

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026160.D
 Acq On : 30 Dec 2021 12:01
 Operator : JC/MD
 Sample : M5208-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP-SOIL-1

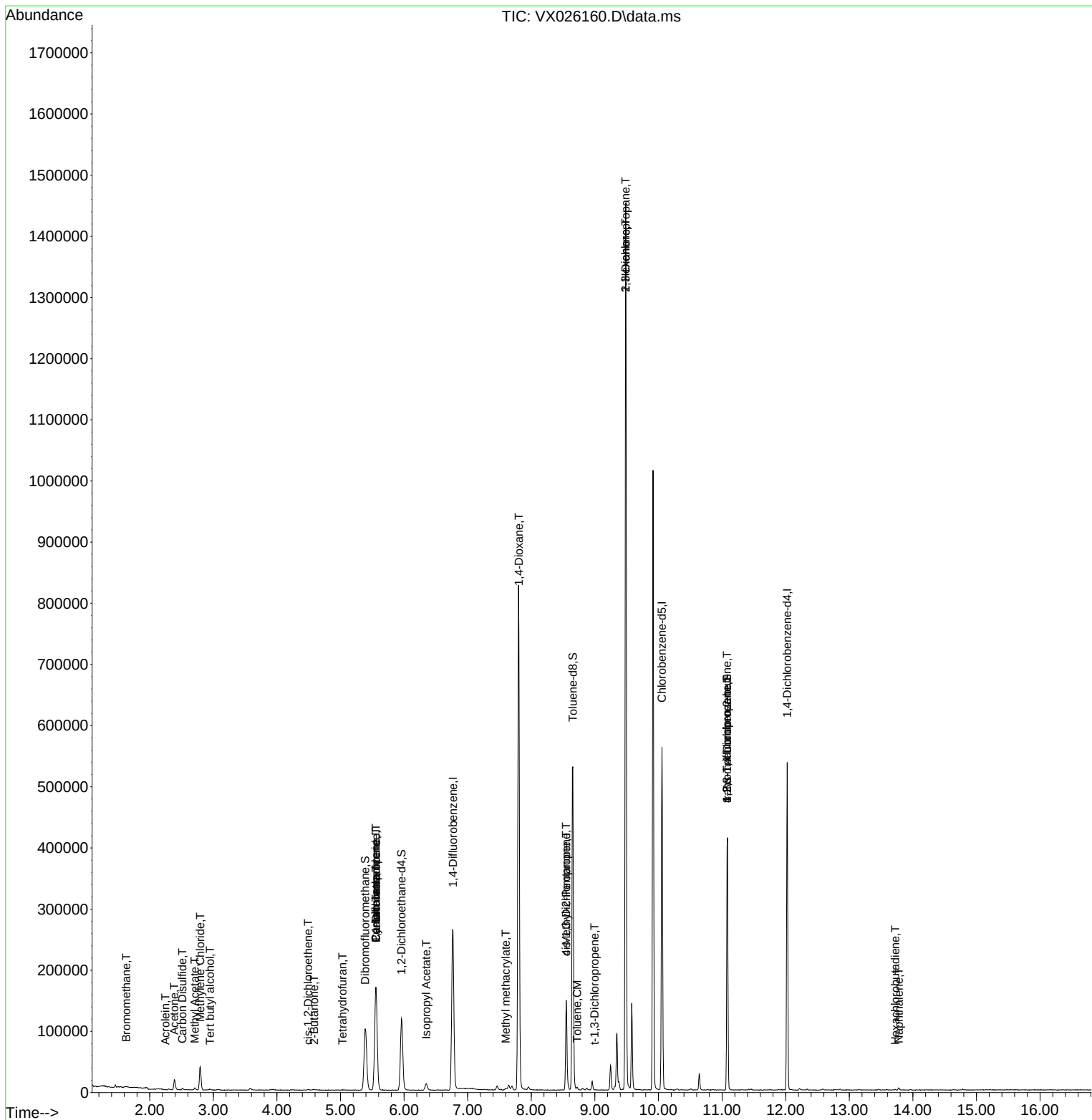
Quant Time: Dec 31 01:09:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

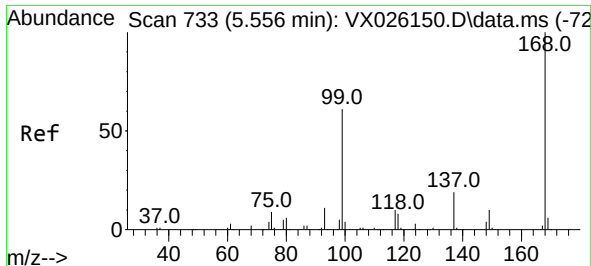
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	150356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	111712	51.357	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.385	113	86445	52.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.653	98	306616	49.750	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.500%			
62) 4-Bromofluorobenzene	11.079	95	103575	47.209	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.420%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	282	0.236	ug/l #	65
11) Tert butyl alcohol	2.946	59	1005	2.313	ug/l #	73
13) Acrolein	2.245	56	72	0.463	ug/l #	47
16) Acetone	2.386	43	20063	17.023	ug/l	97
17) Carbon Disulfide	2.514	76	3312	0.693	ug/l	99
18) Methyl Acetate	2.709	43	4090	1.070	ug/l	92
20) Methylene Chloride	2.794	84	16112	7.751	ug/l	95
25) 2-Butanone	4.586	43	2226	1.356	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	603	0.292	ug/l	77
29) Tetrahydrofuran	5.031	42	341	0.330	ug/l #	67
31) Cyclohexane	5.556	56	3917	1.264	ug/l #	33
36) 1,1-Dichloropropene	5.556	75	13030	4.876	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16062	5.403	ug/l #	15
43) Isopropyl Acetate	6.348	43	14936	2.958	ug/l	94
48) Methyl methacrylate	7.598	41	4307	1.778	ug/l #	12
49) 1,4-Dioxane	7.805	88	45	1.008	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	52602	16.738	ug/l #	49
52) Toluene	8.720	92	1196	0.255	ug/l	97
53) t-1,3-Dichloropropene	8.994	75	40	1.905	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	21299	6.845	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	12088	3.657	ug/l #	42
59) 2-Hexanone	9.482	43	183673	77.155	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	57653	24.256	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57653	70.172	ug/l #	10
94) Hexachlorobutadiene	13.725	225	246	0.284	ug/l	79
95) Naphthalene	13.780	128	2579	0.339	ug/l	98

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

Quant Time: Dec 31 01:09:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration

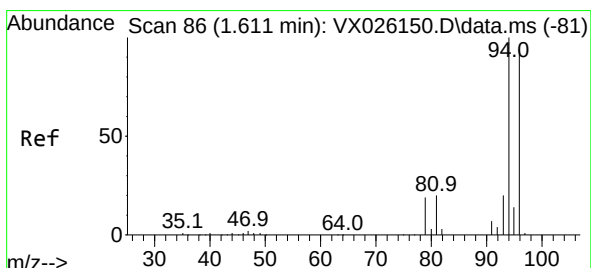
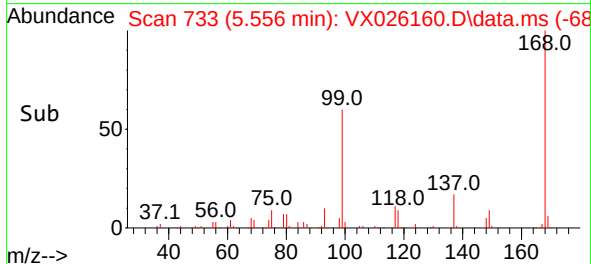
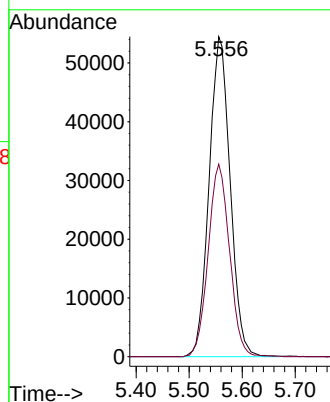
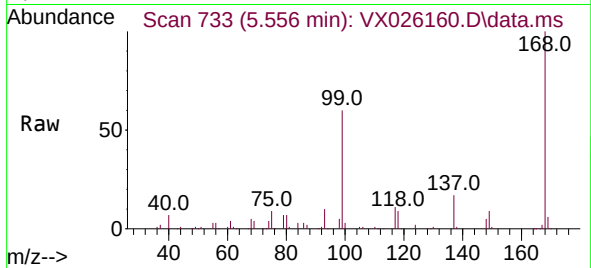




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

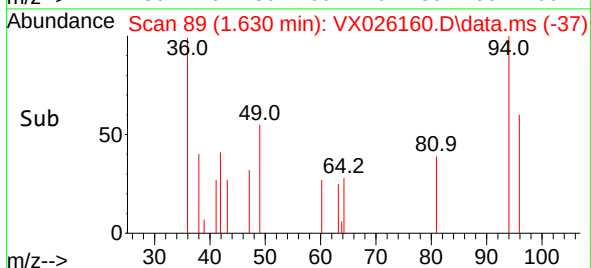
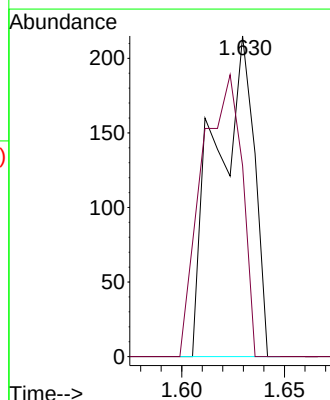
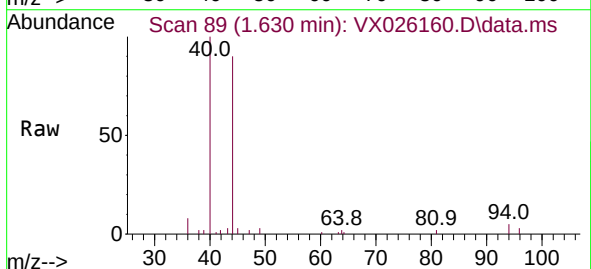
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

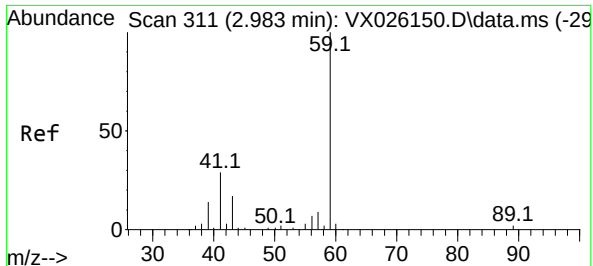
Tgt Ion:168 Resp: 150356
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.8



#5
Bromomethane
Concen: 0.236 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.019 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 59.5 75.0 112.4#

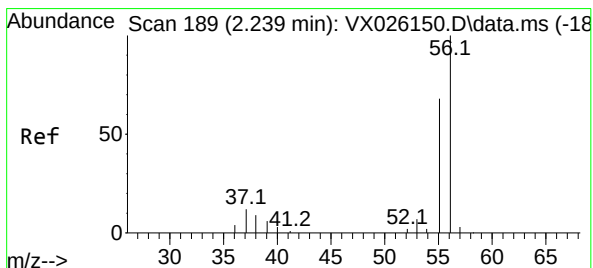
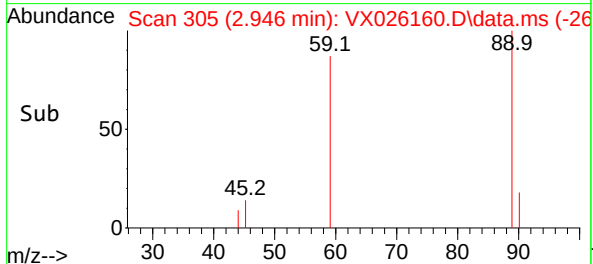
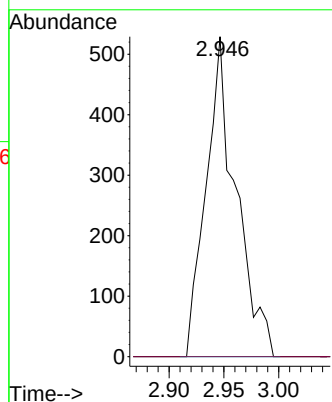
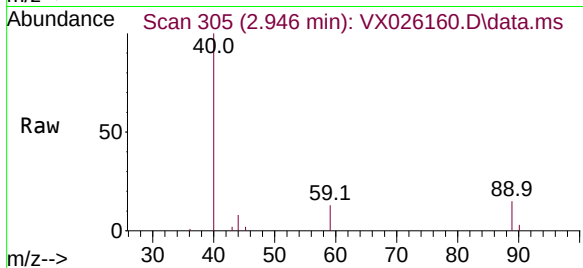




#11
Tert butyl alcohol
Concen: 2.313 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

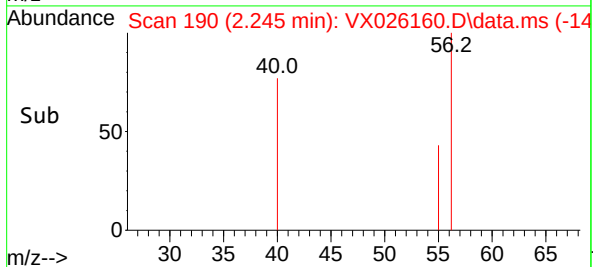
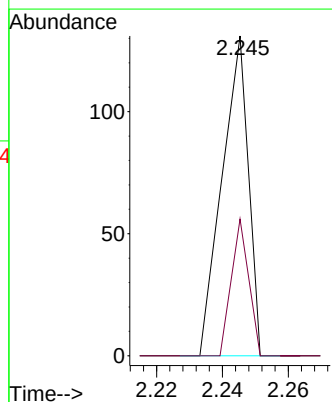
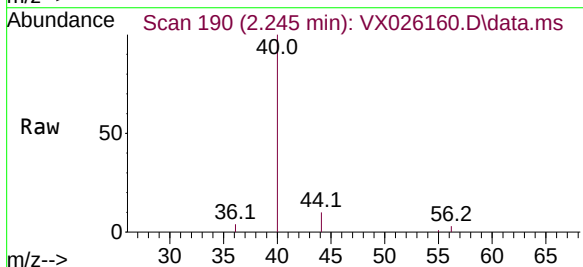
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

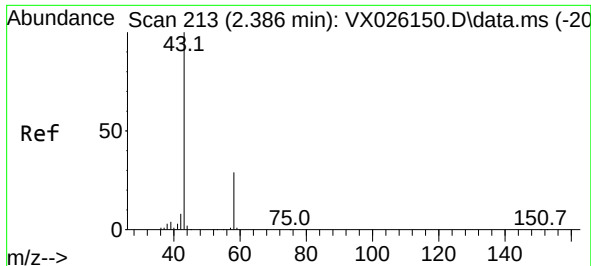
Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.463 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 27.8 57.4 86.2#

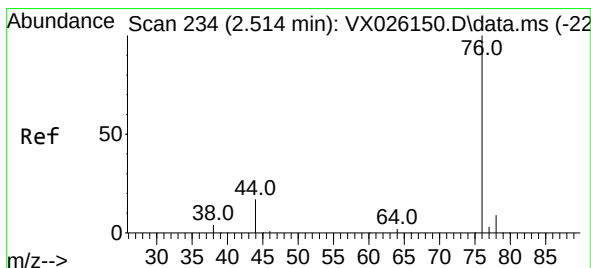
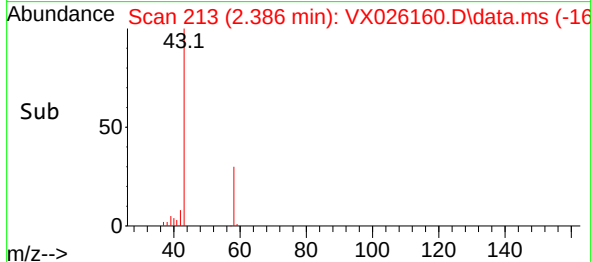
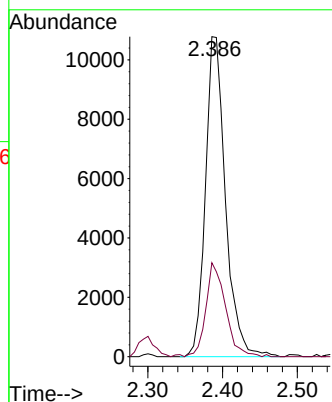
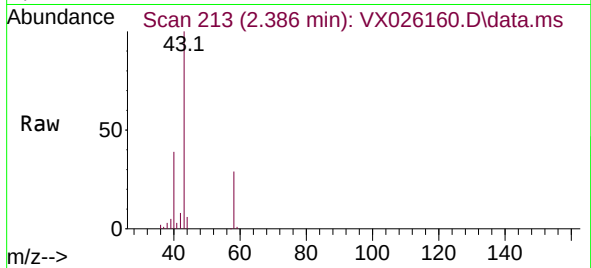




#16
Acetone
Concen: 17.023 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

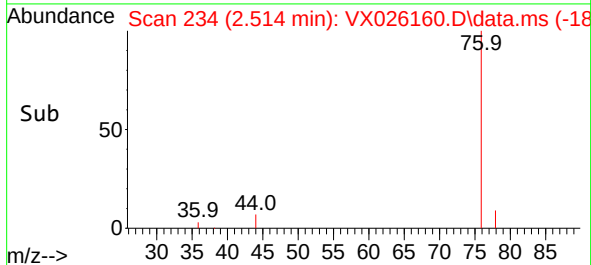
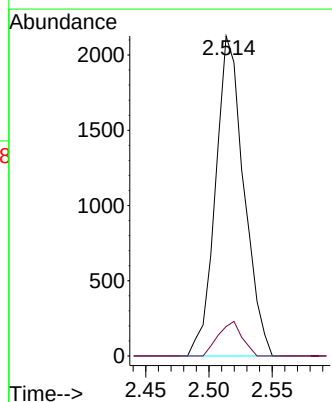
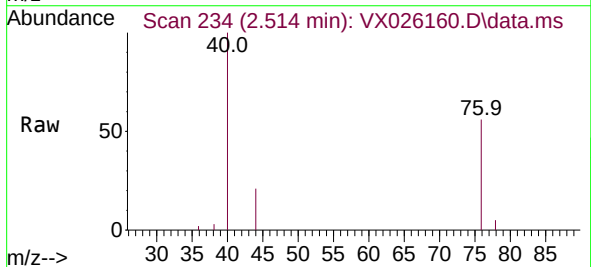
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

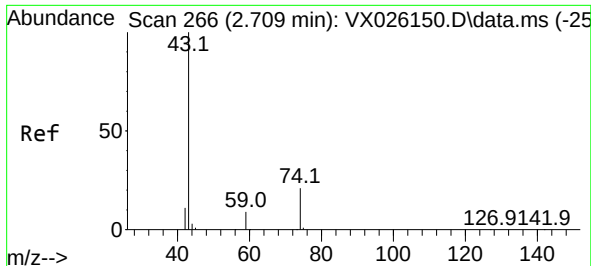
Tgt Ion: 43 Resp: 20063
Ion Ratio Lower Upper
43 100
58 29.4 24.8 37.2



#17
Carbon Disulfide
Concen: 0.693 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 76 Resp: 3312
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

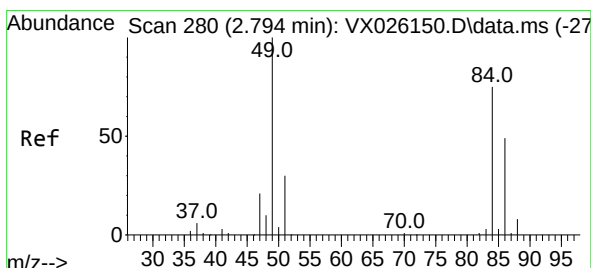
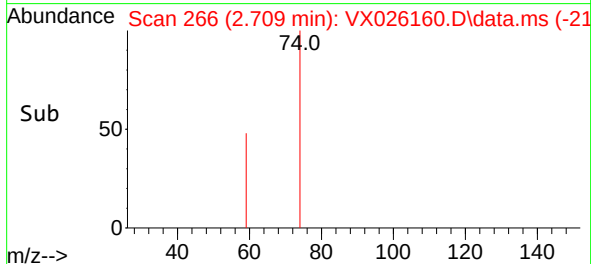
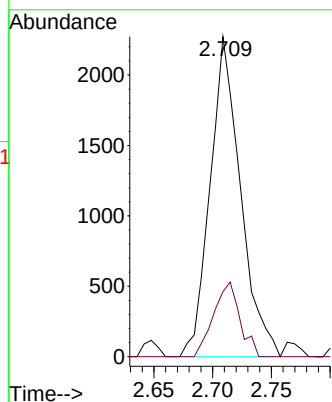
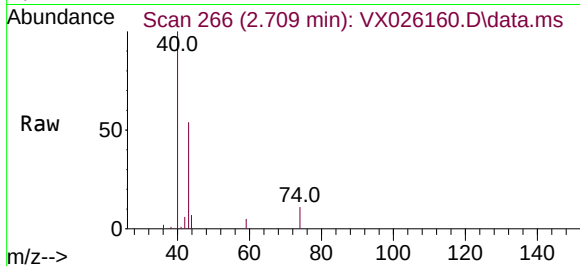




#18
Methyl Acetate
Concen: 1.070 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

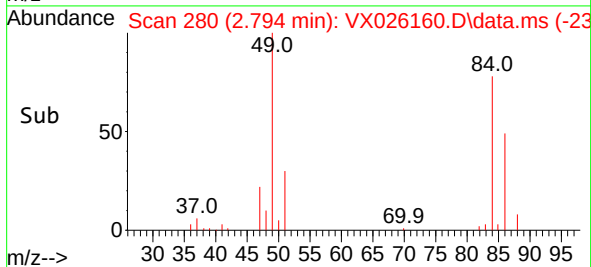
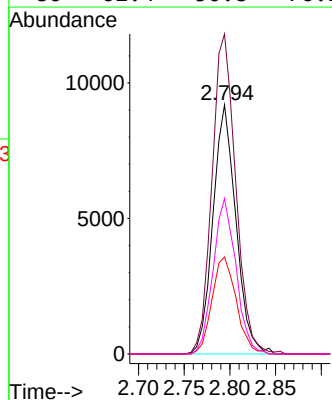
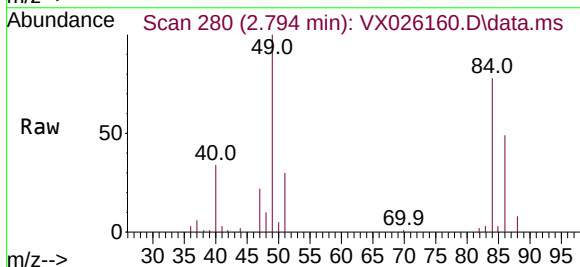
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

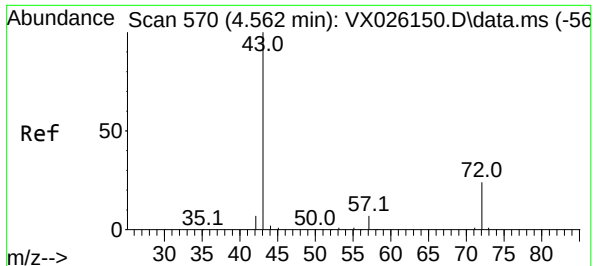
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
74 20.1 19.1 28.7



#20
Methylene Chloride
Concen: 7.751 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 84 Resp: 16112
Ion Ratio Lower Upper
84 100
49 128.5 97.1 145.7
51 39.0 29.3 43.9
86 62.4 50.8 76.2

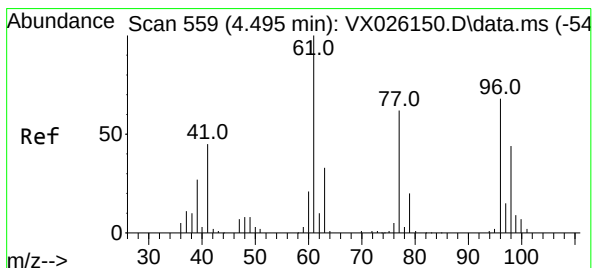
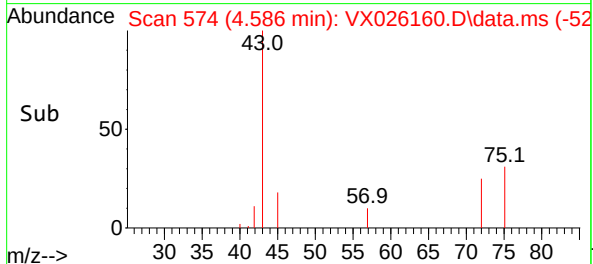
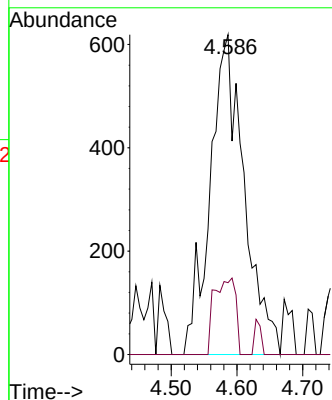
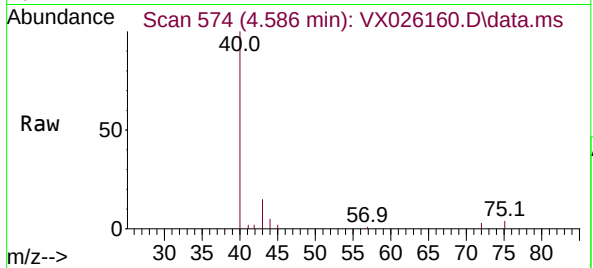




#25
2-Butanone
Concen: 1.356 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

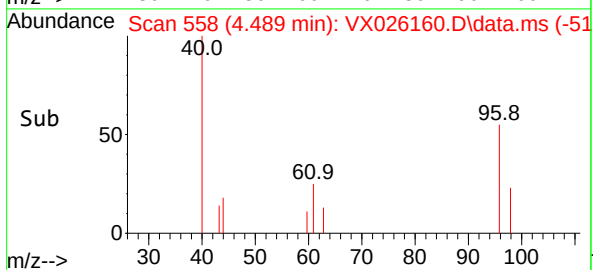
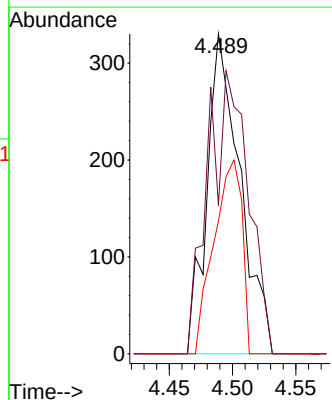
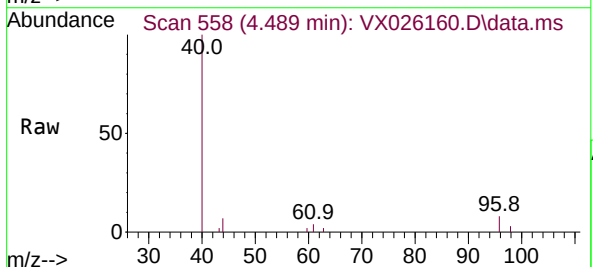
Instrument :
MSVOA_X
ClientSampleId :
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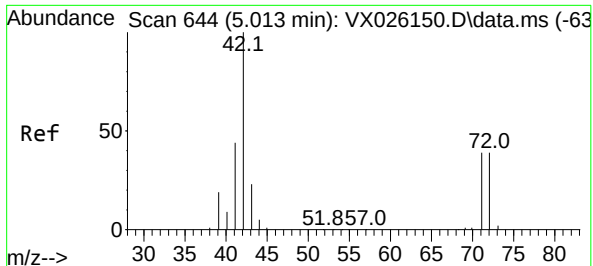
Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
72 22.5 21.0 31.4



#27
cis-1,2-Dichloroethene
Concen: 0.292 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 107.6 0.0 276.8
98 51.2 0.0 130.6





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

Instrument :

MSVOA_X

ClientSampleId :

WP-SOIL-1

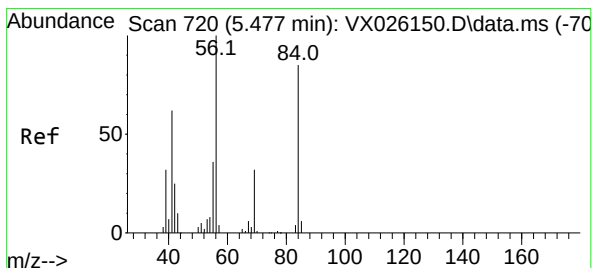
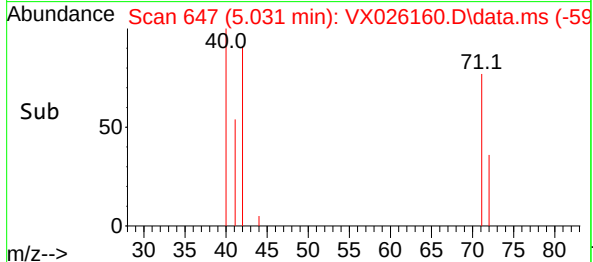
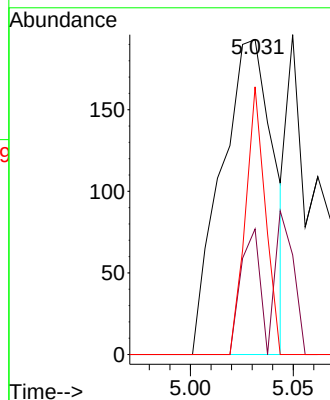
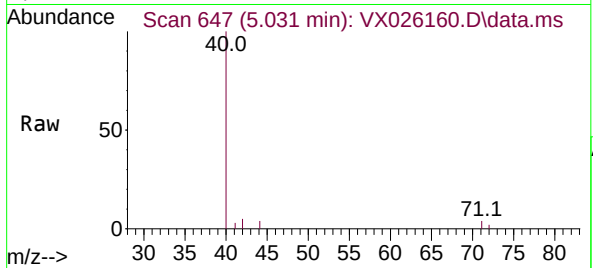
Tgt Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

72 14.7 37.0 55.6#

71 32.3 34.1 51.1#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

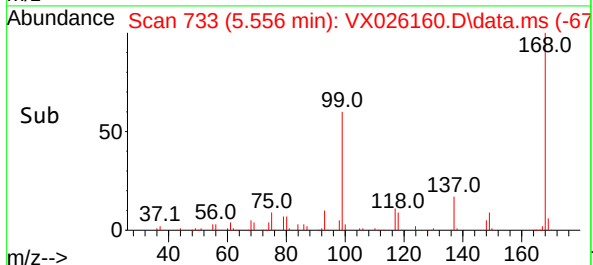
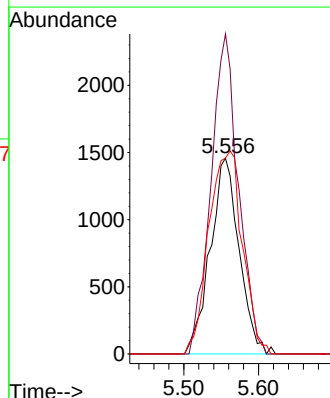
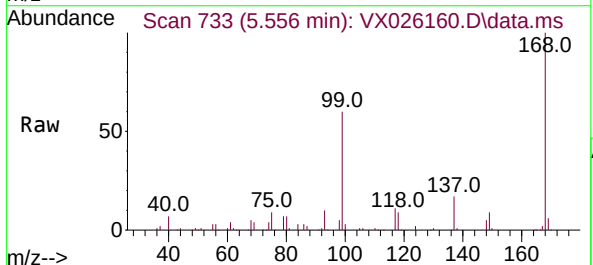
Tgt Ion: 56 Resp: 3917

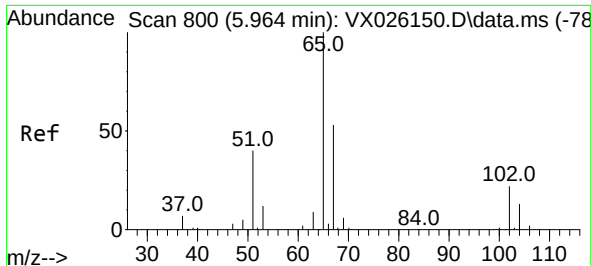
Ion Ratio Lower Upper

56 100

69 163.4 23.9 35.9#

84 100.0 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 51.357 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

Instrument :

MSVOA_X

ClientSampleId :

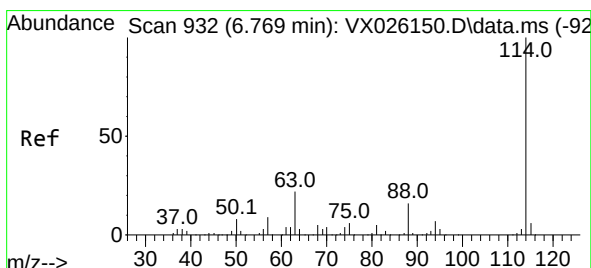
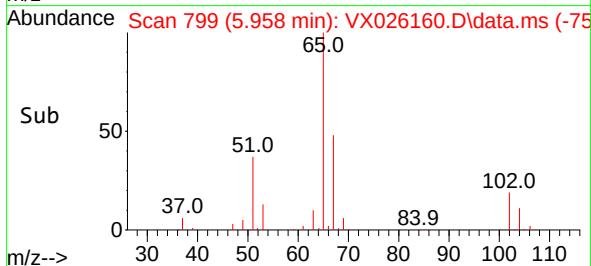
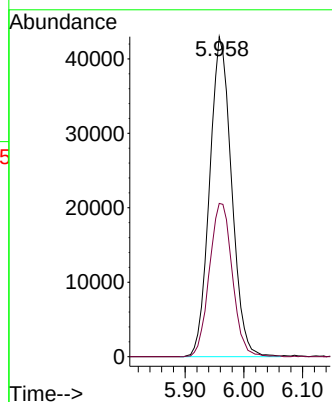
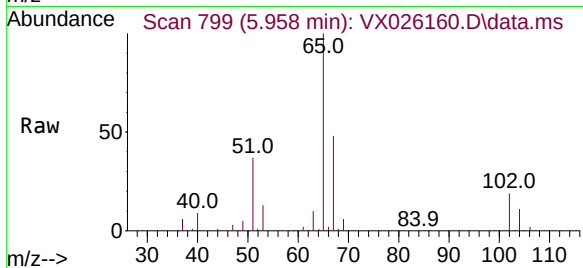
WP-SOIL-1

Tgt Ion: 65 Resp: 111712

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

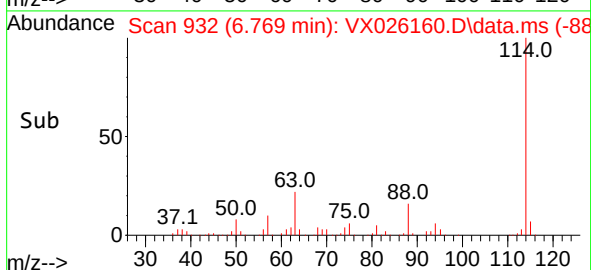
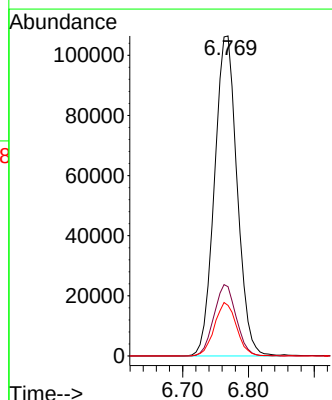
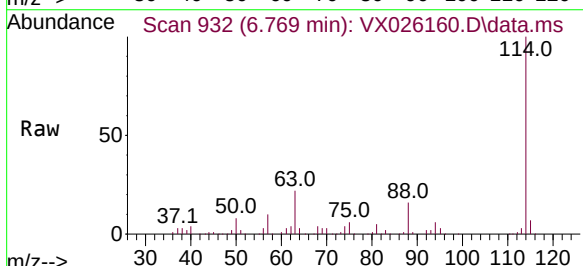
Tgt Ion: 114 Resp: 254858

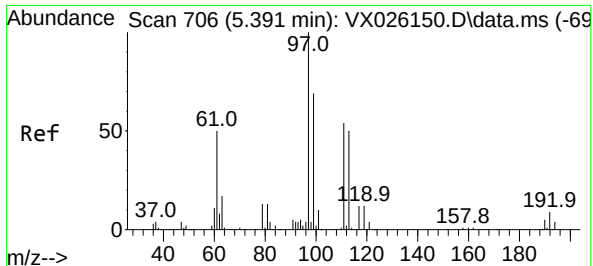
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.172 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX026160.D

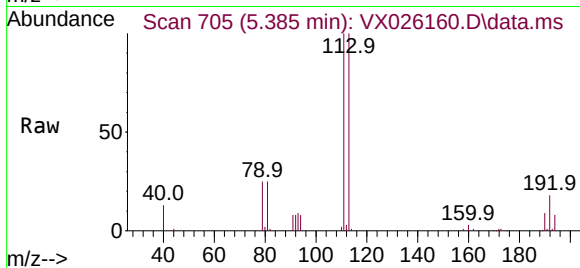
Acq: 30 Dec 2021 12:01

Instrument :

MSVOA_X

ClientSampleId :

WP-SOIL-1



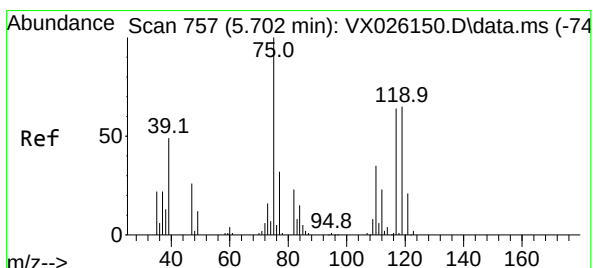
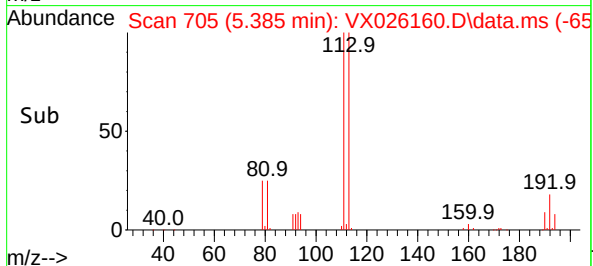
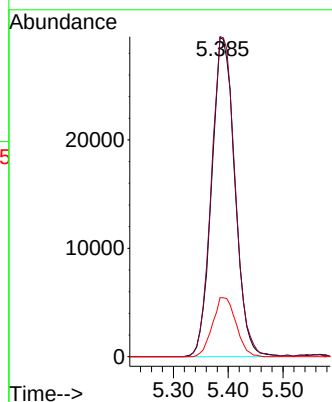
Tgt Ion:113 Resp: 86445

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

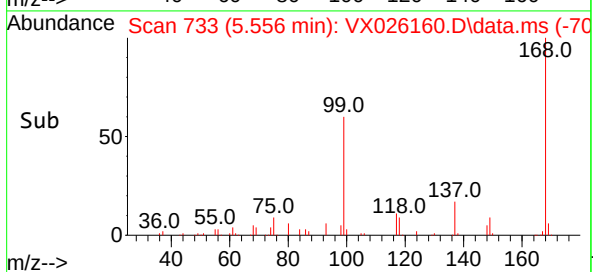
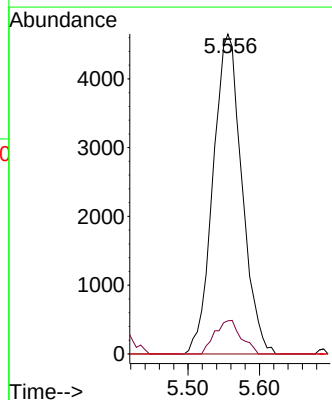
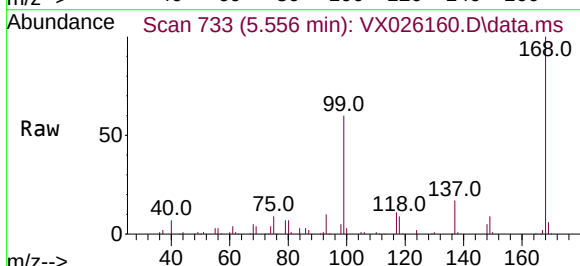
Tgt Ion: 75 Resp: 13030

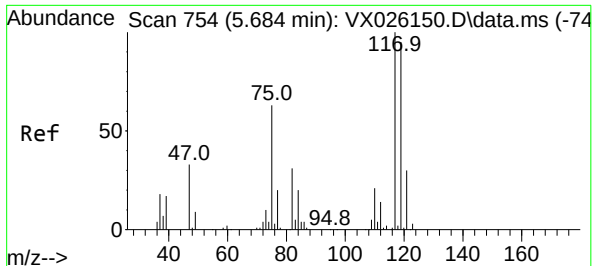
Ion Ratio Lower Upper

75 100

110 9.5 18.2 54.6#

77 0.0 24.7 37.1#

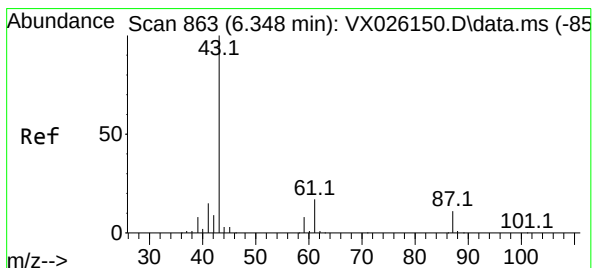
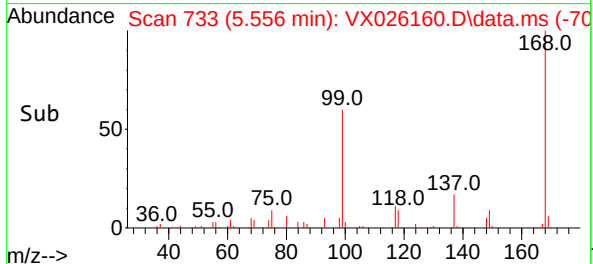
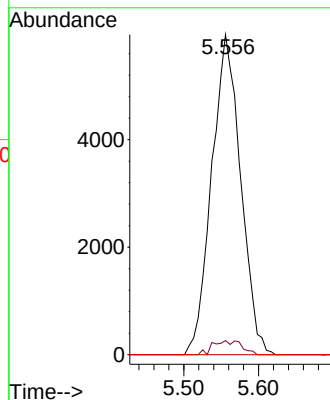
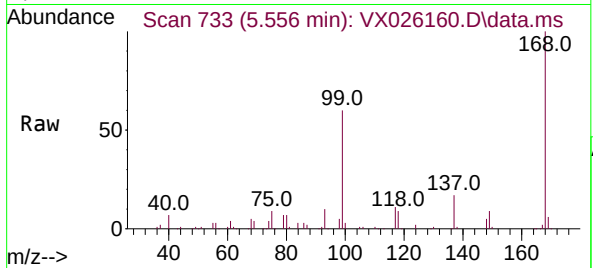




#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

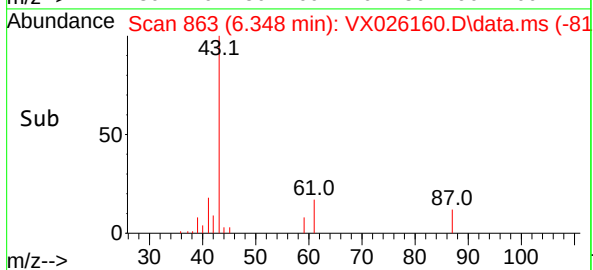
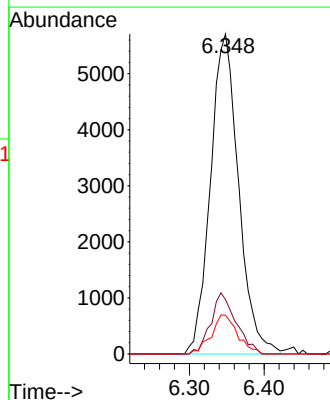
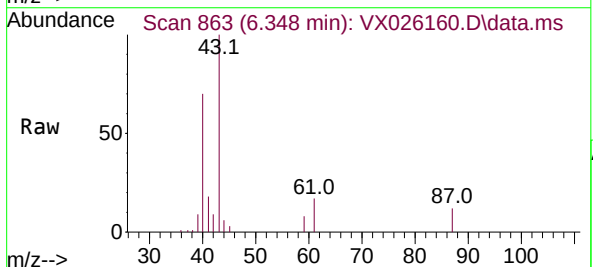
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

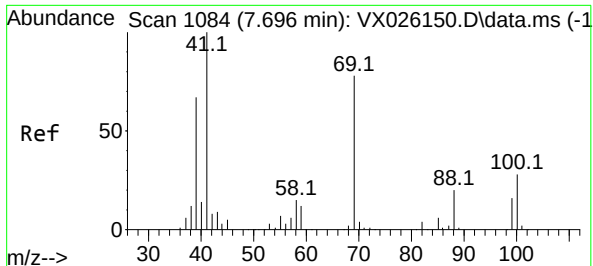
Tgt Ion:117 Resp: 16062
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.958 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 43 Resp: 14936
Ion Ratio Lower Upper
43 100
61 17.1 15.7 23.5
87 11.4 11.2 16.8





#48

Methyl methacrylate

Concen: 1.778 ug/l

RT: 7.598 min Scan# 1102

Delta R.T. -0.098 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

Instrument :

MSVOA_X

ClientSampleId :

WP-SOIL-1

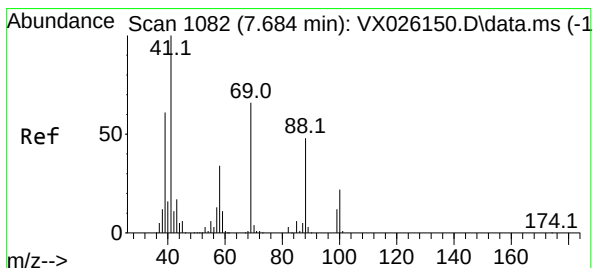
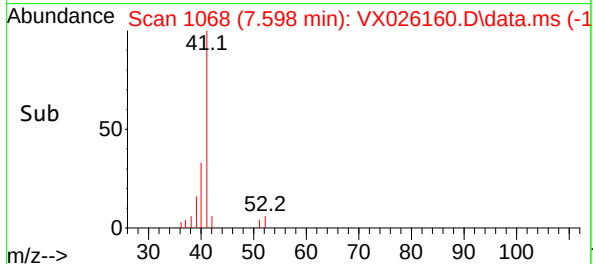
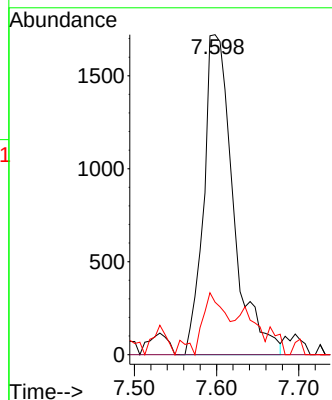
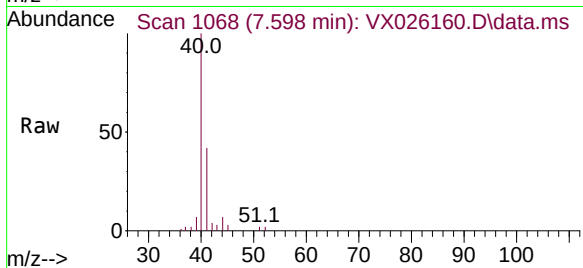
Tgt Ion: 41 Resp: 4307

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 1.008 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

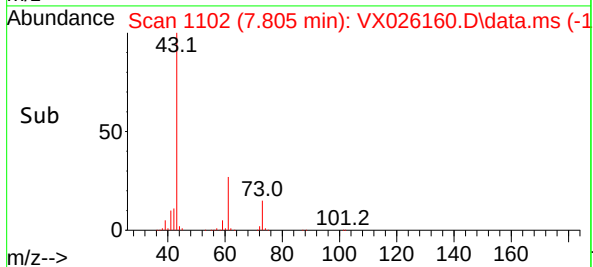
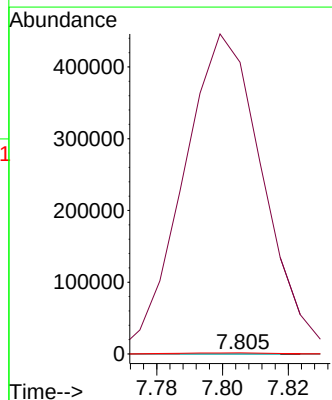
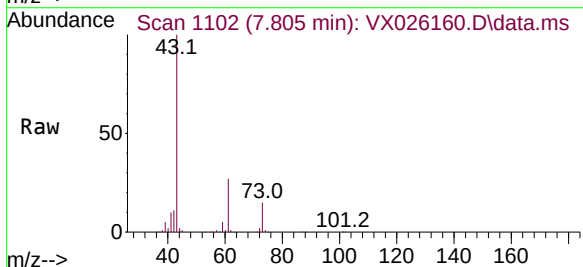
Tgt Ion: 88 Resp: 45

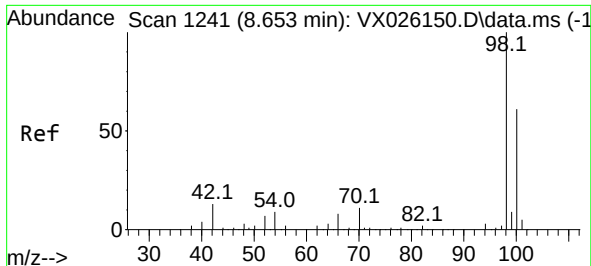
Ion Ratio Lower Upper

88 100

43 1695120.0 25.3 37.9#

58 7073.3 51.8 77.6#

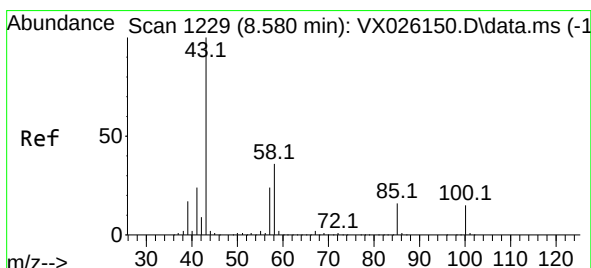
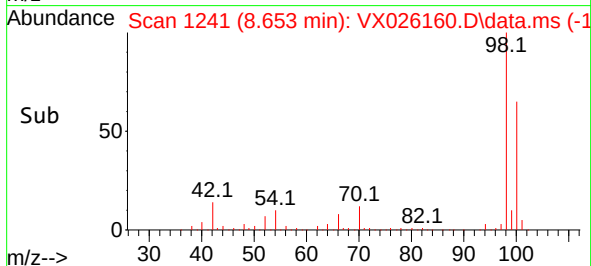
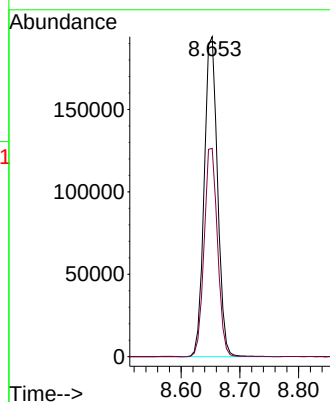
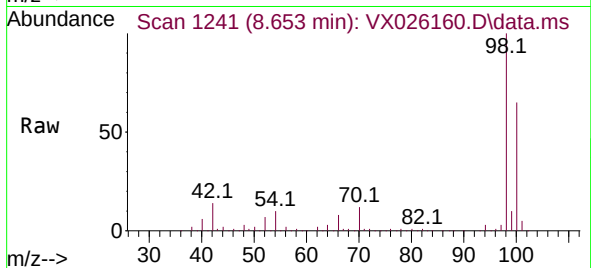




#50
Toluene-d8
Concen: 49.750 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

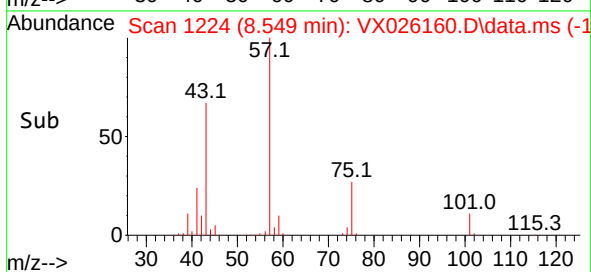
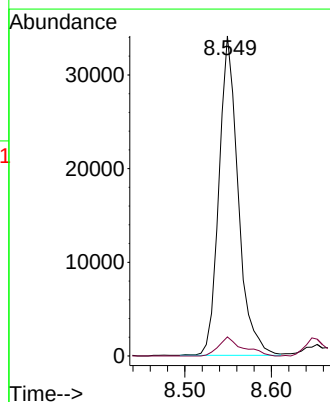
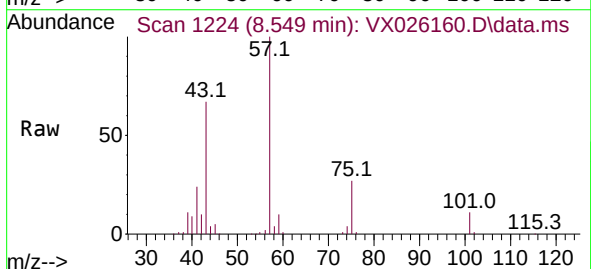
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

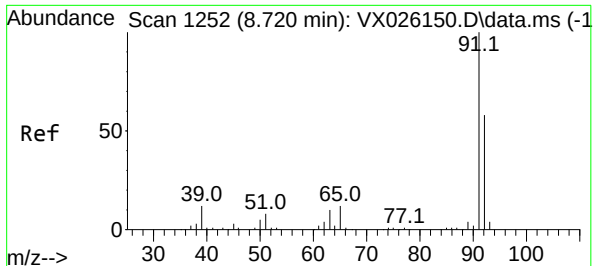
Tgt Ion: 98 Resp: 306616
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.738 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 43 Resp: 52602
Ion Ratio Lower Upper
43 100
58 7.4 30.8 46.2#





#52

Toluene

Concen: 0.255 ug/l

RT: 8.720 min Scan# 1196

Delta R.T. -0.000 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

Instrument :

MSVOA_X

ClientSampleId :

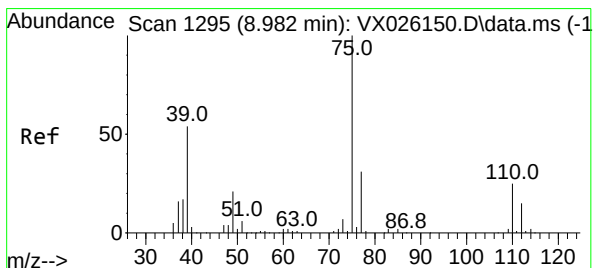
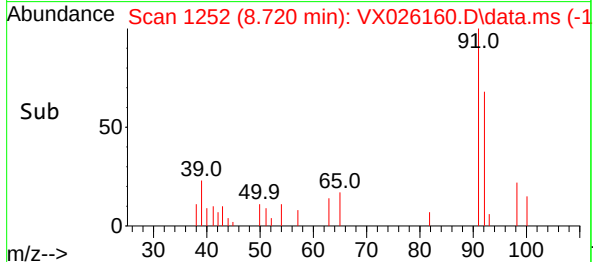
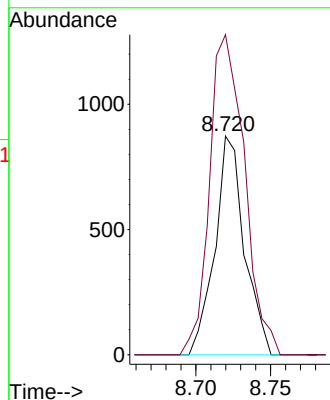
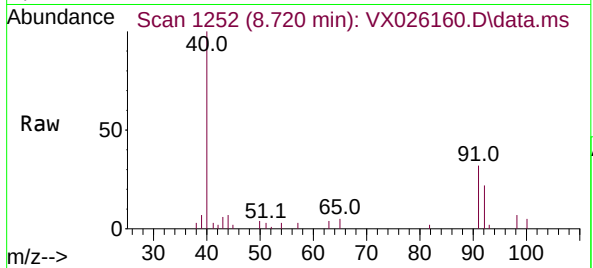
WP-SOIL-1

Tgt Ion: 92 Resp: 1196

Ion Ratio Lower Upper

92 100

91 173.7 136.0 204.0



#53

t-1,3-Dichloropropene

Concen: 1.905 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX026160.D

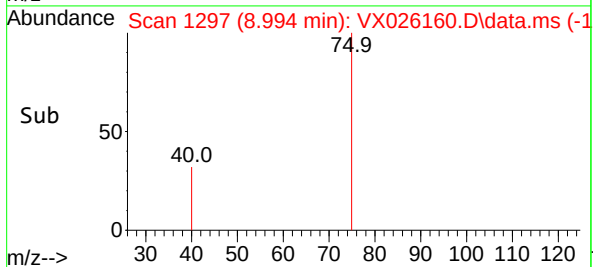
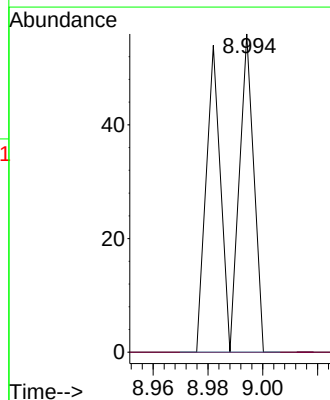
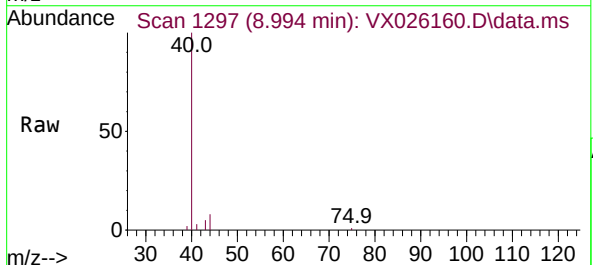
Acq: 30 Dec 2021 12:01

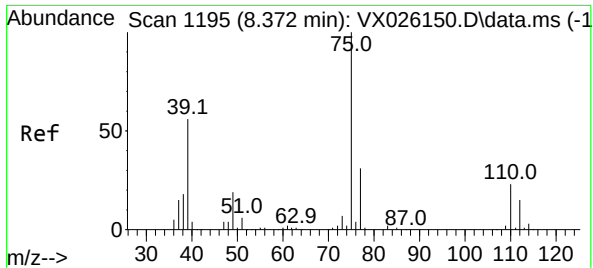
Tgt Ion: 75 Resp: 40

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

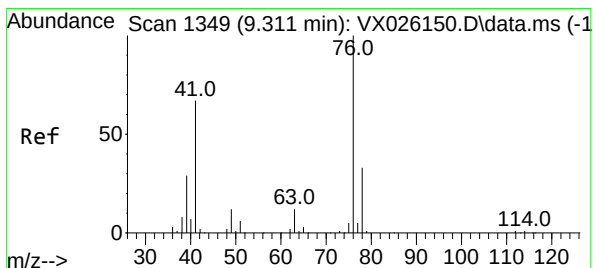
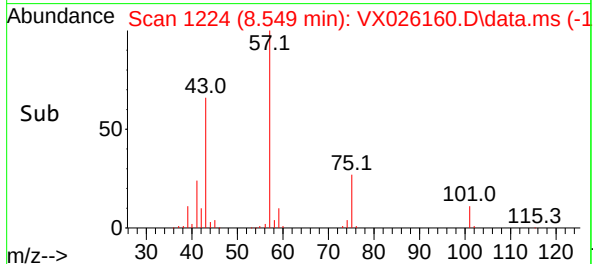
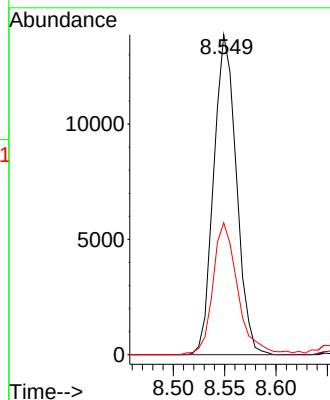
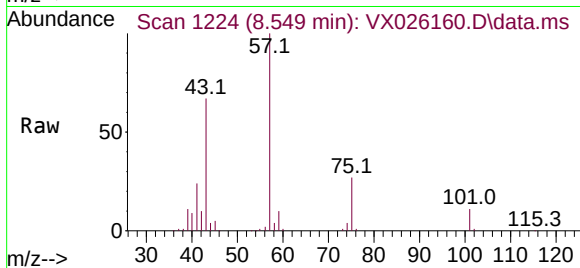




#54
 cis-1,3-Dichloropropene
 Concen: 6.845 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026160.D
 Acq: 30 Dec 2021 12:01

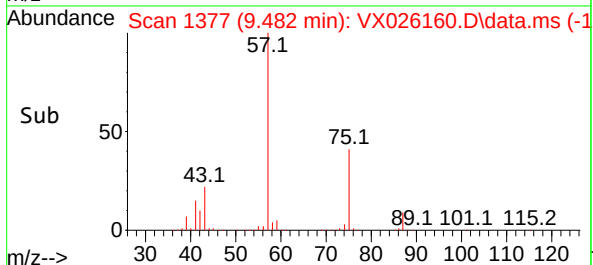
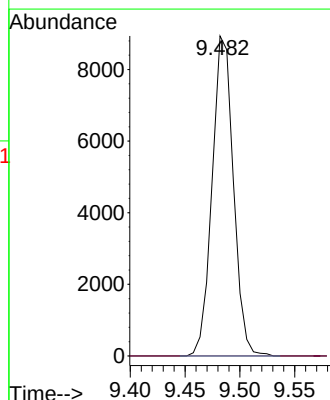
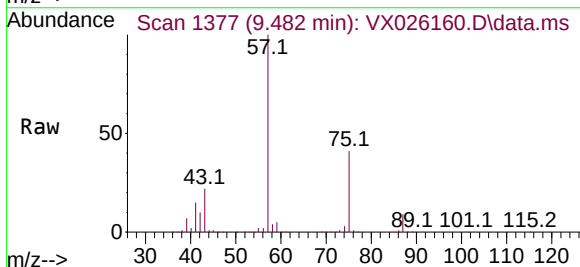
Instrument :
 MSVOA_X
 ClientSampleId :
 WP-SOIL-1

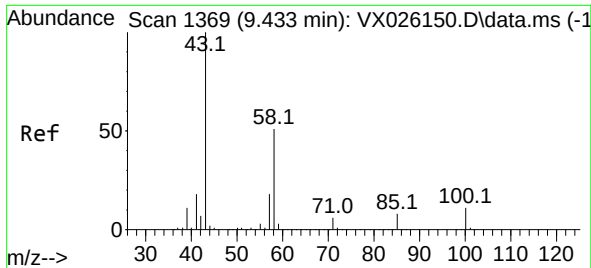
Tgt Ion: 75 Resp: 21299
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.2 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 3.657 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026160.D
 Acq: 30 Dec 2021 12:01

Tgt Ion: 76 Resp: 12088
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

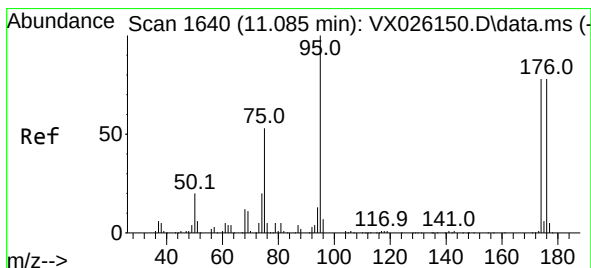
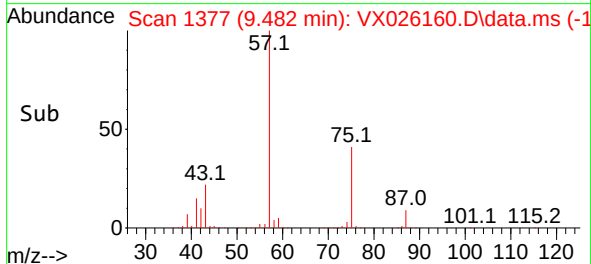
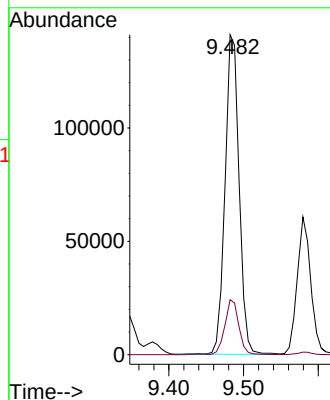
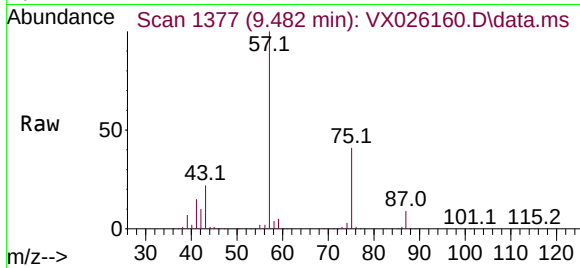




#59
2-Hexanone
Concen: 77.155 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

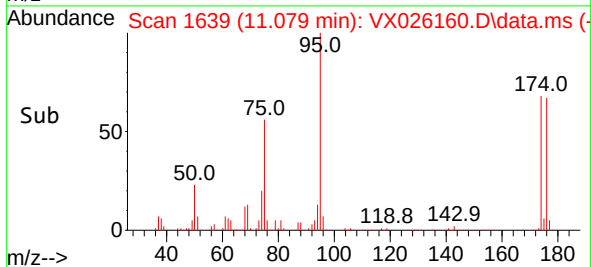
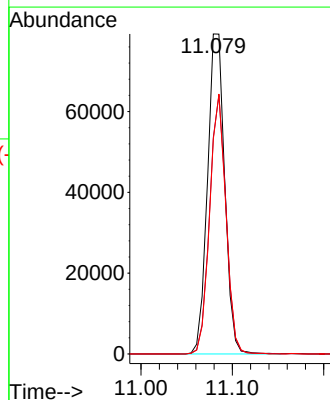
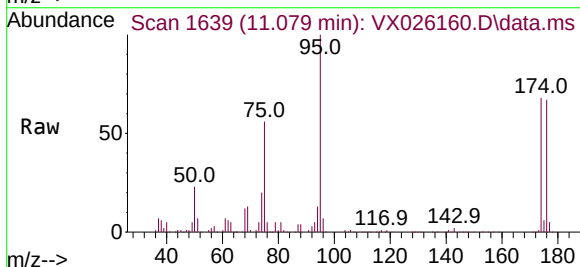
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

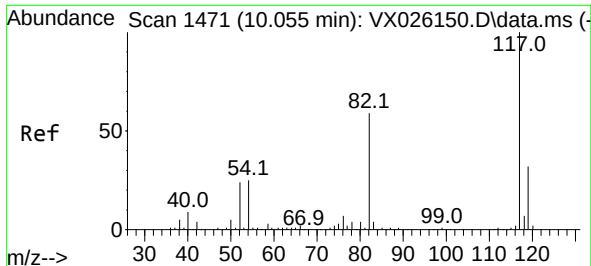
Tgt Ion: 43 Resp: 183673
Ion Ratio Lower Upper
43 100
58 17.0 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 47.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 95 Resp: 103575
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.4
176 76.3 0.0 154.6

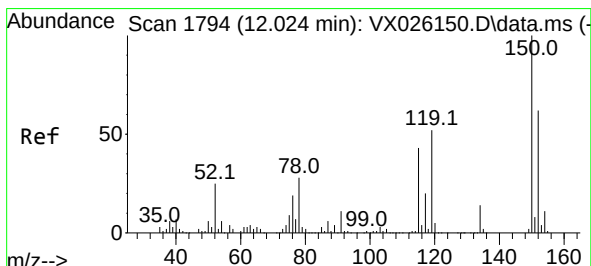
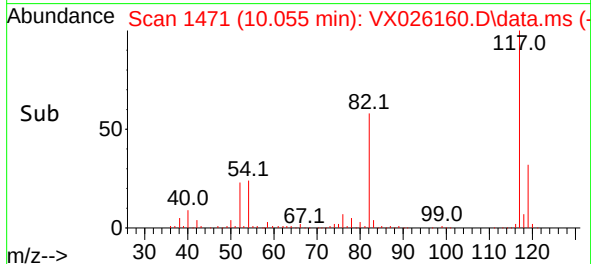
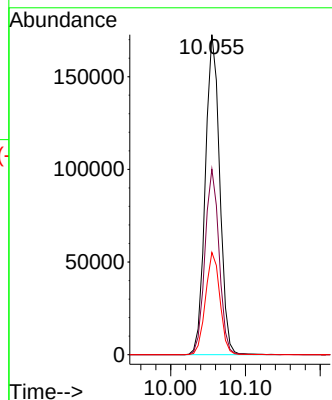
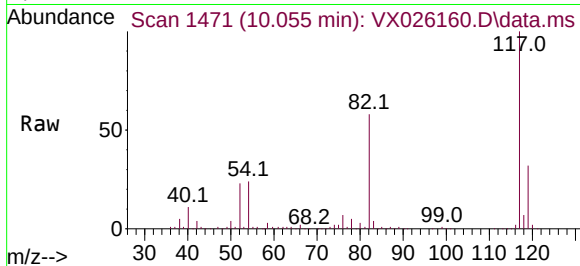




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

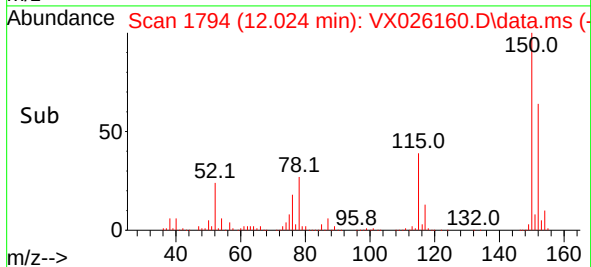
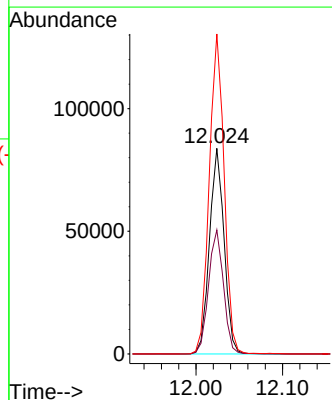
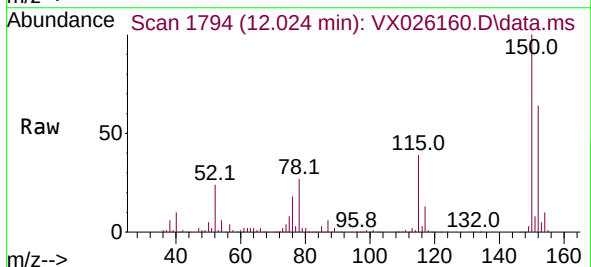
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

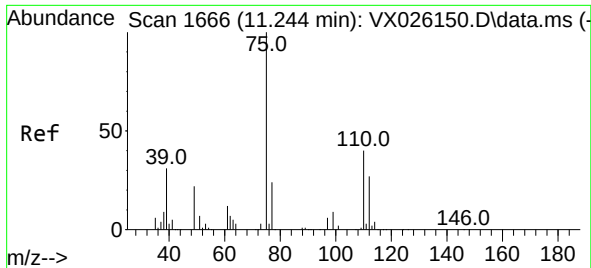
Tgt Ion:117 Resp: 230776
Ion Ratio Lower Upper
117 100
82 58.0 43.8 65.6
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion:152 Resp: 98472
Ion Ratio Lower Upper
152 100
115 61.4 41.3 123.9
150 157.9 0.0 351.8

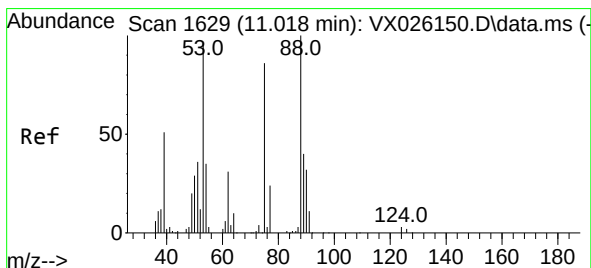
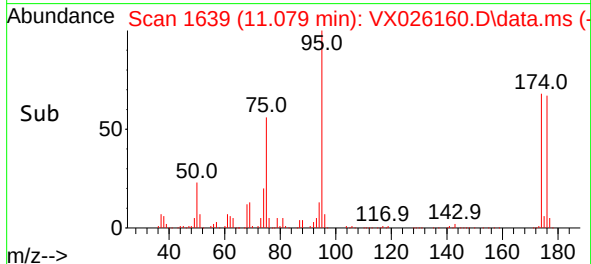
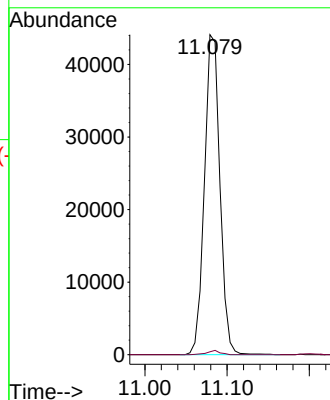
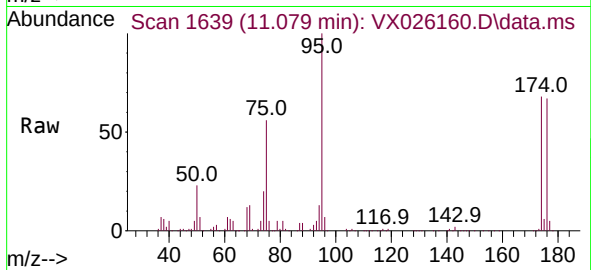




#76
1,2,3-Trichloropropane
Concen: 24.256 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

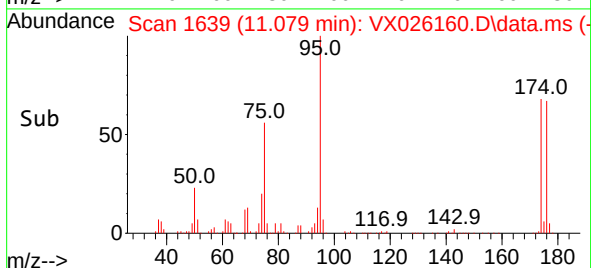
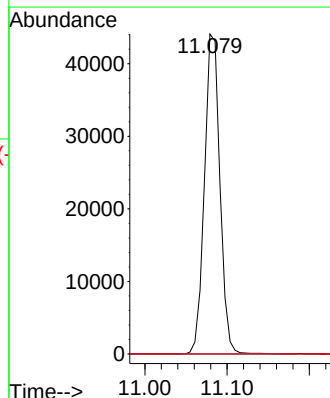
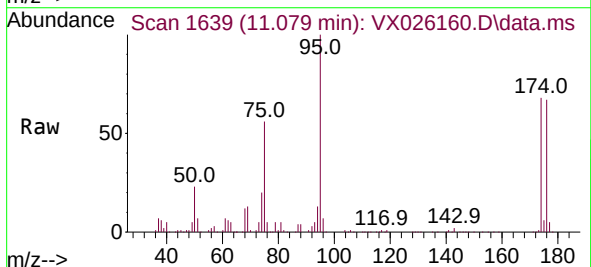
Instrument :
MSVOA_X
ClientSampleId :
WP-SOIL-1

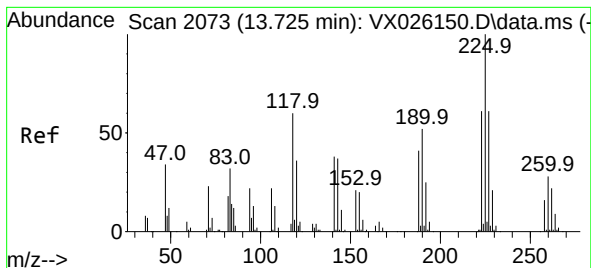
Tgt Ion: 75 Resp: 57653
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.172 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026160.D
Acq: 30 Dec 2021 12:01

Tgt Ion: 75 Resp: 57653
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#94

Hexachlorobutadiene

Concen: 0.284 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX026160.D

Acq: 30 Dec 2021 12:01

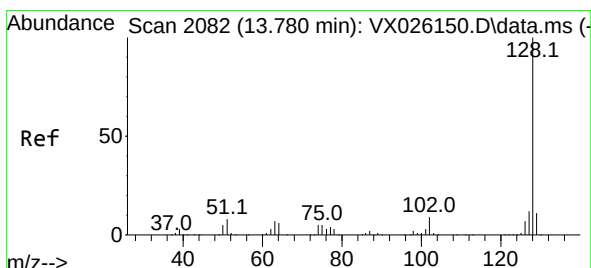
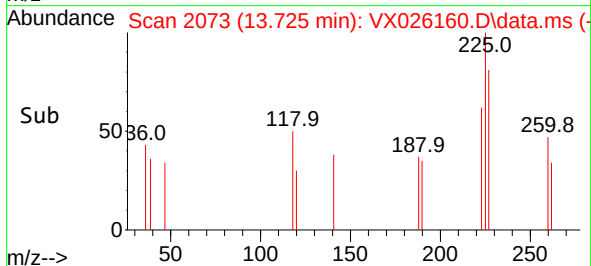
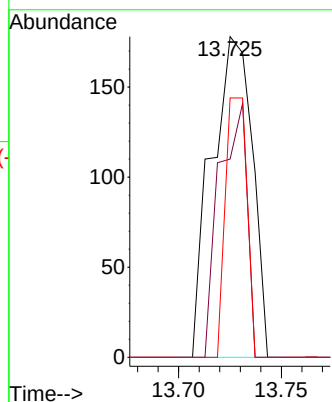
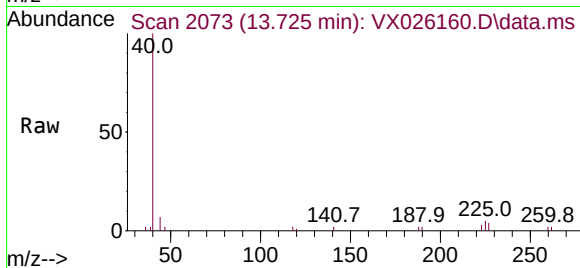
Instrument :

MSVOA_X

ClientSampleId :

WP-SOIL-1

Tgt Ion:225	Resp:	246
Ion Ratio	Lower	Upper
225	100	
223	53.3	31.6 95.0
227	42.7	32.5 97.5



#95

Naphthalene

Concen: 0.339 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

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Tgt Ion:128	Resp:	2579
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.3 15.5
129	10.0	8.8 13.2

