

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042926.D
 Acq On : 07 Aug 2024 19:18
 Operator : JC/MD
 Sample : P3464-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOPSOIL

Quant Time: Aug 08 02:06:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

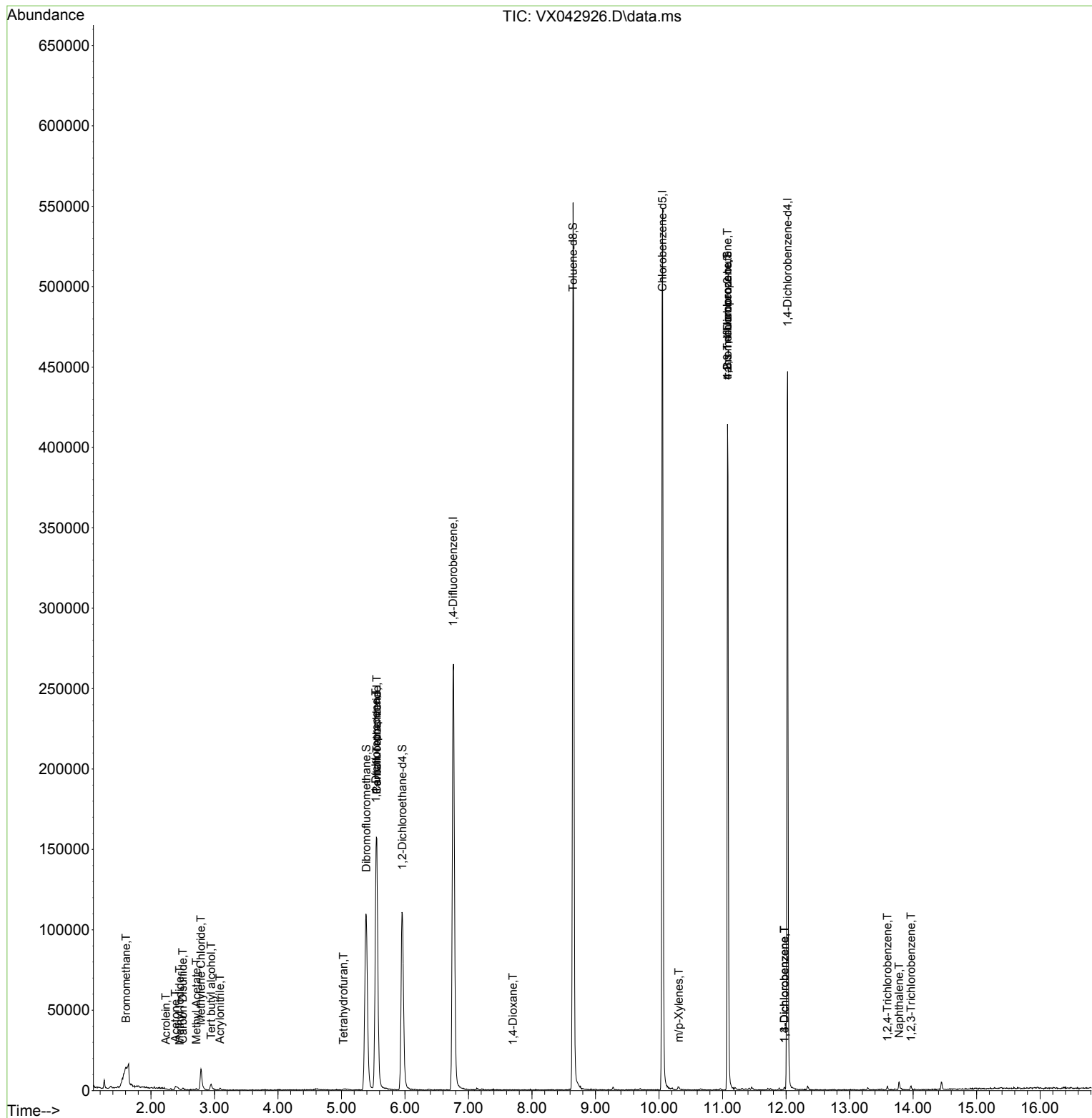
Internal Standards						
1) Pentafluorobenzene	5.556	168	153195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	283466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	115308	54.829	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.660%		
35) Dibromofluoromethane	5.391	113	99079	53.457	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.920%		
50) Toluene-d8	8.646	98	334809	50.885	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.760%		
62) 4-Bromofluorobenzene	11.079	95	113936	48.188	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.380%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	861	0.833	ug/l #	52
10) Methyl Iodide	2.452	142	368	0.213	ug/l #	73
11) Tert butyl alcohol	2.946	59	2508	5.996	ug/l #	78
13) Acrolein	2.233	56	133	0.323	ug/l #	37
15) Acrylonitrile	3.086	53	228	0.214	ug/l #	58
16) Acetone	2.385	43	2501	2.742	ug/l	100
17) Carbon Disulfide	2.501	76	1663	0.405	ug/l #	93
18) Methyl Acetate	2.715	43	867	0.300	ug/l #	82
20) Methylene Chloride	2.788	84	6784	2.701	ug/l #	85
29) Tetrahydrofuran	5.031	42	253	0.261	ug/l #	60
36) 1,1-Dichloropropene	5.543	75	11801	4.696	ug/l #	51
38) Carbon Tetrachloride	5.556	117	16342	5.761	ug/l #	15
49) 1,4-Dioxane	7.702	88	21	0.424	ug/l #	12
68) m/p-Xylenes	10.311	106	858	0.239	ug/l	76
76) 1,2,3-Trichloropropane	11.079	75	57844	25.813	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57844	83.930	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	720	0.217	ug/l	93
88) 1,4-Dichlorobenzene	11.975	146	720	0.212	ug/l	93
93) 1,2,4-Trichlorobenzene	13.597	180	816	0.403	ug/l	90
95) Naphthalene	13.780	128	4277	0.610	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	829	0.407	ug/l	92

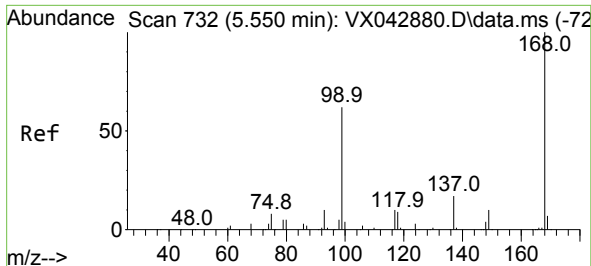
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
Data File : VX042926.D
Acq On : 07 Aug 2024 19:18
Operator : JC/MD
Sample : P3464-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

Quant Time: Aug 08 02:06:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 07 02:55:22 2024
Response via : Initial Calibration

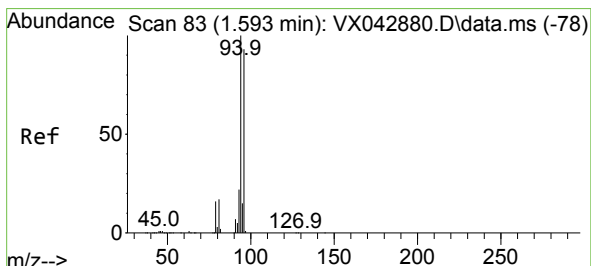
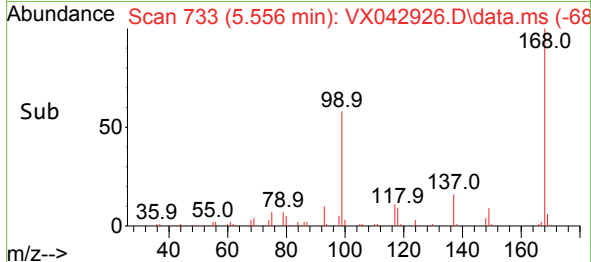
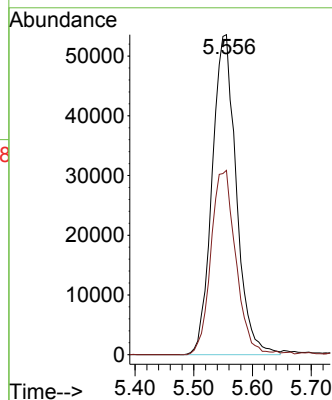
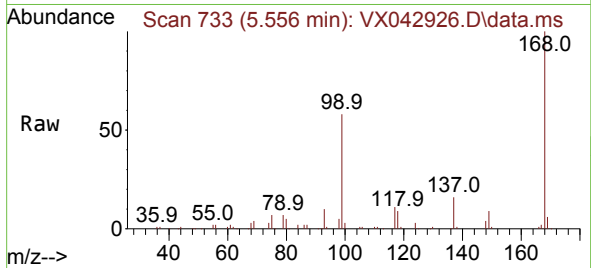




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

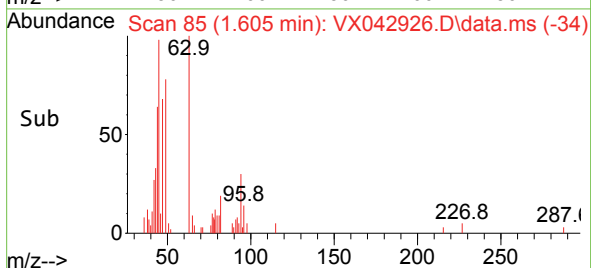
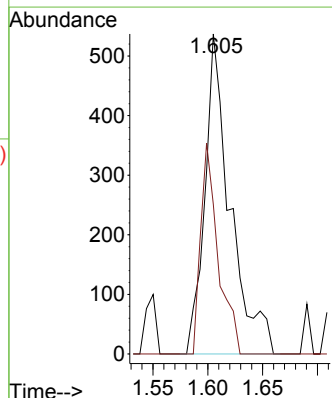
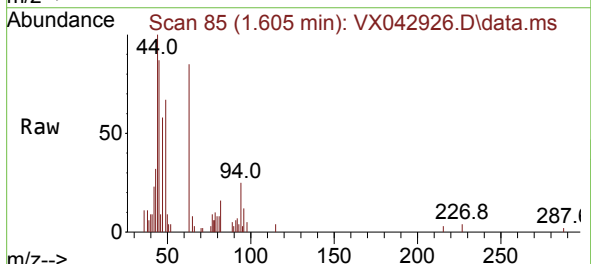
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

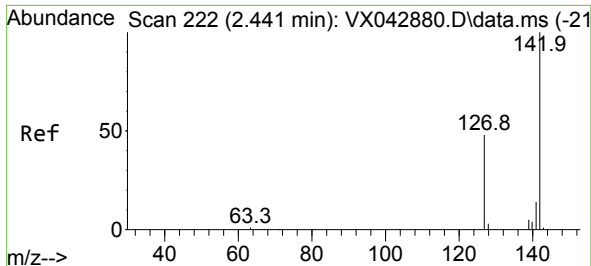
Tgt Ion:168 Resp: 153195
Ion Ratio Lower Upper
168 100
99 57.6 56.6 85.0



#5
Bromomethane
Concen: 0.833 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

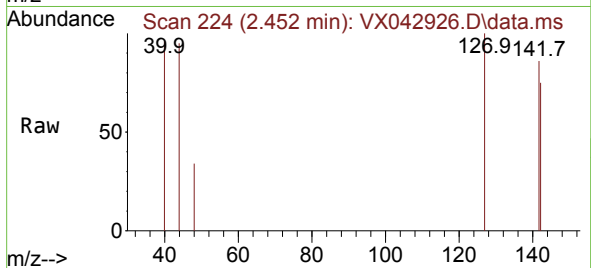
Tgt Ion: 94 Resp: 861
Ion Ratio Lower Upper
94 100
96 46.7 74.6 111.8#



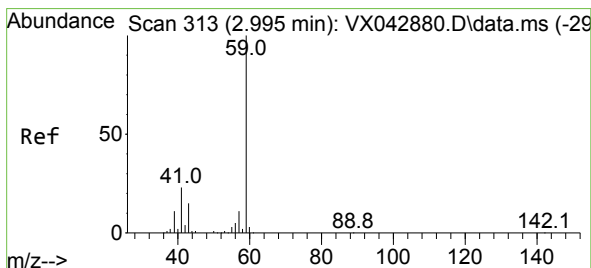
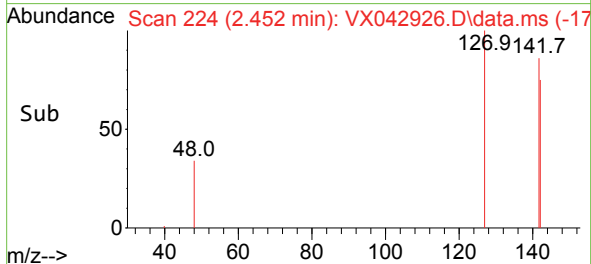
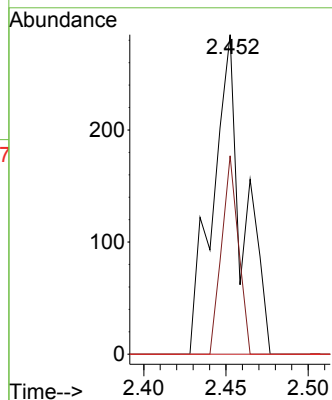


#10
Methyl Iodide
Concen: 0.213 ug/l
RT: 2.452 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

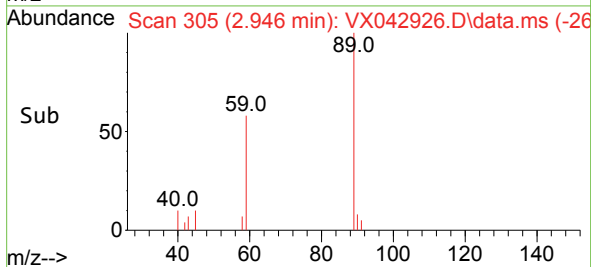
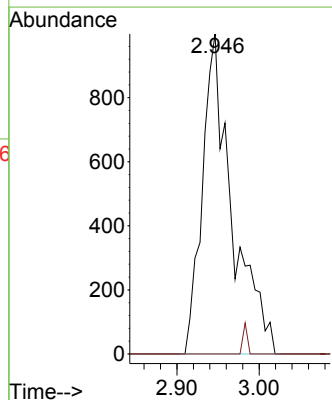
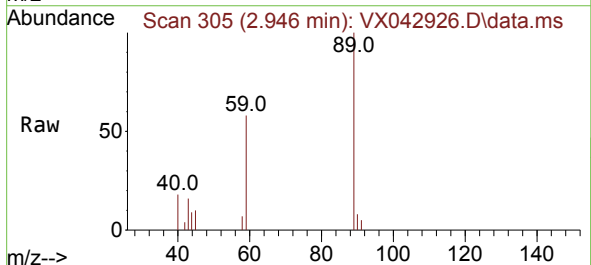


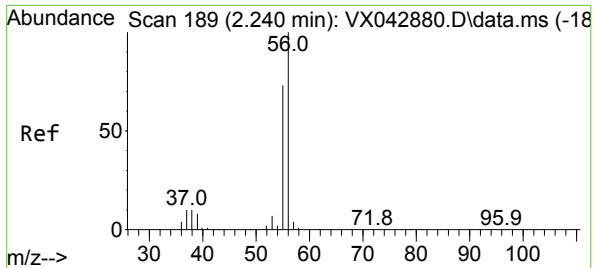
Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 34.2 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.996 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 59 Resp: 2508
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

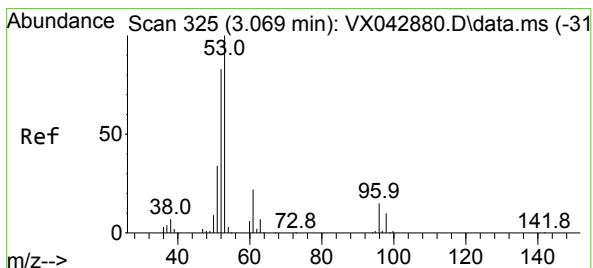
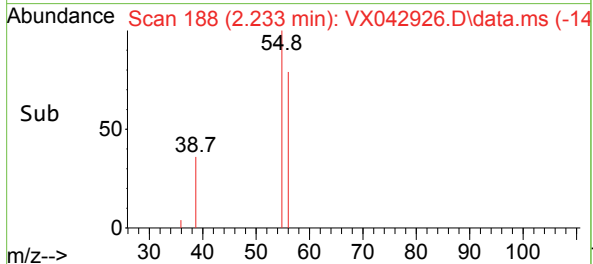
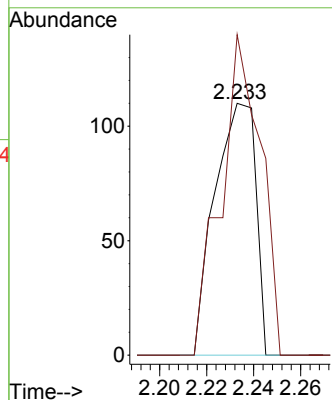
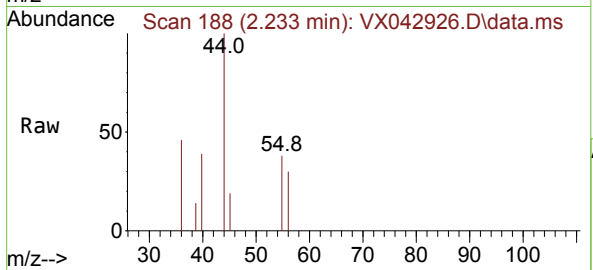




#13
Acrolein
Concen: 0.323 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

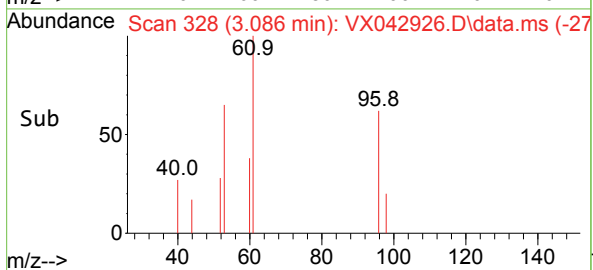
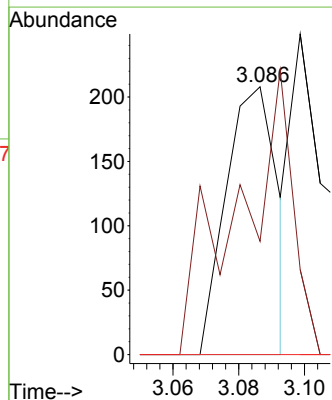
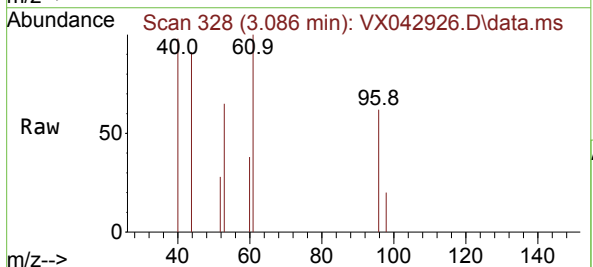
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

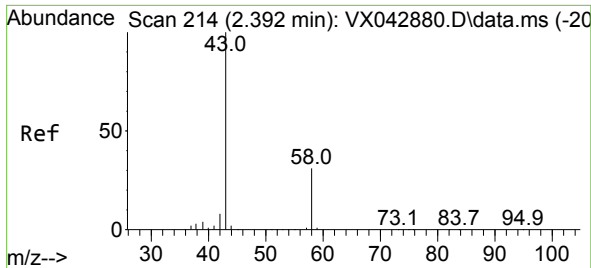
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 124.1 57.1 85.7#



#15
Acrylonitrile
Concen: 0.214 ug/l
RT: 3.086 min Scan# 328
Delta R.T. 0.018 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 53 Resp: 228
Ion Ratio Lower Upper
53 100
52 112.3 66.0 99.0#
51 0.0 29.8 44.6#

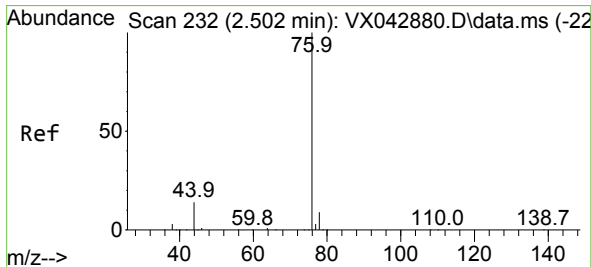
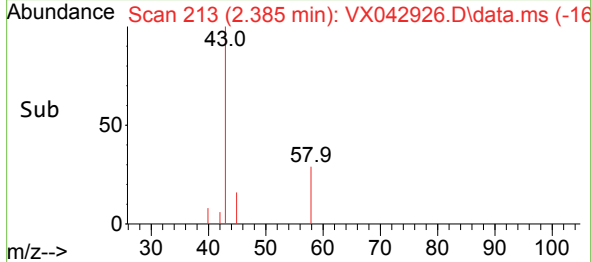
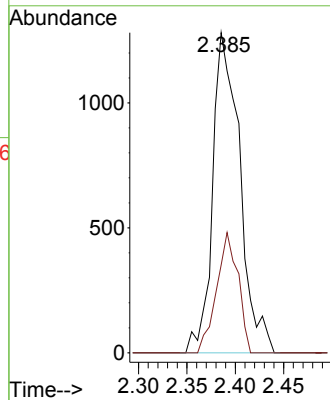
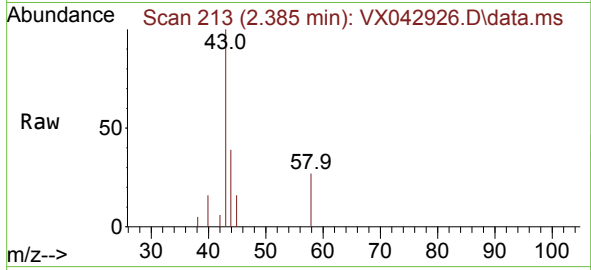




#16
Acetone
Concen: 2.742 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.007 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

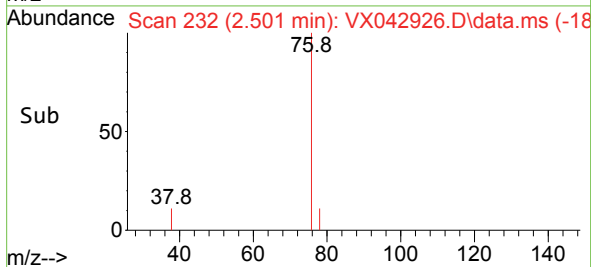
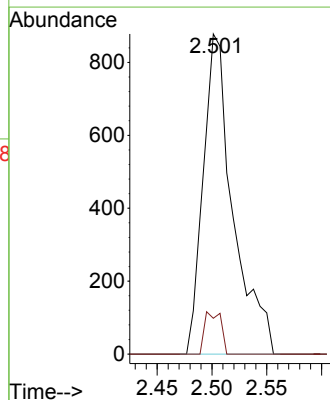
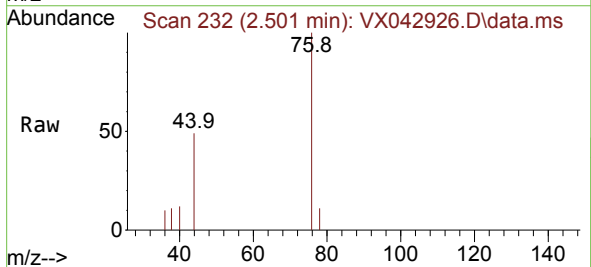
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

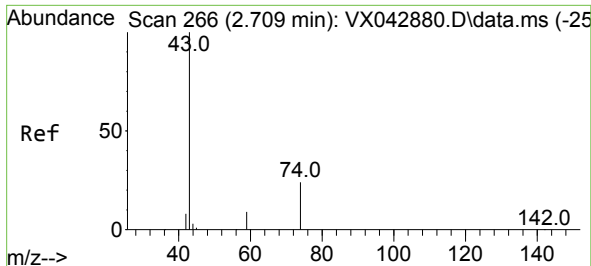
Tgt Ion: 43 Resp: 2501
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.405 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 76 Resp: 1663
Ion Ratio Lower Upper
76 100
78 11.2 7.0 10.6#





#18

Methyl Acetate

Concen: 0.300 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

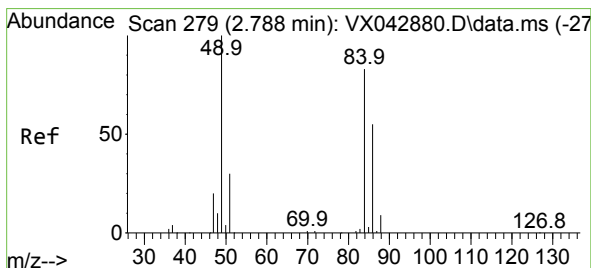
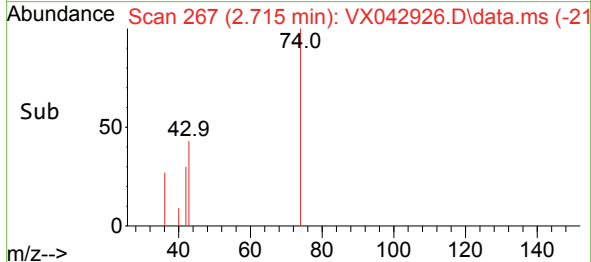
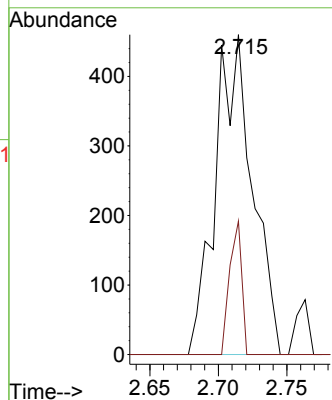
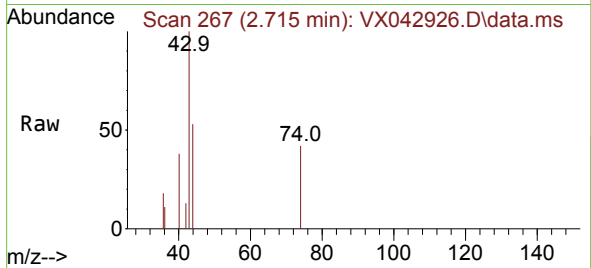
TOPSOIL

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

74 13.5 17.8 26.8#



#20

Methylene Chloride

Concen: 2.701 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

Tgt Ion: 84 Resp: 6784

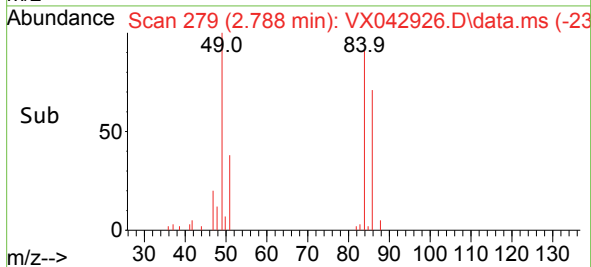
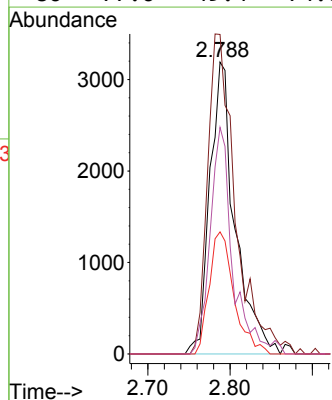
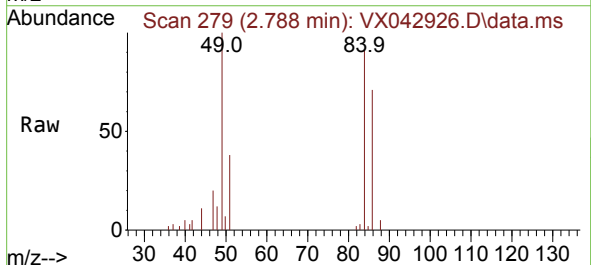
Ion Ratio Lower Upper

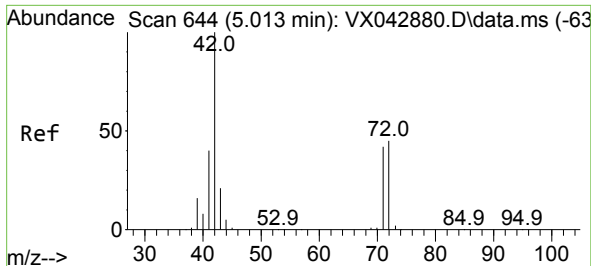
84 100

49 109.4 103.6 155.4

51 41.8 33.8 50.6

86 77.6 49.4 74.0#

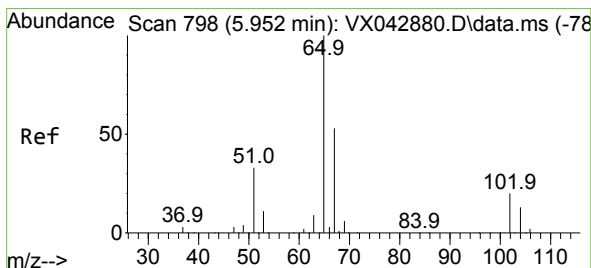
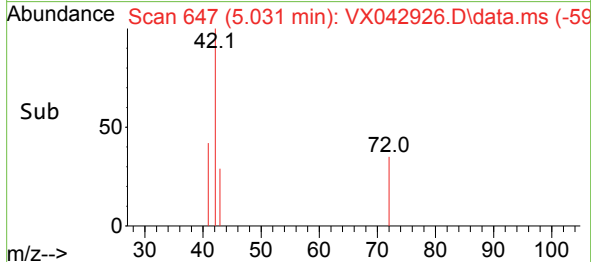
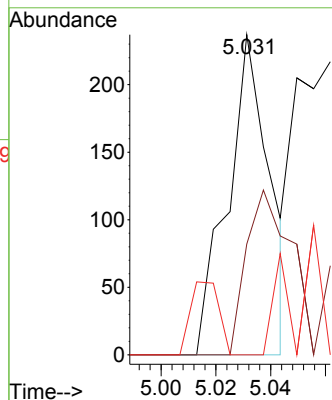
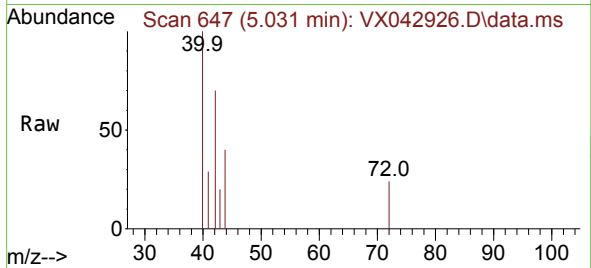




#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 5.031 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

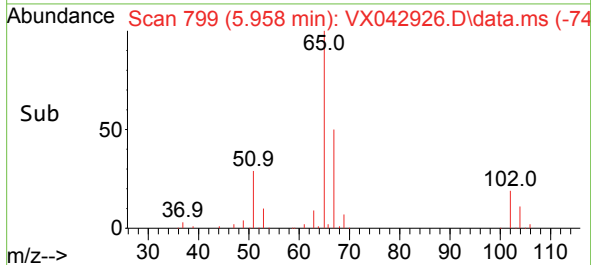
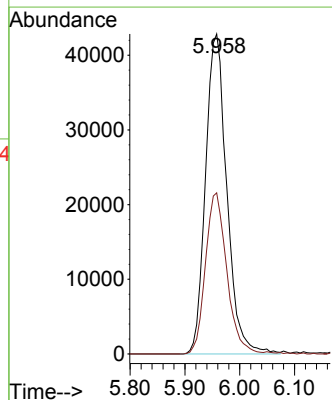
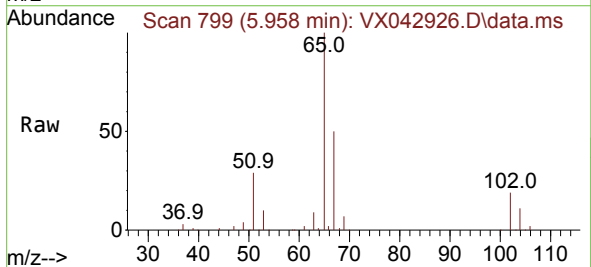
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

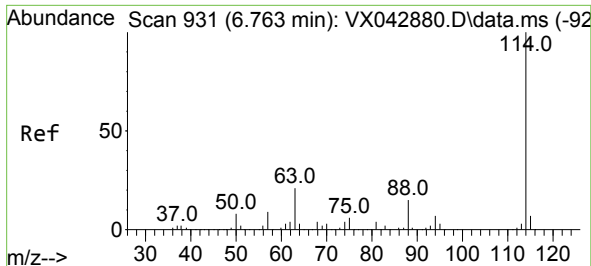
Tgt Ion: 42 Resp: 253
Ion Ratio Lower Upper
42 100
72 63.6 34.2 51.4#
71 10.7 32.2 48.2#



#33
1,2-Dichloroethane-d4
Concen: 54.829 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 65 Resp: 115308
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.2

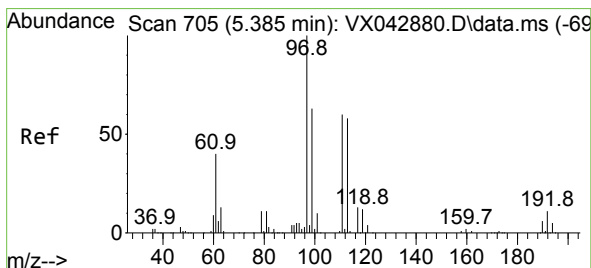
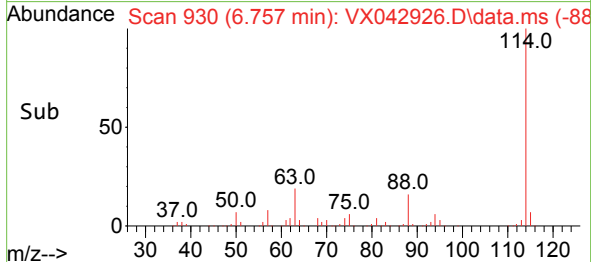
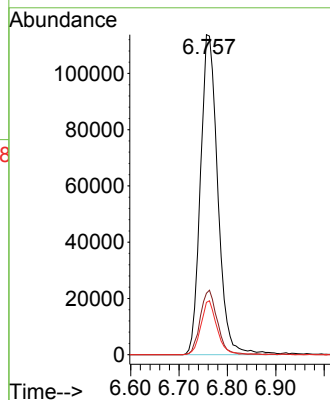
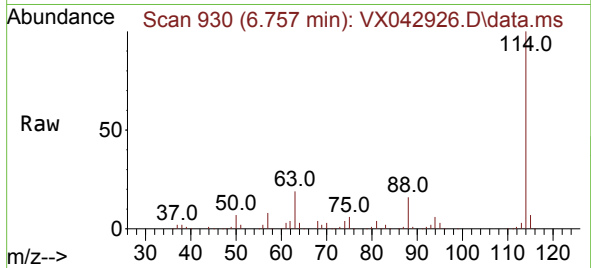




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

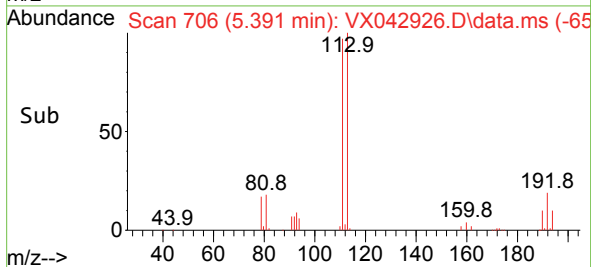
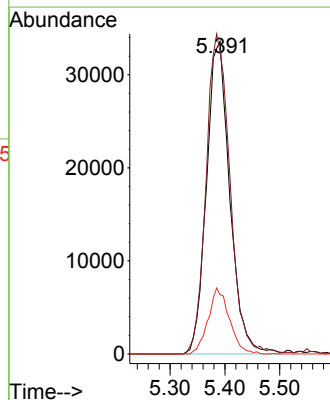
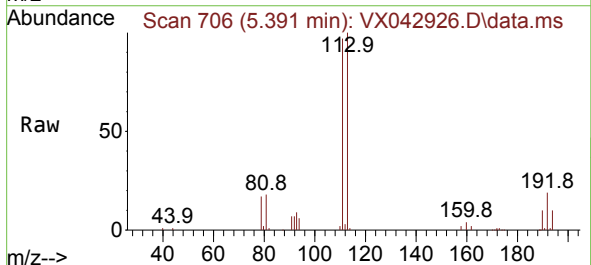
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

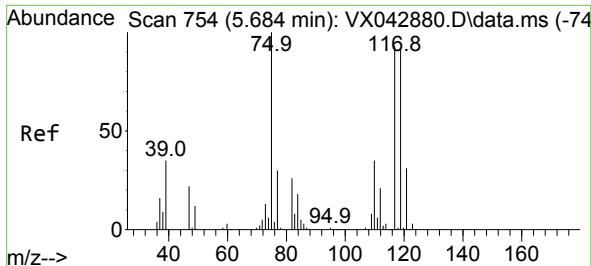
Tgt Ion:114 Resp: 283466
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.457 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion:113 Resp: 99079
Ion Ratio Lower Upper
113 100
111 105.0 82.9 124.3
192 19.3 13.3 19.9

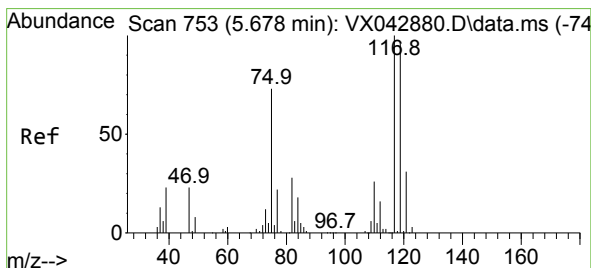
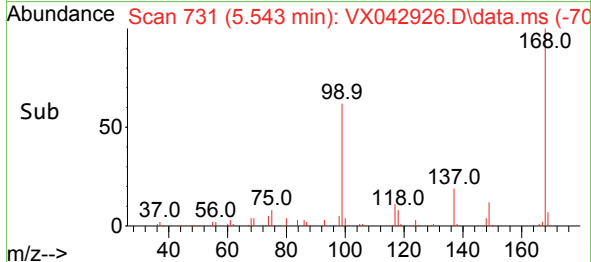
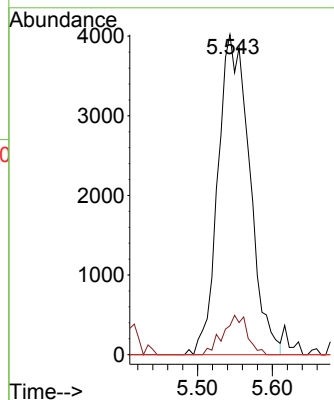
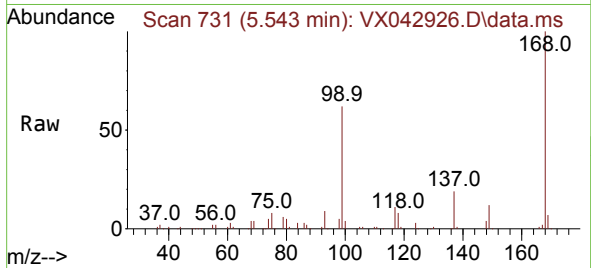




#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

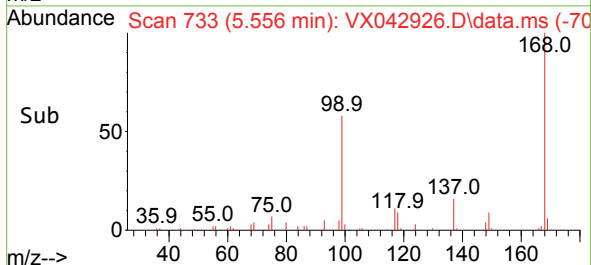
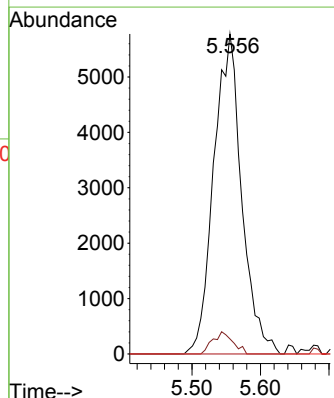
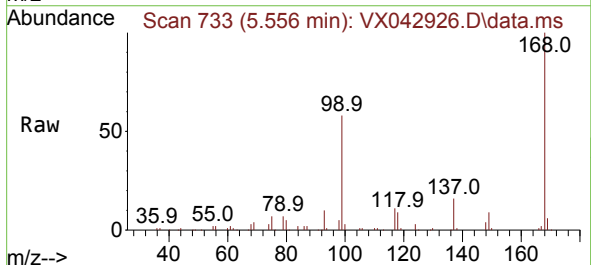
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

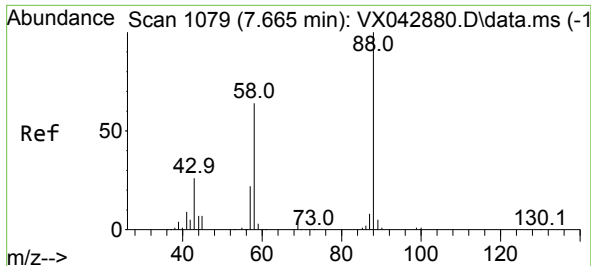
Tgt Ion: 75 Resp: 11801
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 117 Resp: 16342
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#

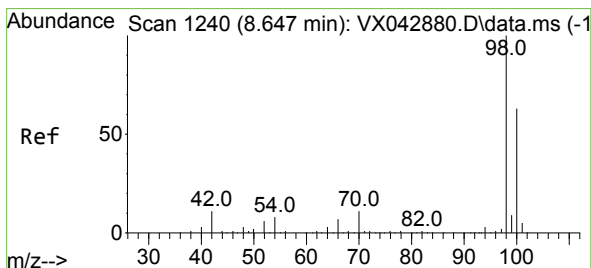
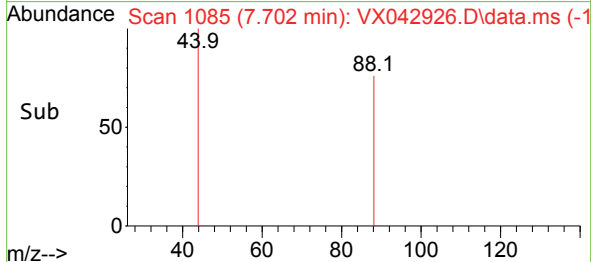
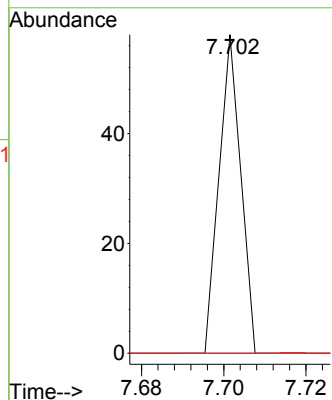
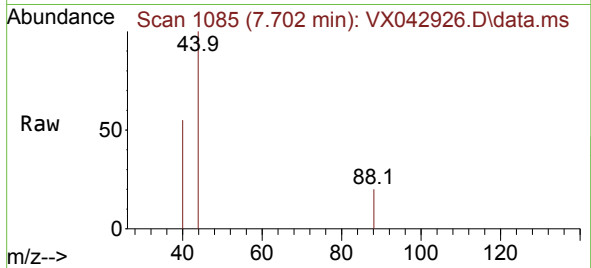




#49
1,4-Dioxane
Concen: 0.424 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.037 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

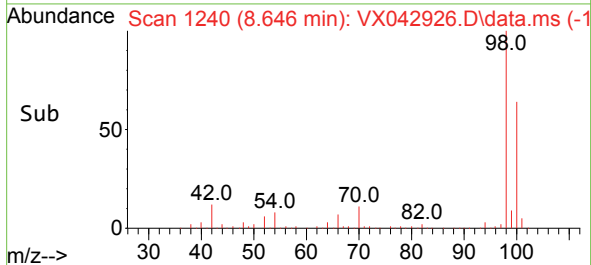
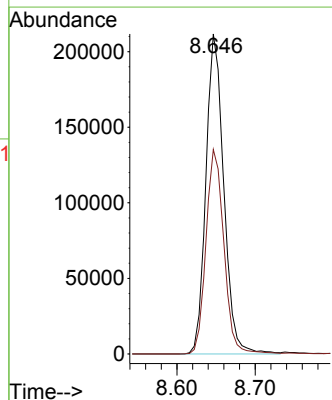
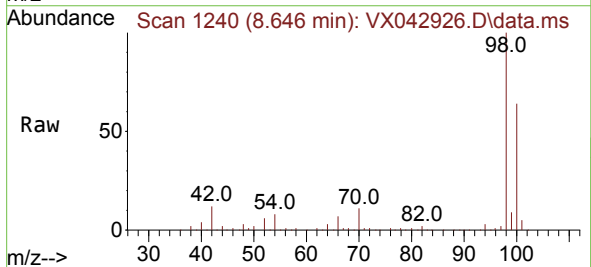
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

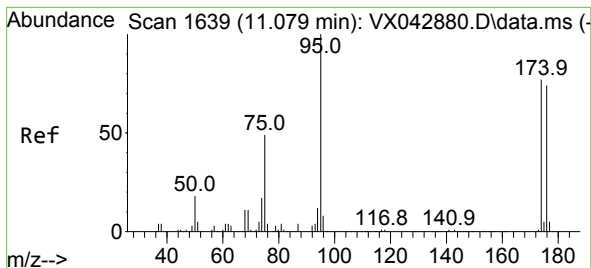
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 50.885 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 98 Resp: 334809
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

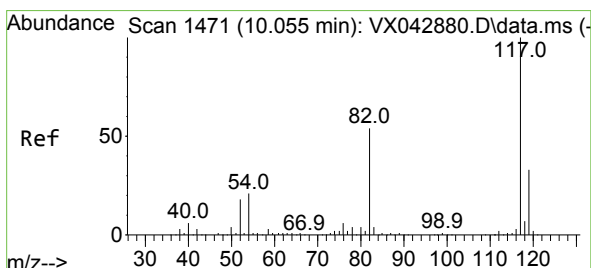
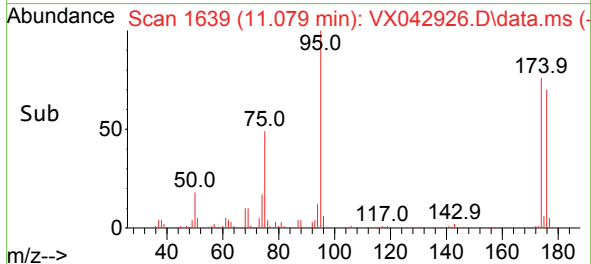
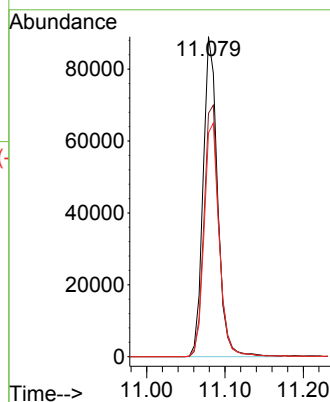
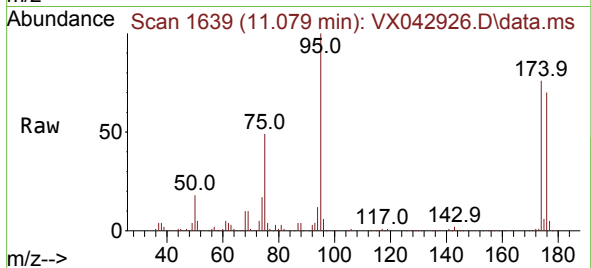




#62
4-Bromofluorobenzene
Concen: 48.188 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

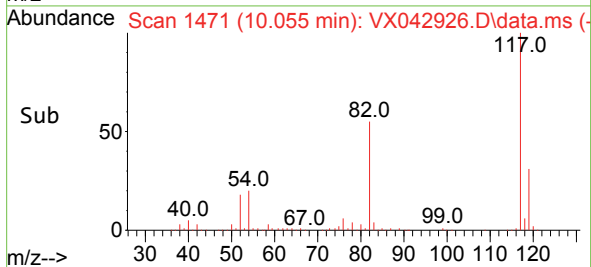
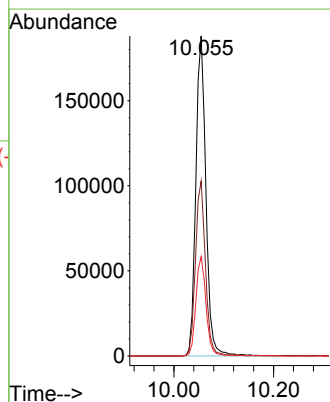
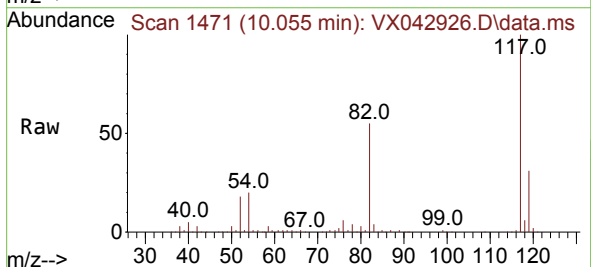
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

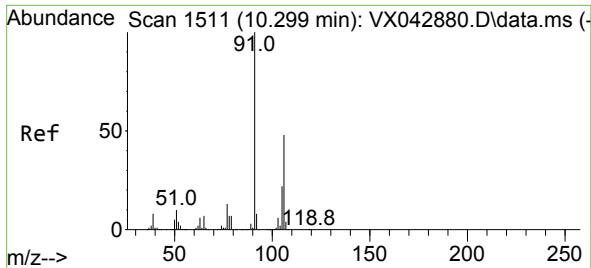
Tgt Ion: 95 Resp: 113936
Ion Ratio Lower Upper
95 100
174 82.2 0.0 135.6
176 76.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion: 117 Resp: 263970
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 31.1 25.5 38.3

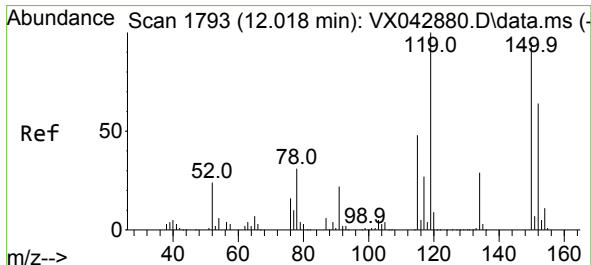
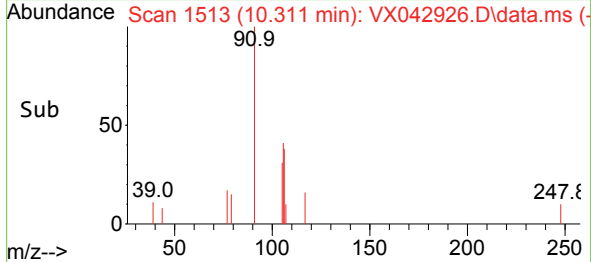
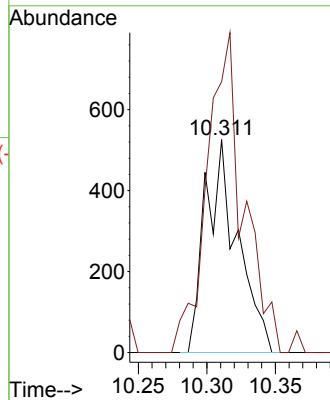
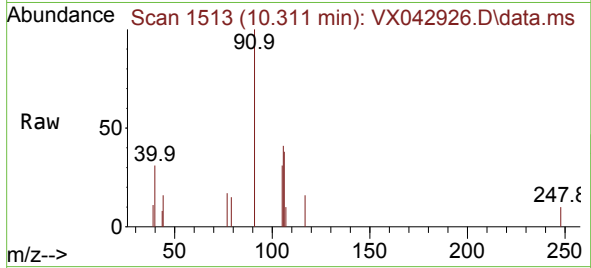




#68
m/p-Xylenes
Concen: 0.239 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

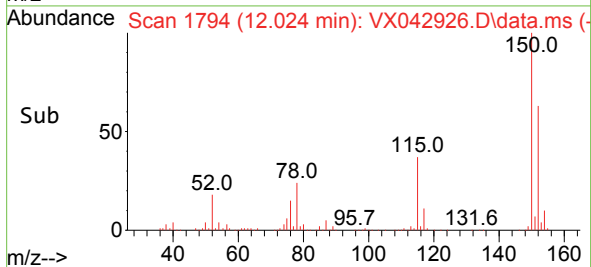
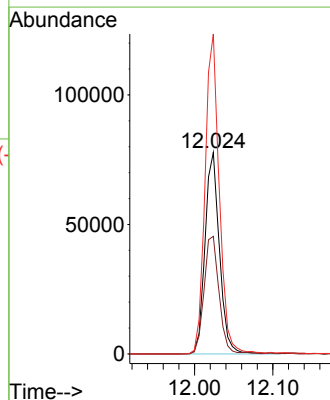
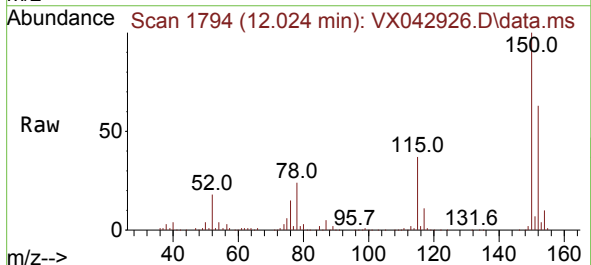
Instrument :
MSVOA_X
ClientSampleId :
TOPSOIL

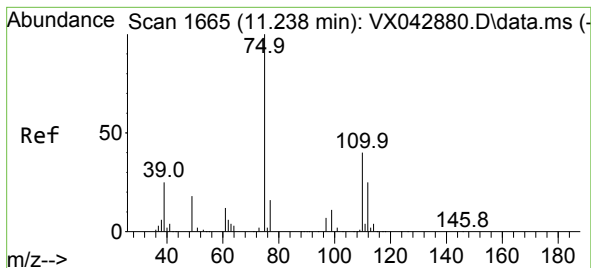
Tgt Ion:106 Resp: 858
Ion Ratio Lower Upper
106 100
91 169.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042926.D
Acq: 07 Aug 2024 19:18

Tgt Ion:152 Resp: 99642
Ion Ratio Lower Upper
152 100
115 60.7 43.3 129.9
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.813 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

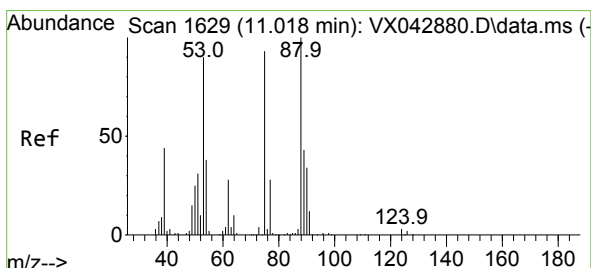
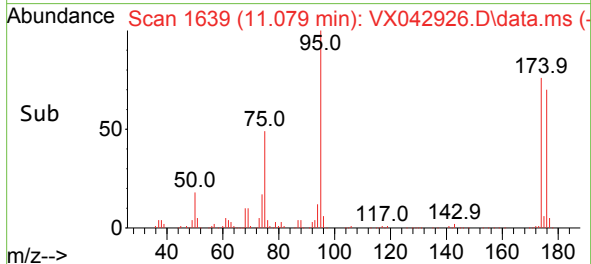
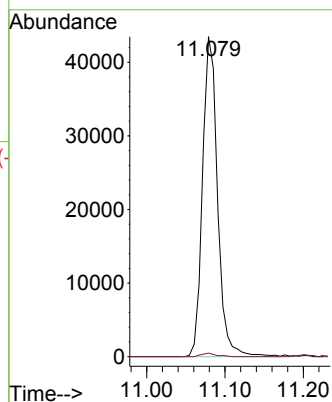
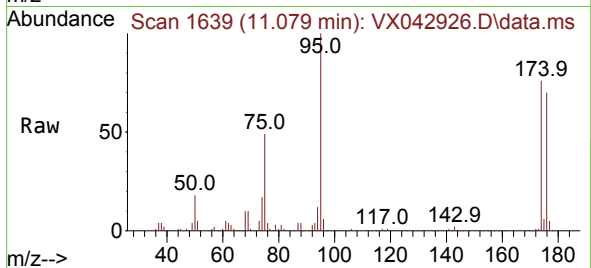
TOPSOIL

Tgt Ion: 75 Resp: 57844

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.930 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

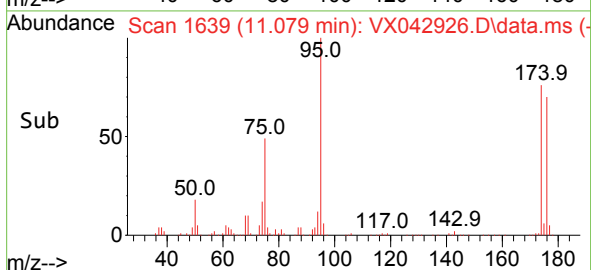
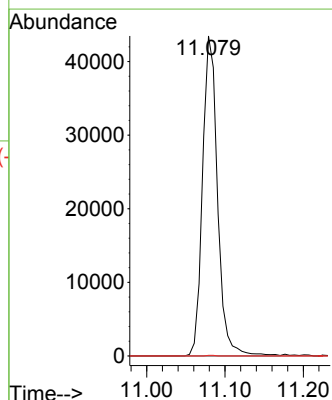
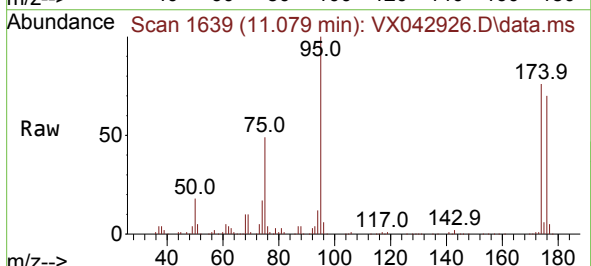
Tgt Ion: 75 Resp: 57844

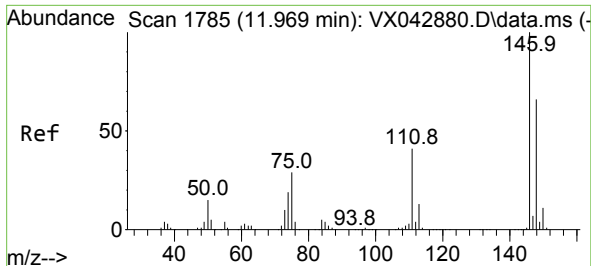
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

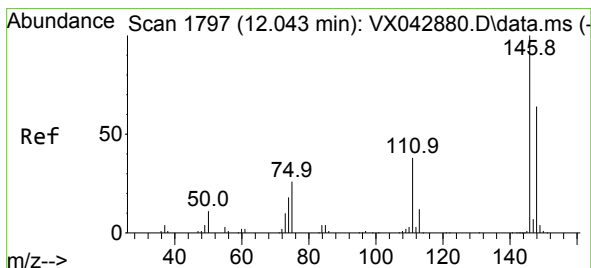
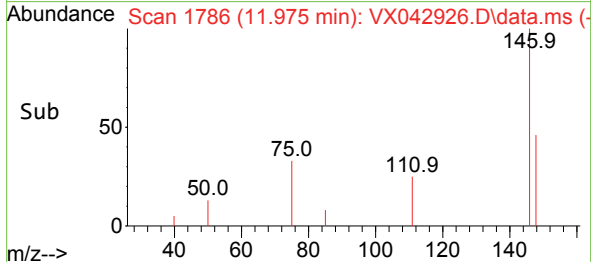
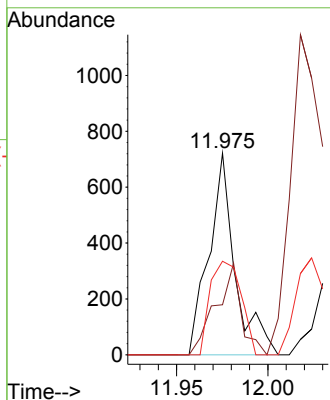
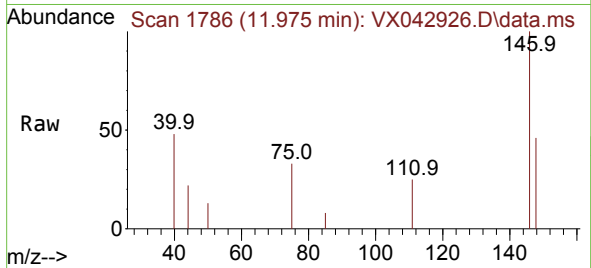




#87
 1,3-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX042926.D
 Acq: 07 Aug 2024 19:18

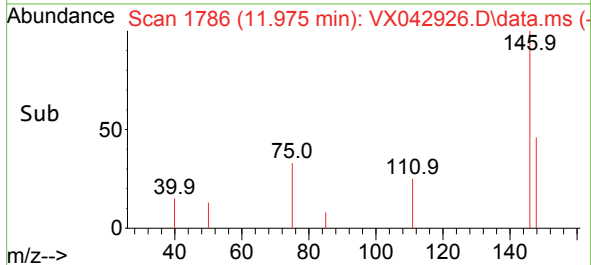
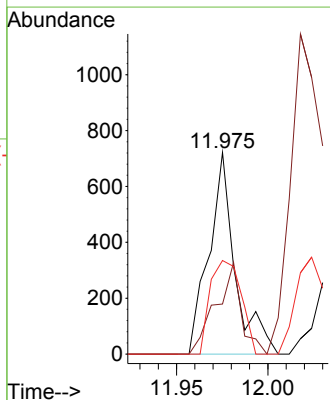
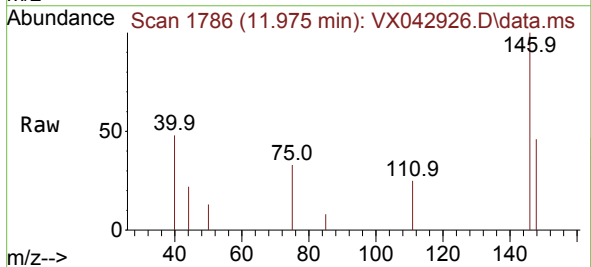
Instrument :
 MSVOA_X
 ClientSampleId :
 TOPSOIL

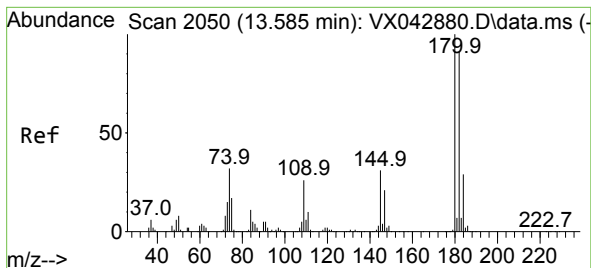
Tgt Ion:146	Resp:	720
Ion Ratio	Lower	Upper
146	100	
111	43.8	22.1 66.1
148	55.1	31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 0.212 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. -0.067 min
 Lab File: VX042926.D
 Acq: 07 Aug 2024 19:18

Tgt Ion:146	Resp:	720
Ion Ratio	Lower	Upper
146	100	
111	43.8	21.3 63.7
148	55.1	31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.403 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

TOPSOIL

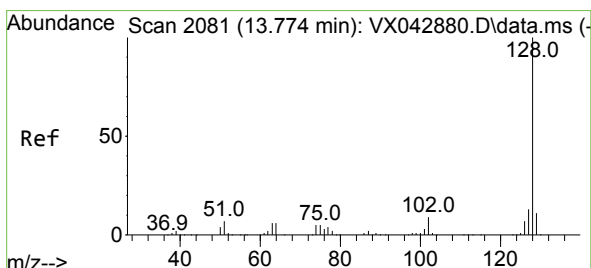
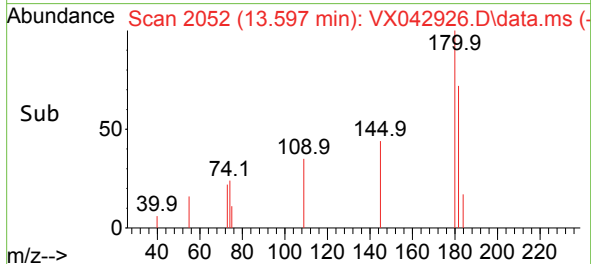
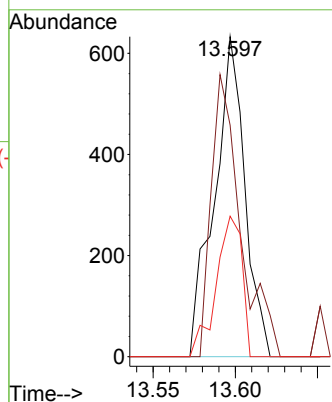
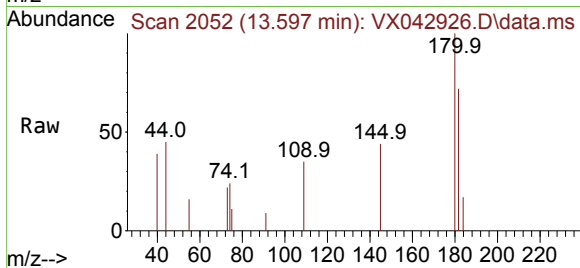
Tgt Ion:180 Resp: 816

Ion Ratio Lower Upper

180 100

182 84.4 48.3 144.8

145 37.4 18.0 54.0



#95

Naphthalene

Concen: 0.610 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042926.D

Acq: 07 Aug 2024 19:18

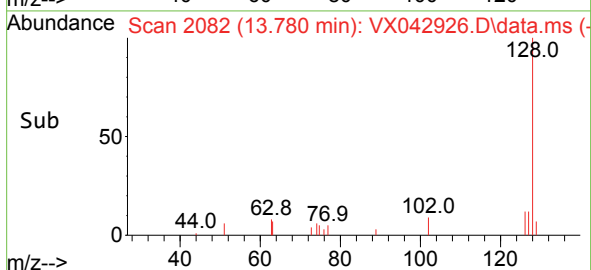
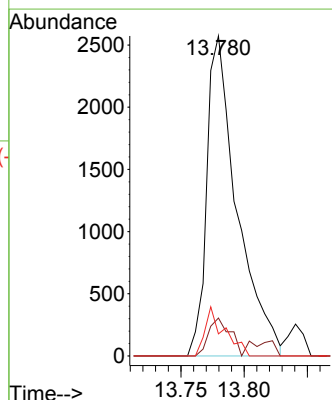
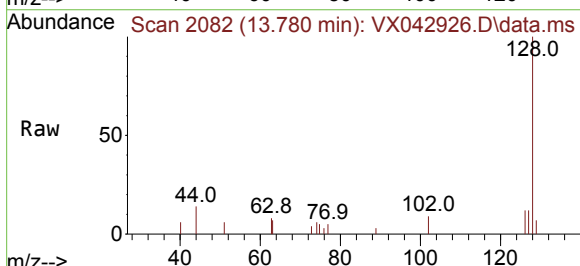
Tgt Ion:128 Resp: 4277

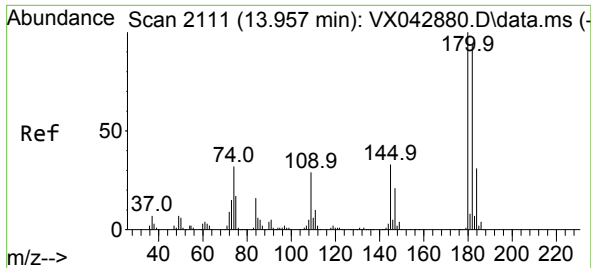
Ion Ratio Lower Upper

128 100

127 8.5 10.3 15.5#

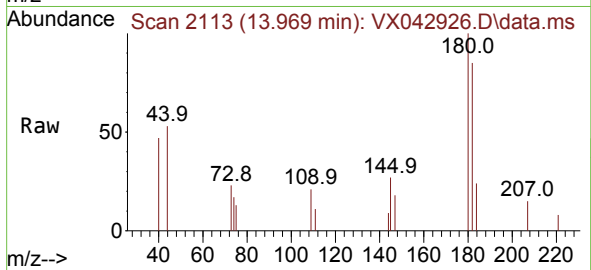
129 9.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.407 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX042926.D
 Acq: 07 Aug 2024 19:18

Instrument :
 MSVOA_X
 ClientSampleId :
 TOPSOIL



Tgt Ion:	180	Resp:	829
Ion	Ratio	Lower	Upper
180	100		
182	99.9	46.9	140.6
145	29.4	17.8	53.5

