

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)

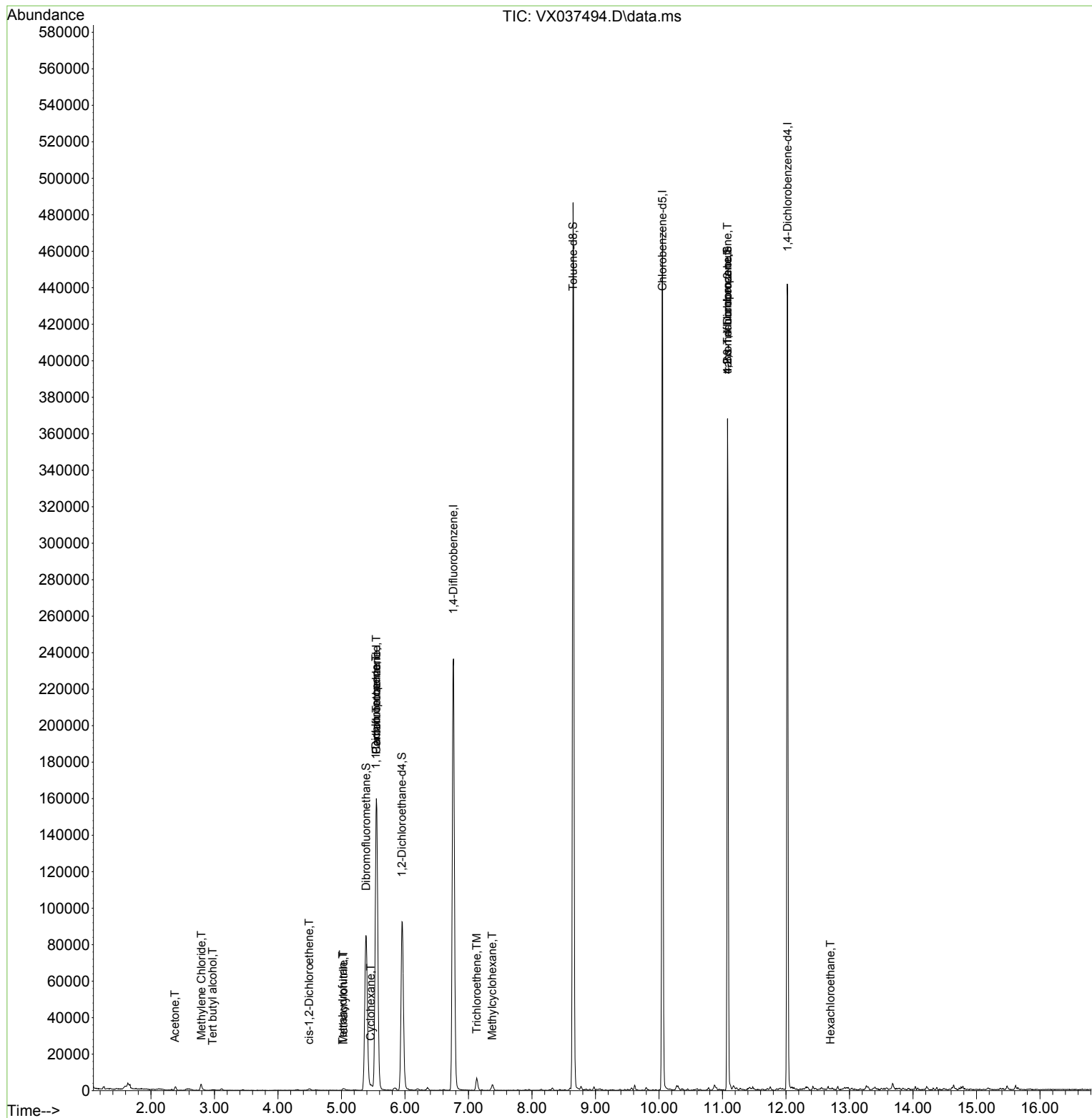
Internal Standards						
1) Pentafluorobenzene	5.550	168	154059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
11) Tert butyl alcohol	2.971	59	904	1.735	ug/l #	78
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
29) Tetrahydrofuran	5.019	42	947	1.135	ug/l	96
31) Cyclohexane	5.458	56	1560	0.625	ug/l	89
36) 1,1-Dichloropropene	5.544	75	11862	4.882	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15776	5.978	ug/l #	15
39) Methylcyclohexane	7.373	83	1552	0.608	ug/l	89
41) Methacrylonitrile	5.032	41	433	0.336	ug/l #	35
44) Trichloroethene	7.129	130	3066	1.552	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	50838	24.670	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	50838	68.906	ug/l #	5
90) Hexachloroethane	12.701	117	232	0.247	ug/l #	17

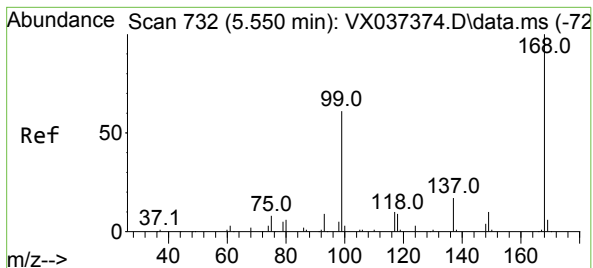
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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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 :

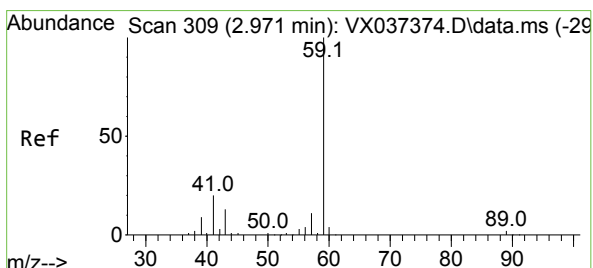
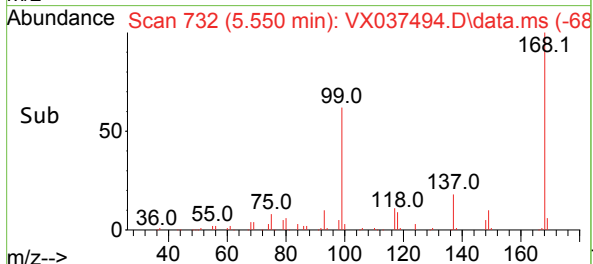
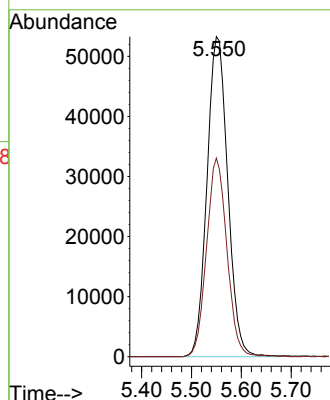
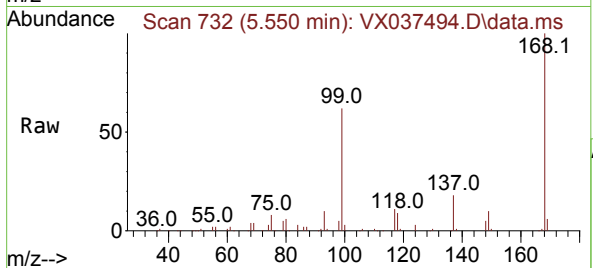
Groundwater

Tgt Ion:168 Resp: 154059

Ion Ratio Lower Upper

168 100

99 62.1 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.735 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037494.D

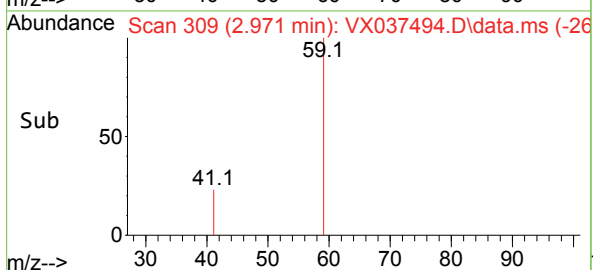
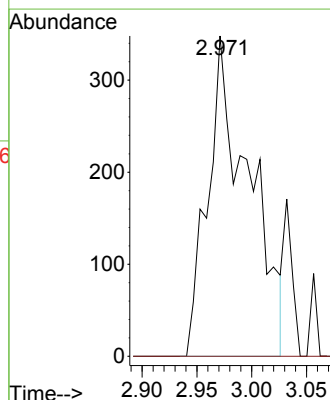
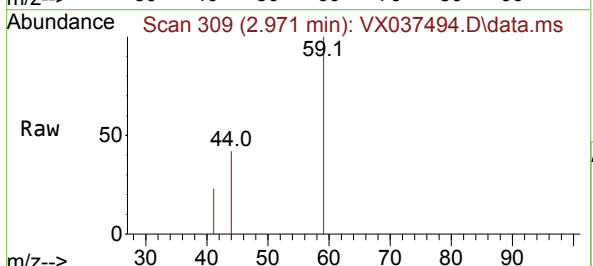
Acq: 02 Sep 2023 19:38

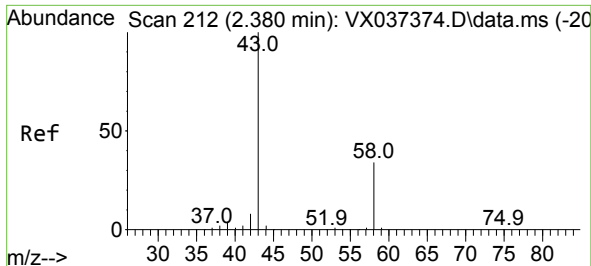
Tgt Ion: 59 Resp: 904

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

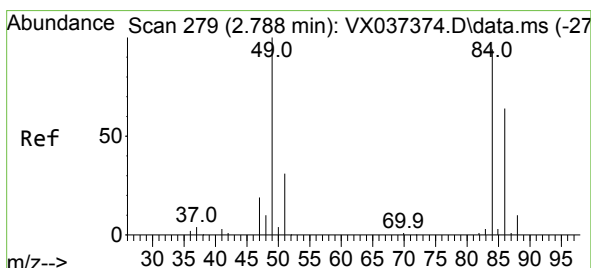
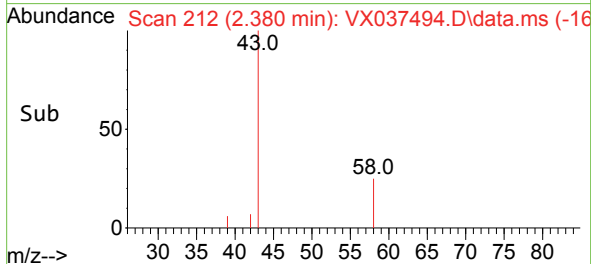
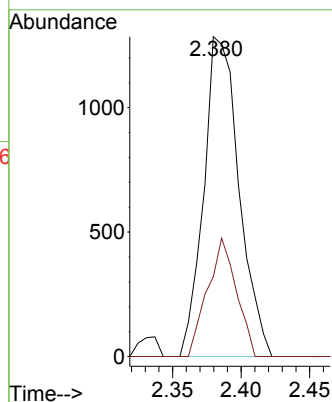
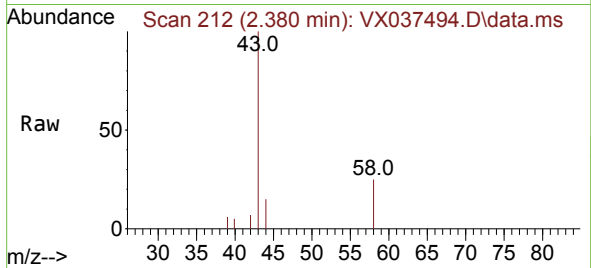




#16
Acetone
Concen: 2.653 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

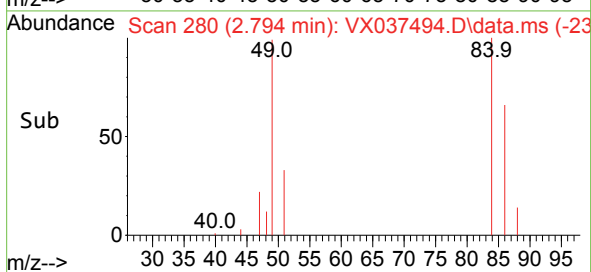
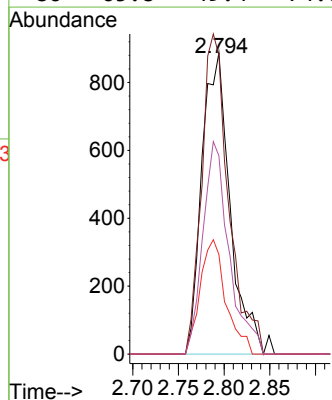
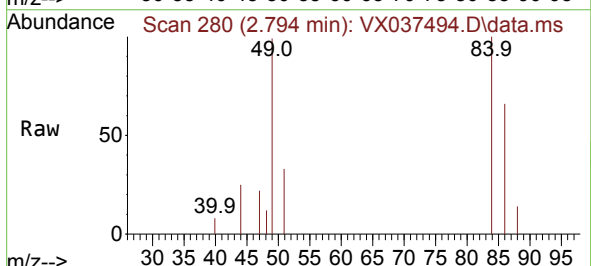
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Groundwater

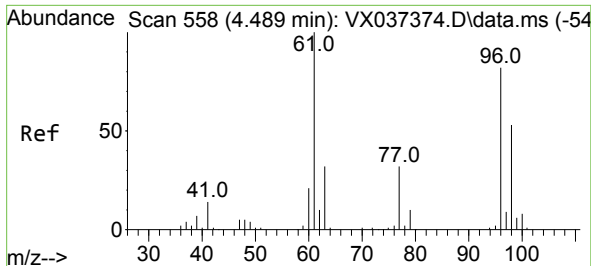
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 24.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.983 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

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

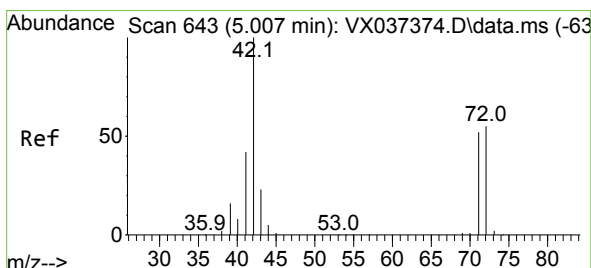
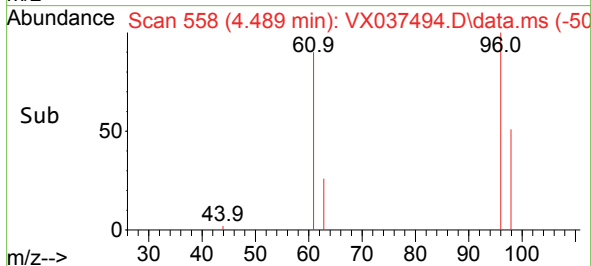
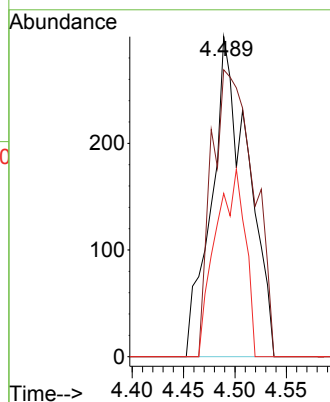
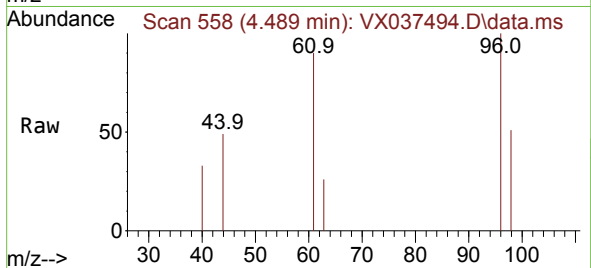




#27
 cis-1,2-Dichloroethene
 Concen: 0.349 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX037494.D
 Acq: 02 Sep 2023 19:38

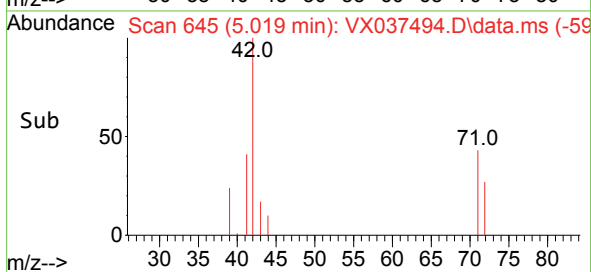
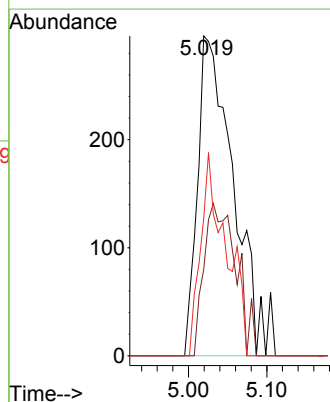
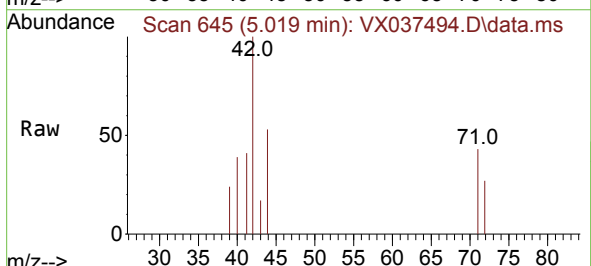
Instrument :
 MSVOA_X
 ClientSampleId :
 Groundwater

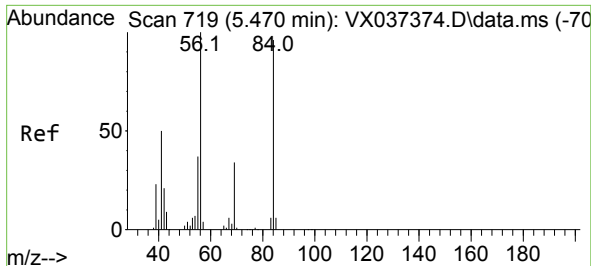
Tgt Ion: 96	Resp:	742
Ion	Ratio	Lower Upper
96	100	
61	102.4	0.0 312.2
98	47.4	0.0 129.0



#29
 Tetrahydrofuran
 Concen: 1.135 ug/l
 RT: 5.019 min Scan# 645
 Delta R.T. 0.012 min
 Lab File: VX037494.D
 Acq: 02 Sep 2023 19:38

Tgt Ion: 42	Resp:	947
Ion	Ratio	Lower Upper
42	100	
72	42.2	34.2 51.4
71	44.5	32.2 48.2

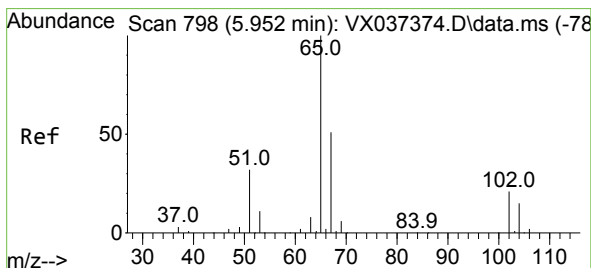
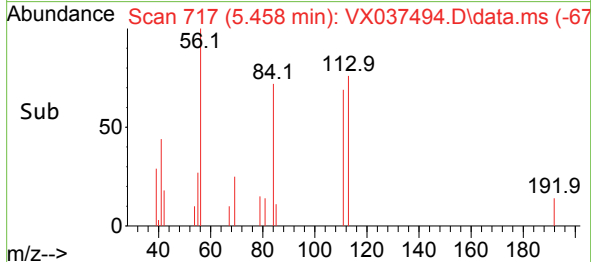
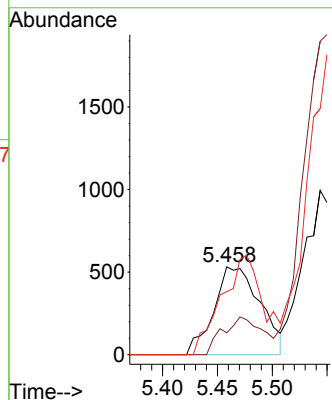
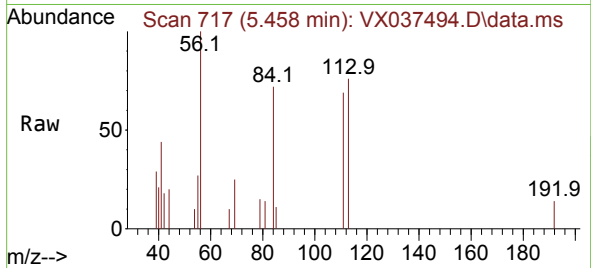




#31
Cyclohexane
Concen: 0.625 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.012 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

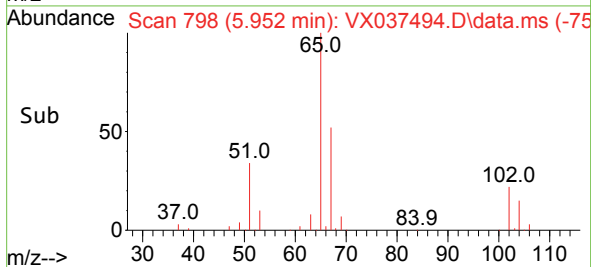
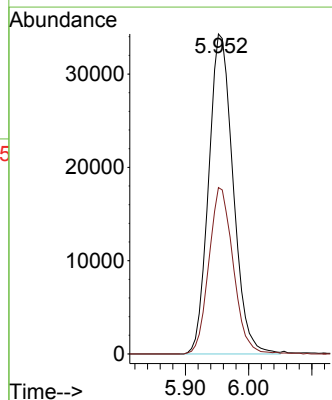
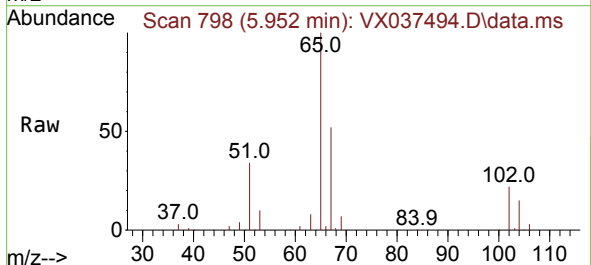
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

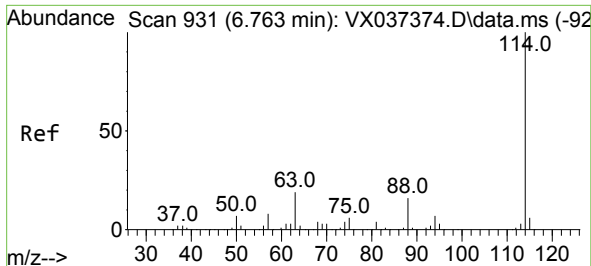
Tgt Ion: 56 Resp: 1560
Ion Ratio Lower Upper
56 100
69 25.0 23.4 35.2
84 71.8 65.9 98.9



#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

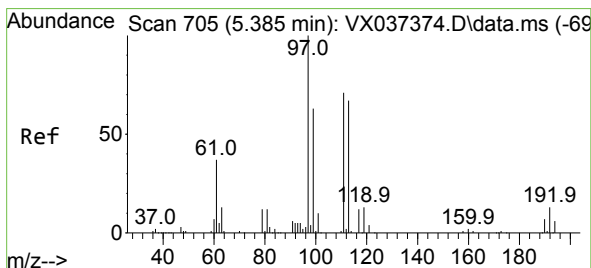
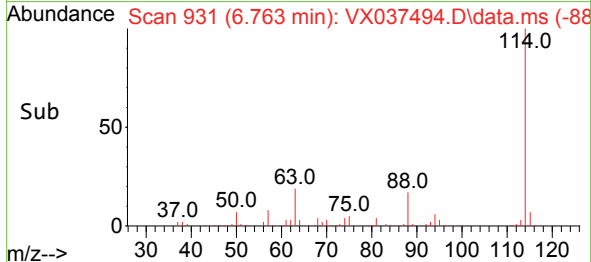
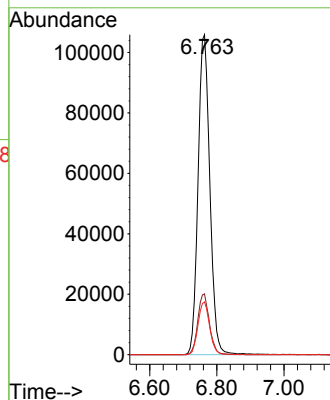
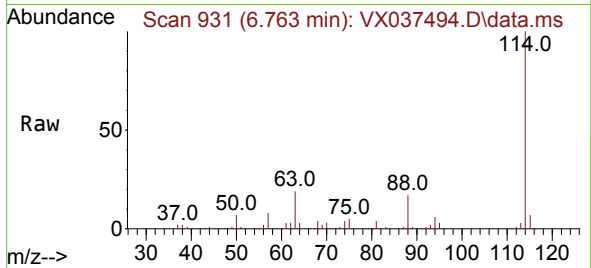




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

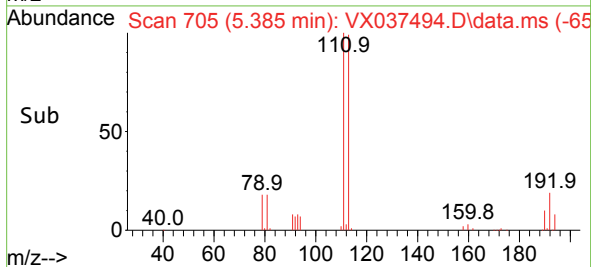
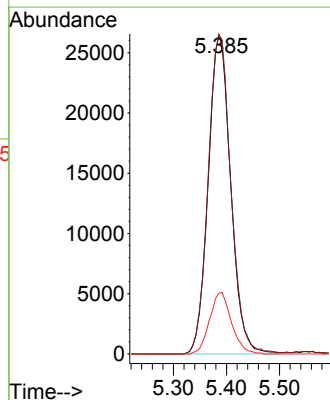
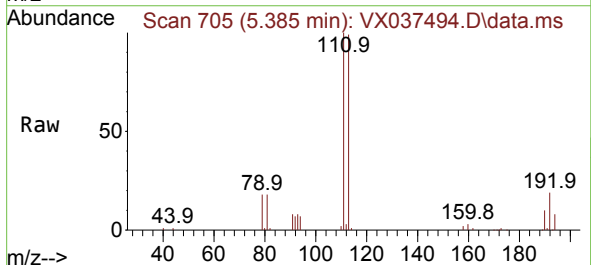
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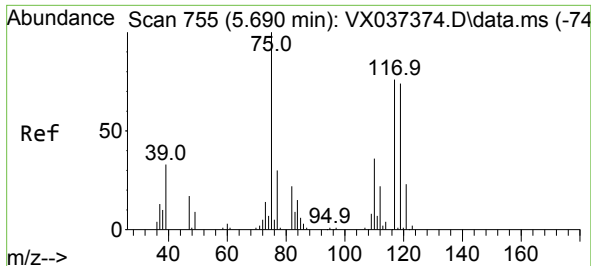
Tgt Ion:114 Resp: 258207
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.5 0.0 36.6



#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

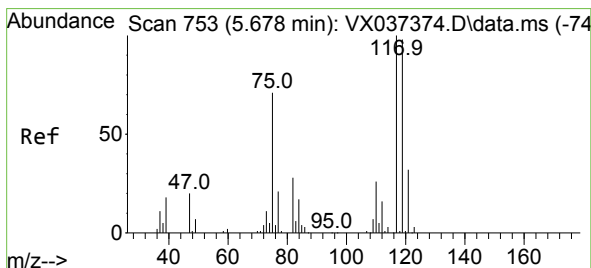
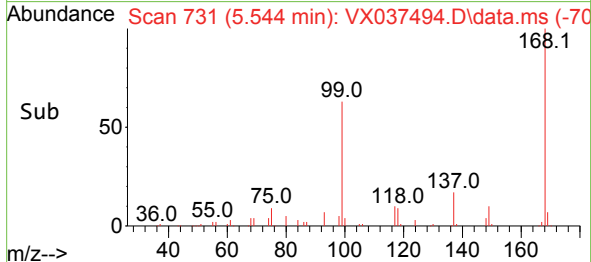
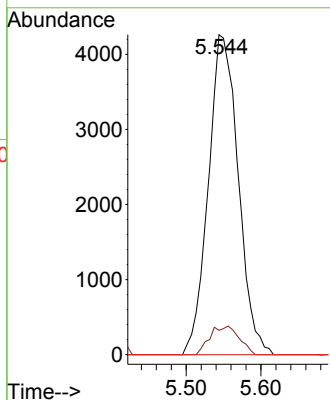
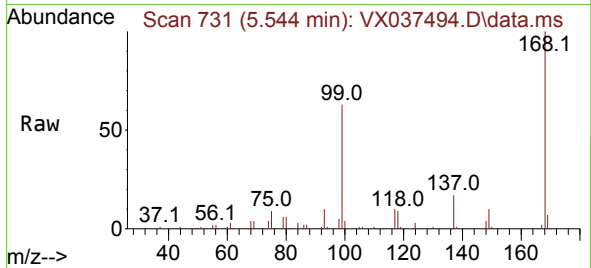




#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

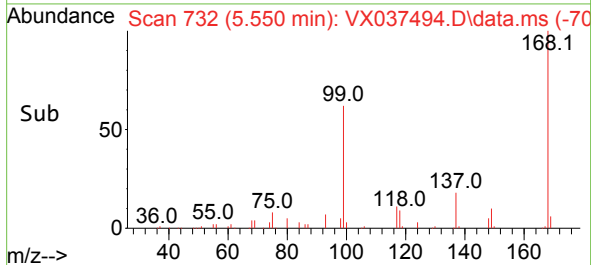
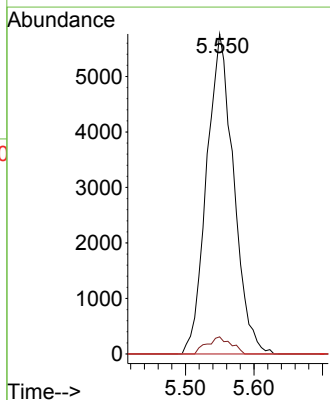
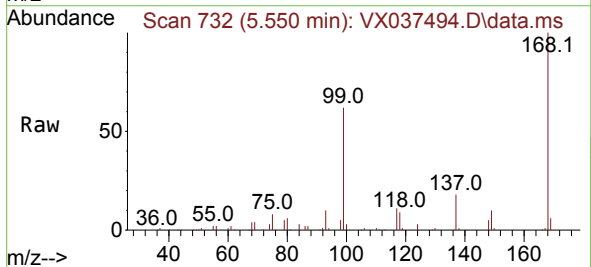
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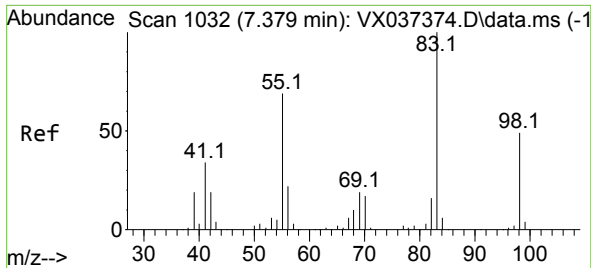
Tgt Ion: 75 Resp: 11862
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 117 Resp: 15776
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

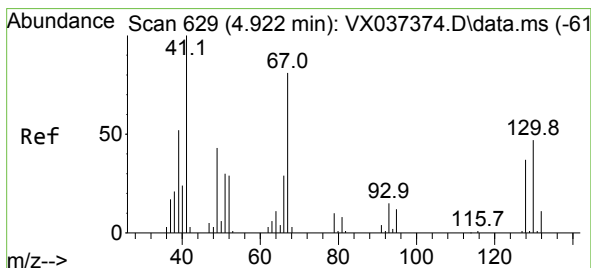
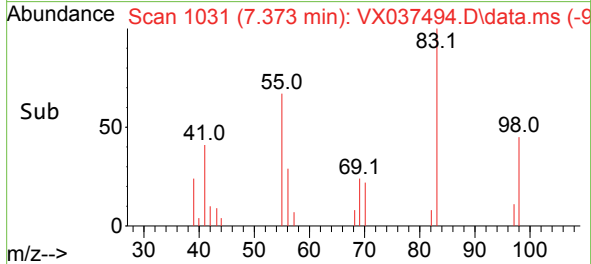
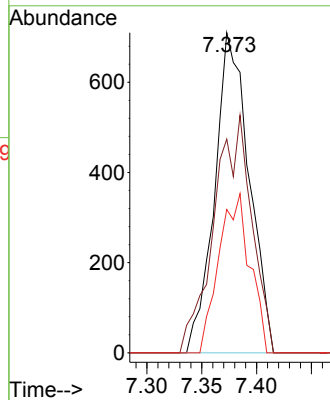
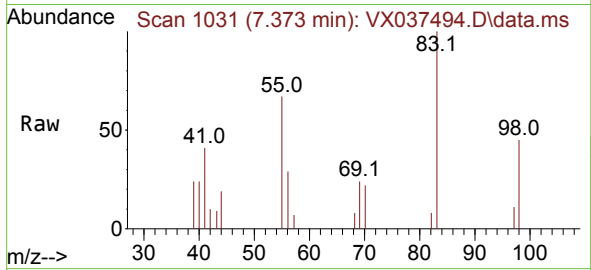




#39
Methylcyclohexane
Concen: 0.608 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

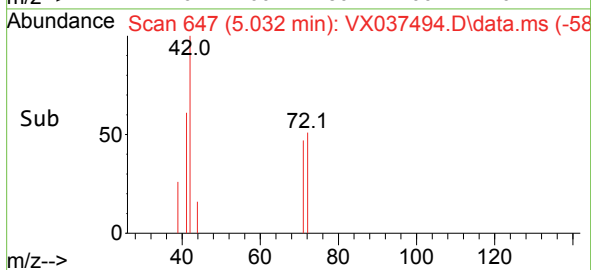
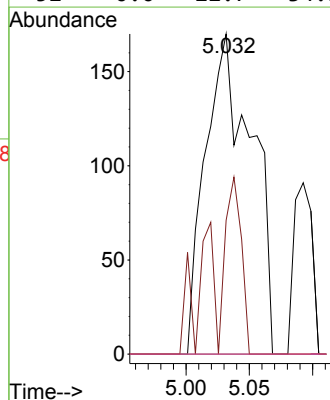
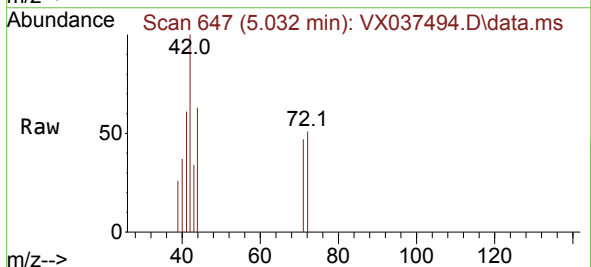
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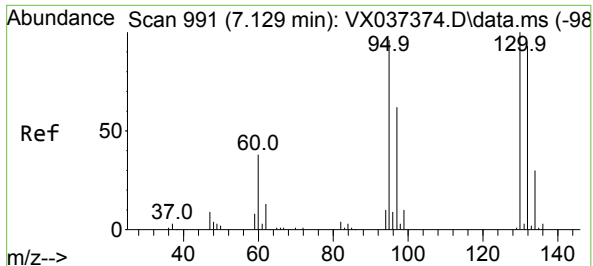
Tgt Ion: 83 Resp: 1552
Ion Ratio Lower Upper
83 100
55 66.8 64.6 97.0
98 44.8 36.7 55.1



#41
Methacrylonitrile
Concen: 0.336 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 41 Resp: 433
Ion Ratio Lower Upper
41 100
39 19.2 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

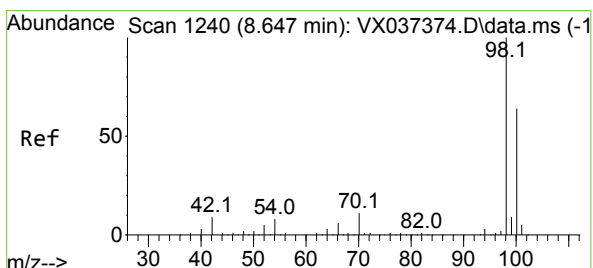
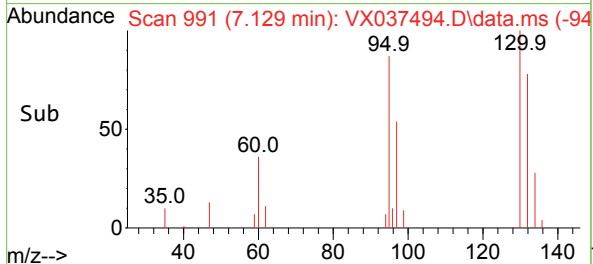
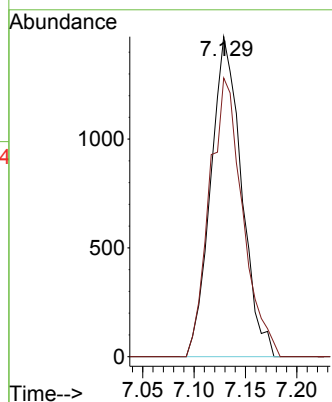
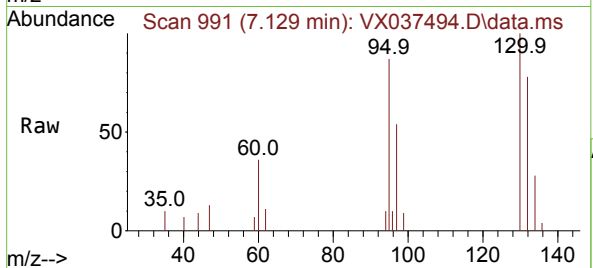




#44
Trichloroethene
Concen: 1.552 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

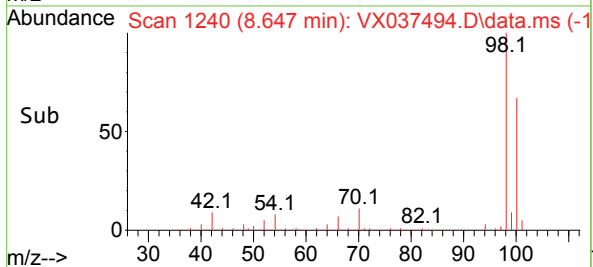
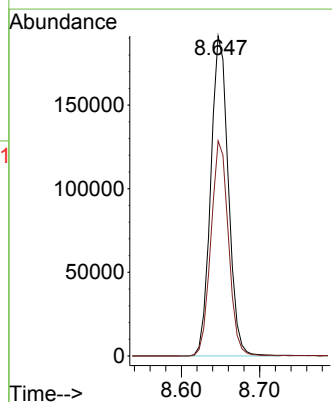
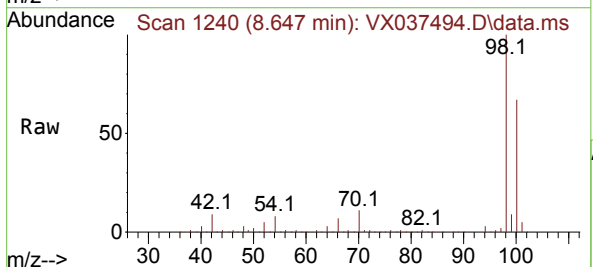
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

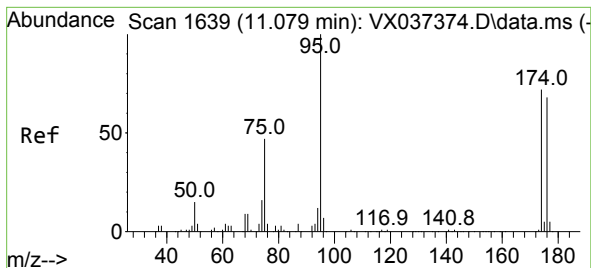
Tgt Ion:130 Resp: 3066
Ion Ratio Lower Upper
130 100
95 87.1 0.0 204.4



#50
Toluene-d8
Concen: 47.932 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

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

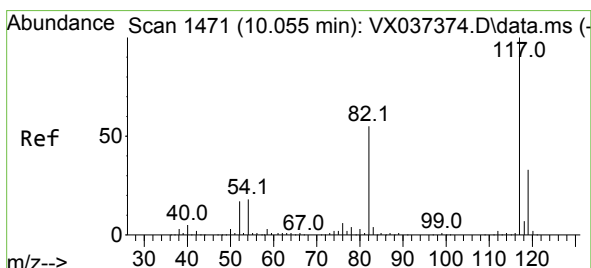
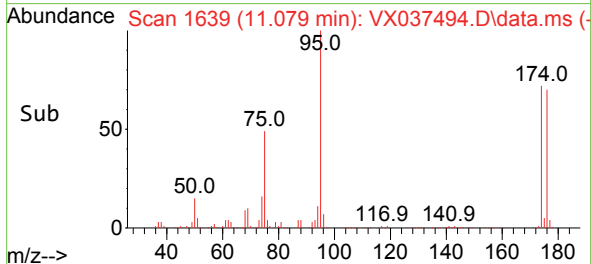
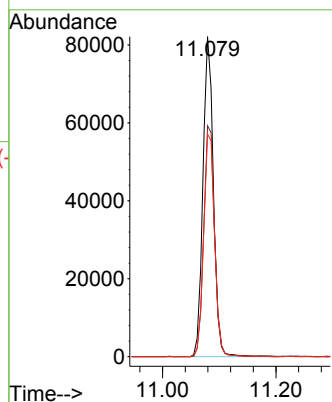
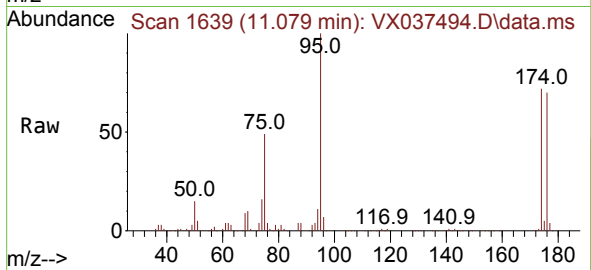




#62
4-Bromofluorobenzene
Concen: 43.234 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

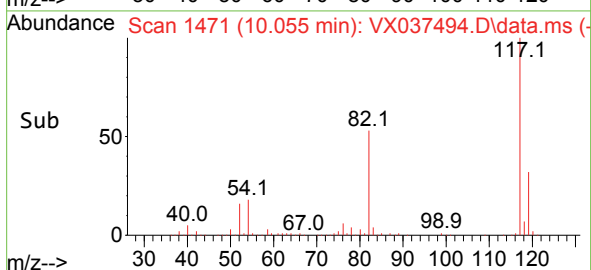
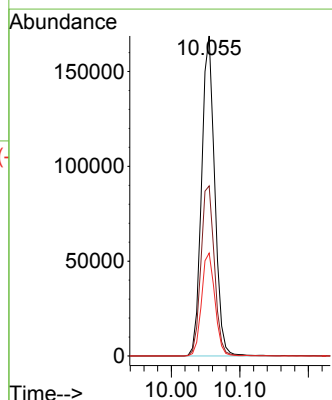
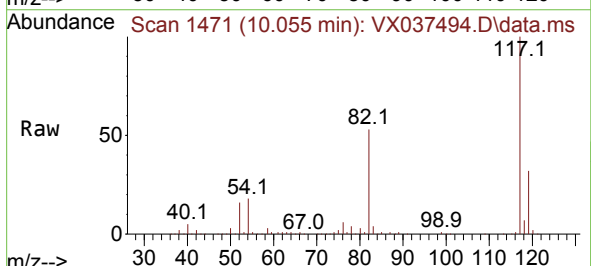
Instrument :
MSVOA_X
ClientSampleId :
Groundwater

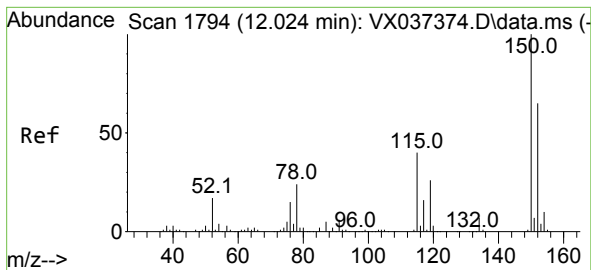
Tgt Ion: 95 Resp: 105391
Ion Ratio Lower Upper
95 100
174 75.2 0.0 135.6
176 72.5 0.0 131.0



#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

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# 11

Delta R.T. 0.000 min

Lab File: VX037494.D

Acq: 02 Sep 2023 19:38

Instrument :

MSVOA_X

ClientSampleId :

Groundwater

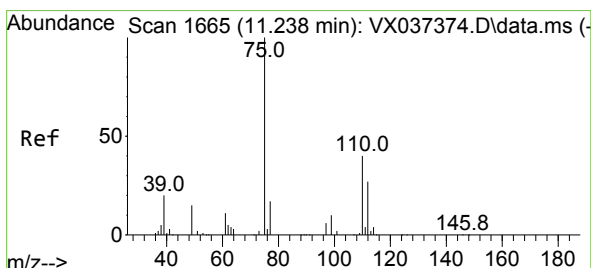
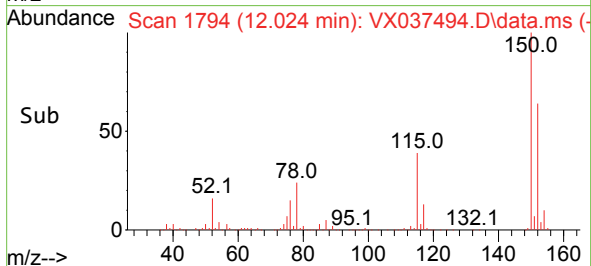
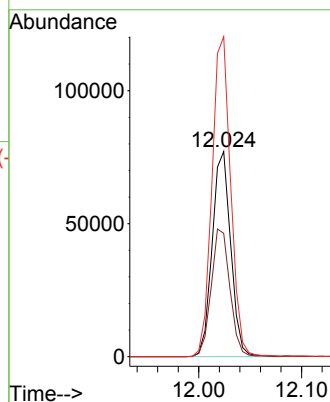
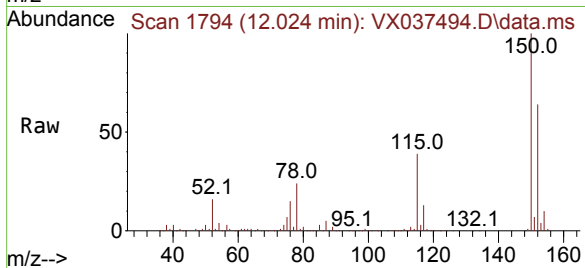
Tgt Ion:152 Resp: 96761

Ion Ratio Lower Upper

152 100

115 63.2 43.3 129.9

150 157.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.670 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037494.D

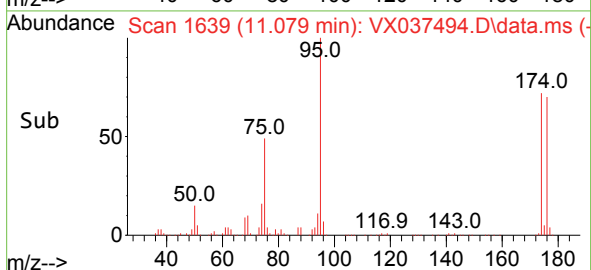
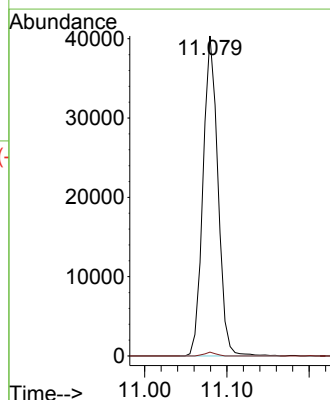
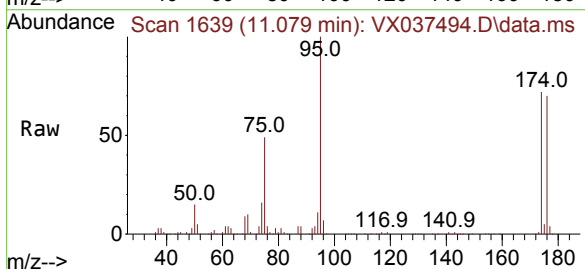
Acq: 02 Sep 2023 19:38

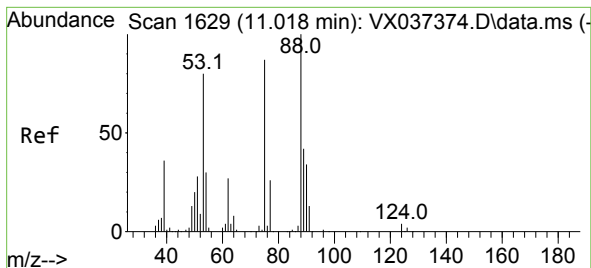
Tgt Ion: 75 Resp: 50838

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

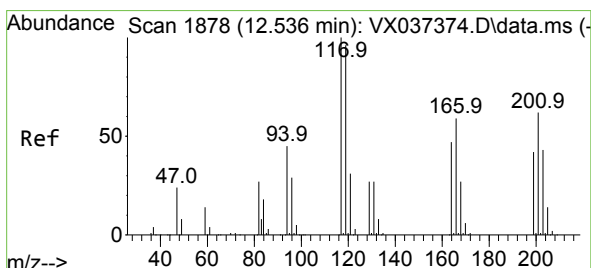
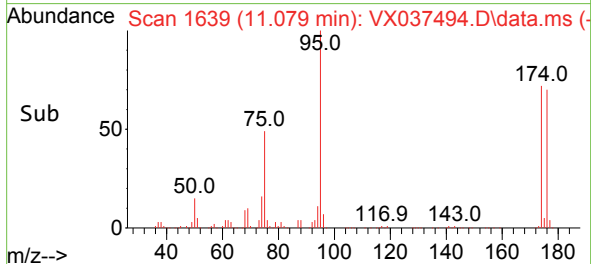
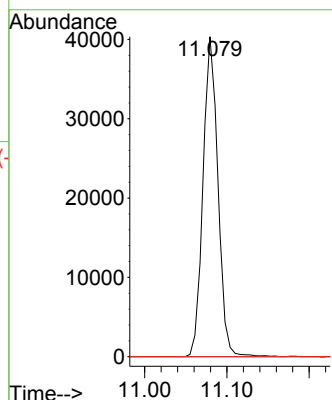
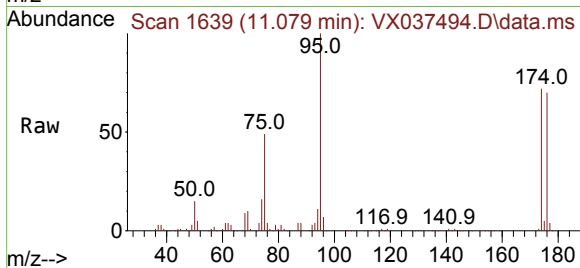




#81
trans-1,4-Dichloro-2-butene
Concen: 68.906 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Instrument :
MSVOA_X
ClientSampleId :
Groundwater

Tgt Ion: 75 Resp: 50838
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.247 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX037494.D
Acq: 02 Sep 2023 19:38

Tgt Ion: 117 Resp: 232
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

