

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039512.D
 Acq On : 28 Dec 2023 13:38
 Operator : JC/MD
 Sample : 06019-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 28 22:49:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

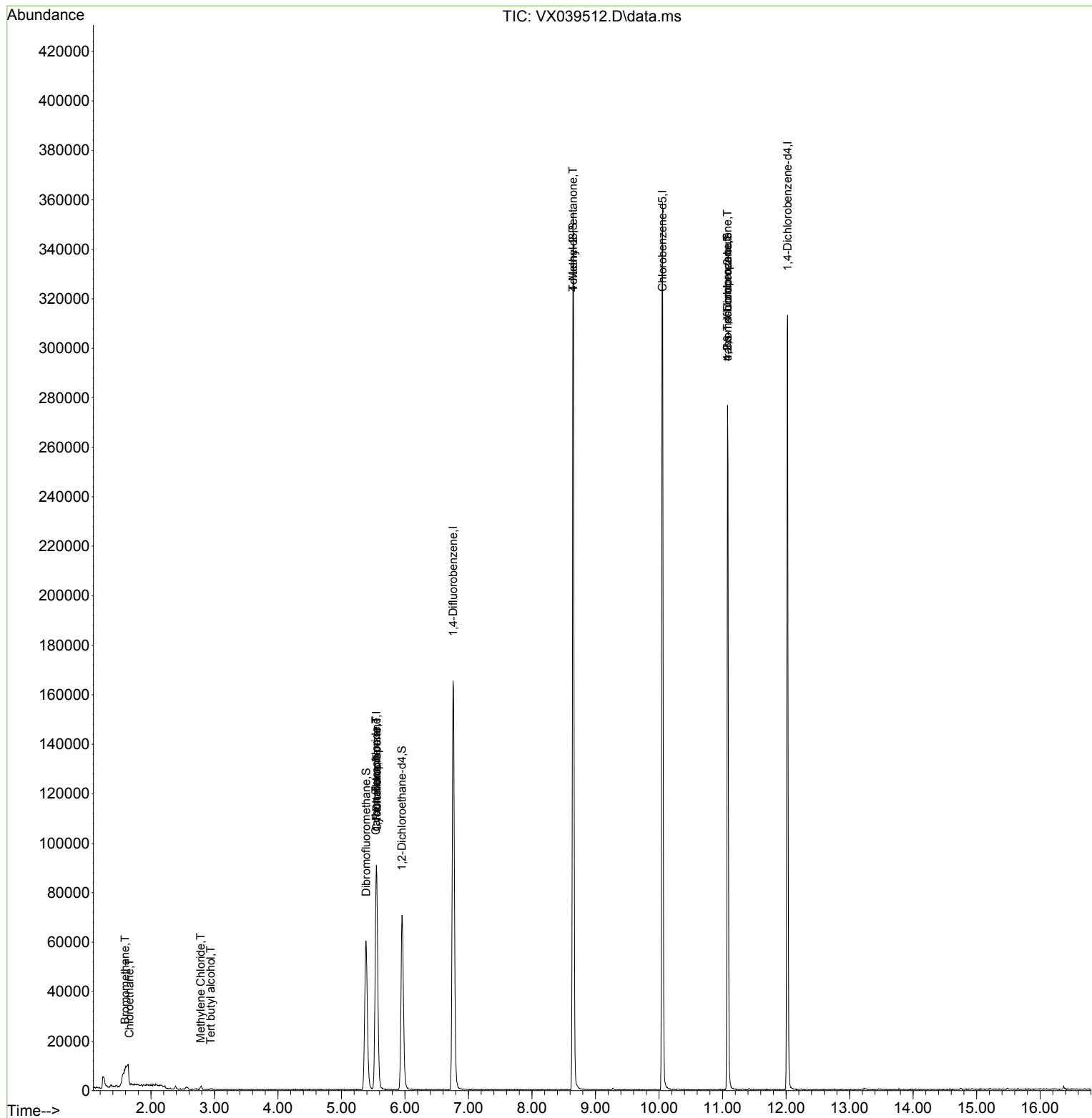
Internal Standards						
1) Pentafluorobenzene	5.550	168	78098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68603	47.951	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.900%
35) Dibromofluoromethane	5.385	113	53342	47.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.500%
50) Toluene-d8	8.647	98	205612	49.057	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.120%
62) 4-Bromofluorobenzene	11.079	95	78342	45.302	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	327	0.502	ug/l #	3
6) Chloroethane	1.660	64	140	0.205	ug/l #	43
11) Tert butyl alcohol	2.940	59	203	0.565	ug/l #	78
16) Acetone	2.386	43	1012	Below Cal	#	77
20) Methylene Chloride	2.782	84	662	0.555	ug/l #	82
31) Cyclohexane	5.556	56	2317	1.254	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	7649	4.293	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8923	5.248	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1043	0.457	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43889	27.640	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	43889	77.974	ug/l #	5

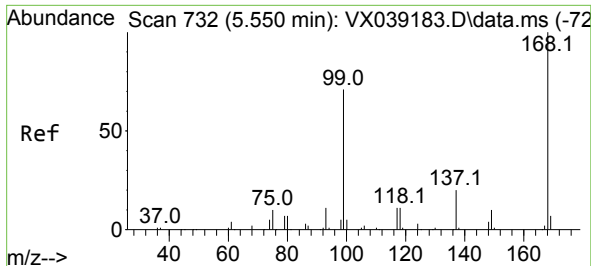
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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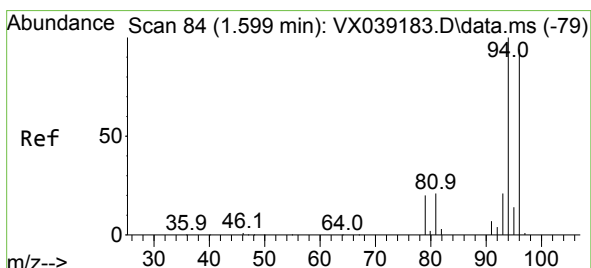
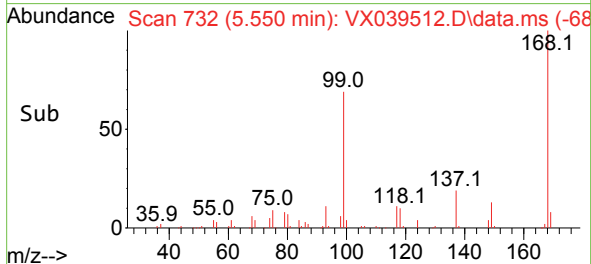
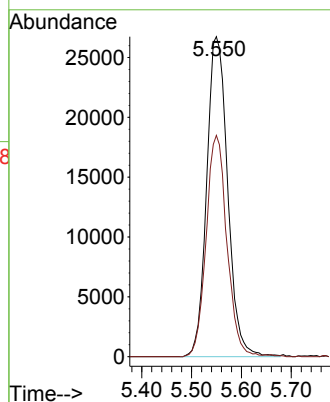
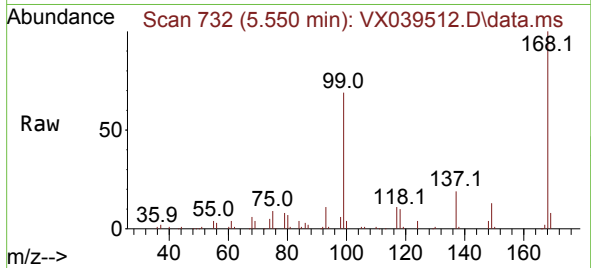




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

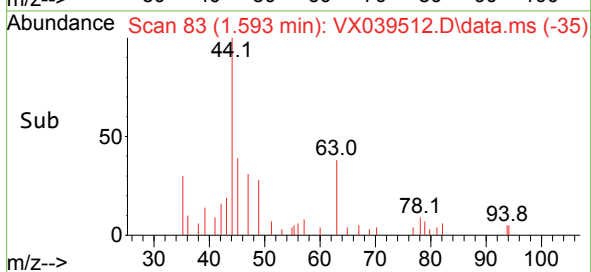
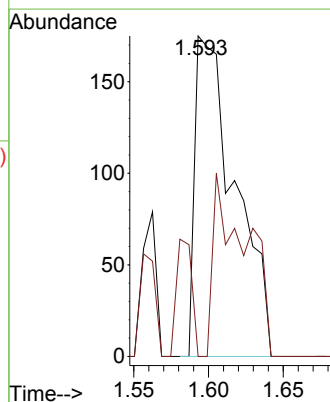
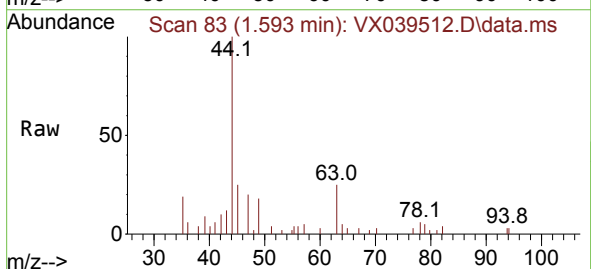
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

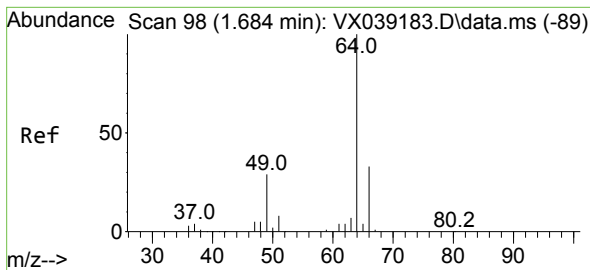
Tgt Ion:168 Resp: 78098
Ion Ratio Lower Upper
168 100
99 69.1 56.6 85.0



#5
Bromomethane
Concen: 0.502 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.024 min

Lab File: VX039512.D

Acq: 28 Dec 2023 13:38

Instrument :

MSVOA_X

ClientSampleId :

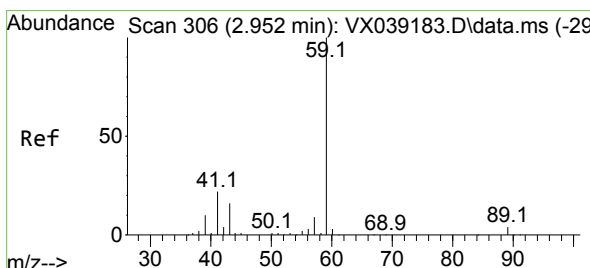
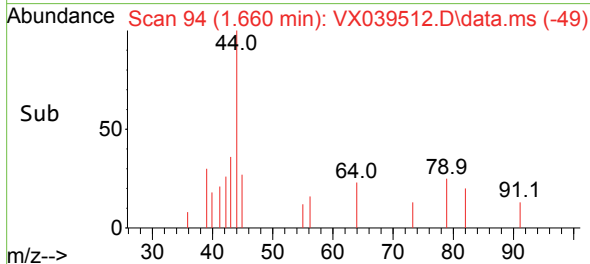
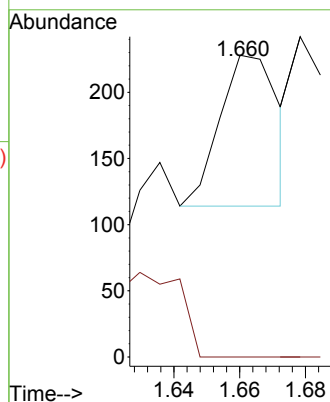
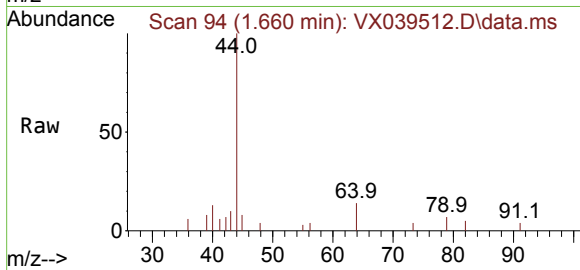
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 64 Resp: 140

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 0.565 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.012 min

Lab File: VX039512.D

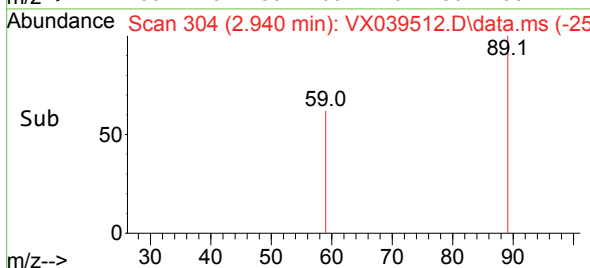
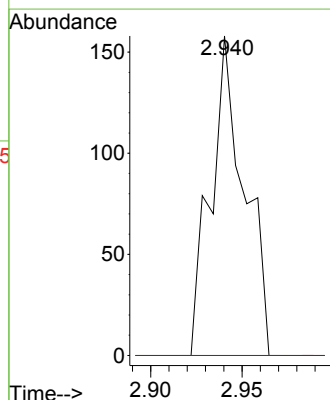
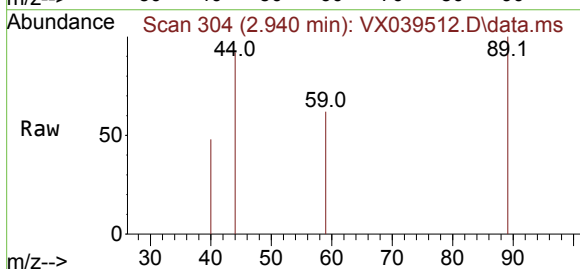
Acq: 28 Dec 2023 13:38

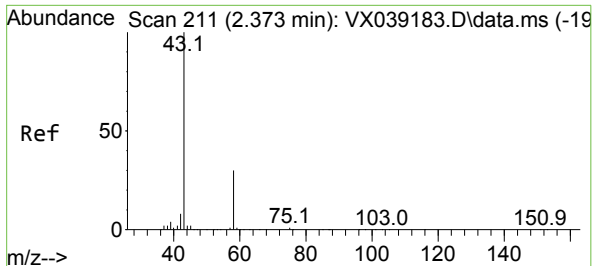
Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

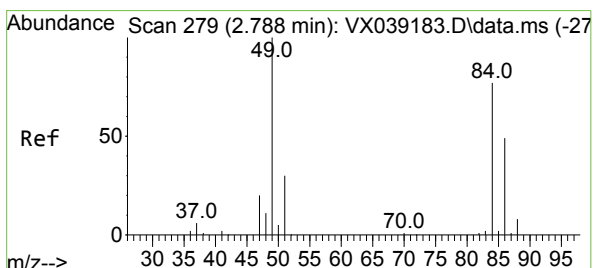
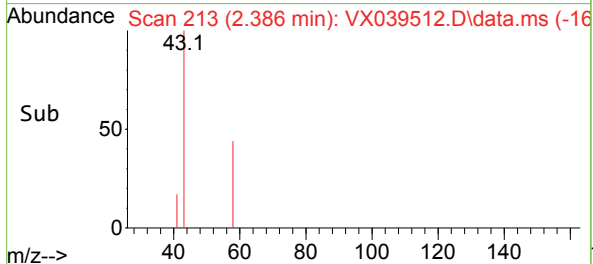
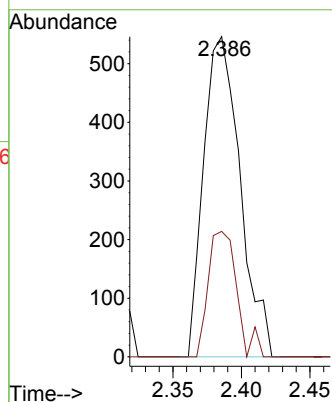
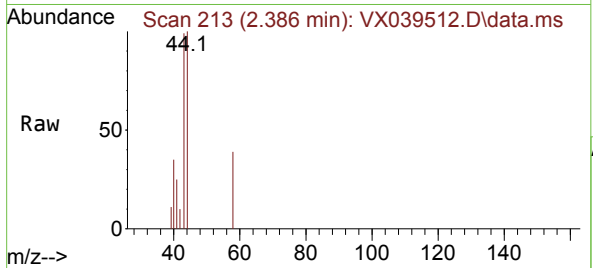




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

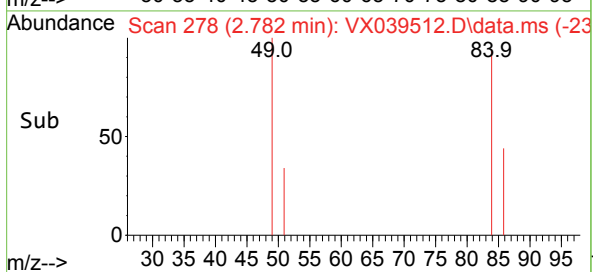
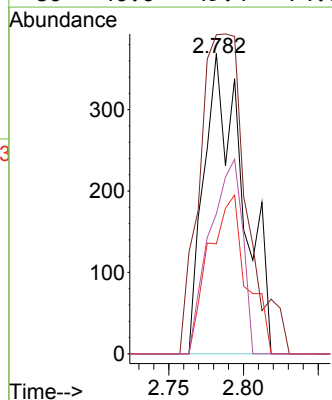
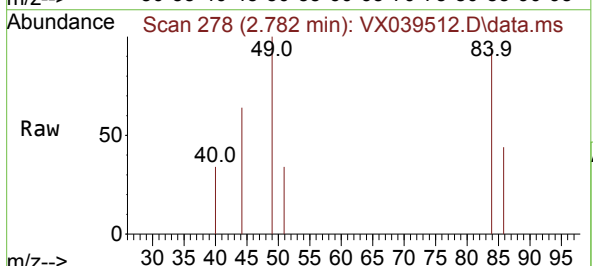
Instrument :
MSVOA_X
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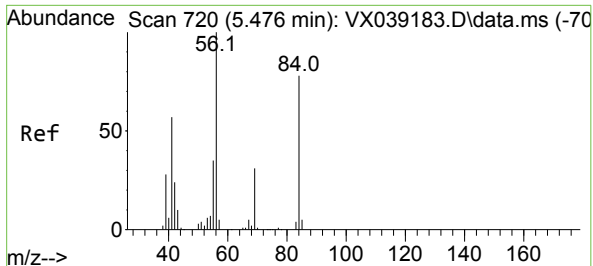
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 39.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.555 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 84 Resp: 662
Ion Ratio Lower Upper
84 100
49 106.2 103.6 155.4
51 36.6 33.8 50.6
86 46.6 49.4 74.0#

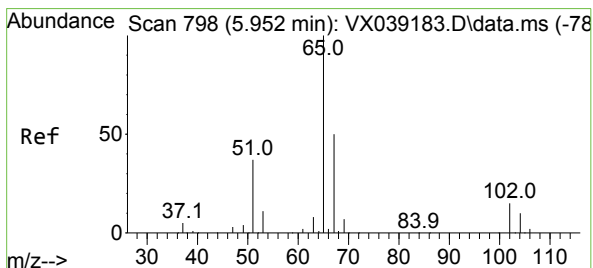
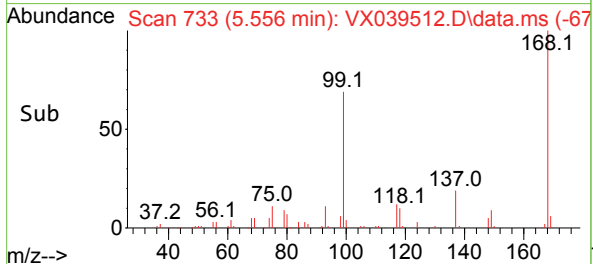
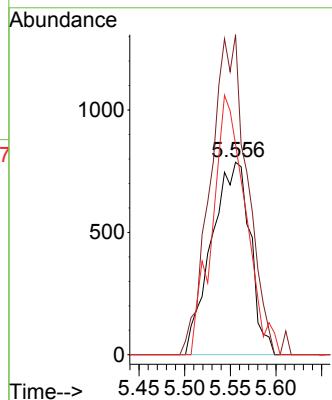
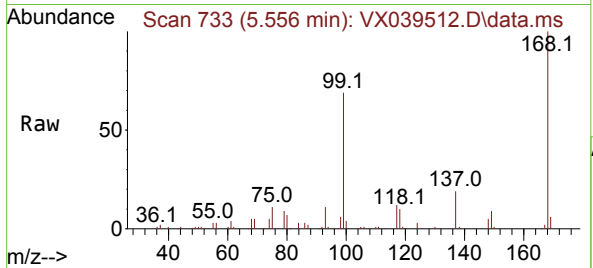




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

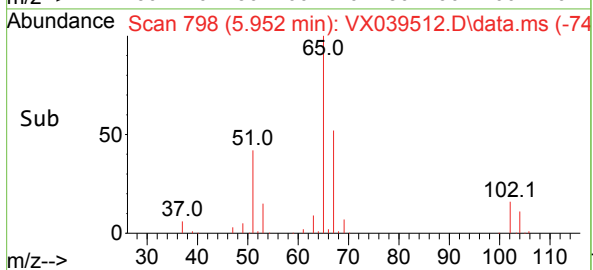
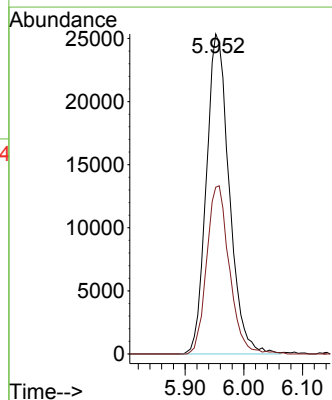
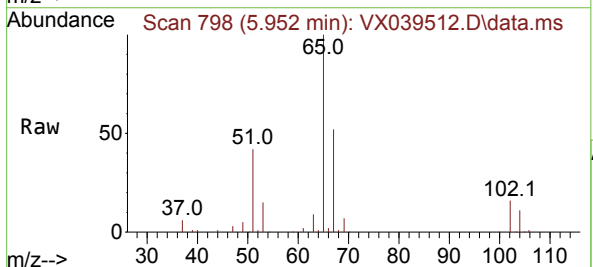
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

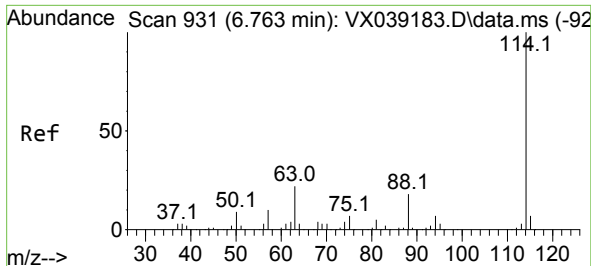
Tgt Ion: 56 Resp: 2317
Ion Ratio Lower Upper
56 100
69 166.2 23.4 35.2#
84 109.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.951 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 65 Resp: 68603
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

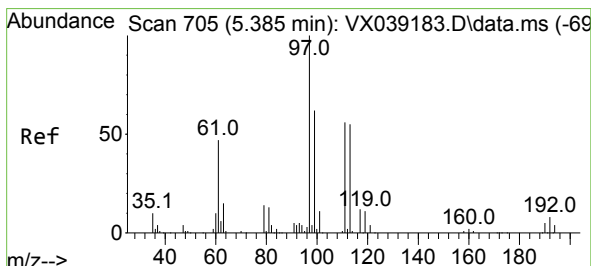
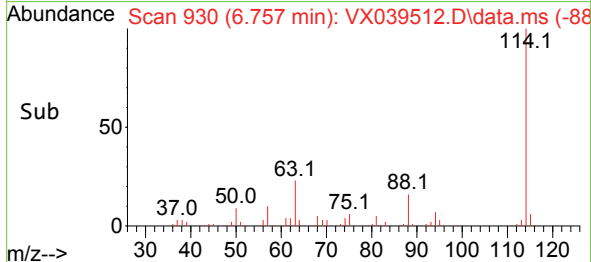
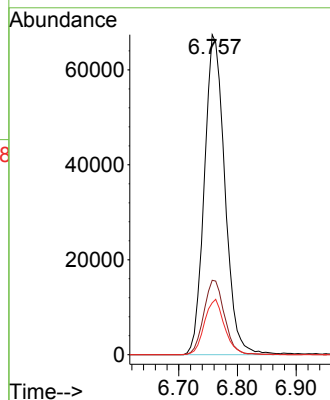
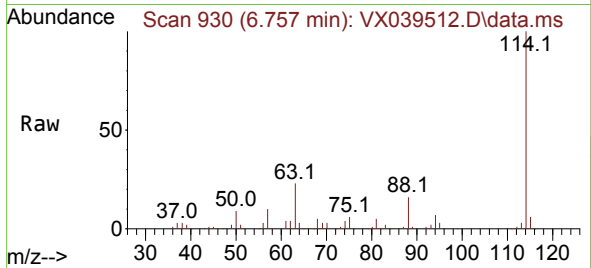




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

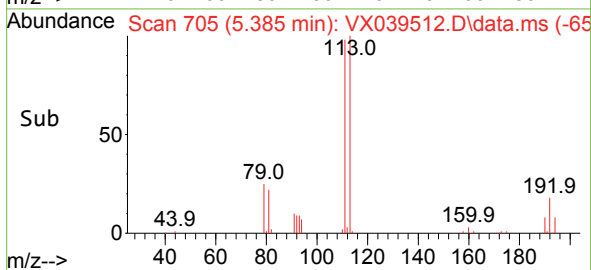
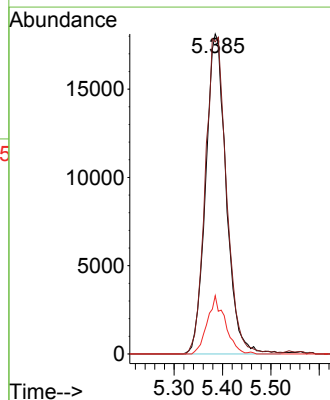
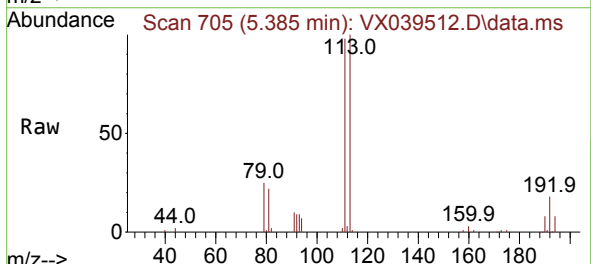
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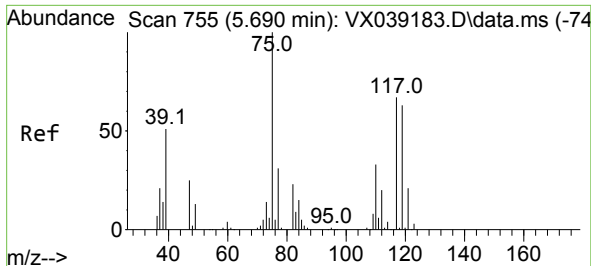
Tgt Ion:114 Resp: 163417
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.249 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion:113 Resp: 53342
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 15.9 13.3 19.9

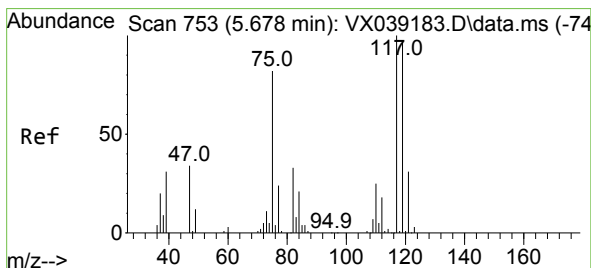
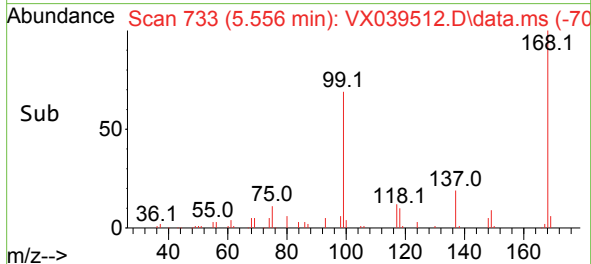
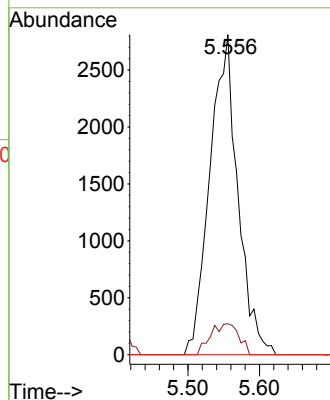
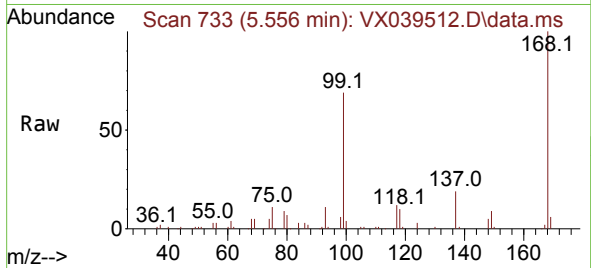




#36
1,1-Dichloropropene
Concen: 4.293 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

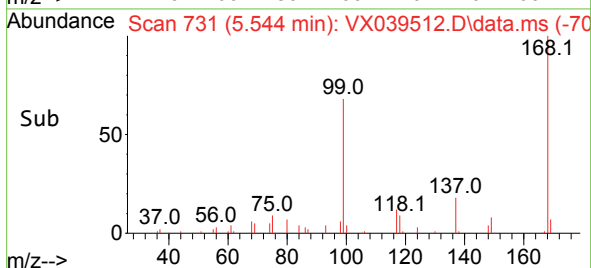
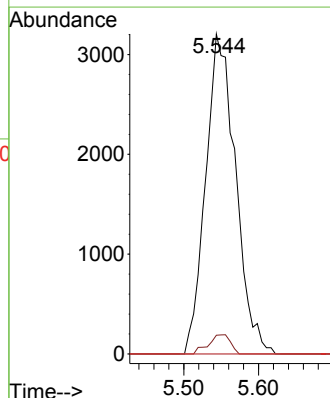
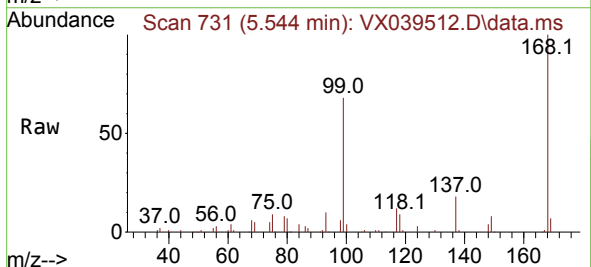
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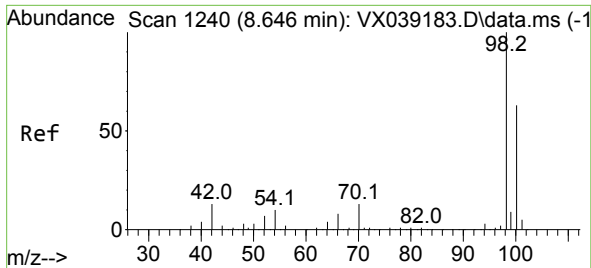
Tgt Ion: 75 Resp: 7649
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.248 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 117 Resp: 8923
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

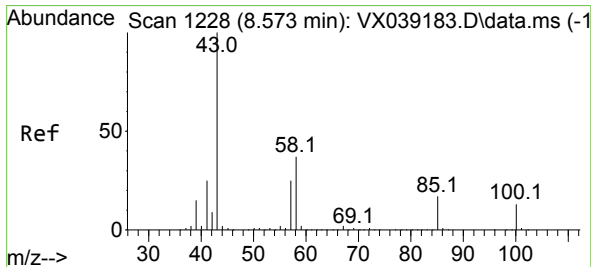
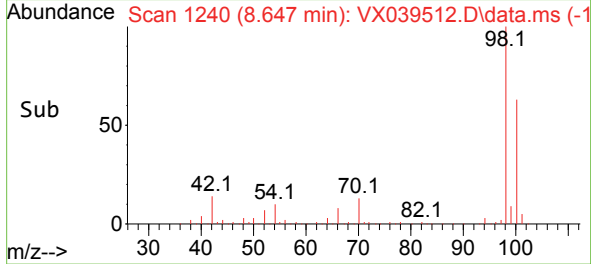
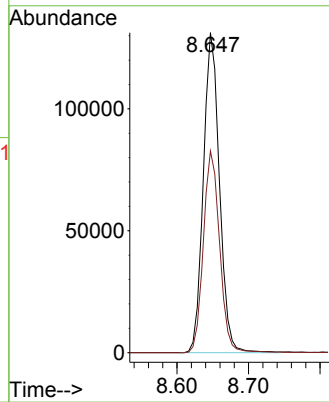
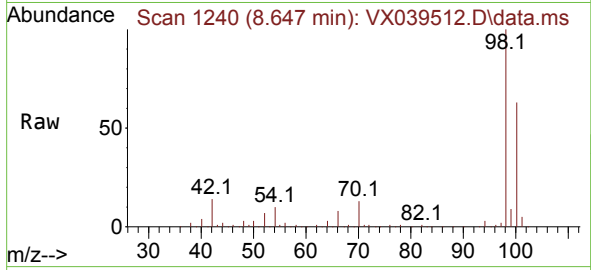




#50
Toluene-d8
Concen: 49.057 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

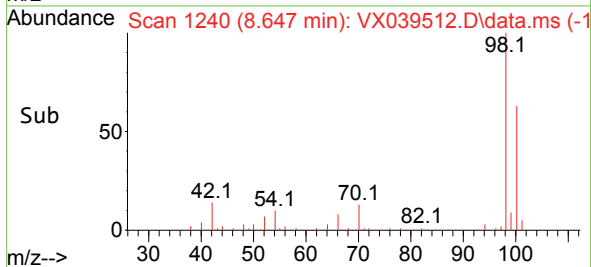
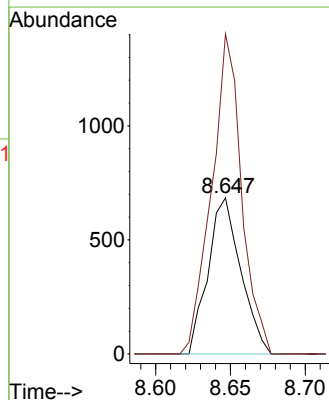
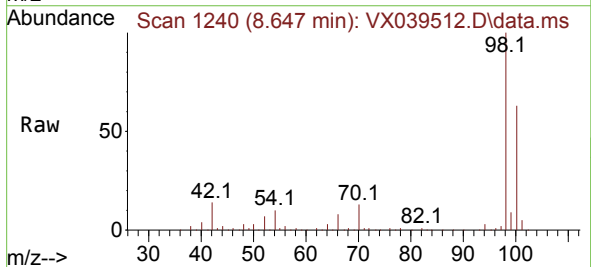
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

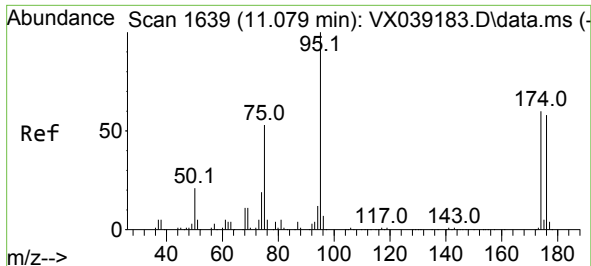
Tgt Ion: 98 Resp: 205612
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
58 188.0 30.4 45.6#

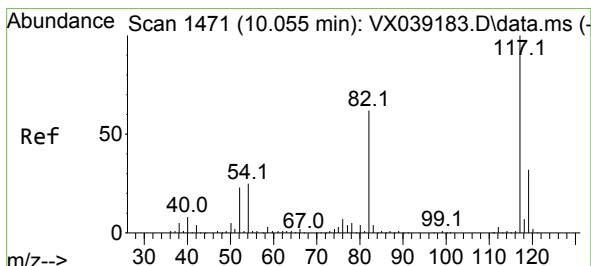
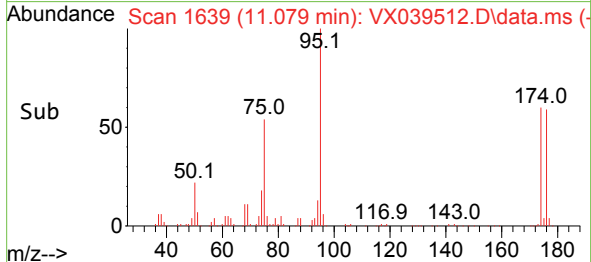
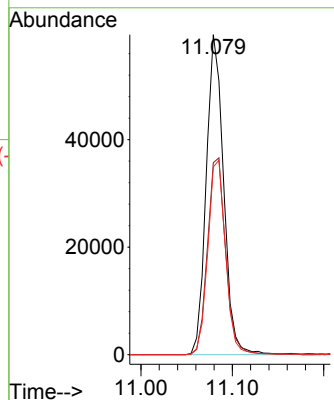
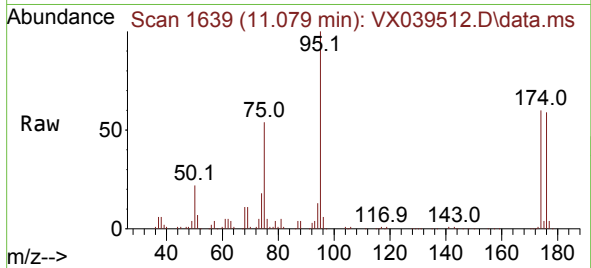




#62
4-Bromofluorobenzene
Concen: 45.302 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

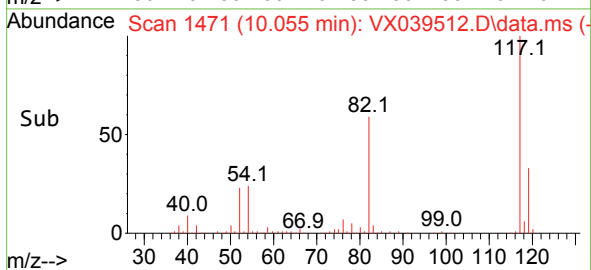
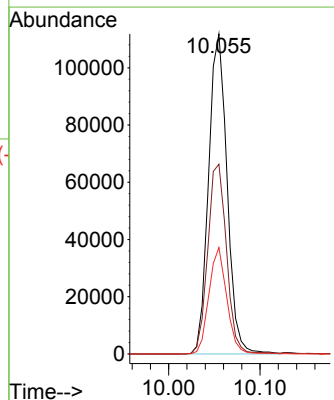
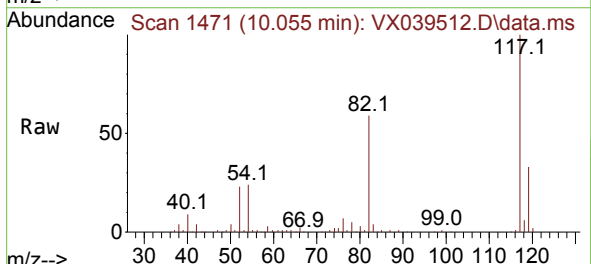
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

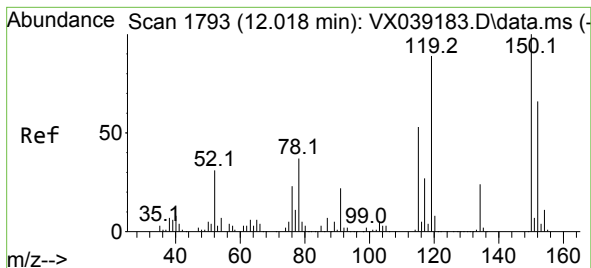
Tgt Ion: 95 Resp: 78342
Ion Ratio Lower Upper
95 100
174 64.5 0.0 135.6
176 62.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039512.D
Acq: 28 Dec 2023 13:38

Tgt Ion: 117 Resp: 157077
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.4
119 33.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039512.D

Acq: 28 Dec 2023 13:38

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

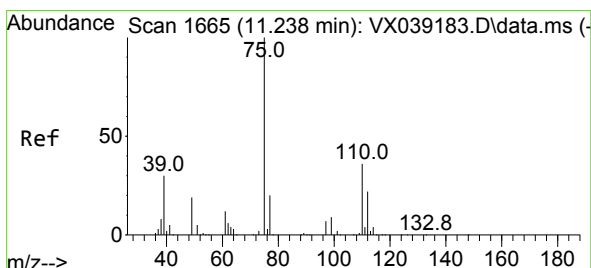
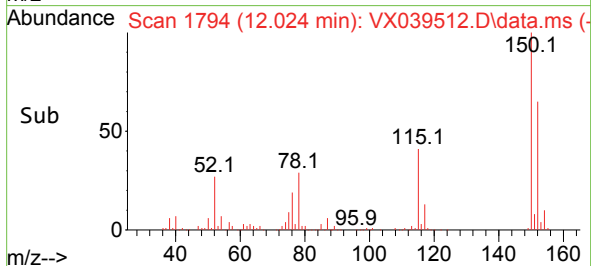
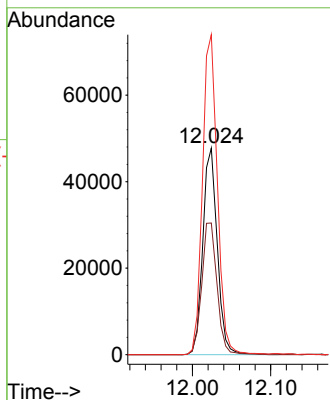
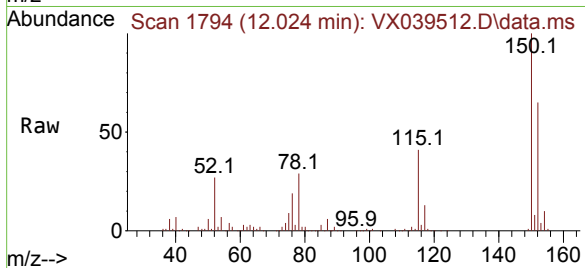
Tgt Ion:152 Resp: 61374

Ion Ratio Lower Upper

152 100

115 67.0 43.3 129.9

150 158.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.640 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039512.D

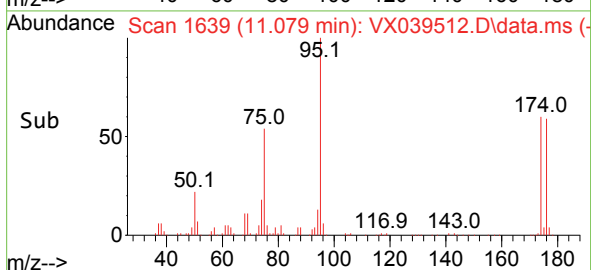
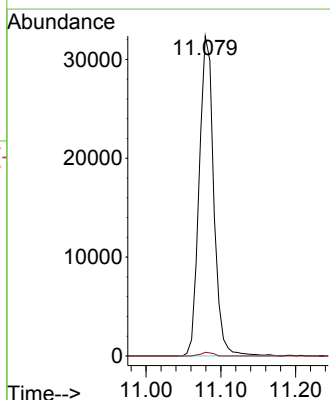
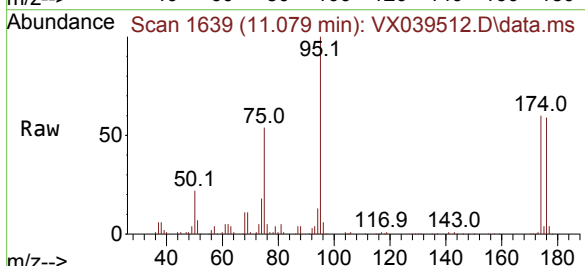
Acq: 28 Dec 2023 13:38

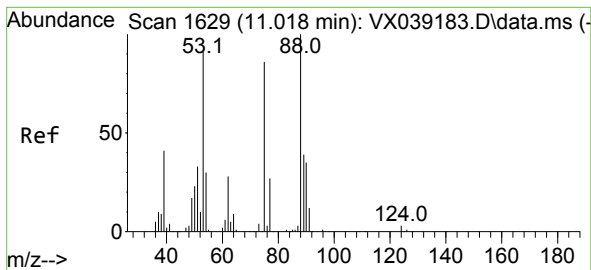
Tgt Ion: 75 Resp: 43889

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.974 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039512.D
 Acq: 28 Dec 2023 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 43889
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

