

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
 Data File : VX037494.D
 Acq On : 02 Sep 2023 19:38
 Operator : JC/MD
 Sample : 04256-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Groundwater

Quant Time: Sep 04 04:32:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

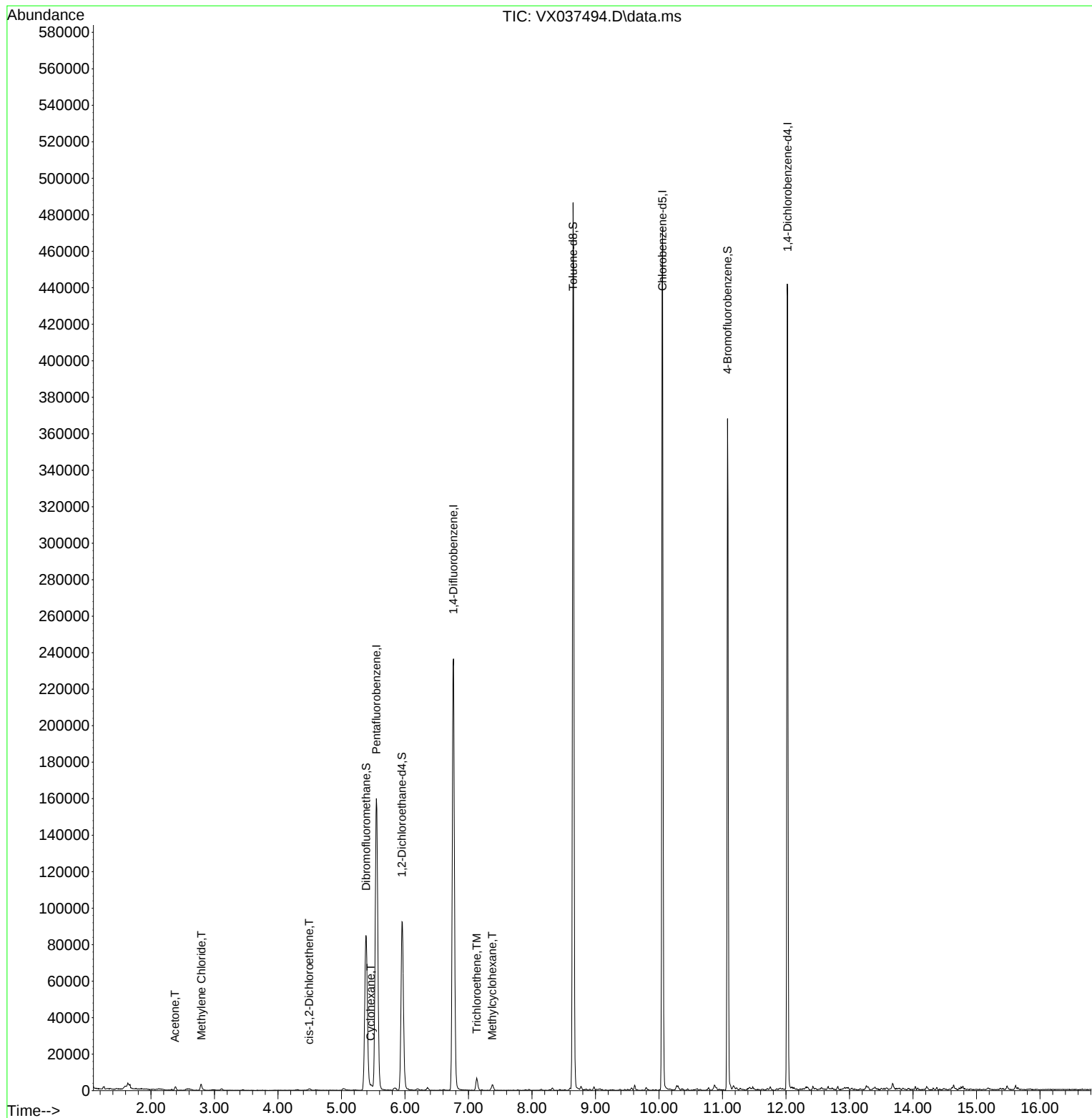
Internal Standards						
1) Pentafluorobenzene	5.550	168	154059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92135	41.483	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.960%
35) Dibromofluoromethane	5.385	113	77954	45.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	8.647	98	297323	47.932	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.860%
62) 4-Bromofluorobenzene	11.079	95	105391	43.234	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.460%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	2305	2.653	ug/l	95
20) Methylene Chloride	2.794	84	1910	0.983	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	742	0.349	ug/l	64
31) Cyclohexane	5.458	56	1560	0.625	ug/l	89
39) Methylcyclohexane	7.373	83	1552	0.608	ug/l	89
44) Trichloroethene	7.129	130	3066	1.552	ug/l	85

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

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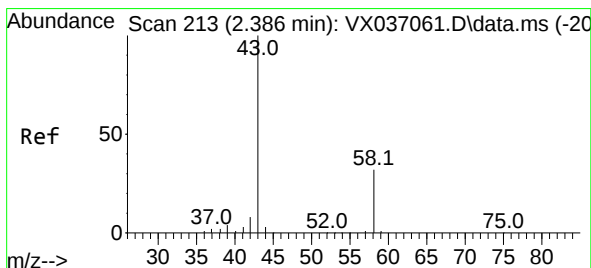
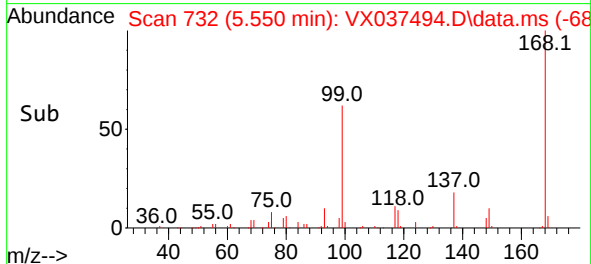
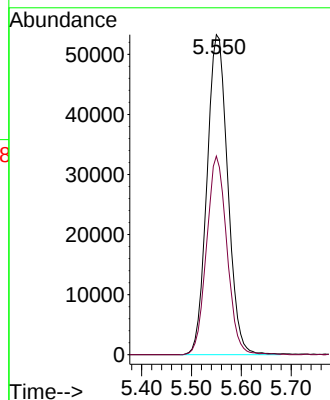
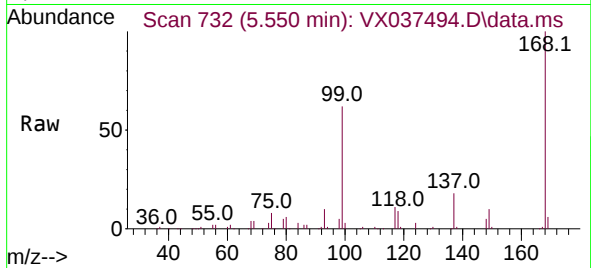




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

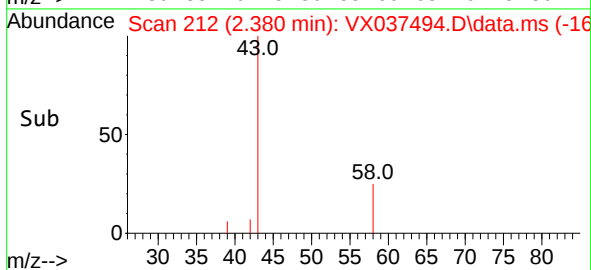
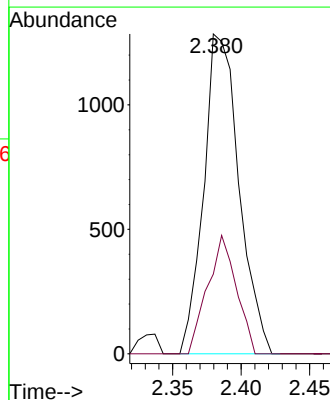
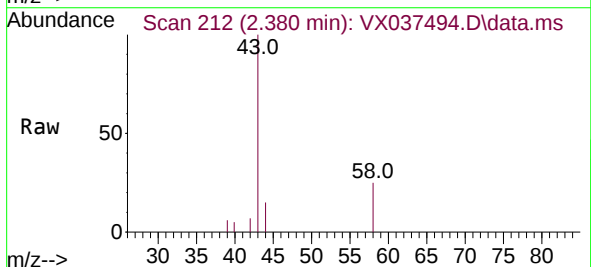
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

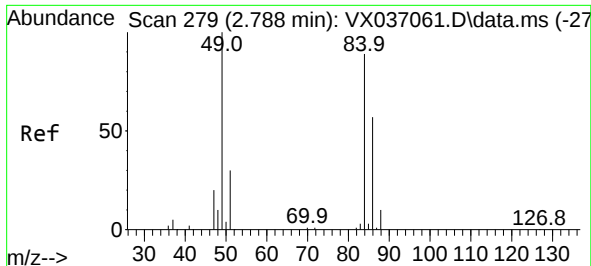
Tgt Ion:168 Resp: 154059
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#16
Acetone
Concen: 2.653 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 24.9 21.9 32.9

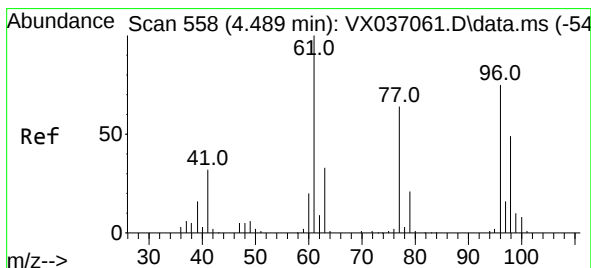
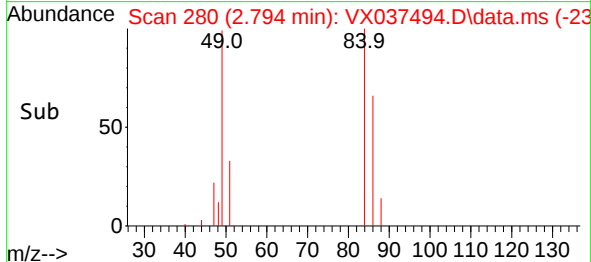
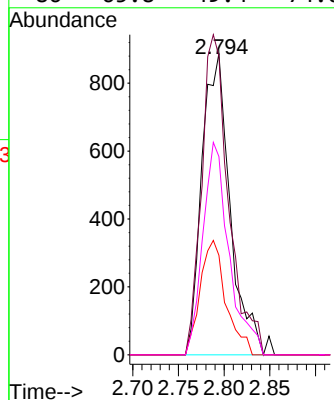
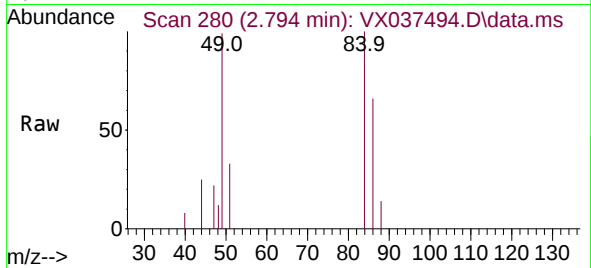




#20
Methylene Chloride
Concen: 0.983 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

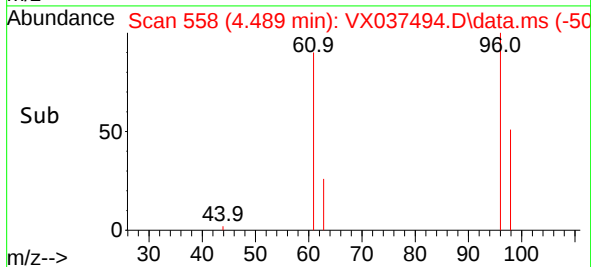
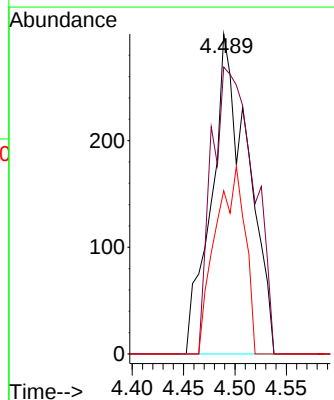
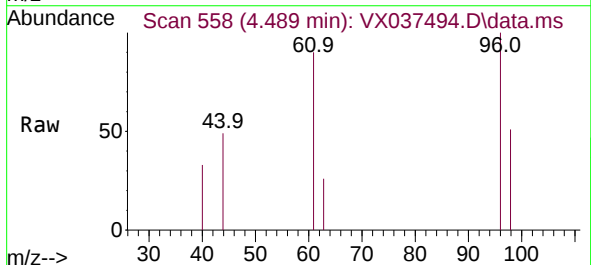
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

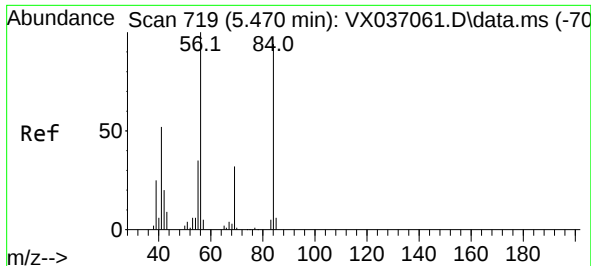
Tgt Ion: 84	Resp:	1910
Ion	Ratio	Lower Upper
84	100	
49	99.1	103.6 155.4#
51	33.0	33.8 50.6#
86	65.8	49.4 74.0



#27
cis-1,2-Dichloroethene
Concen: 0.349 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 96	Resp:	742
Ion	Ratio	Lower Upper
96	100	
61	102.4	0.0 312.2
98	47.4	0.0 129.0

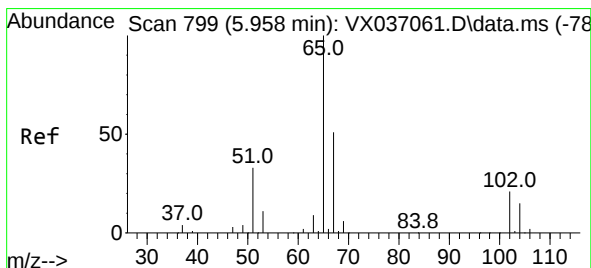
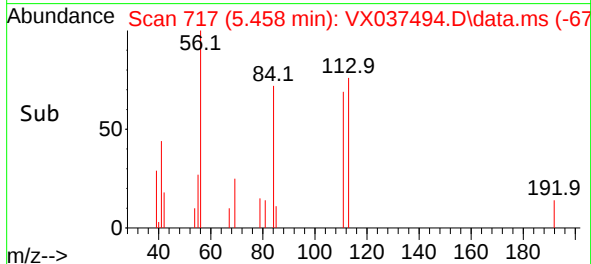
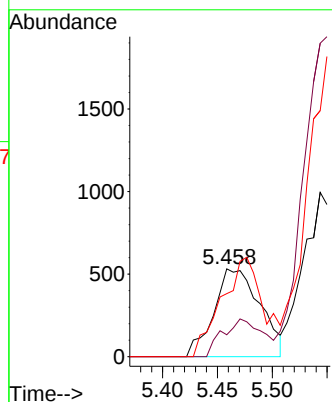
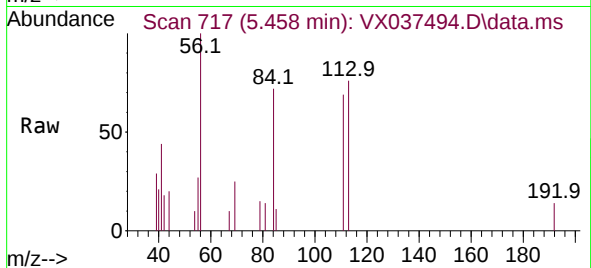




#31
Cyclohexane
Concen: 0.625 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.012 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

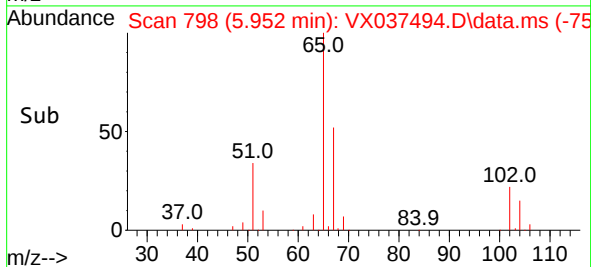
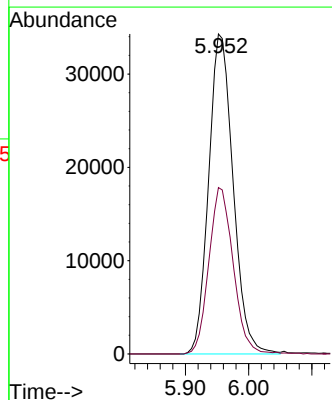
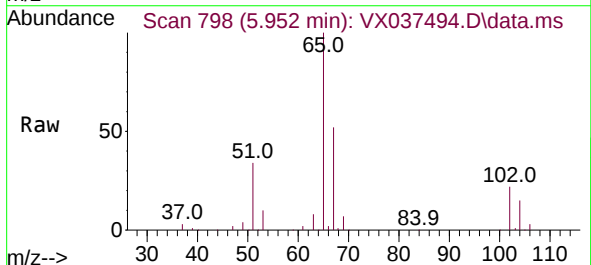
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

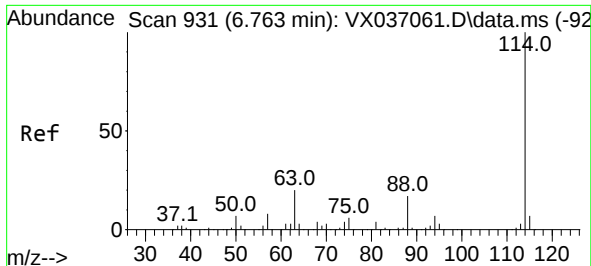
Tgt Ion: 56 Resp: 1560
Ion Ratio Lower Upper
56 100
69 25.0 23.4 35.2
84 71.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 41.483 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 65 Resp: 92135
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

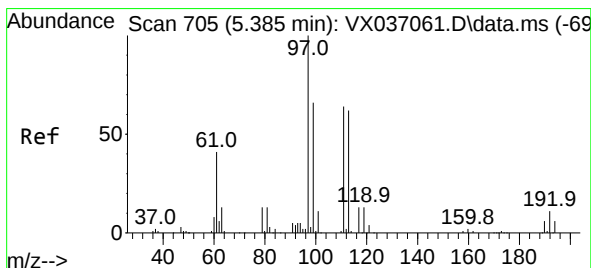
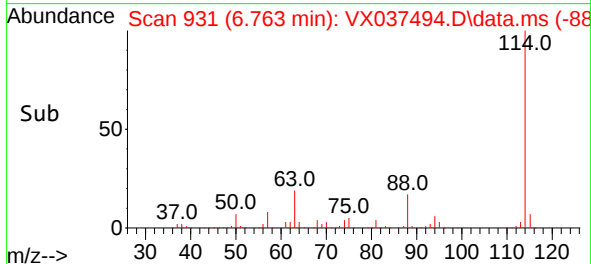
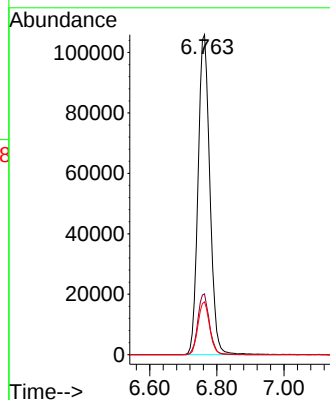
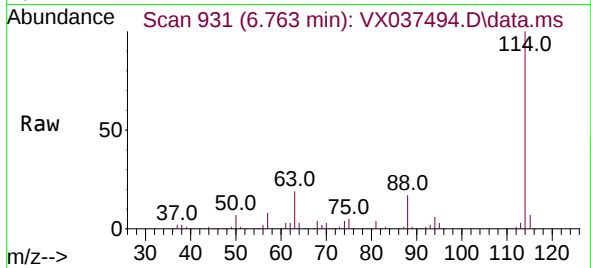




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

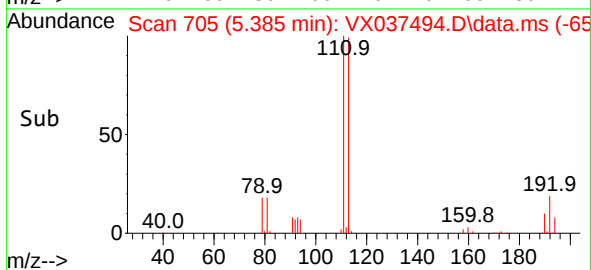
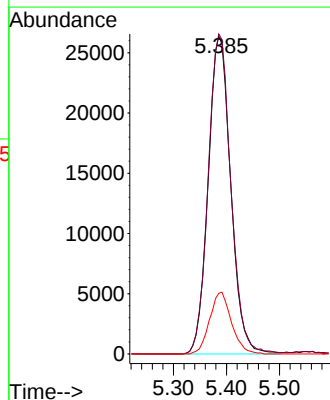
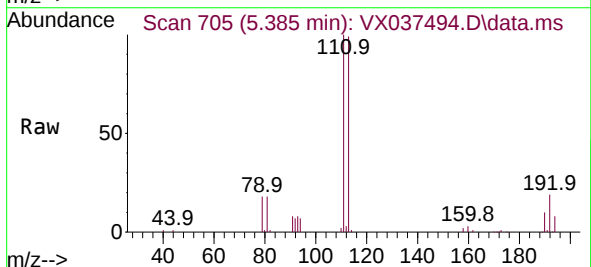
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

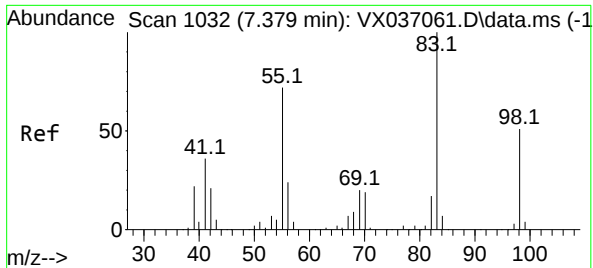
Tgt Ion:114 Resp: 258207
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.586 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion:113 Resp: 77954
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.8 13.3 19.9





#39

Methylcyclohexane

Concen: 0.608 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX037494.D

Acq: 02 Sep 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :

Groundwater

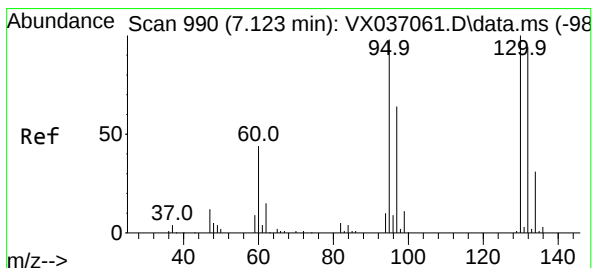
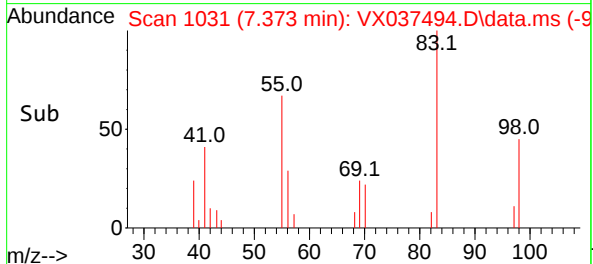
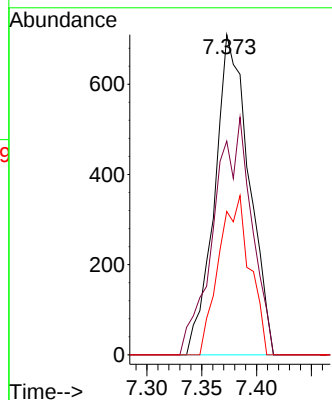
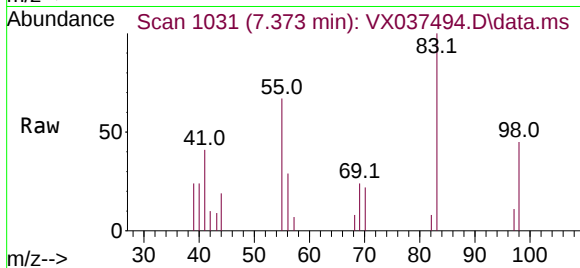
Tgt Ion: 83 Resp: 1552

Ion Ratio Lower Upper

83 100

55 66.8 64.6 97.0

98 44.8 36.7 55.1



#44

Trichloroethene

Concen: 1.552 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037494.D

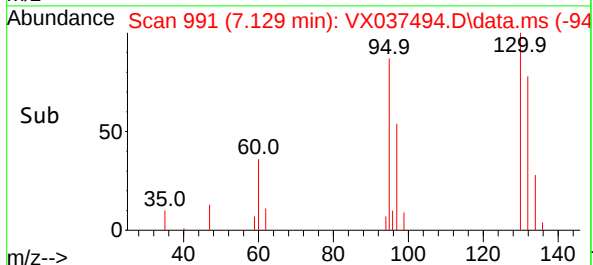
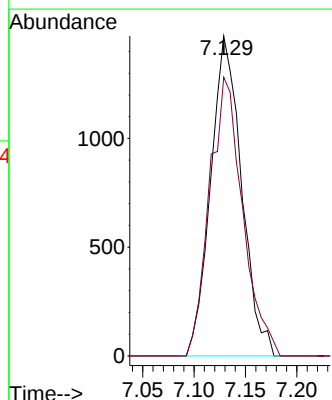
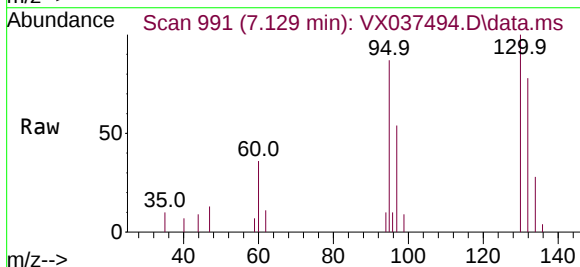
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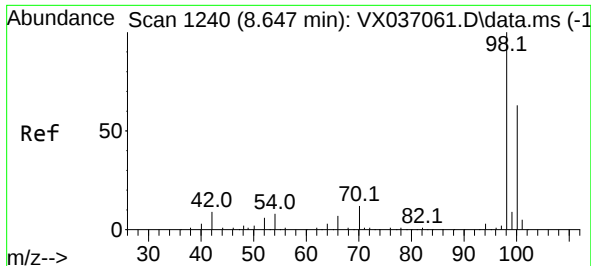
Tgt Ion:130 Resp: 3066

Ion Ratio Lower Upper

130 100

95 87.1 0.0 204.4

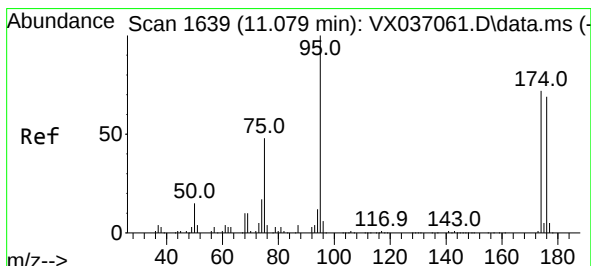
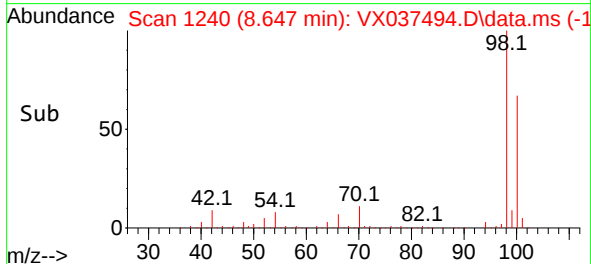
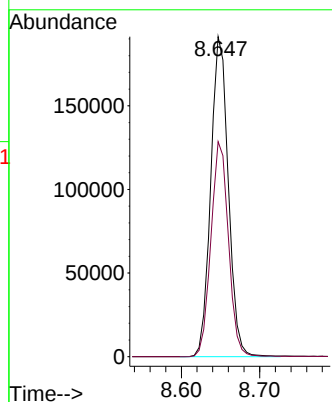
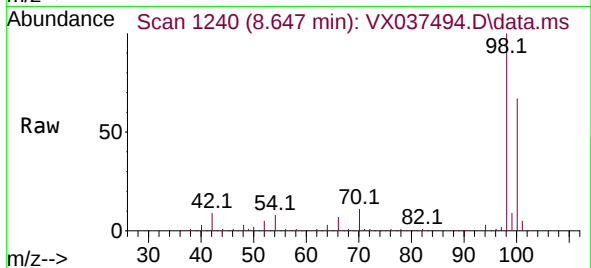




#50
Toluene-d8
Concen: 47.932 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

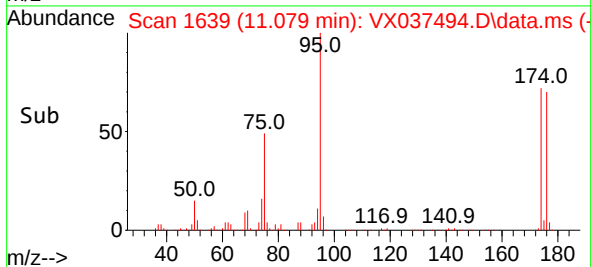
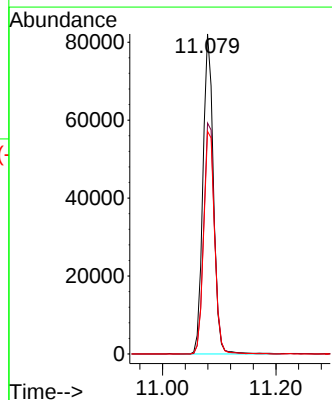
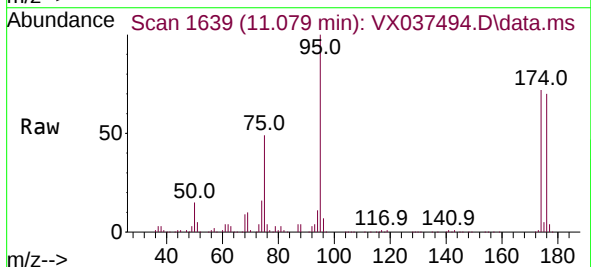
Instrument :
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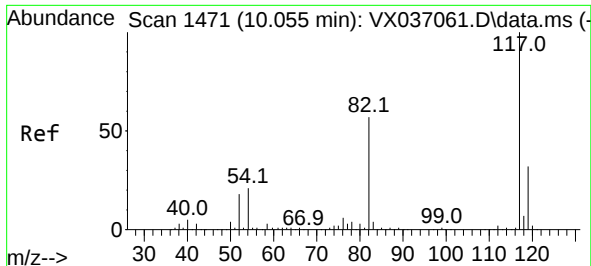
Tgt Ion: 98 Resp: 297323
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 43.234 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 95 Resp: 105391
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 72.5 0.0 131.0

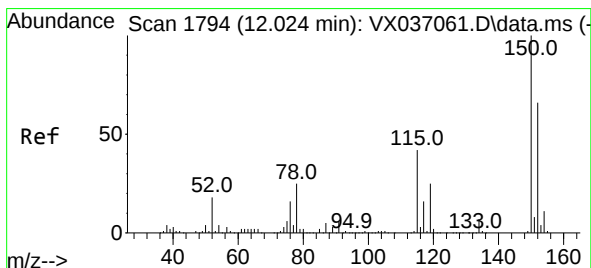
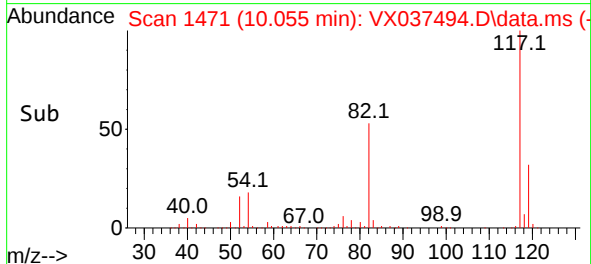
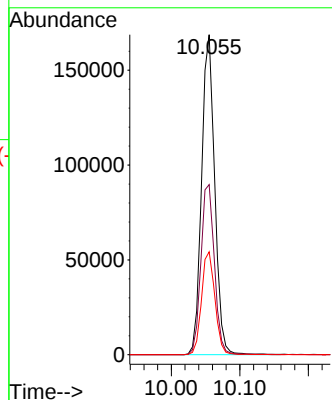
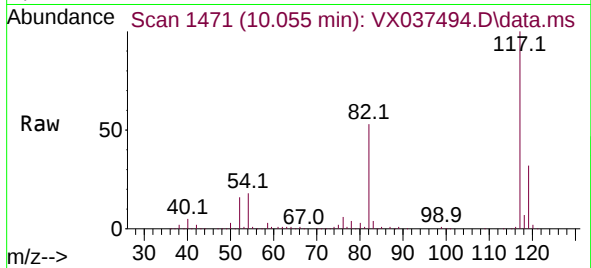




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :
Groundwater

Tgt Ion:117 Resp: 225258
Ion Ratio Lower Upper
117 100
82 53.2 46.2 69.4
119 32.1 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: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion:152 Resp: 96761
Ion Ratio Lower Upper
152 100
115 63.2 43.3 129.9
150 157.9 0.0 345.0

