

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032167.D
 Acq On : 17 Oct 2022 20:32
 Operator : JC/MD
 Sample : 5133-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HAS-SOIL-1013

Quant Time: Oct 18 04:25:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 04:18:35 2022
 Response via : Initial Calibration

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

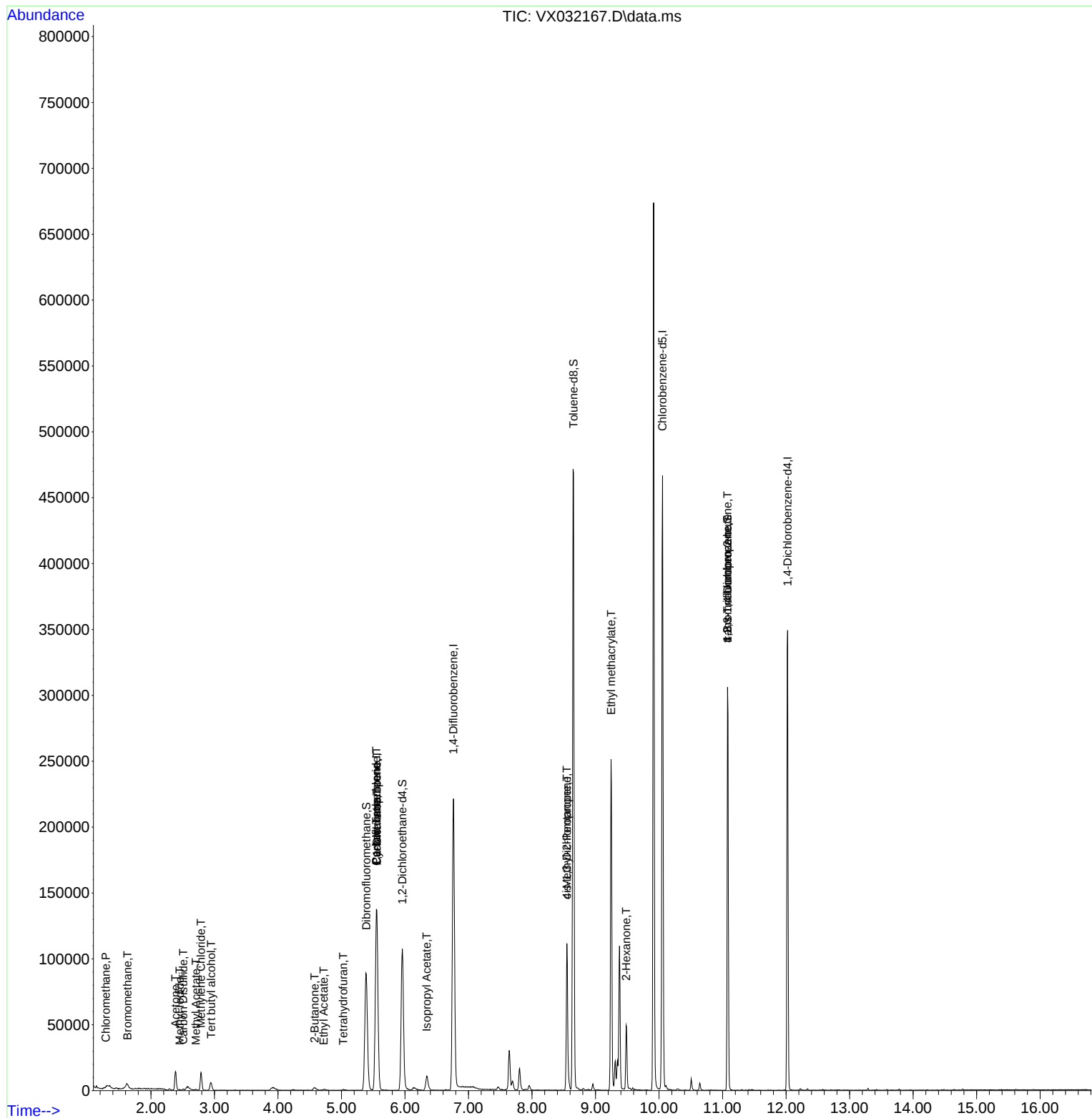
Internal Standards						
1) Pentafluorobenzene	5.550	168	123324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107424	54.692	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.380%			
35) Dibromofluoromethane	5.391	113	75785	52.031	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	8.653	98	274967	53.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.640%			
62) 4-Bromofluorobenzene	11.079	95	77919	40.058	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 80.120%#			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	269	0.205	ug/l #	41
5) Bromomethane	1.630	94	646	0.597	ug/l #	59
10) Methyl Iodide	2.453	142	328	0.251	ug/l #	70
11) Tert butyl alcohol	2.947	59	3383	12.523	ug/l #	73
16) Acetone	2.386	43	16398	34.722	ug/l	95
17) Carbon Disulfide	2.508	76	1133	0.449	ug/l	99
18) Methyl Acetate	2.709	43	1024	0.532	ug/l #	84
20) Methylene Chloride	2.788	84	5835	4.019	ug/l	97
25) 2-Butanone	4.574	43	2346	2.325	ug/l	93
29) Tetrahydrofuran	5.025	42	485	0.801	ug/l #	65
31) Cyclohexane	5.556	56	3155	1.441	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	10843	5.146	ug/l #	45
37) Ethyl Acetate	4.721	43	927	0.438	ug/l #	89
38) Carbon Tetrachloride	5.550	117	13457	6.030	ug/l #	17
43) Isopropyl Acetate	6.342	43	15036	4.718	ug/l	99
51) 4-Methyl-2-Pentanone	8.549	43	39699	20.316	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	17106	7.771	ug/l #	66
56) Ethyl methacrylate	9.244	69	641	0.315	ug/l #	1
59) 2-Hexanone	9.482	43	6333	4.375	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	41456	27.260	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41456	104.944	ug/l #	11

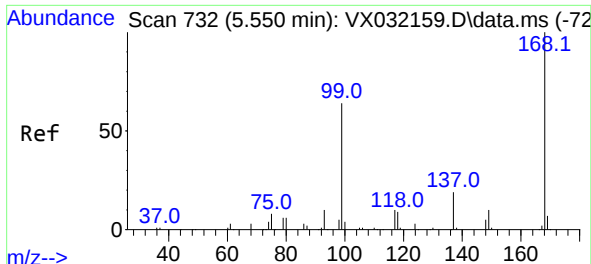
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 18 04:18:35 2022
Response via : Initial Calibration

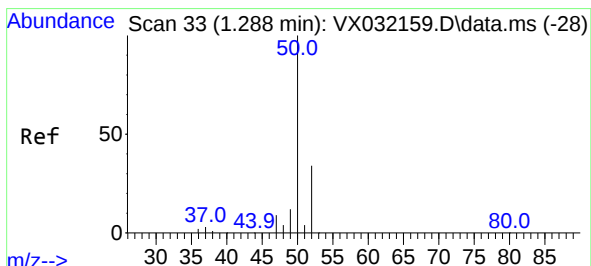
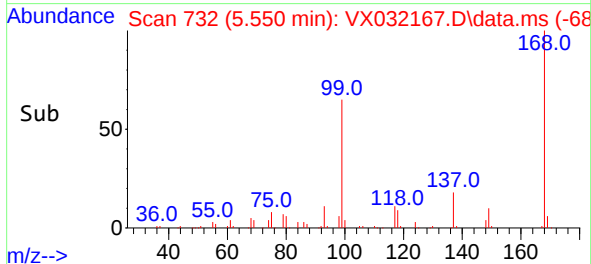
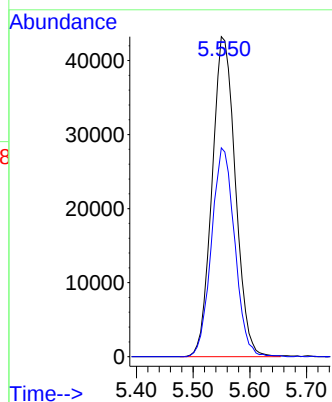
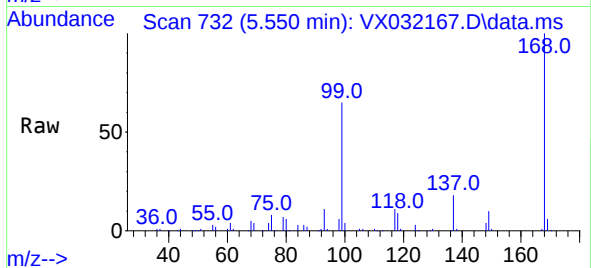




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

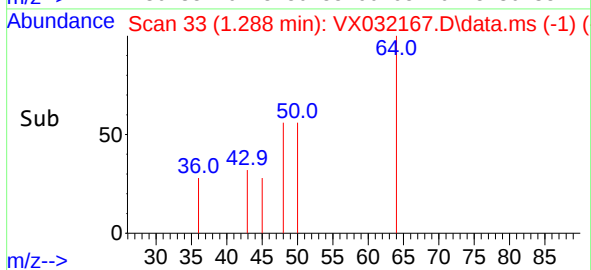
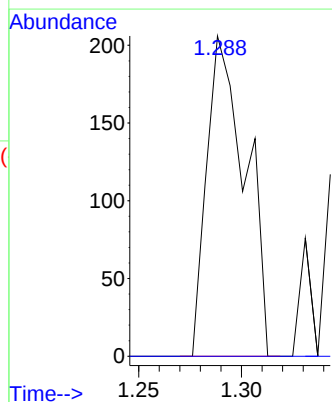
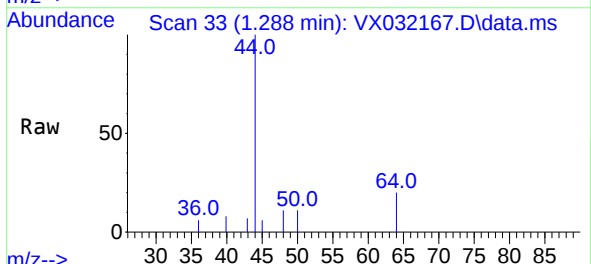
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

Tgt Ion:168 Resp: 123324
Ion Ratio Lower Upper
168 100
99 65.2 48.8 73.2

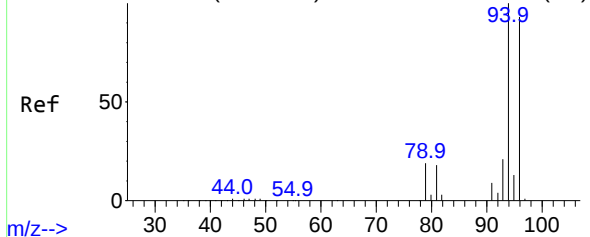


#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 50 Resp: 269
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.612 min): VX032159.D\data.ms (-80)



#5

Bromomethane

Concen: 0.597 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.018 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

HAS-SOIL-1013

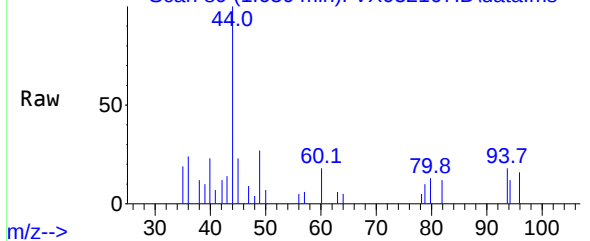
Tgt Ion: 94 Resp: 646

Ion Ratio Lower Upper

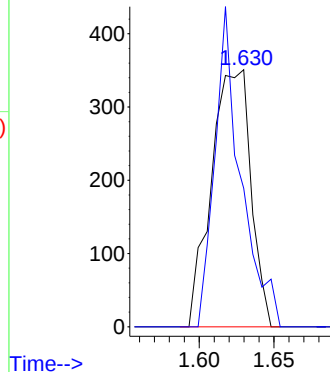
94 100

96 53.8 74.4 111.6#

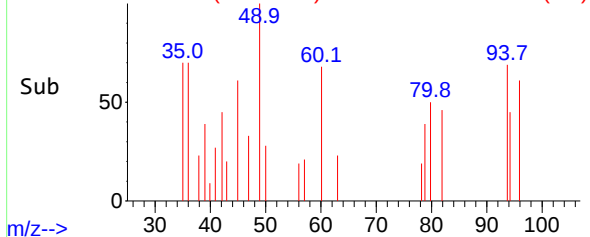
Abundance Scan 89 (1.630 min): VX032167.D\data.ms



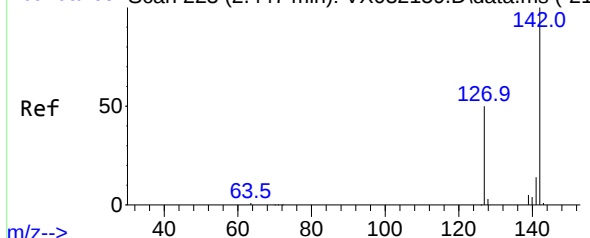
Abundance



Abundance Scan 89 (1.630 min): VX032167.D\data.ms (-37)



Abundance Scan 223 (2.447 min): VX032159.D\data.ms (-21)



#10

Methyl Iodide

Concen: 0.251 ug/l

RT: 2.453 min Scan# 224

Delta R.T. 0.006 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Tgt Ion: 142 Resp: 328

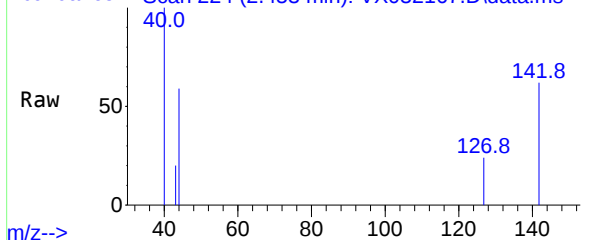
Ion Ratio Lower Upper

142 100

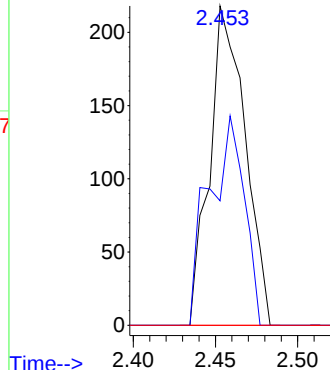
127 65.2 37.4 56.0#

141 0.0 11.6 17.4#

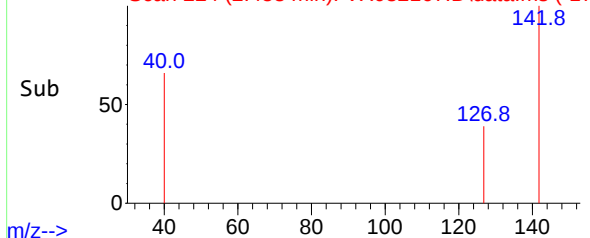
Abundance Scan 224 (2.453 min): VX032167.D\data.ms

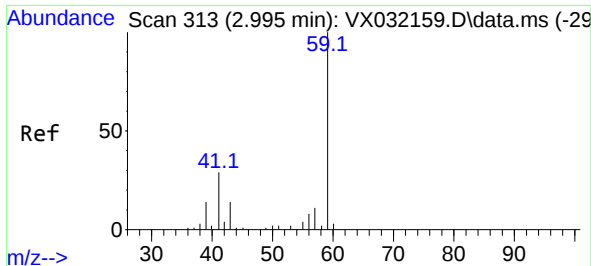


Abundance



Abundance Scan 224 (2.453 min): VX032167.D\data.ms (-17)





#11

Tert butyl alcohol

Concen: 12.523 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

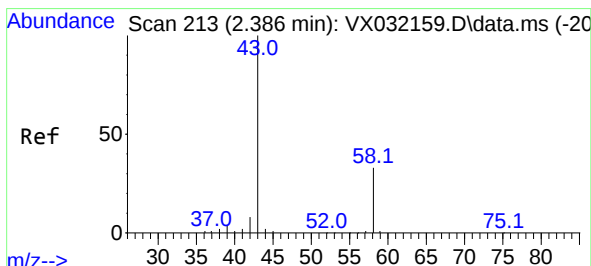
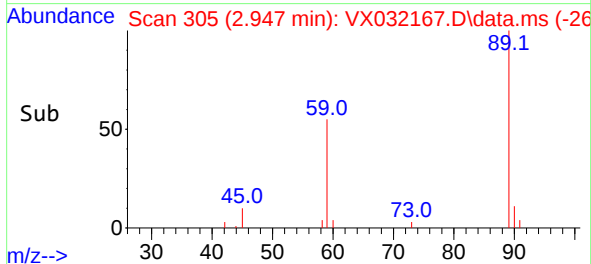
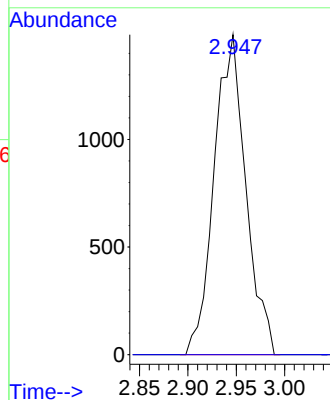
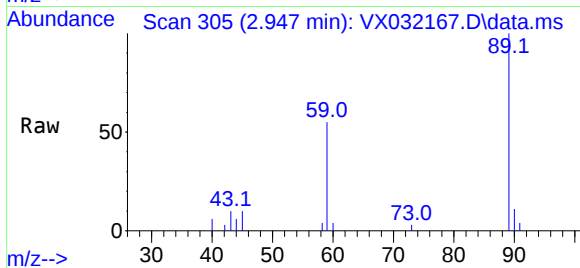
HAS-SOIL-1013

Tgt Ion: 59 Resp: 3383

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 34.722 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX032167.D

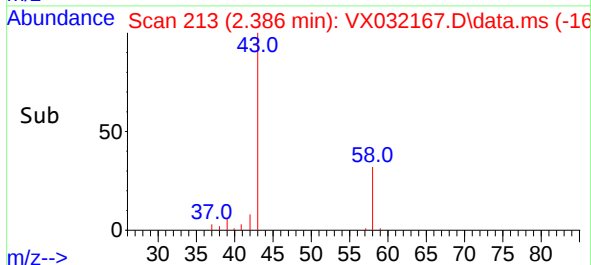
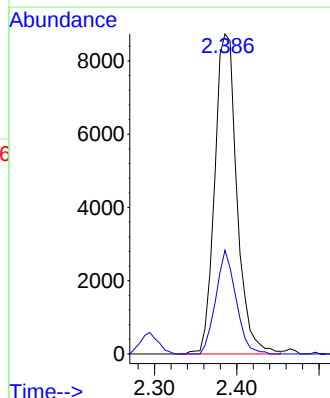
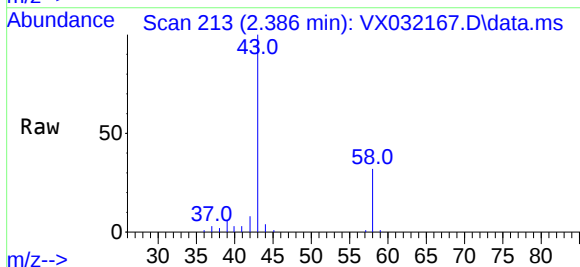
Acq: 17 Oct 2022 20:32

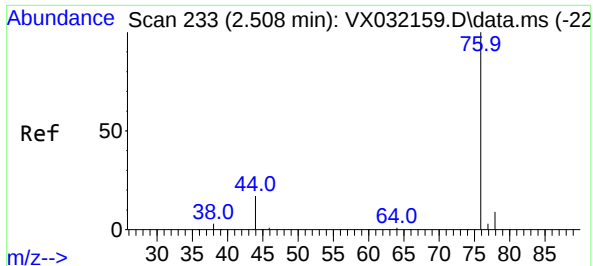
Tgt Ion: 43 Resp: 16398

Ion Ratio Lower Upper

43 100

58 32.4 23.8 35.8

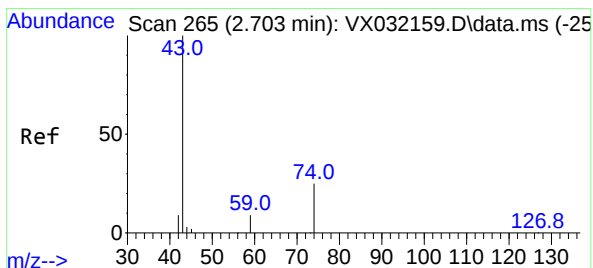
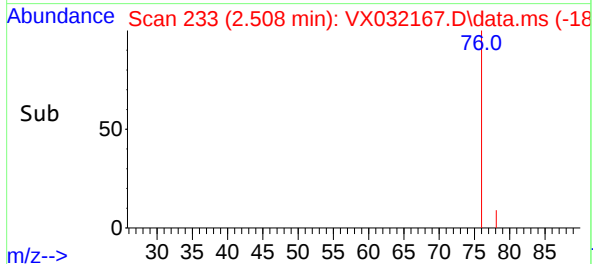
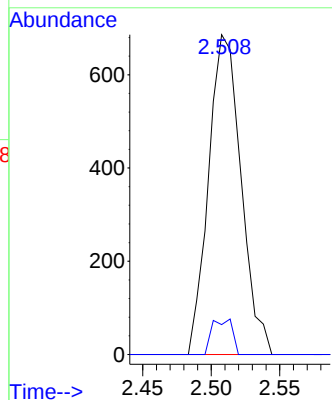
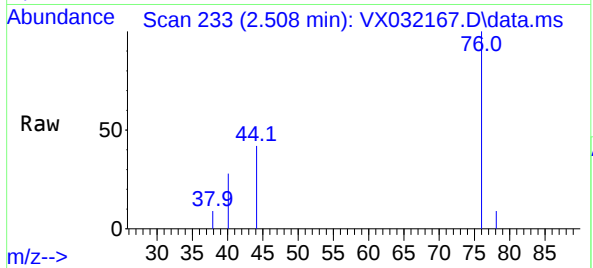




#17
Carbon Disulfide
Concen: 0.449 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

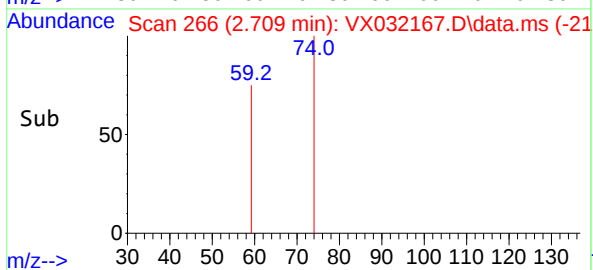
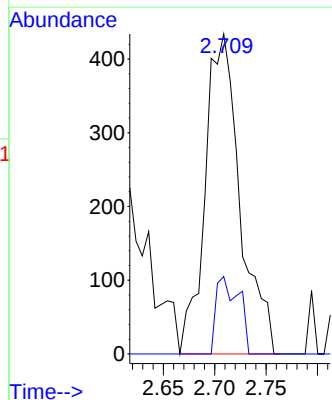
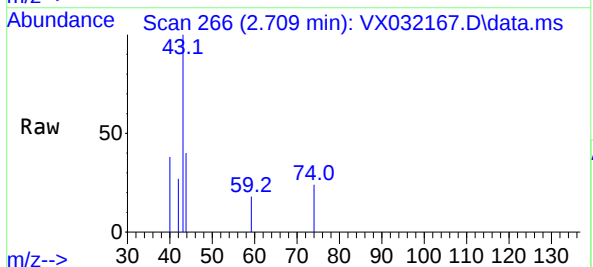
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

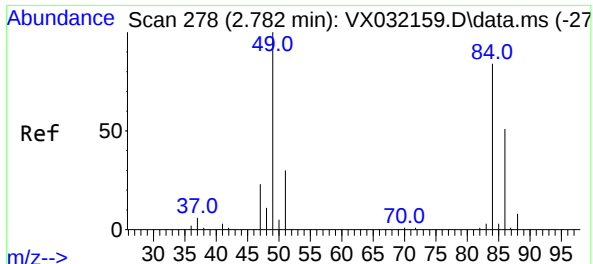
Tgt Ion: 76 Resp: 1133
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 0.532 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
74 15.6 18.6 27.8#





#20

Methylene Chloride

Concen: 4.019 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

HAS-SOIL-1013

Tgt Ion: 84 Resp: 5835

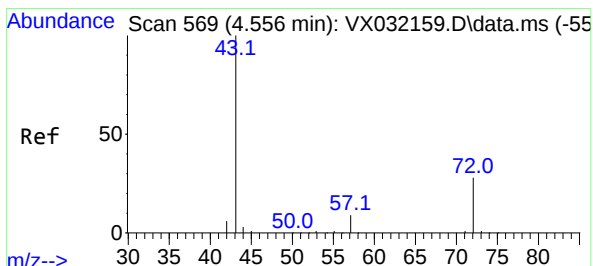
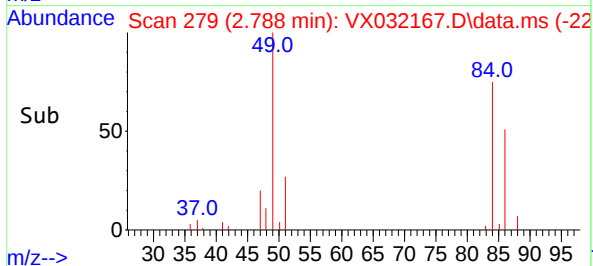
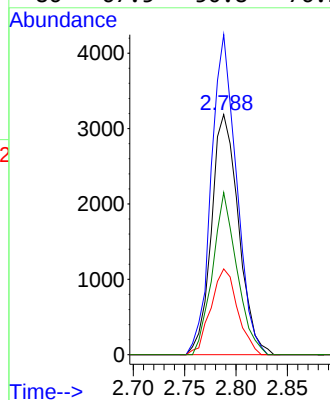
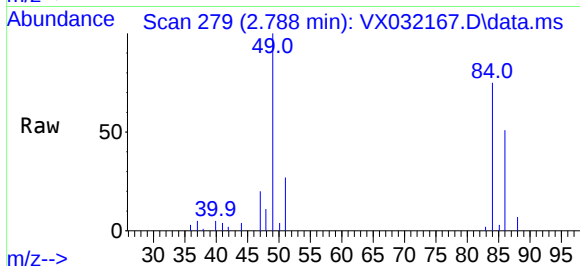
Ion Ratio Lower Upper

84 100

49 133.2 105.9 158.9

51 35.7 32.2 48.2

86 67.5 50.8 76.2



#25

2-Butanone

Concen: 2.325 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX032167.D

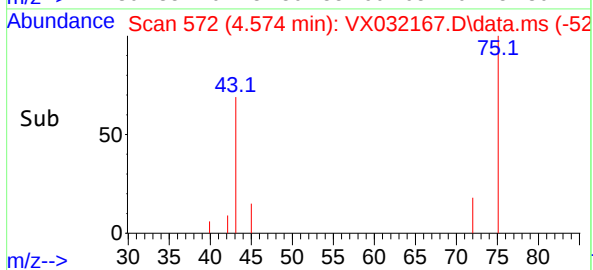
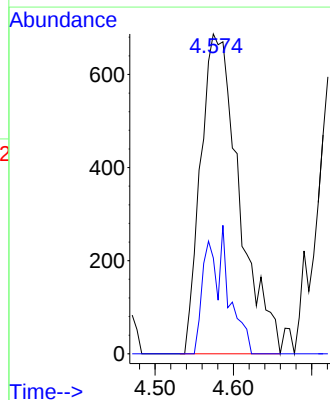
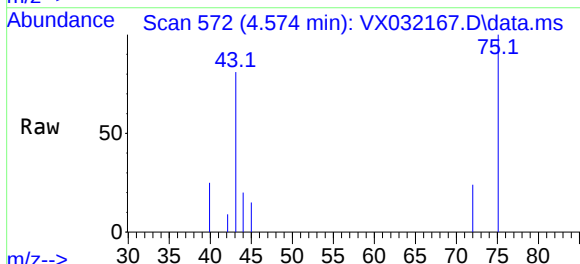
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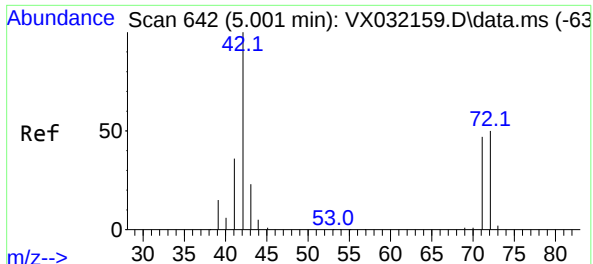
Tgt Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

72 30.0 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.801 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

HAS-SOIL-1013

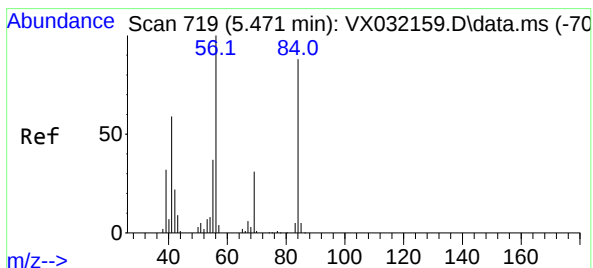
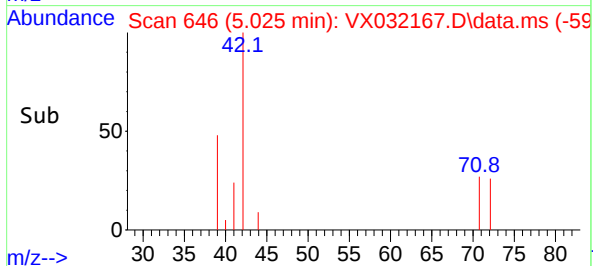
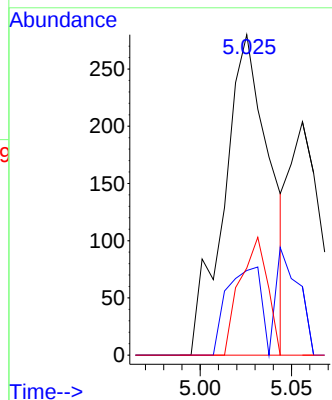
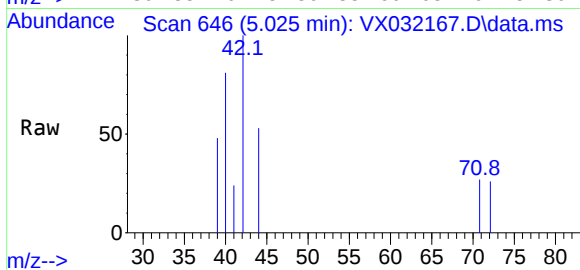
Tgt Ion: 42 Resp: 485

Ion Ratio Lower Upper

42 100

72 20.6 36.4 54.6#

71 22.3 33.5 50.3#



#31

Cyclohexane

Concen: 1.441 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

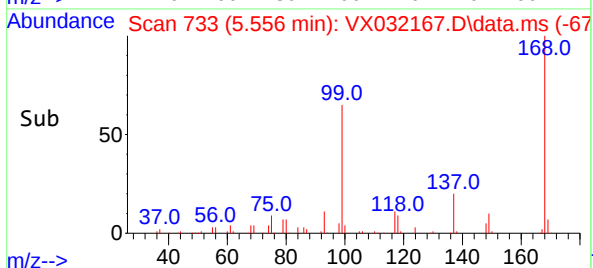
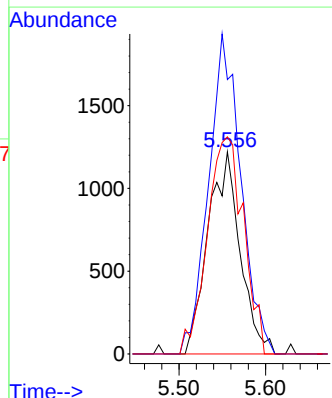
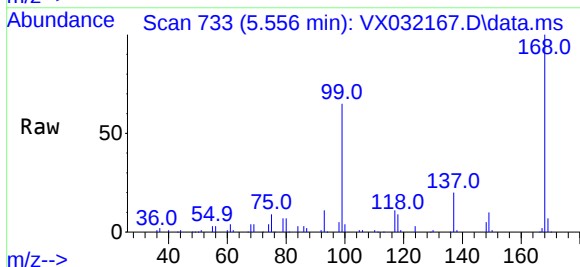
Tgt Ion: 56 Resp: 3155

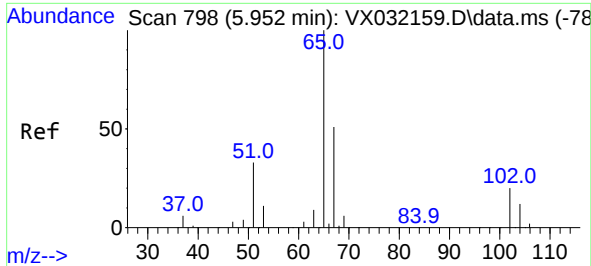
Ion Ratio Lower Upper

56 100

69 135.8 25.1 37.7#

84 107.5 70.2 105.4#

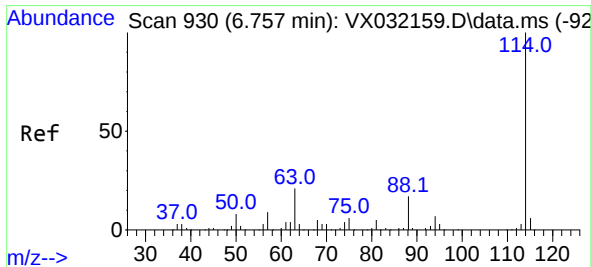
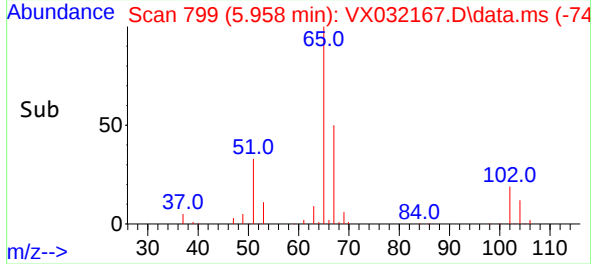
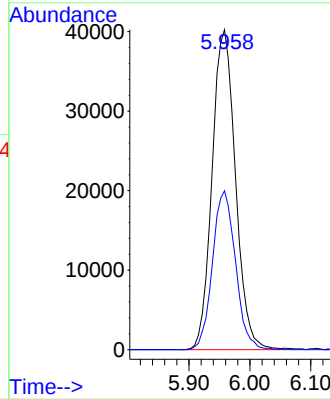
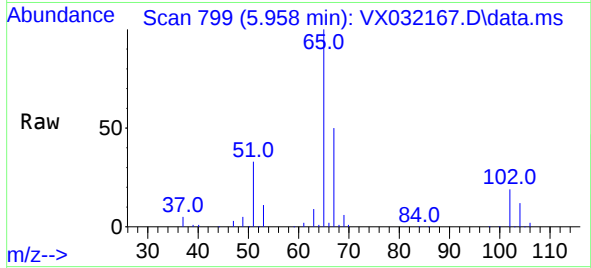




#33
 1,2-Dichloroethane-d4
 Concen: 54.692 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX032167.D
 Acq: 17 Oct 2022 20:32

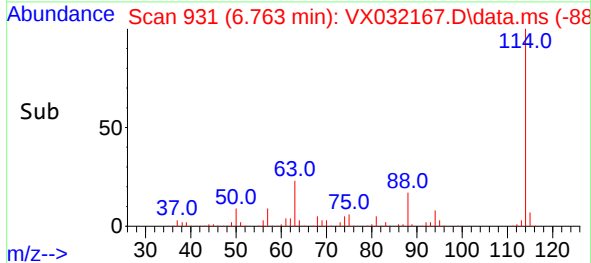
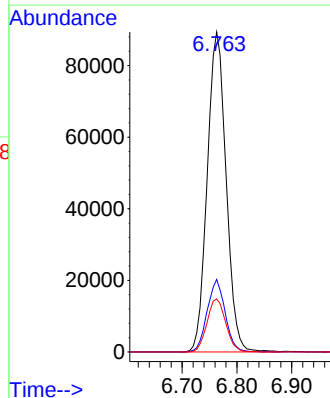
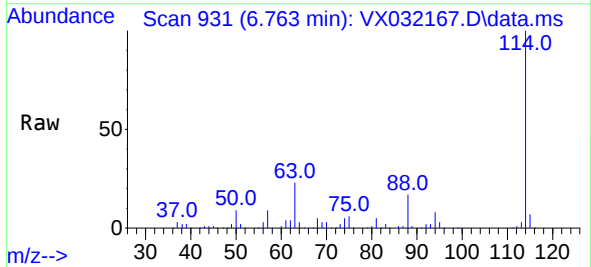
Instrument :
 MSVOA_X
 ClientSampleId :
 HAS-SOIL-1013

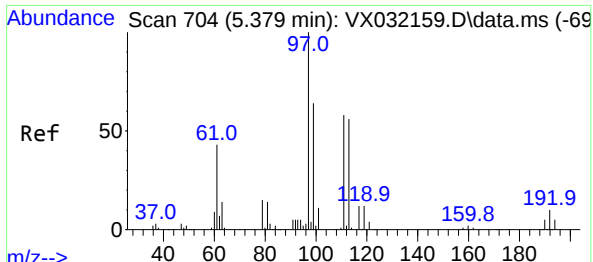
Tgt Ion: 65 Resp: 107424
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX032167.D
 Acq: 17 Oct 2022 20:32

Tgt Ion: 114 Resp: 213468
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.6
 88 16.5 0.0 33.0

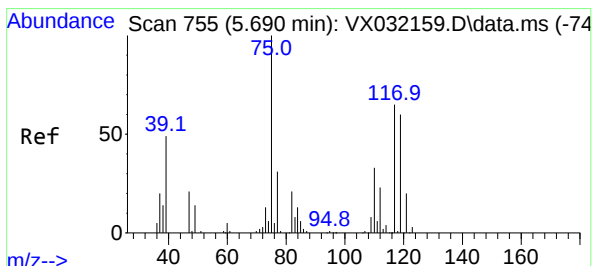
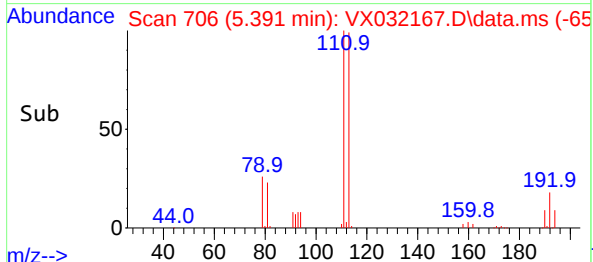
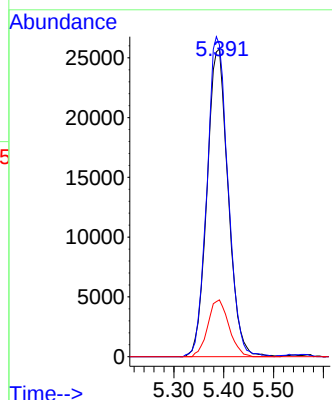
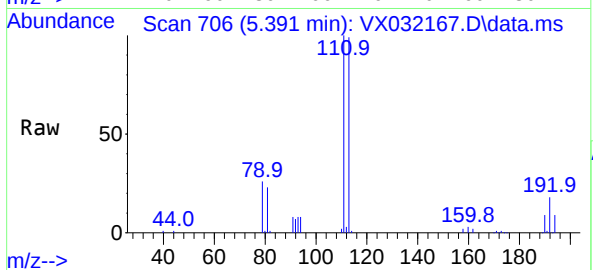




#35
Dibromofluoromethane
Concen: 52.031 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

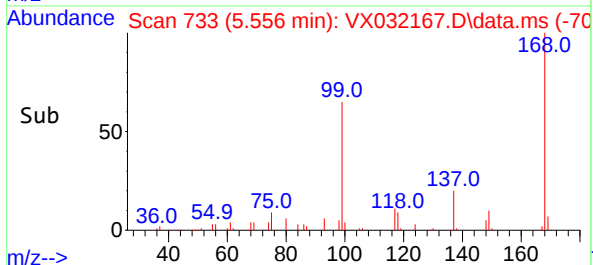
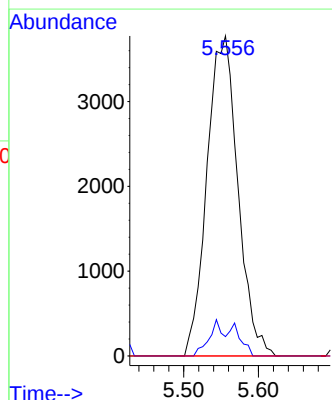
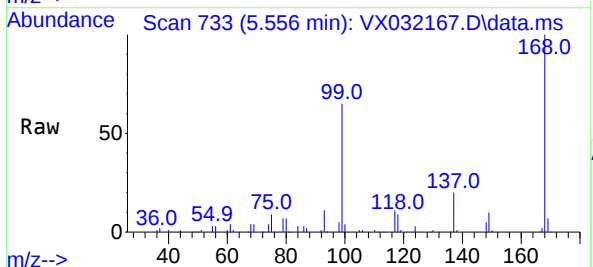
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

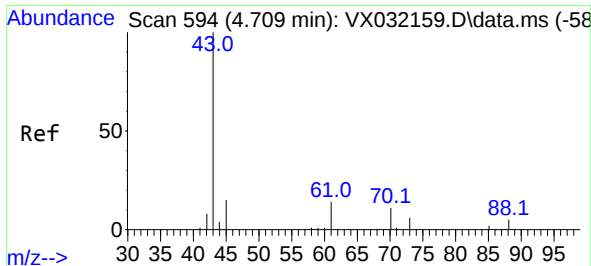
Tgt Ion:113 Resp: 75785
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 18.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 75 Resp: 10843
Ion Ratio Lower Upper
75 100
110 3.9 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.438 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

HAS-SOIL-1013

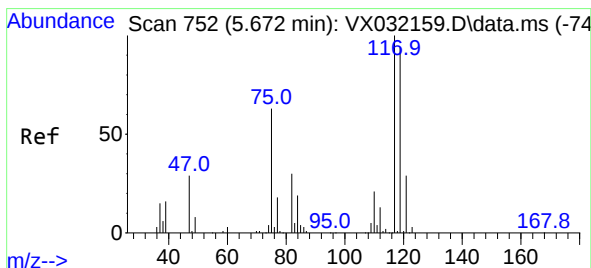
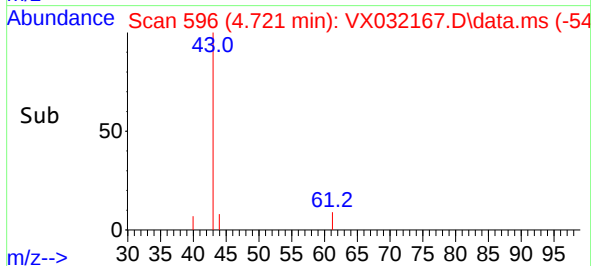
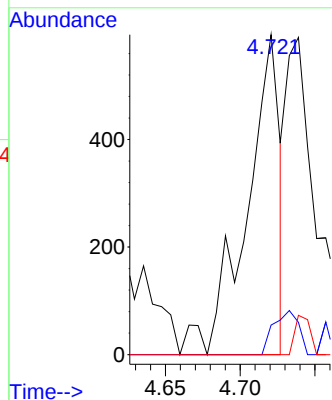
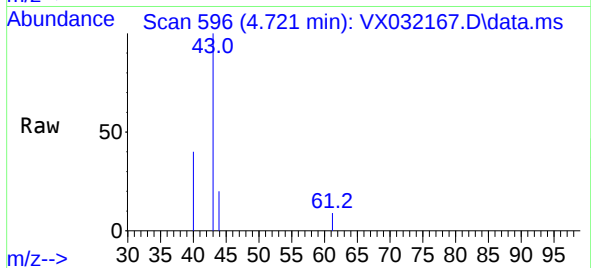
Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

61 10.2 11.1 16.7#

70 5.4 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

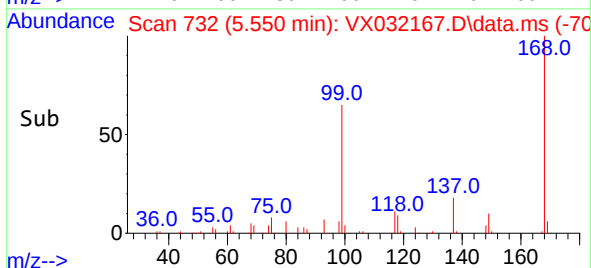
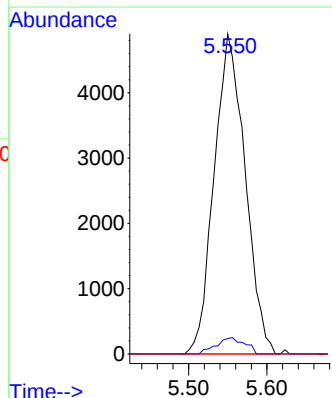
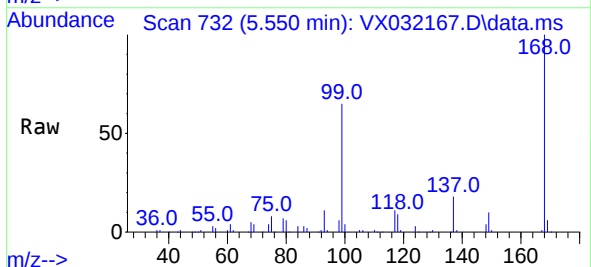
Tgt Ion: 117 Resp: 13457

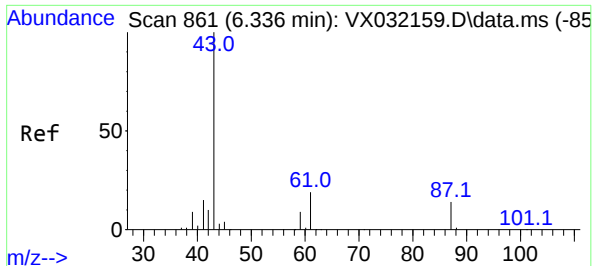
Ion Ratio Lower Upper

117 100

119 4.8 74.6 112.0#

121 0.0 25.3 37.9#

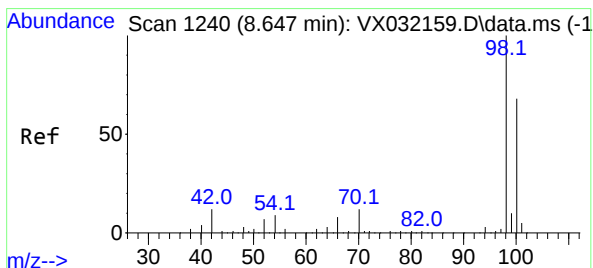
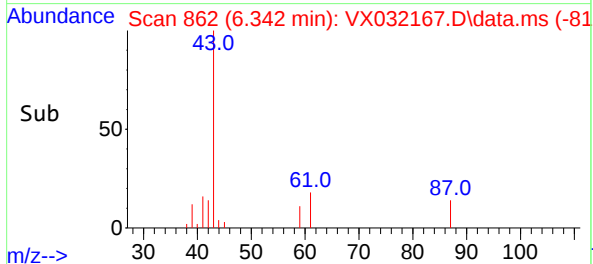
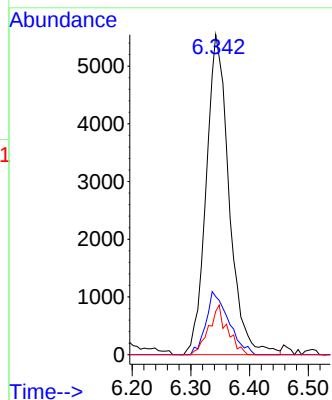
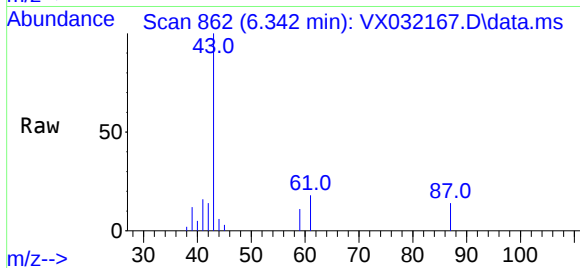




#43
Isopropyl Acetate
Concen: 4.718 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

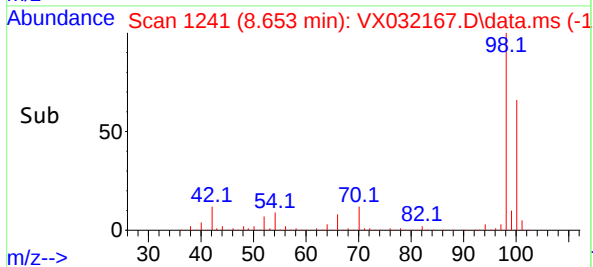
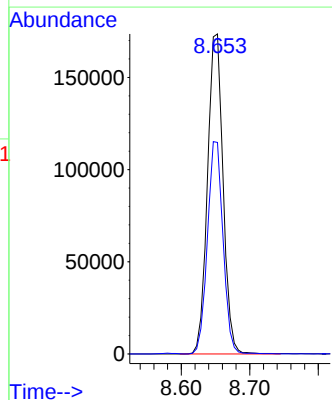
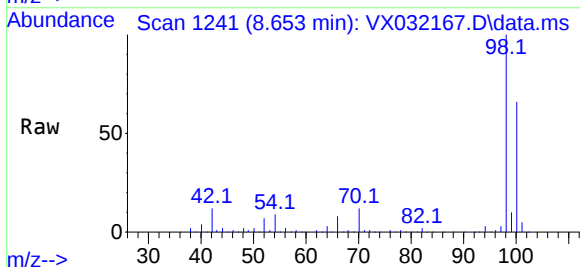
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

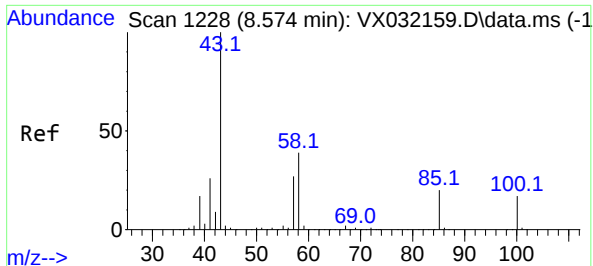
Tgt Ion: 43 Resp: 15036
Ion Ratio Lower Upper
43 100
61 19.5 15.3 22.9
87 12.7 10.6 15.8



#50
Toluene-d8
Concen: 53.822 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 98 Resp: 274967
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7

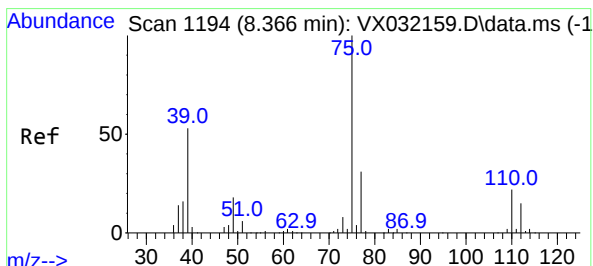
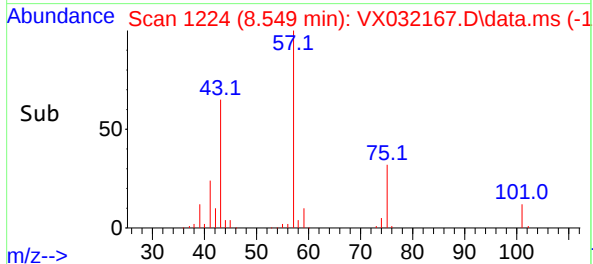
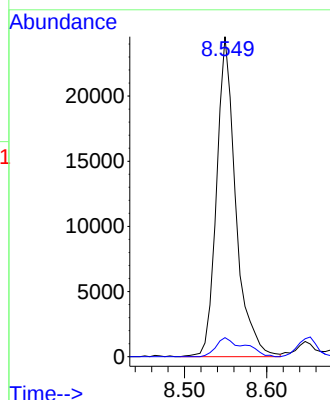
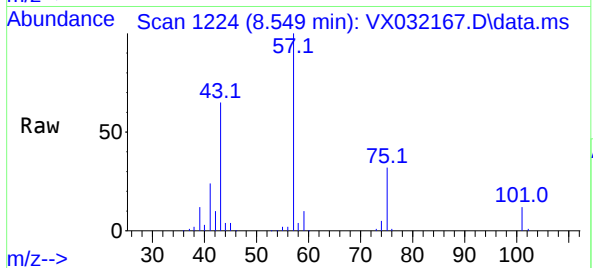




#51
4-Methyl-2-Pentanone
Concen: 20.316 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

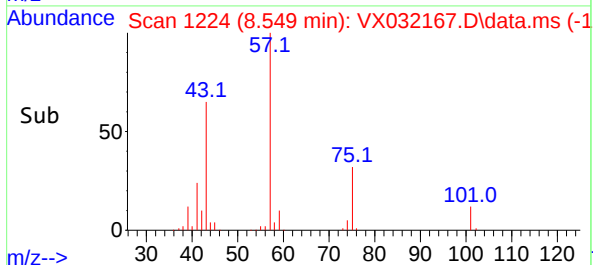
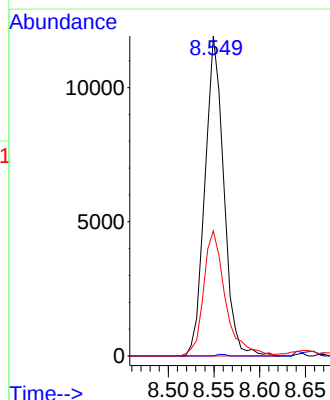
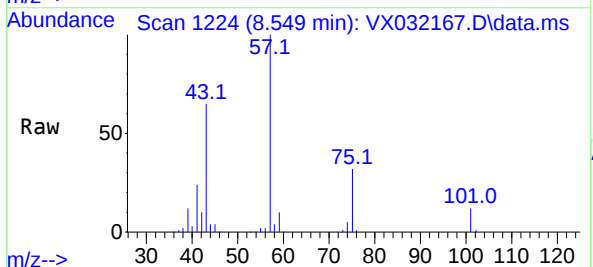
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

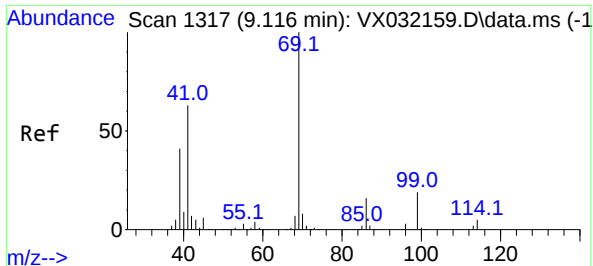
Tgt Ion: 43 Resp: 39699
Ion Ratio Lower Upper
43 100
58 8.8 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 7.771 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 75 Resp: 17106
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 39.1 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.315 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX032167.D

Acq: 17 Oct 2022 20:32

Instrument :

MSVOA_X

ClientSampleId :

HAS-SOIL-1013

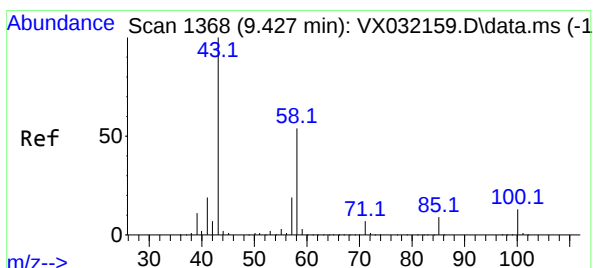
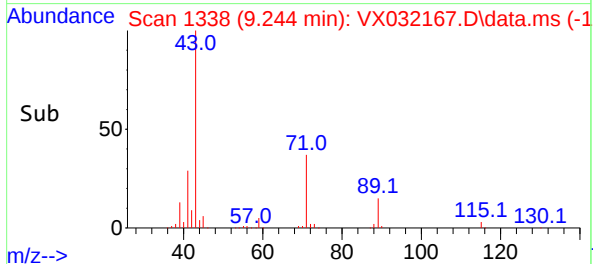
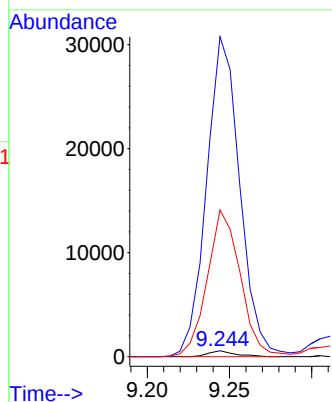
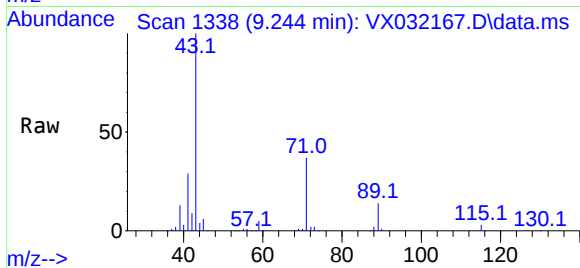
Tgt Ion: 69 Resp: 641

Ion Ratio Lower Upper

69 100

41 6768.8 54.2 81.4#

39 3089.7 34.2 51.2#



#59

2-Hexanone

Concen: 4.375 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX032167.D

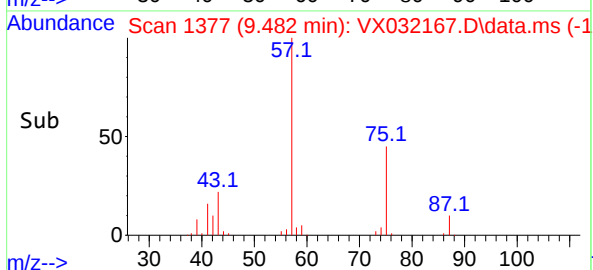
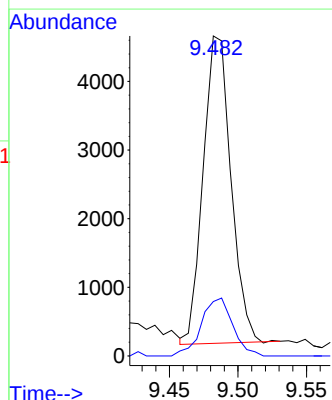
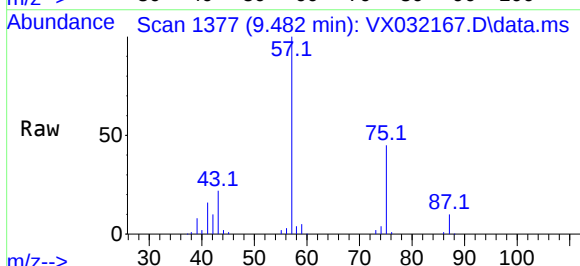
Acq: 17 Oct 2022 20:32

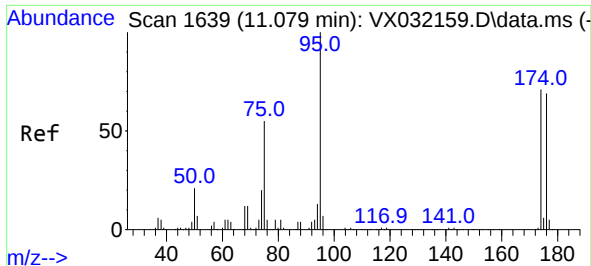
Tgt Ion: 43 Resp: 6333

Ion Ratio Lower Upper

43 100

58 21.2 26.7 80.0#

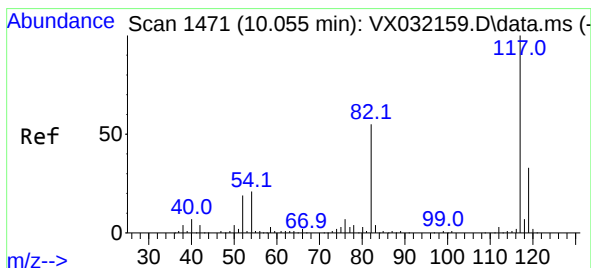
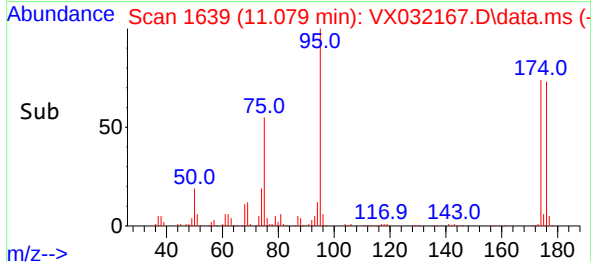
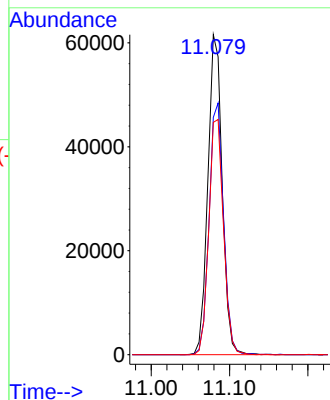
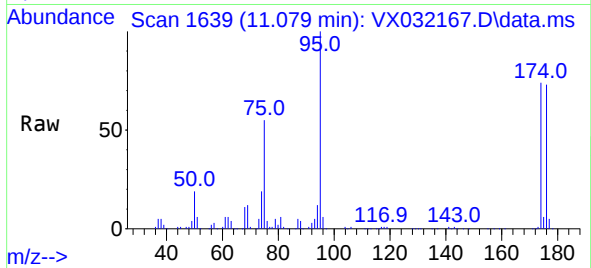




#62
4-Bromofluorobenzene
Concen: 40.058 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

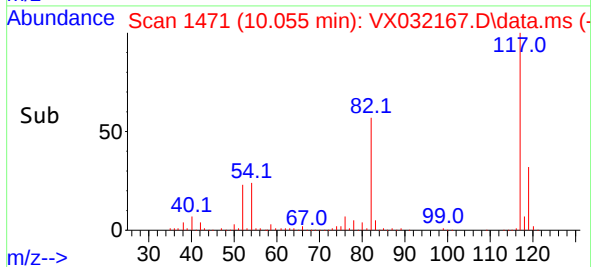
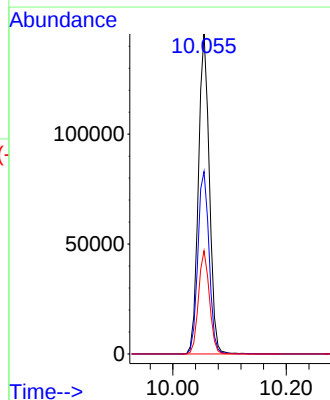
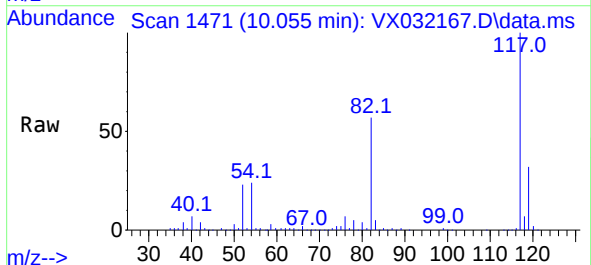
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

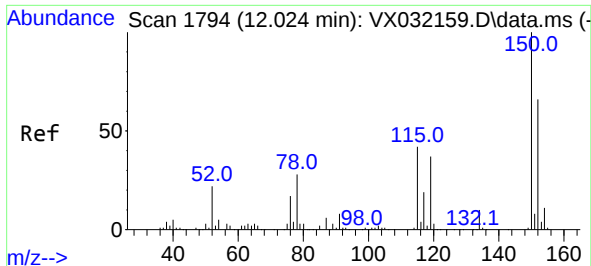
Tgt Ion: 95 Resp: 77919
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.2
176 75.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 117 Resp: 195036
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 32.3 26.4 39.6

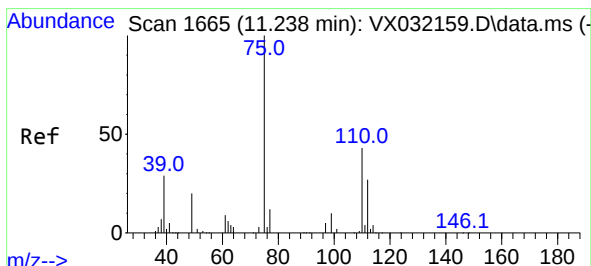
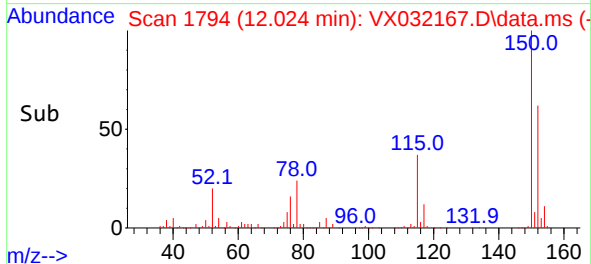
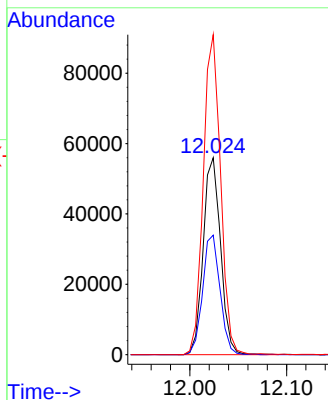
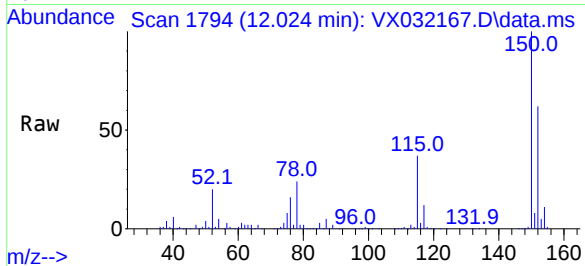




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

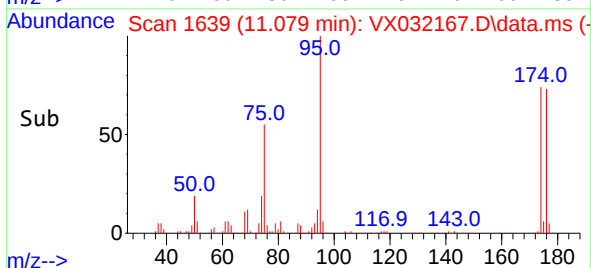
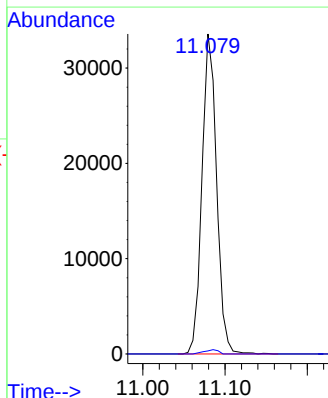
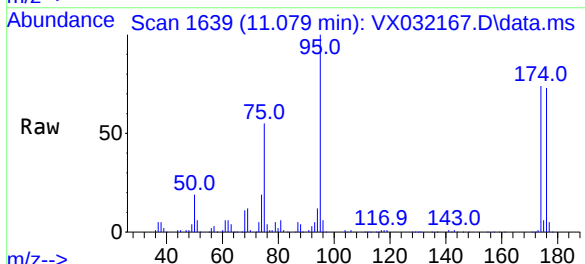
Instrument :
MSVOA_X
ClientSampleId :
HAS-SOIL-1013

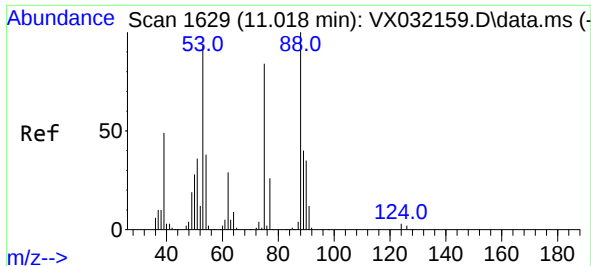
Tgt Ion:152 Resp: 70136
Ion Ratio Lower Upper
152 100
115 60.8 43.4 130.1
150 161.3 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 27.260 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032167.D
Acq: 17 Oct 2022 20:32

Tgt Ion: 75 Resp: 41456
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.944 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032167.D
 Acq: 17 Oct 2022 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 HAS-SOIL-1013

Tgt Ion: 75 Resp: 41456
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

