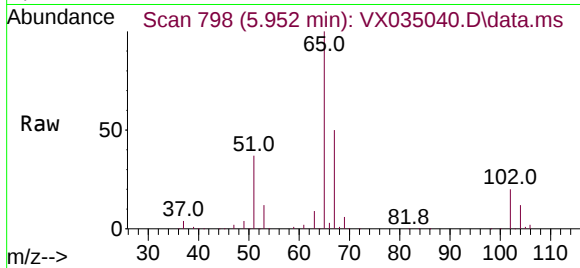




#33
 1,2-Dichloroethane-d4
 Concen: 45.938 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX035040.D
 Acq: 12 Apr 2023 12:39

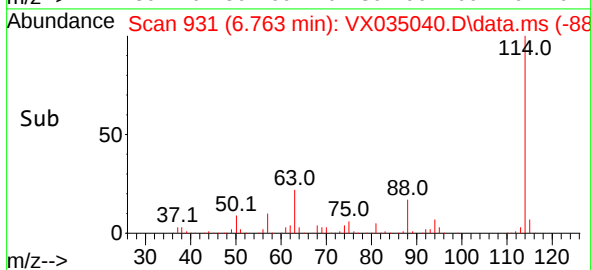
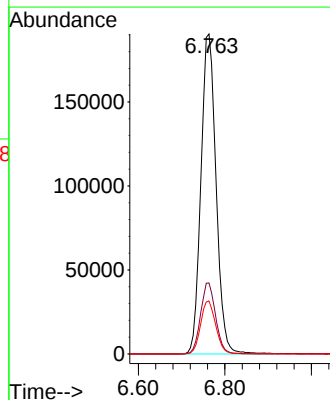
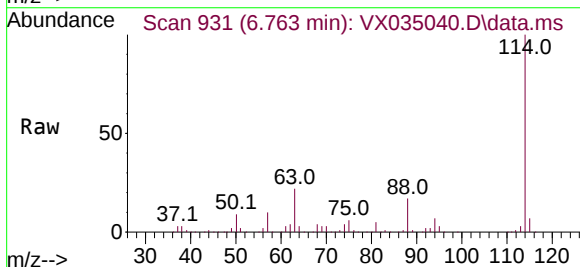
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUND-WATERDL

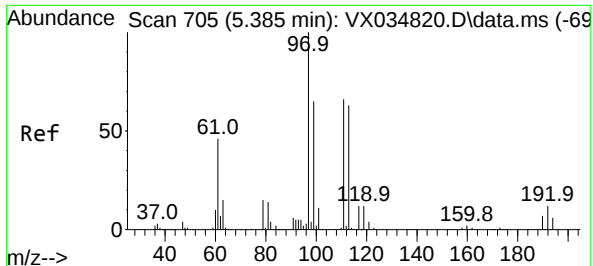
Tgt Ion: 65 Resp: 189798
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX035040.D
 Acq: 12 Apr 2023 12:39

Tgt Ion: 114 Resp: 462690
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.2
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.251 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035040.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

GROUND-WATERDL

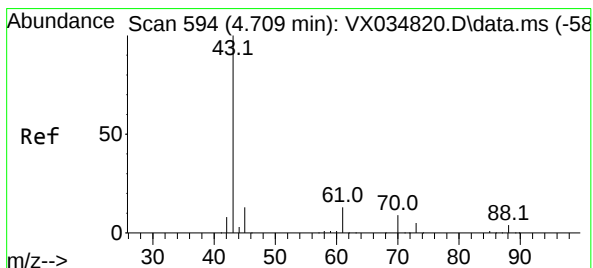
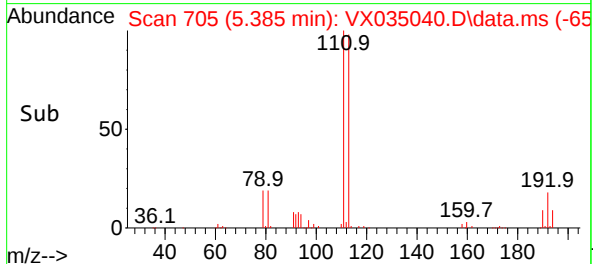
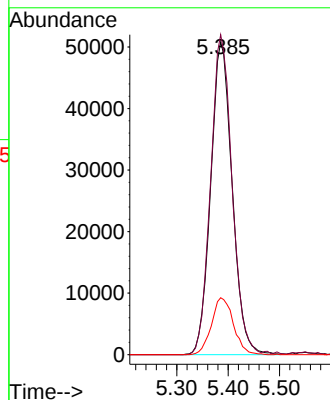
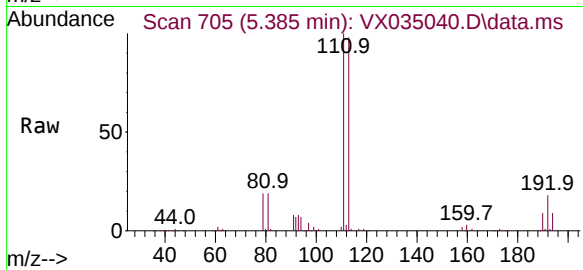
Tgt Ion:113 Resp: 147663

Ion Ratio Lower Upper

113 100

111 102.0 83.7 125.5

192 18.6 15.4 23.2



#37

Ethyl Acetate

Concen: 3.097 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX035040.D

Acq: 12 Apr 2023 12:39

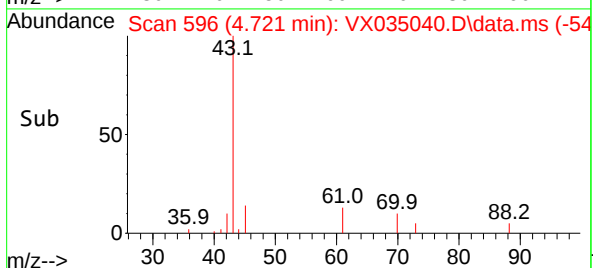
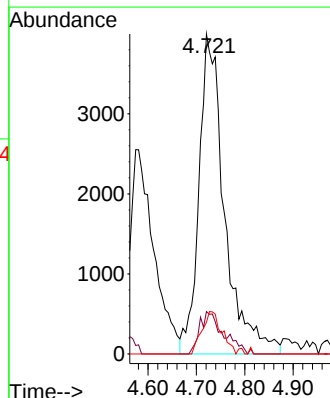
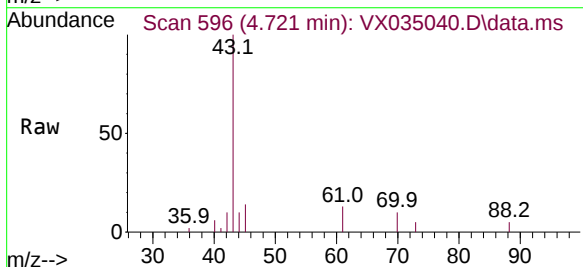
Tgt Ion: 43 Resp: 14680

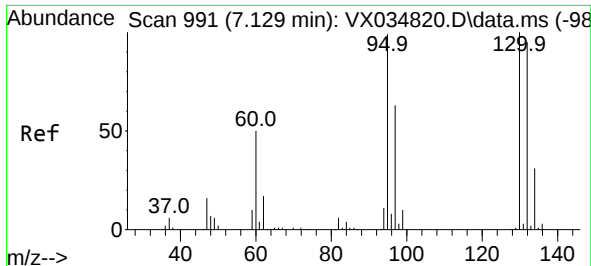
Ion Ratio Lower Upper

43 100

61 12.2 10.2 15.4

70 10.1 8.2 12.4

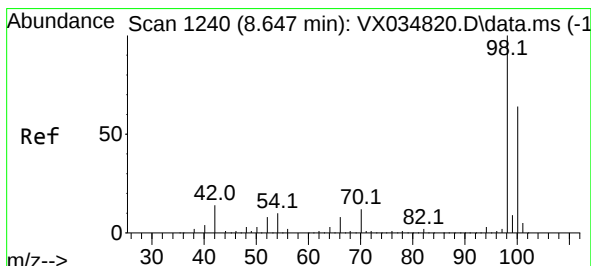
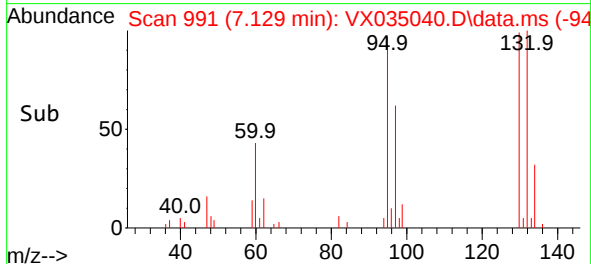
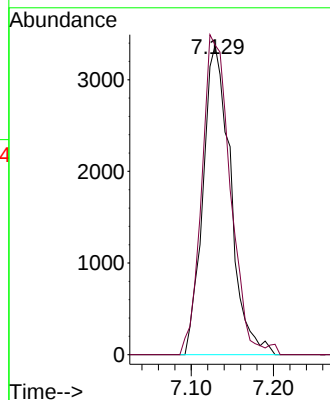
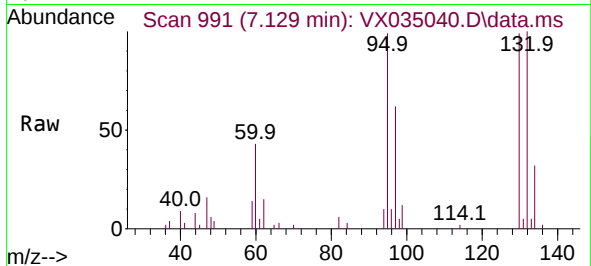




#44
Trichloroethene
Concen: 2.368 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

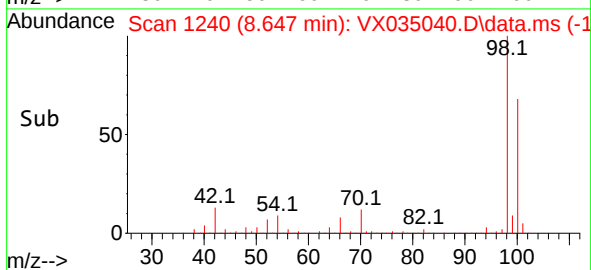
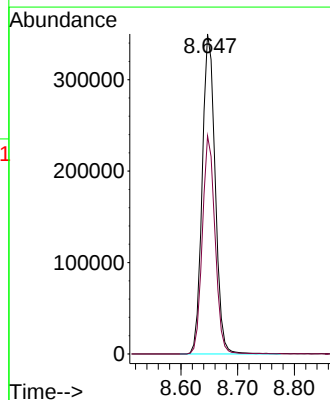
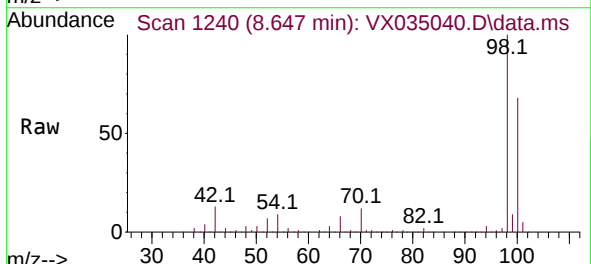
Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

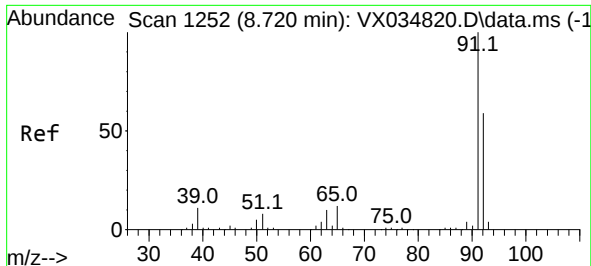
Tgt Ion:130 Resp: 7868
Ion Ratio Lower Upper
130 100
95 100.1 0.0 198.4



#50
Toluene-d8
Concen: 49.081 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 98 Resp: 554409
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7

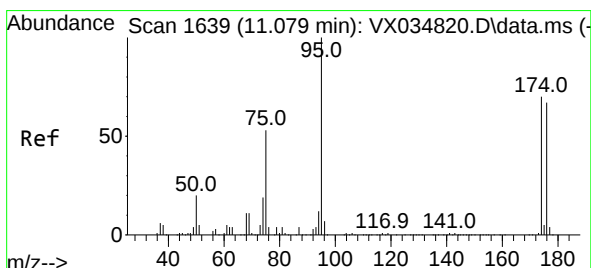
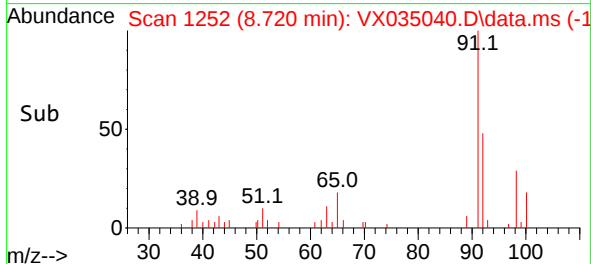
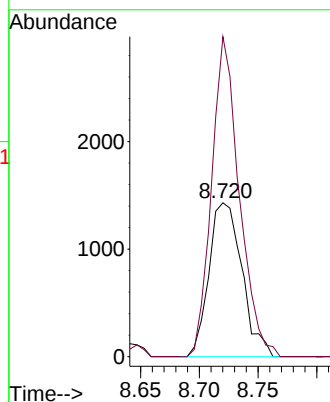
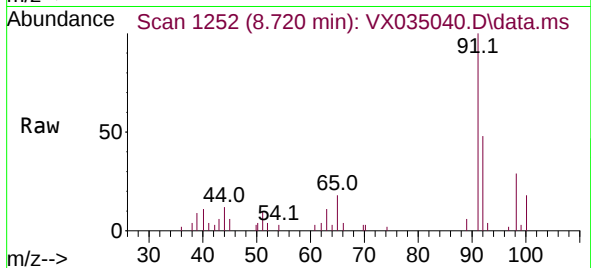




#52
Toluene
Concen: 0.329 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

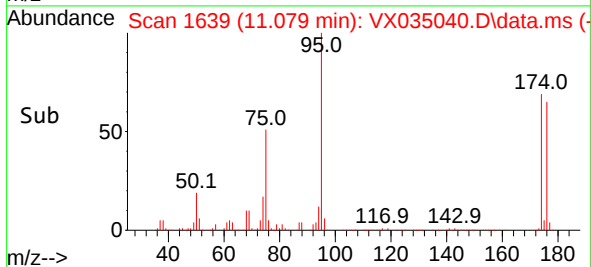
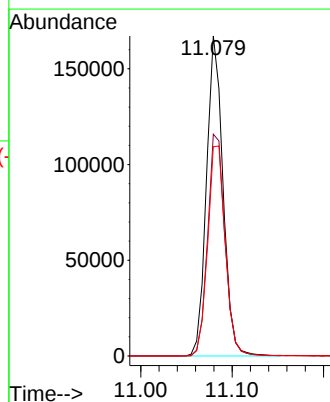
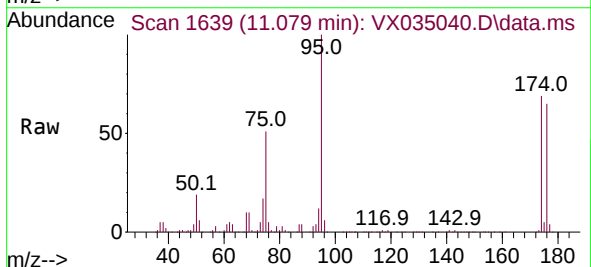
Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

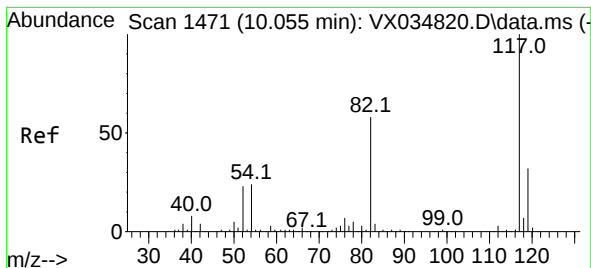
Tgt Ion: 92 Resp: 2795
Ion Ratio Lower Upper
92 100
91 174.3 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 47.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion: 95 Resp: 209474
Ion Ratio Lower Upper
95 100
174 72.6 0.0 147.4
176 70.1 0.0 140.6

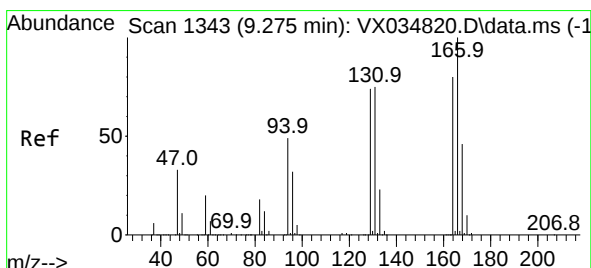
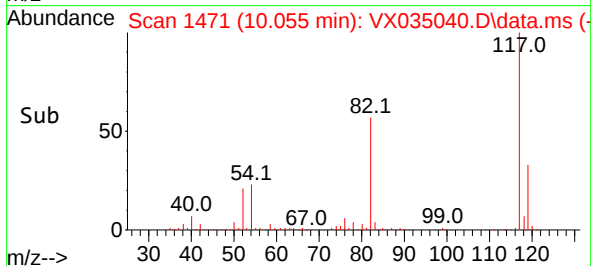
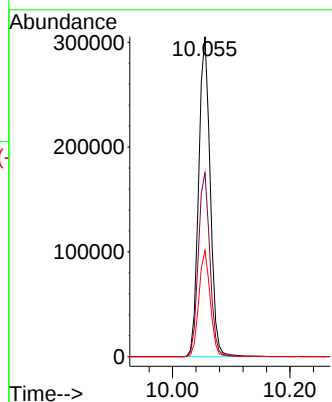
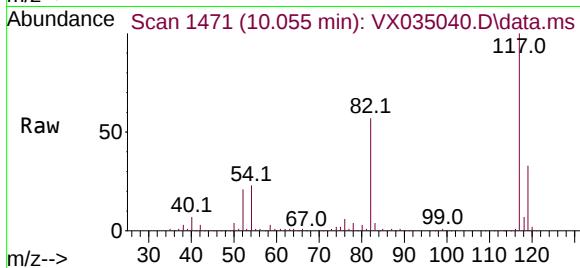




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

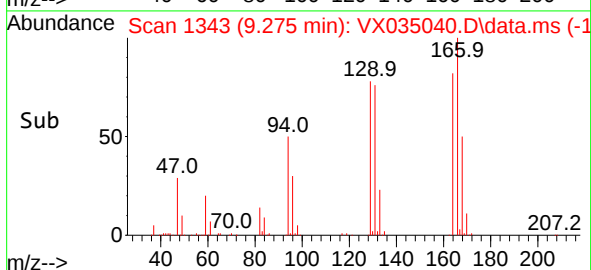
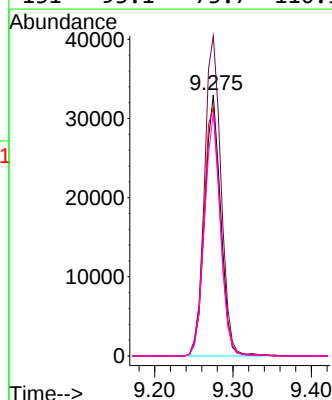
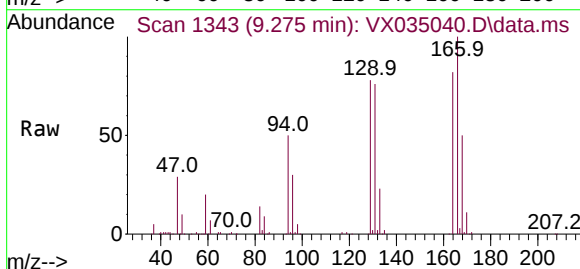
Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

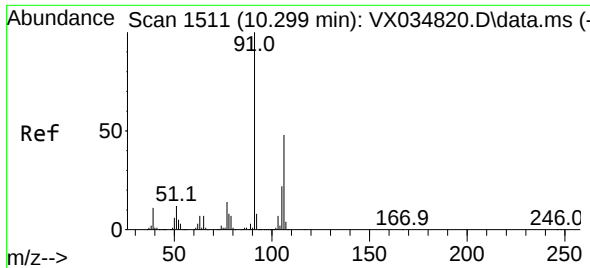
Tgt Ion:117 Resp: 416990
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 33.2 26.0 39.0



#64
Tetrachloroethene
Concen: 15.585 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion:164 Resp: 46507
Ion Ratio Lower Upper
164 100
166 122.6 102.7 154.1
129 95.2 75.6 113.4
131 93.1 73.7 110.5

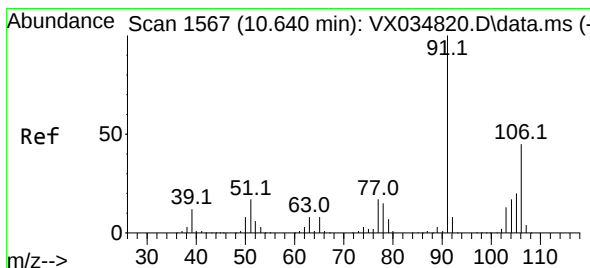
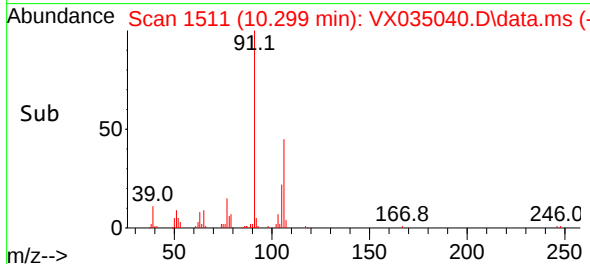
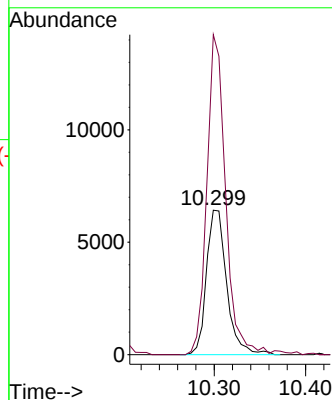
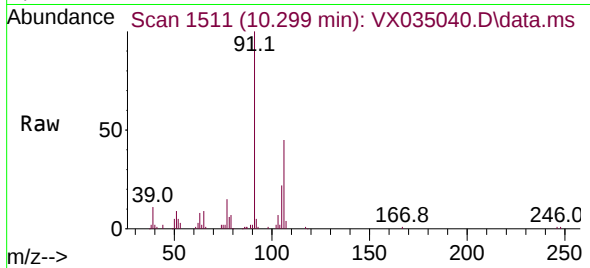




#68
m/p-Xylenes
Concen: 1.646 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

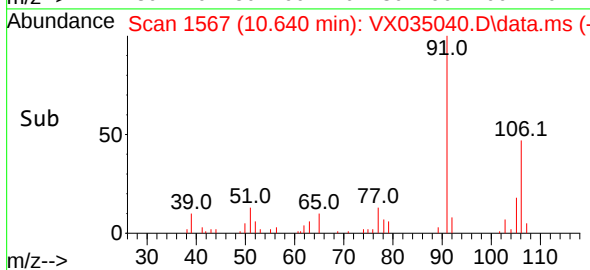
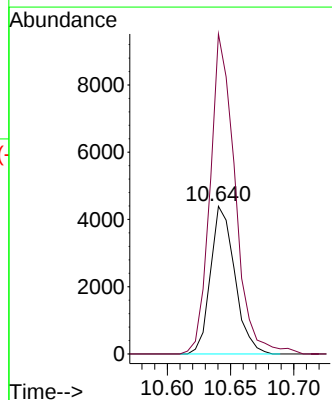
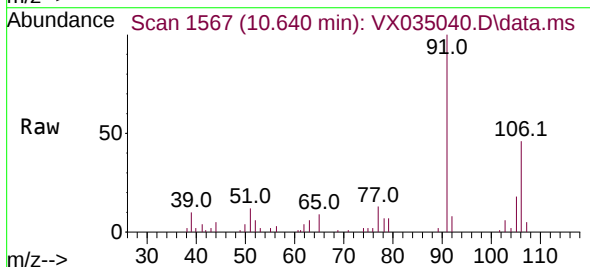
Instrument :
MSVOA_X
ClientSampleId :
GROUND-WATERDL

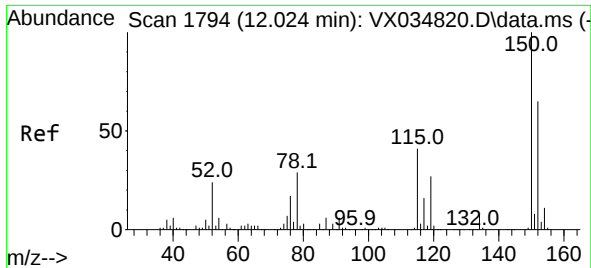
Tgt Ion:106 Resp: 9883
Ion Ratio Lower Upper
106 100
91 206.7 164.0 246.0



#69
o-Xylene
Concen: 0.995 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035040.D
Acq: 12 Apr 2023 12:39

Tgt Ion:106 Resp: 5851
Ion Ratio Lower Upper
106 100
91 223.1 108.5 325.3

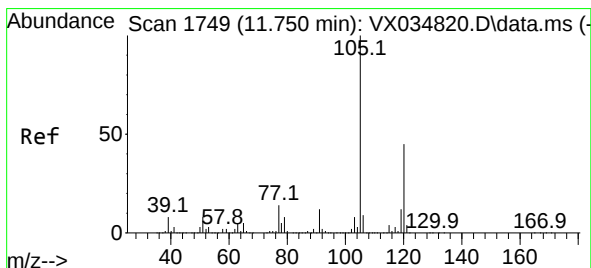
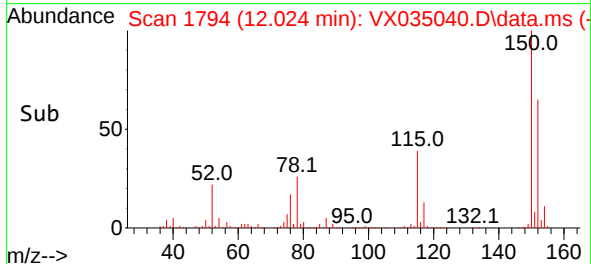
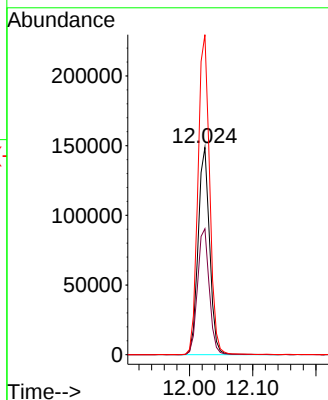
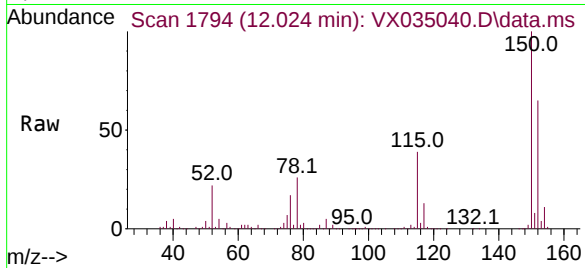




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035040.D
 Acq: 12 Apr 2023 12:39

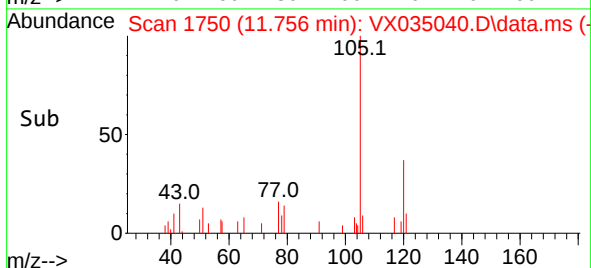
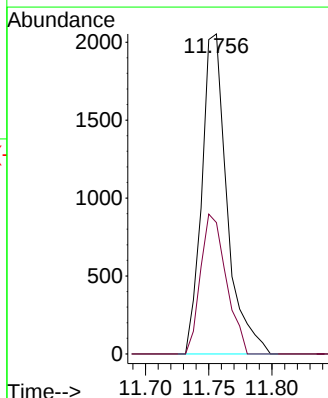
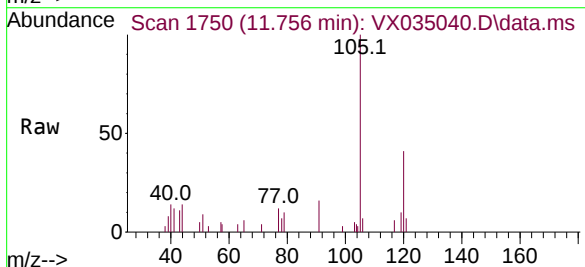
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUND-WATERDL

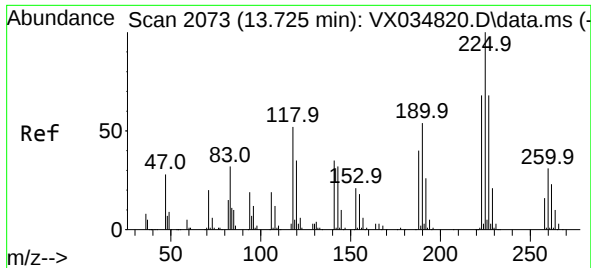
Tgt Ion:152 Resp: 187975
 Ion Ratio Lower Upper
 152 100
 115 62.1 45.0 135.0
 150 157.0 0.0 352.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.243 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX035040.D
 Acq: 12 Apr 2023 12:39

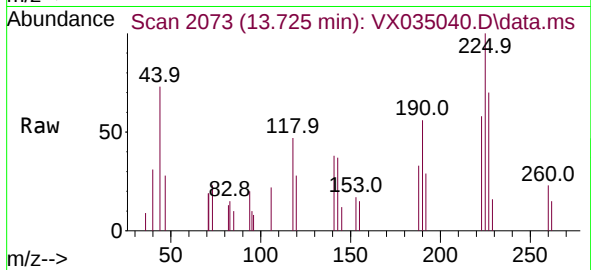
Tgt Ion:105 Resp: 2844
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





#94
 Hexachlorobutadiene
 Concen: 0.401 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX035040.D
 Acq: 12 Apr 2023 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUND-WATERDL



Tgt Ion:	225	Resp:	621
Ion	Ratio	Lower	Upper
225	100		
223	80.0	32.1	96.5
227	94.5	31.8	95.4

