

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026764.D
 Acq On : 03 Feb 2022 17:35
 Operator : JC/MD
 Sample : N1357-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Feb 04 02:34:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

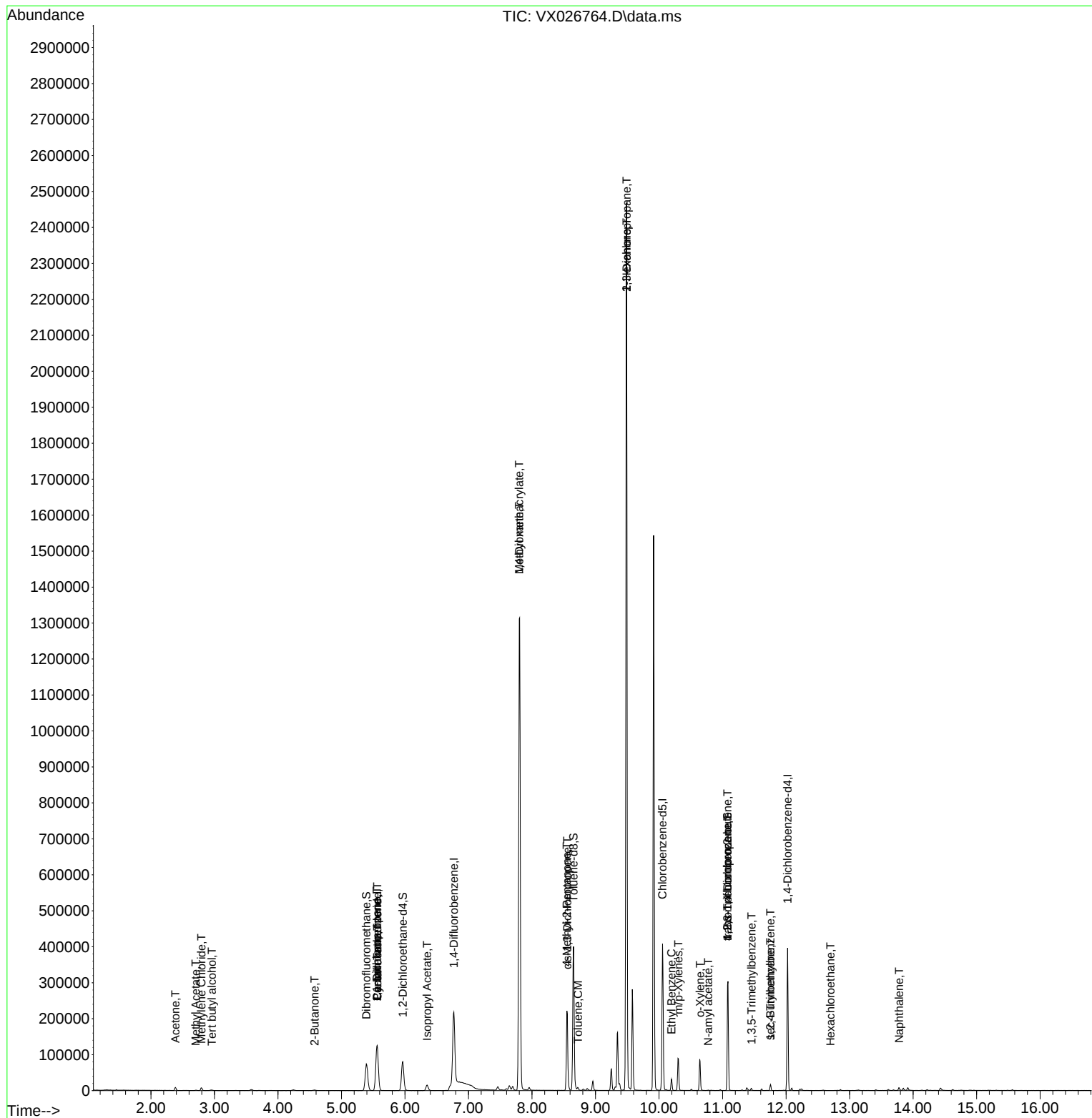
Internal Standards						
1) Pentafluorobenzene	5.562	168	120560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	206434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	77931	46.274	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.540%
35) Dibromofluoromethane	5.391	113	64767	48.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.160%
50) Toluene-d8	8.653	98	236255	49.180	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.360%
62) 4-Bromofluorobenzene	11.079	95	85080	49.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1222	5.216	ug/l #	75
16) Acetone	2.386	43	9975	11.614	ug/l	99
18) Methyl Acetate	2.703	43	1575	0.922	ug/l #	87
20) Methylene Chloride	2.794	84	3463	2.440	ug/l	93
25) 2-Butanone	4.574	43	1948	1.744	ug/l	94
31) Cyclohexane	5.562	56	2316	0.932	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9451	4.491	ug/l #	49
38) Carbon Tetrachloride	5.562	117	12245	5.657	ug/l #	16
43) Isopropyl Acetate	6.348	43	21413	6.227	ug/l	99
48) Methyl methacrylate	7.799	41	113686	66.710	ug/l #	45
49) 1,4-Dioxane	7.799	88	171	6.114	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	75496	37.014	ug/l #	50
52) Toluene	8.726	92	2308	0.647	ug/l	99
54) cis-1,3-Dichloropropene	8.555	75	36264	16.326	ug/l #	54
57) 1,3-Dichloropropane	9.488	76	21135	8.758	ug/l #	43
59) 2-Hexanone	9.488	43	288339	184.701	ug/l #	51
67) Ethyl Benzene	10.195	91	17603	2.549	ug/l	97
68) m/p-Xylenes	10.305	106	21230	8.215	ug/l	97
69) o-Xylene	10.646	106	6891	2.763	ug/l	98
74) N-amyl acetate	10.774	43	624	0.250	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	41827	24.074	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	2883	0.541	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	41827	73.360	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	7443	1.395	ug/l	99
85) sec-Butylbenzene	11.756	105	7443	1.156	ug/l #	56
90) Hexachloroethane	12.701	117	75	2.257	ug/l #	14
95) Naphthalene	13.780	128	5199	0.926	ug/l	98

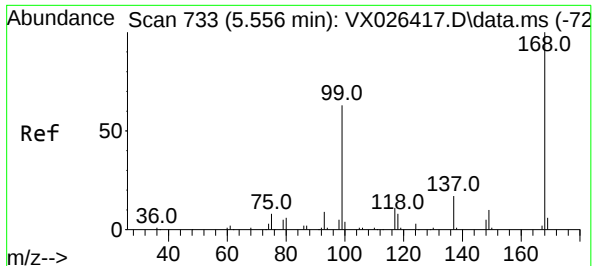
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration

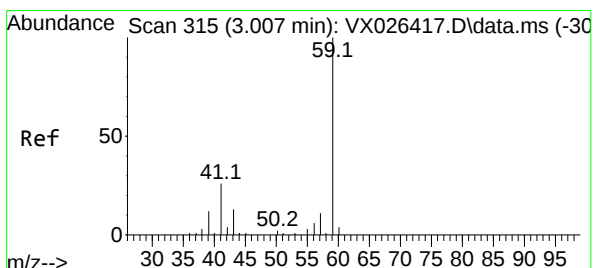
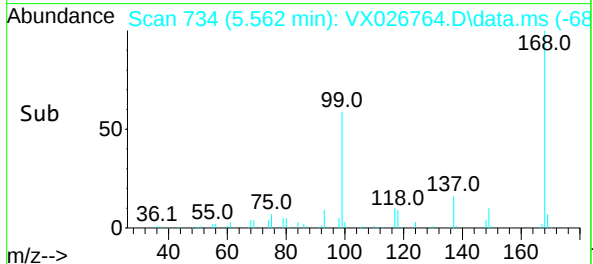
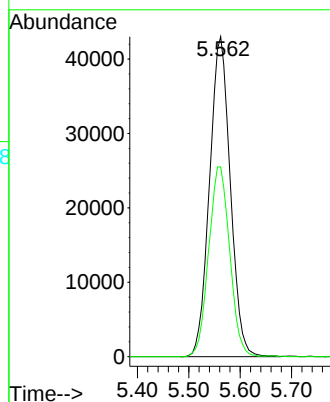
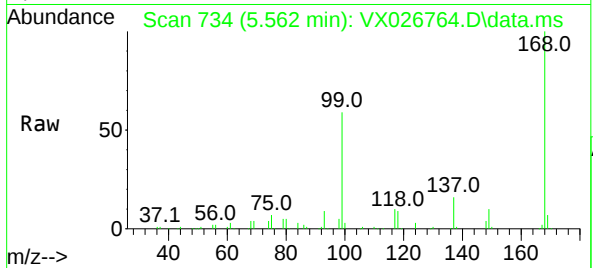




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

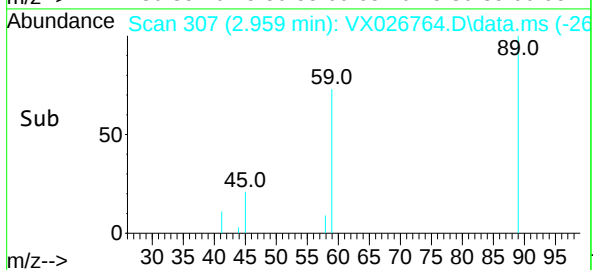
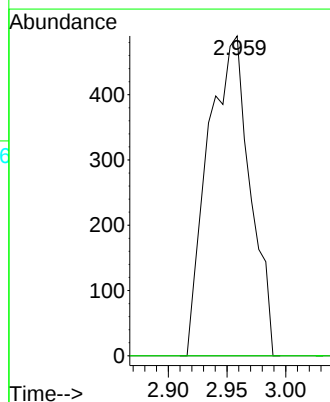
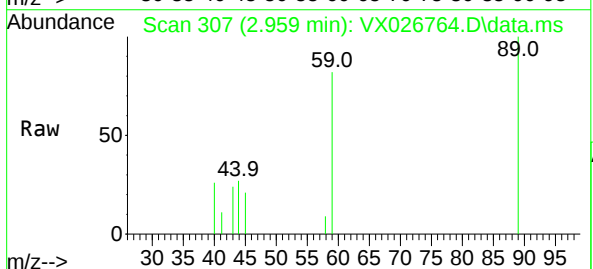
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

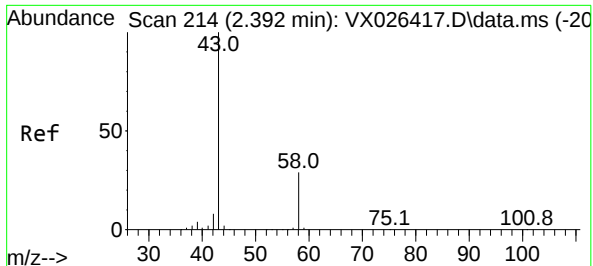
Tgt Ion:168 Resp: 120560
Ion Ratio Lower Upper
168 100
99 59.3 50.3 75.5



#11
Tert butyl alcohol
Concen: 5.216 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.048 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 59 Resp: 1222
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

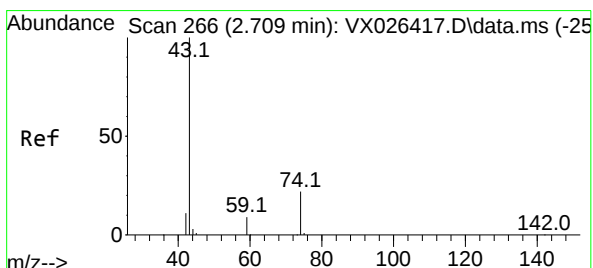
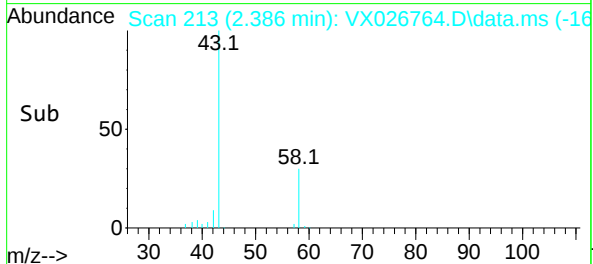
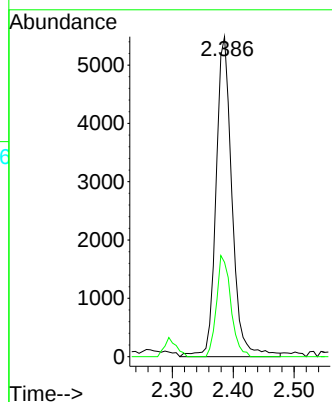
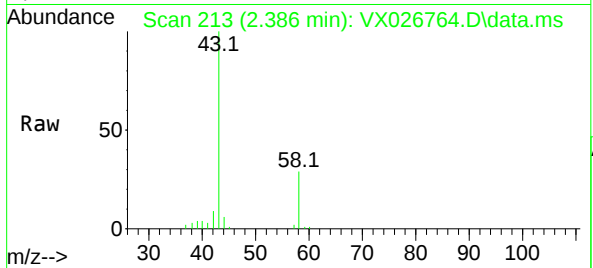




#16
Acetone
Concen: 11.614 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

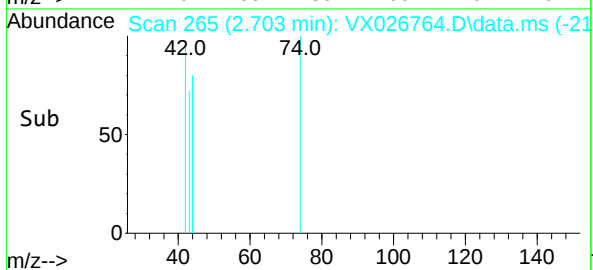
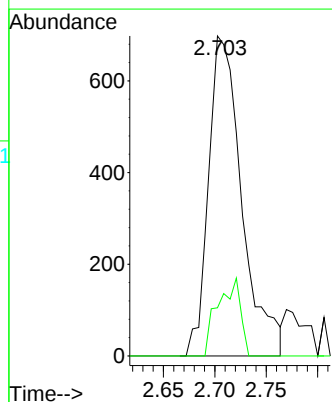
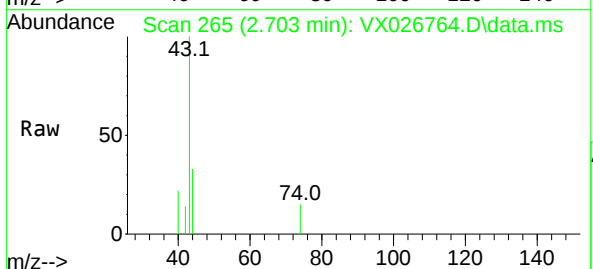
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

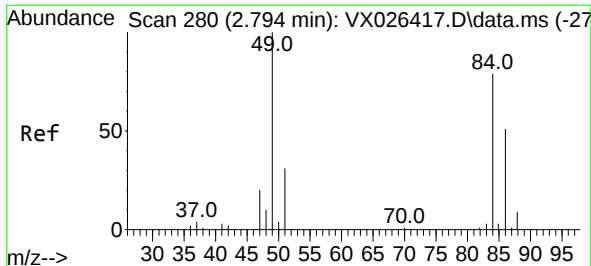
Tgt Ion: 43 Resp: 9975
Ion Ratio Lower Upper
43 100
58 29.5 23.0 34.6



#18
Methyl Acetate
Concen: 0.922 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
74 16.5 18.3 27.5#

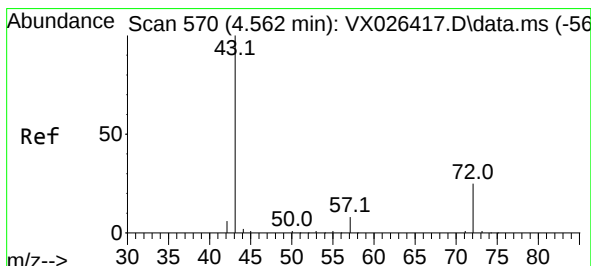
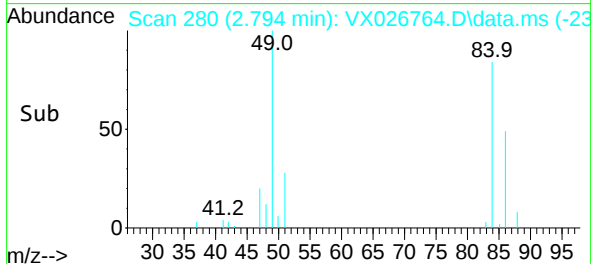
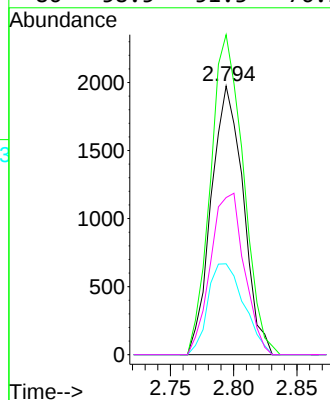
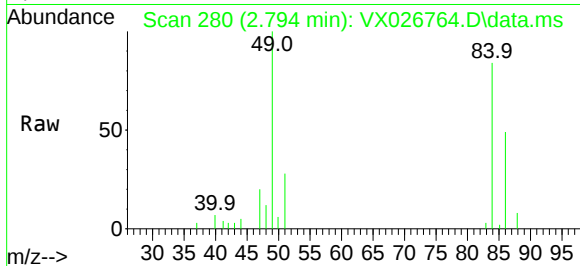




#20
Methylene Chloride
Concen: 2.440 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

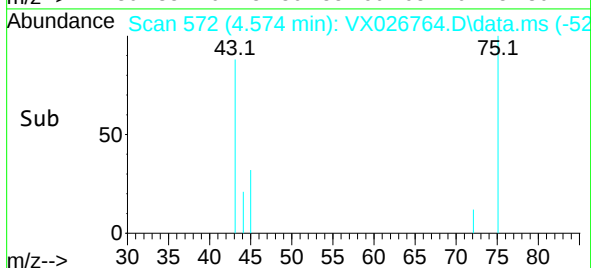
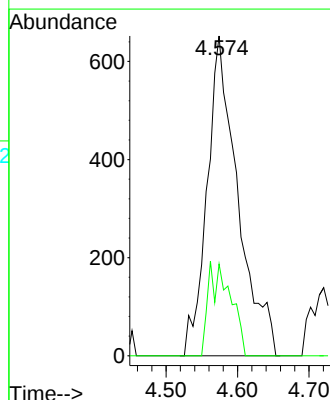
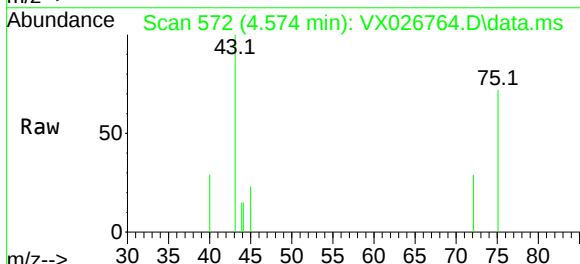
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

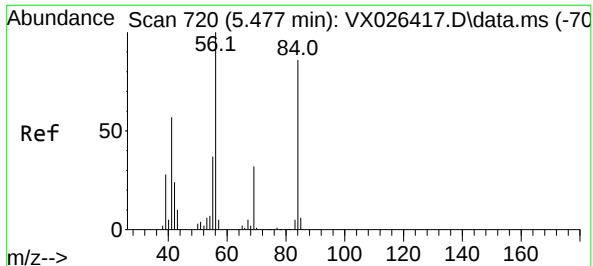
Tgt Ion:	84	Resp:	3463
Ion	Ratio	Lower	Upper
84	100		
49	119.1	101.5	152.3
51	33.8	31.2	46.8
86	58.5	51.3	76.9



#25
2-Butanone
Concen: 1.744 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

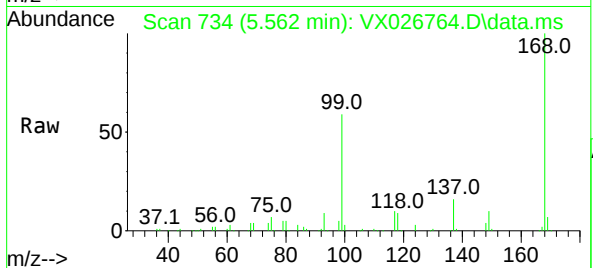
Tgt Ion:	43	Resp:	1948
Ion	Ratio	Lower	Upper
43	100		
72	28.7	20.4	30.6



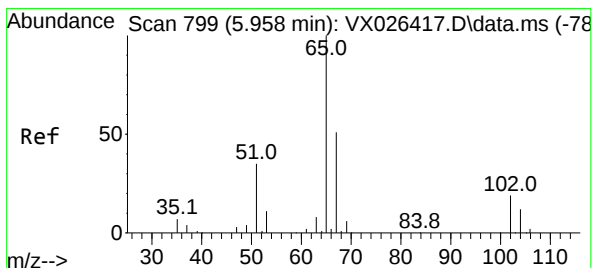
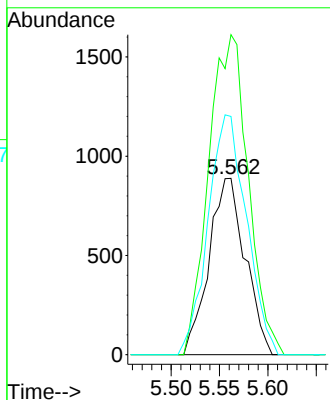
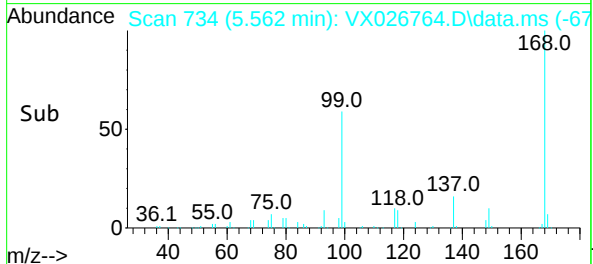


#31
Cyclohexane
Concen: 0.932 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

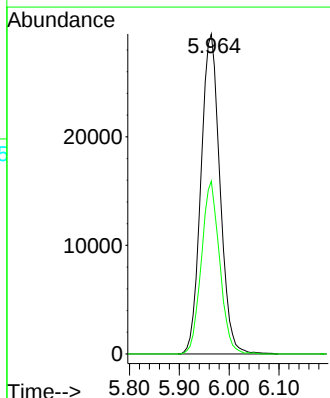
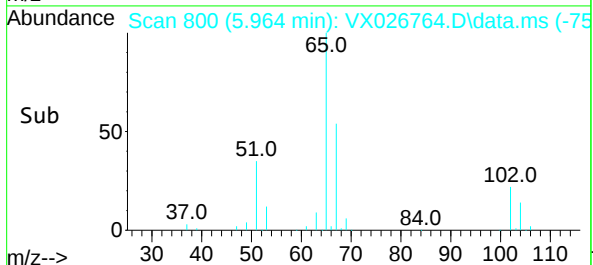
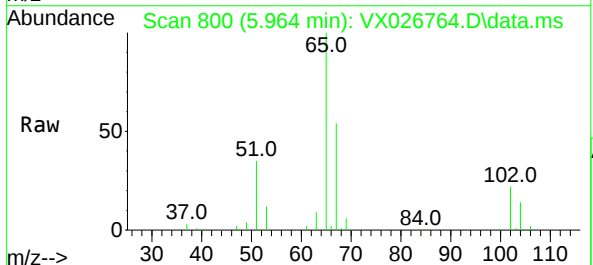


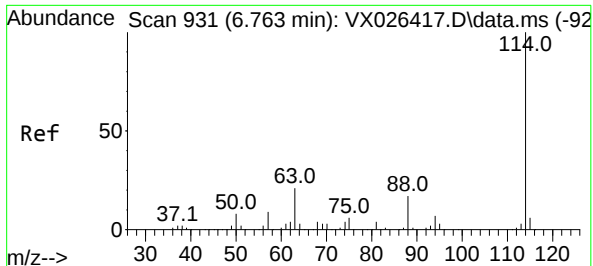
Tgt Ion: 56 Resp: 2316
Ion Ratio Lower Upper
56 100
69 181.5 25.8 38.6#
84 135.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 46.274 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 65 Resp: 77931
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026764.D

Acq: 03 Feb 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

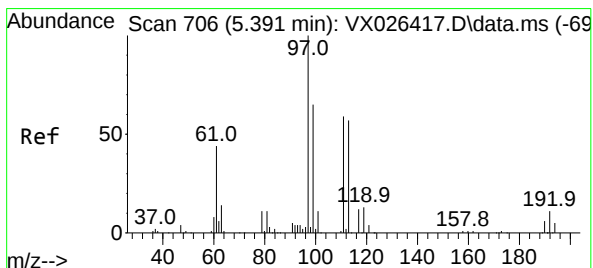
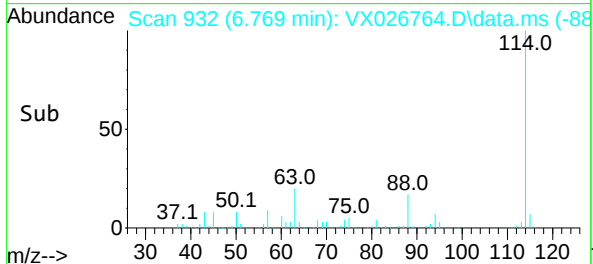
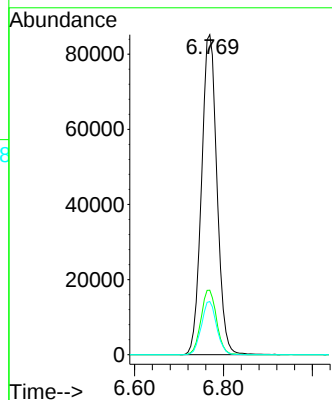
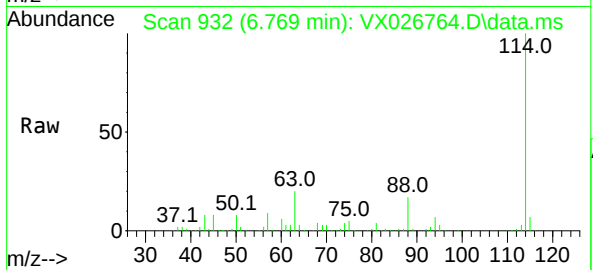
Tgt Ion:114 Resp: 206434

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

88 16.6 0.0 33.0



#35

Dibromofluoromethane

Concen: 48.584 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX026764.D

Acq: 03 Feb 2022 17:35

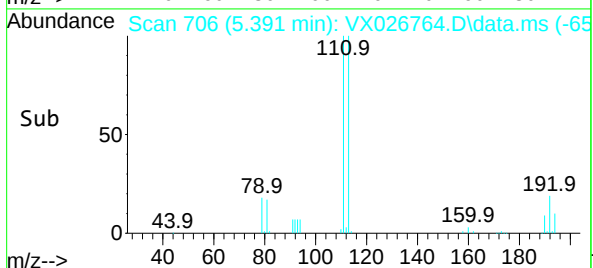
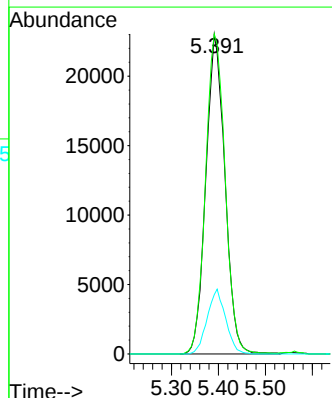
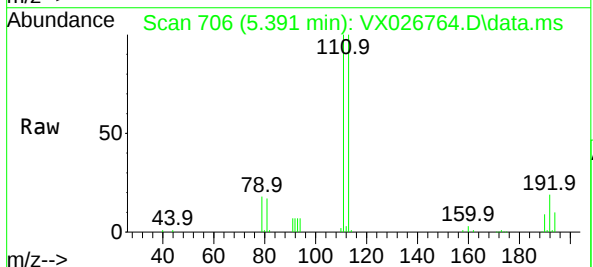
Tgt Ion:113 Resp: 64767

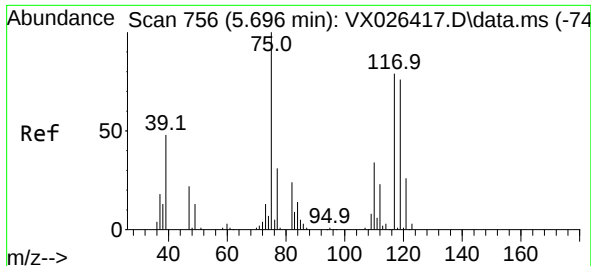
Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 19.6 15.0 22.4

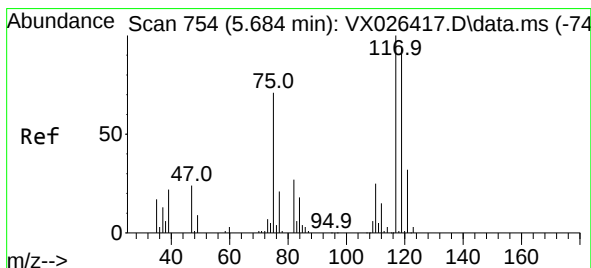
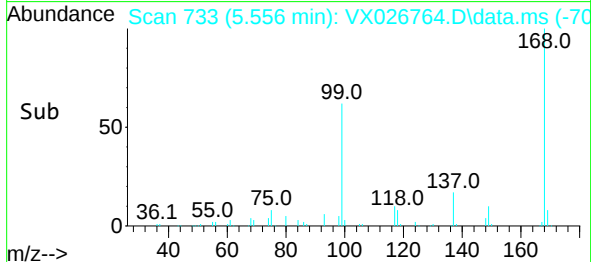
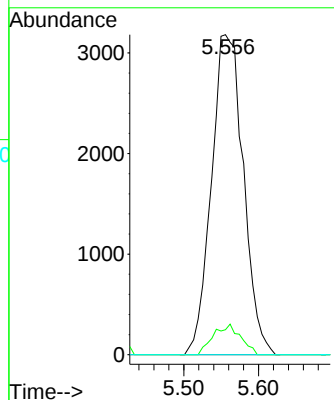
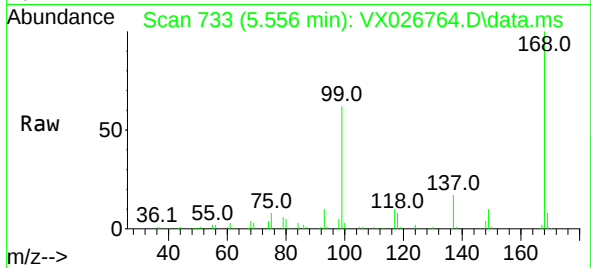




#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

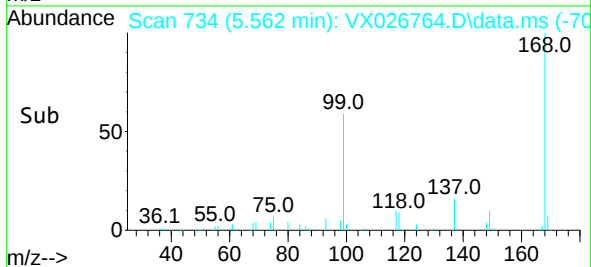
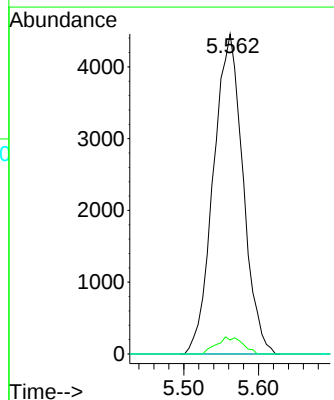
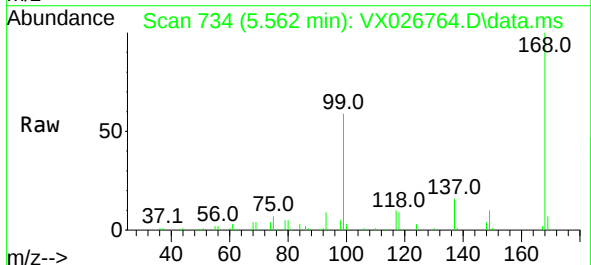
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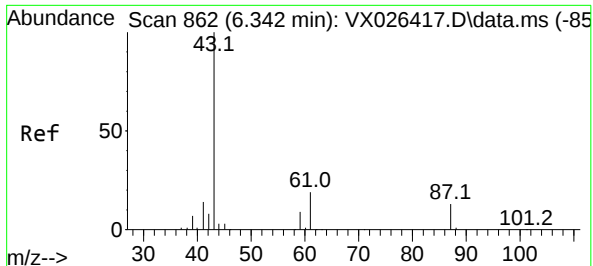
Tgt Ion: 75 Resp: 9451
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.6#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 117 Resp: 12245
Ion Ratio Lower Upper
117 100
119 4.4 74.7 112.1#
121 0.0 25.4 38.0#

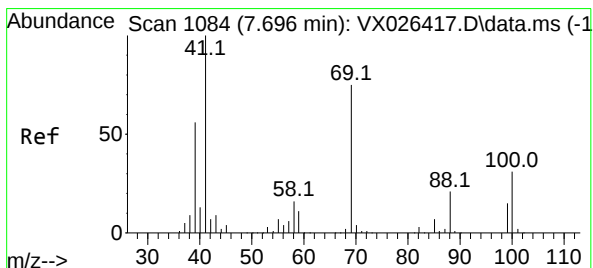
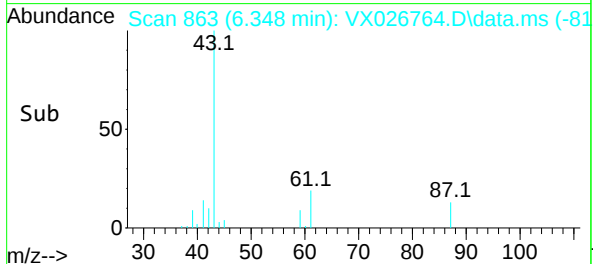
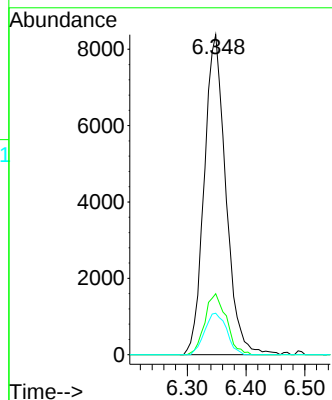
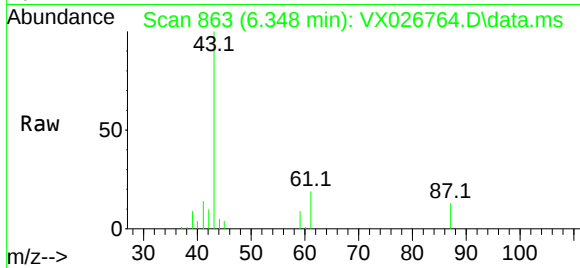




#43
Isopropyl Acetate
Concen: 6.227 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

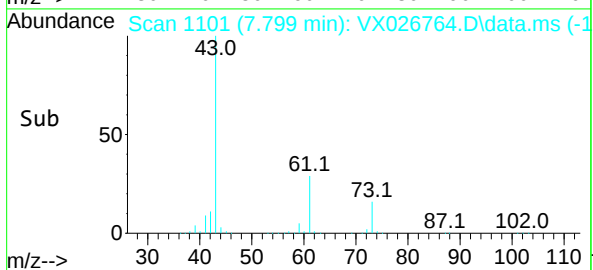
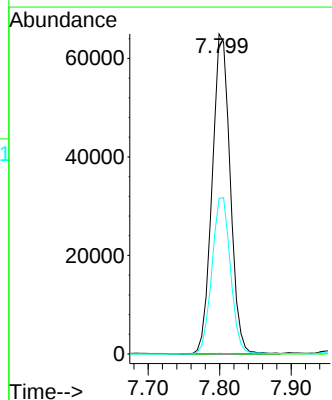
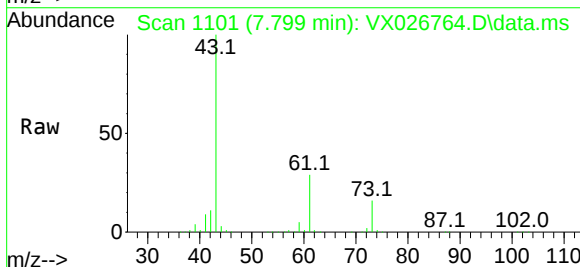
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

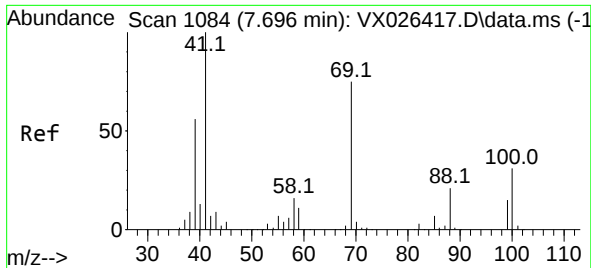
Tgt Ion: 43 Resp: 21413
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 13.2 10.2 15.2



#48
Methyl methacrylate
Concen: 66.710 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 41 Resp: 113686
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 50.4 45.4 68.0

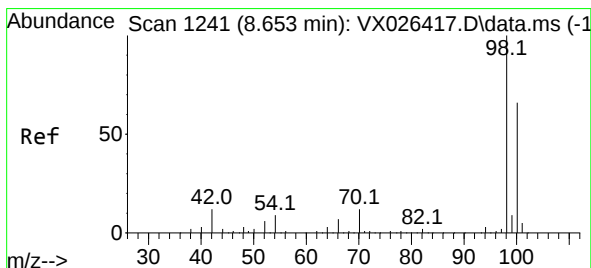
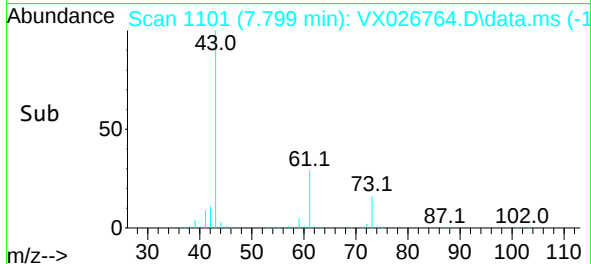
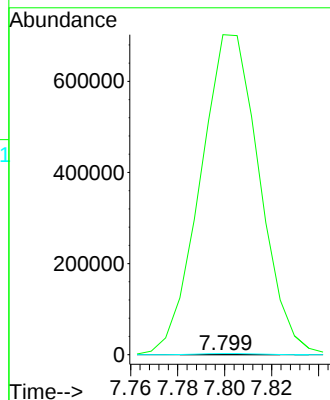
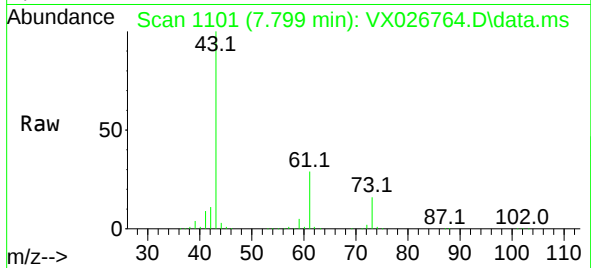




#49
1,4-Dioxane
Concen: 6.114 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

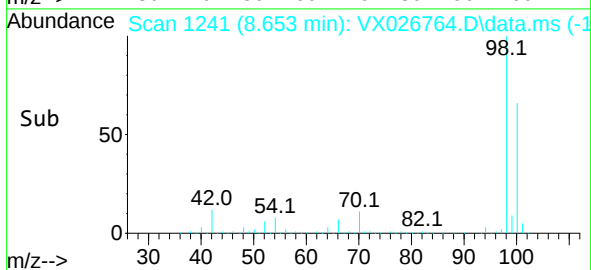
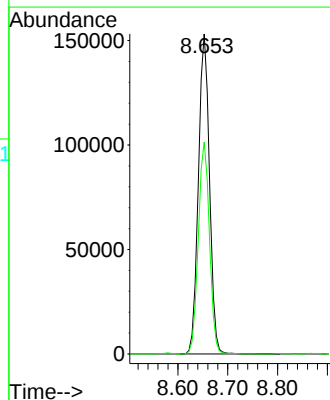
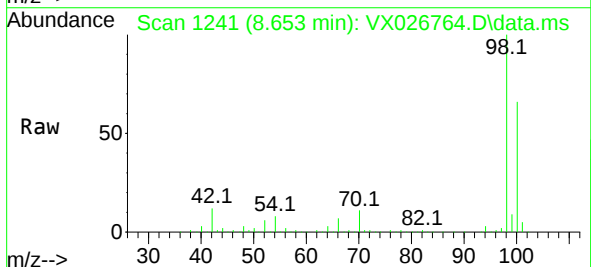
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

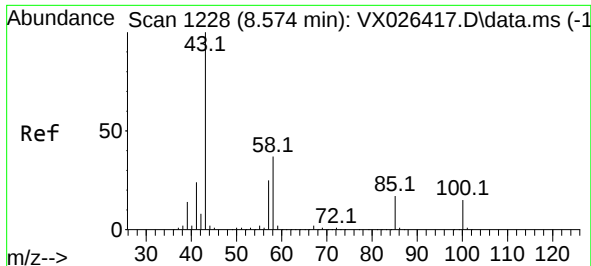
Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 725001.2 29.9 44.9#
58 2692.4 57.8 86.6#



#50
Toluene-d8
Concen: 49.180 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 98 Resp: 236255
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8

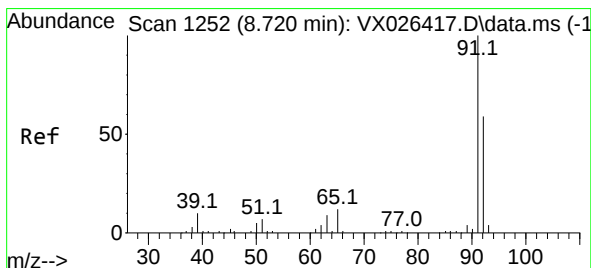
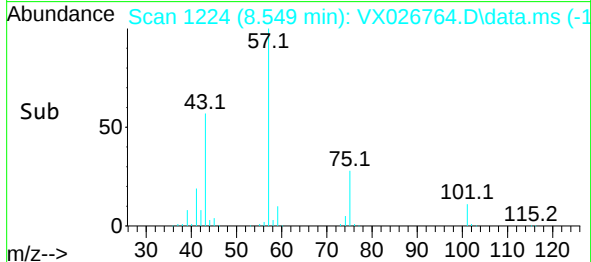
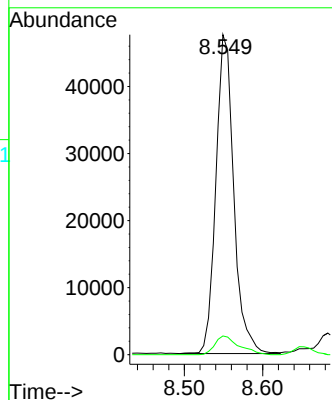
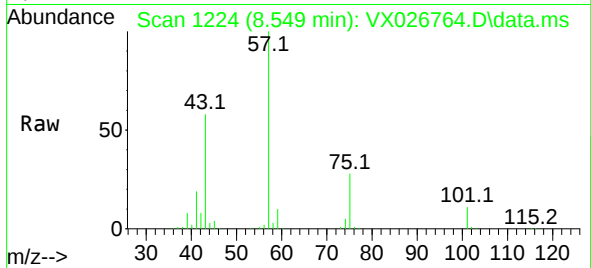




#51
4-Methyl-2-Pentanone
Concen: 37.014 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

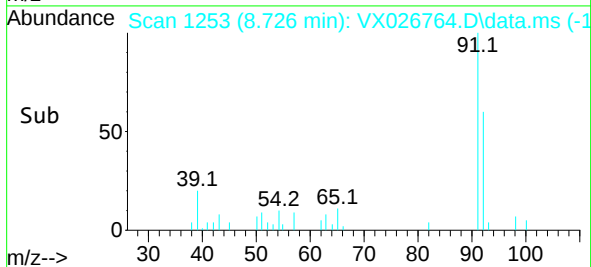
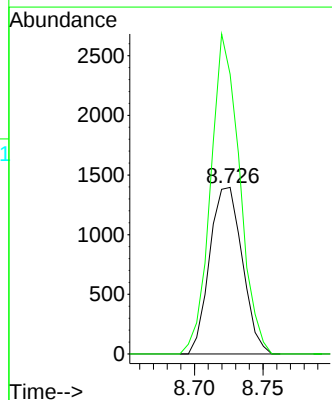
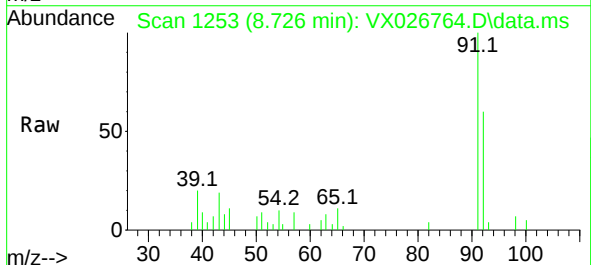
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

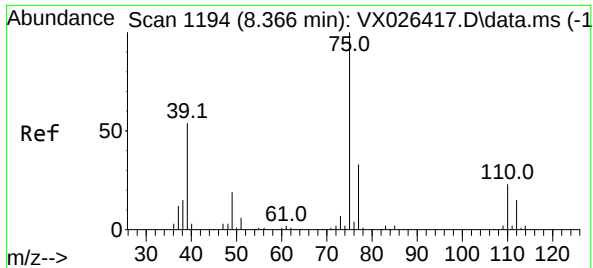
Tgt Ion: 43 Resp: 75496
Ion Ratio Lower Upper
43 100
58 7.9 30.5 45.7#



#52
Toluene
Concen: 0.647 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 92 Resp: 2308
Ion Ratio Lower Upper
92 100
91 170.5 135.7 203.5

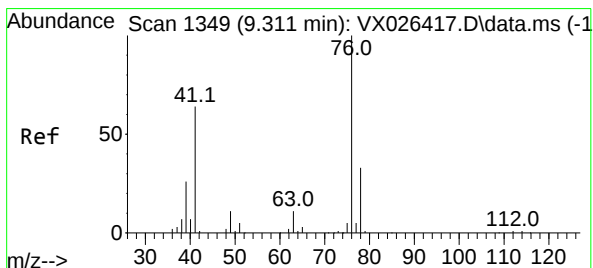
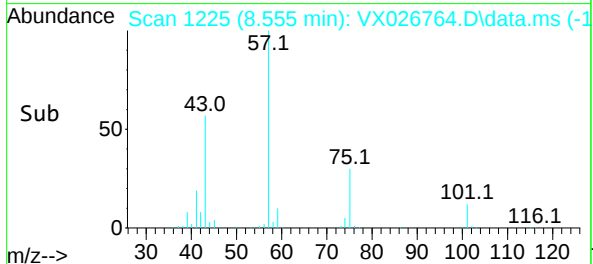
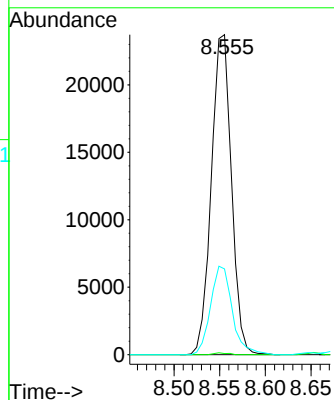
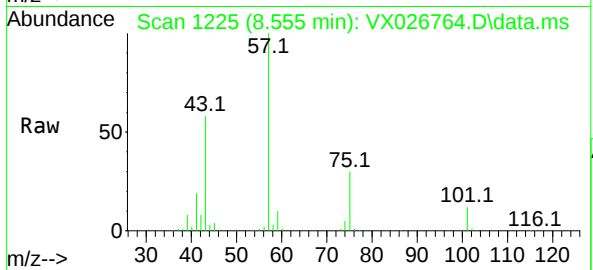




#54
 cis-1,3-Dichloropropene
 Concen: 16.326 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX026764.D
 Acq: 03 Feb 2022 17:35

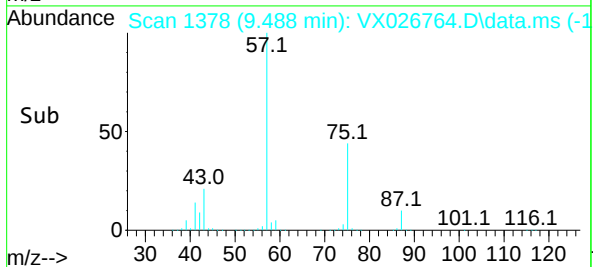
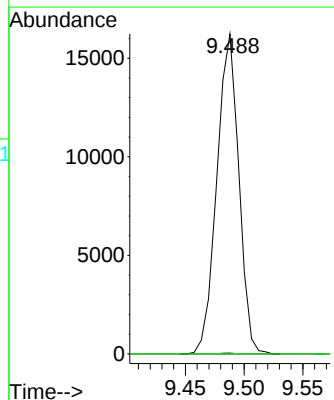
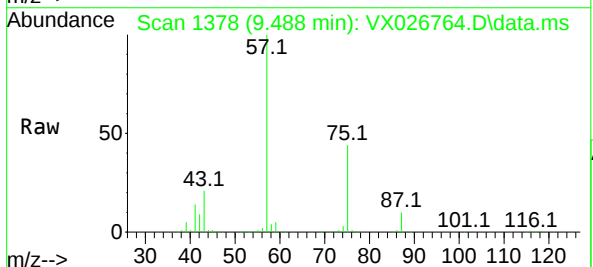
Instrument :
 MSVOA_X
 ClientSampleId :
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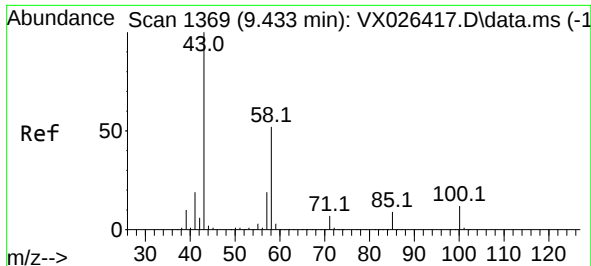
Tgt Ion: 75 Resp: 36264
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.2 39.2#
 39 26.8 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 8.758 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026764.D
 Acq: 03 Feb 2022 17:35

Tgt Ion: 76 Resp: 21135
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#





#59

2-Hexanone

Concen: 184.701 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026764.D

Acq: 03 Feb 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

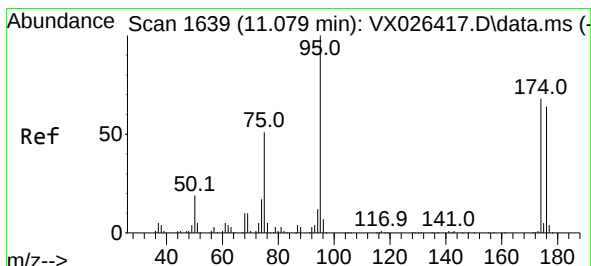
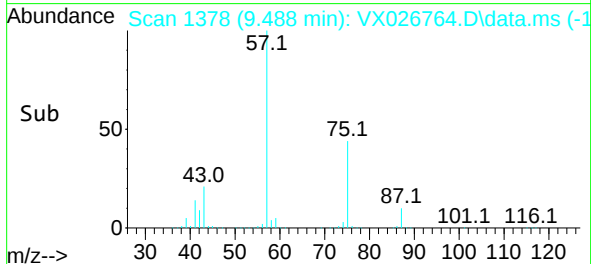
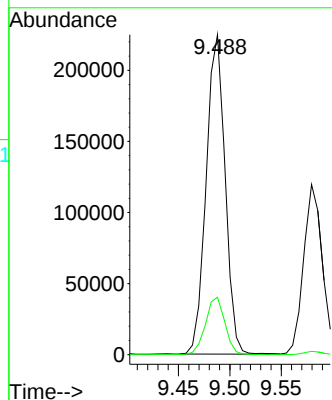
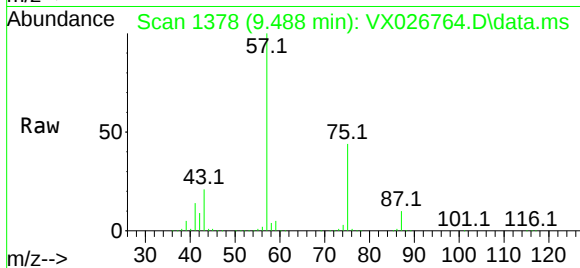
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 288339

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 49.856 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX026764.D

Acq: 03 Feb 2022 17:35

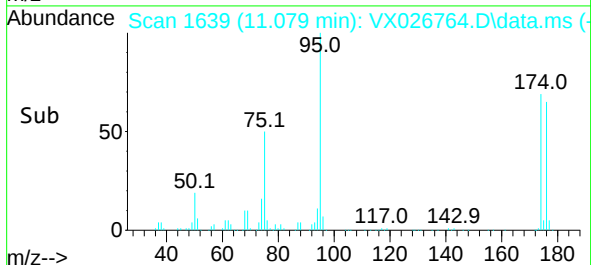
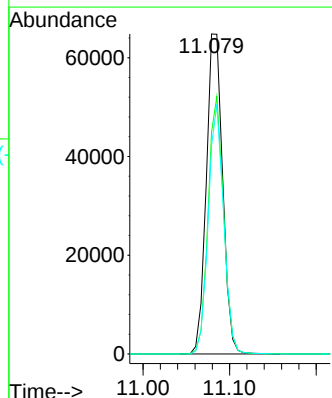
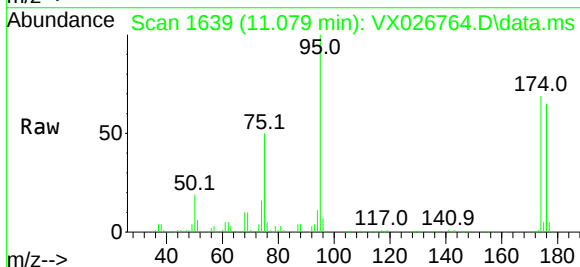
Tgt Ion: 95 Resp: 85080

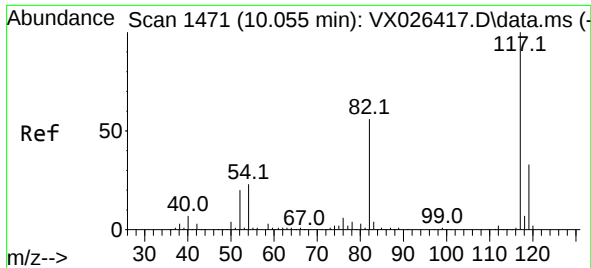
Ion Ratio Lower Upper

95 100

174 76.3 0.0 148.6

176 73.2 0.0 141.4

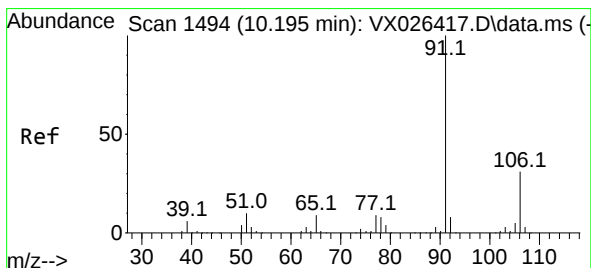
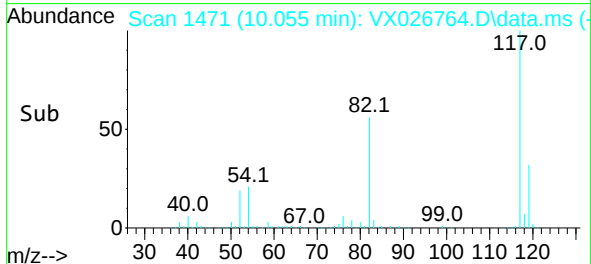
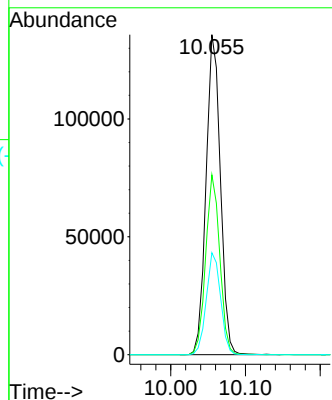
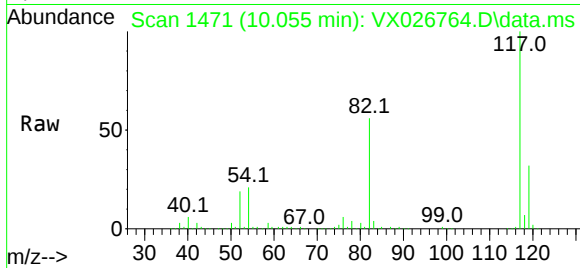




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

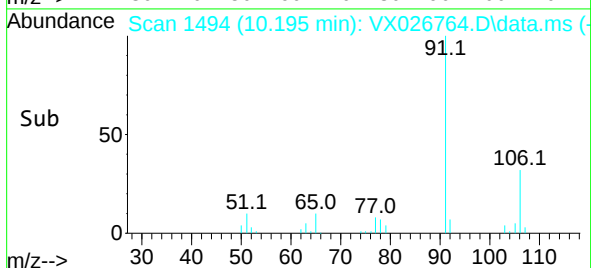
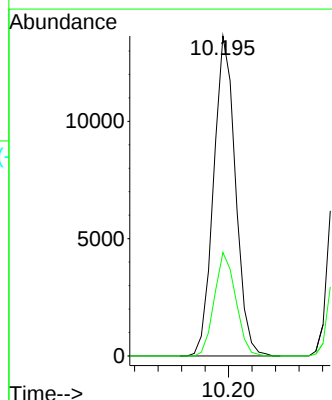
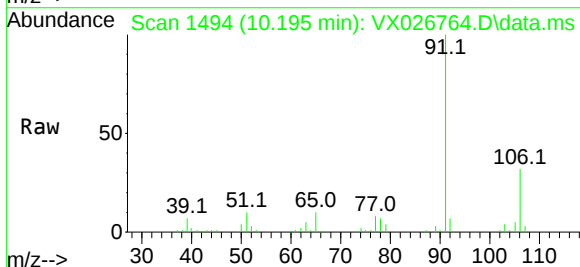
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

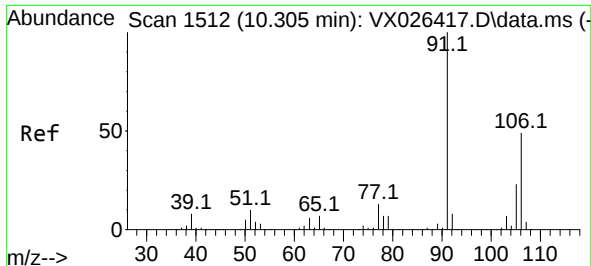
Tgt Ion:117 Resp: 180461
Ion Ratio Lower Upper
117 100
82 56.2 45.2 67.8
119 31.9 26.2 39.2



#67
Ethyl Benzene
Concen: 2.549 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 91 Resp: 17603
Ion Ratio Lower Upper
91 100
106 32.4 24.7 37.1

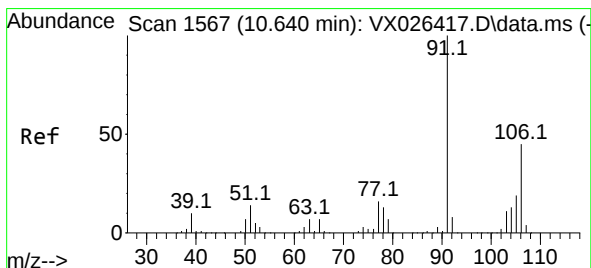
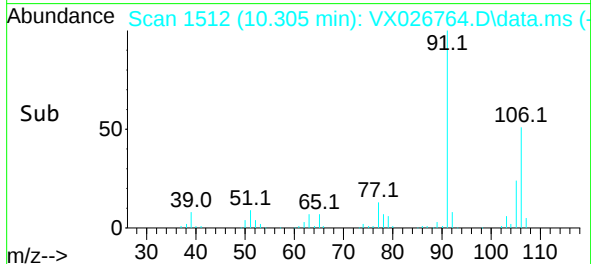
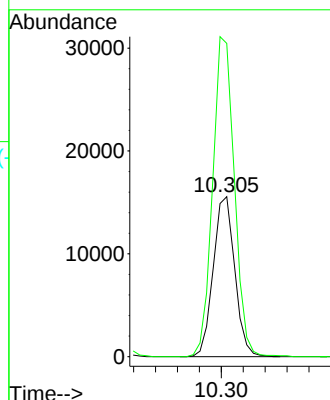
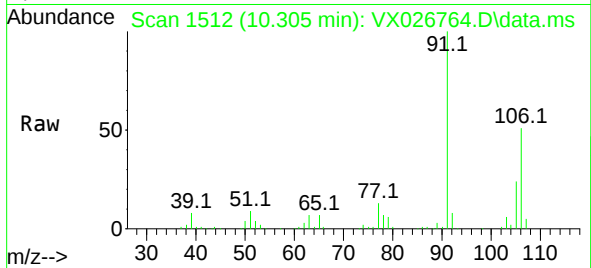




#68
m/p-Xylenes
Concen: 8.215 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

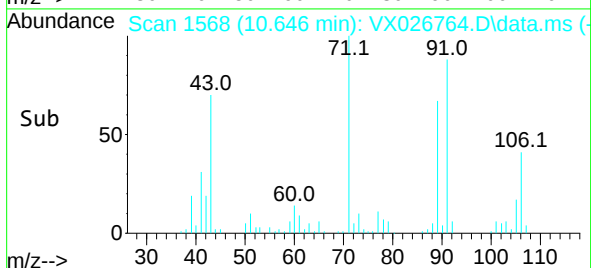
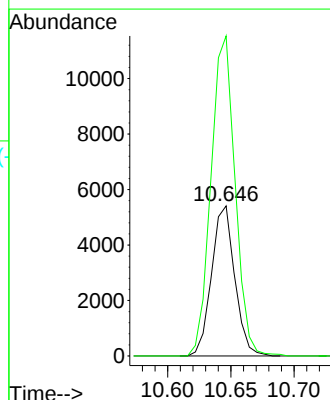
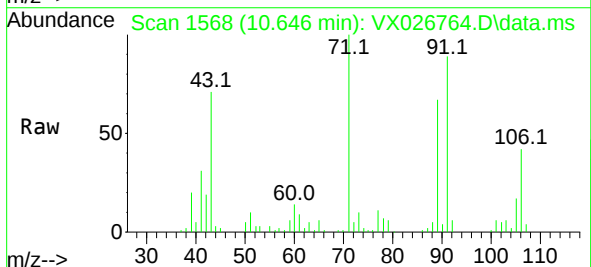
Instrument :
MSVOA_X
ClientSampleId :
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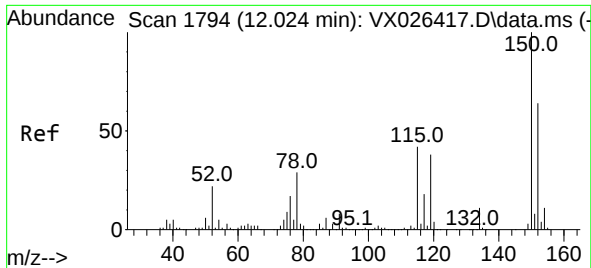
Tgt Ion:106 Resp: 21230
Ion Ratio Lower Upper
106 100
91 201.6 165.3 247.9



#69
o-Xylene
Concen: 2.763 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion:106 Resp: 6891
Ion Ratio Lower Upper
106 100
91 221.8 109.7 329.0

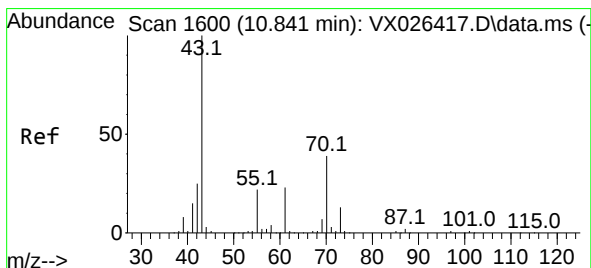
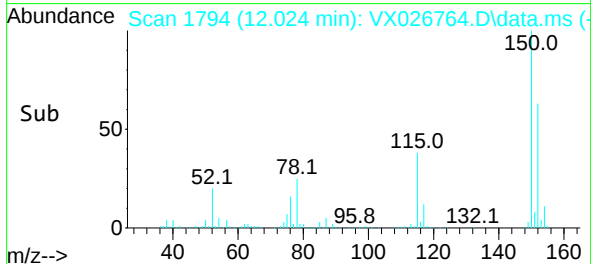
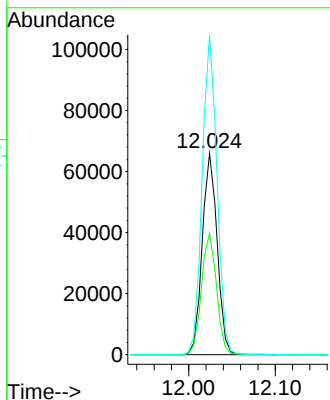
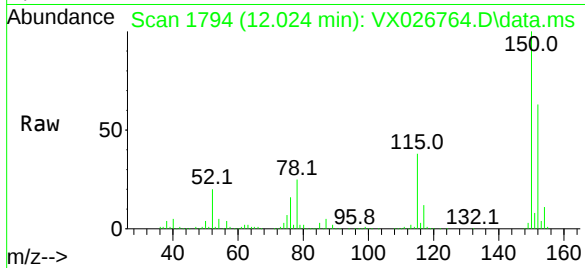




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

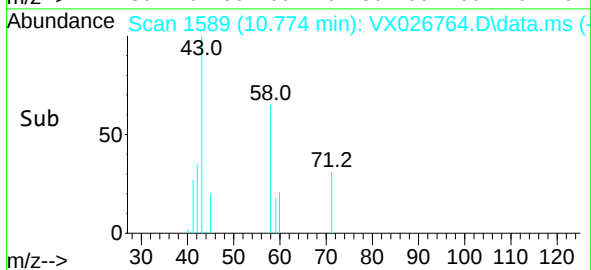
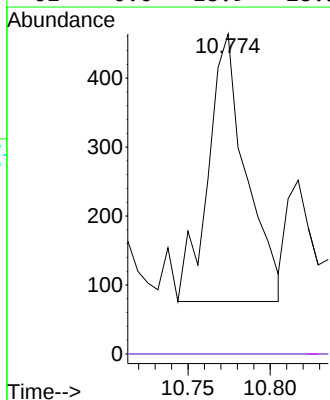
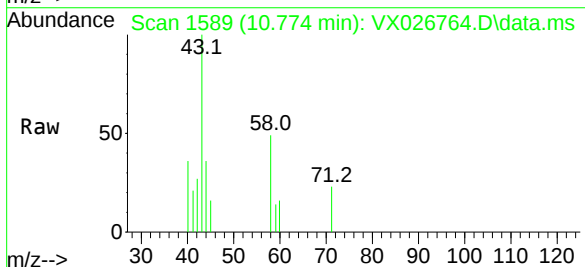
Instrument :
MSVOA_X
ClientSampleId :
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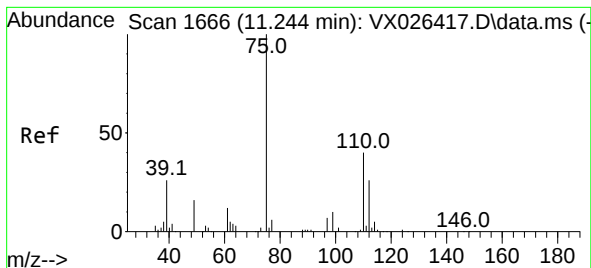
Tgt Ion:152 Resp: 78910
Ion Ratio Lower Upper
152 100
115 60.7 44.2 132.6
150 157.4 0.0 348.2



#74
N-ethyl acetate
Concen: 0.250 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 0.0 18.3 27.5#
61 0.0 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 24.074 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX026764.D

Acq: 03 Feb 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

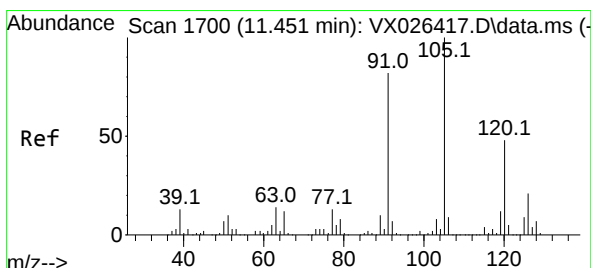
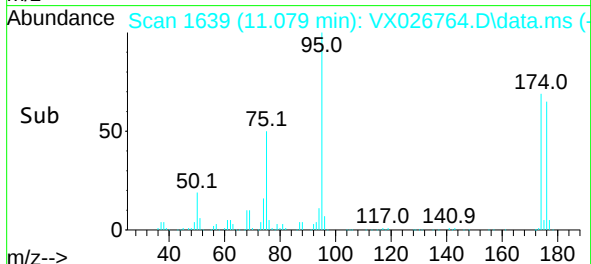
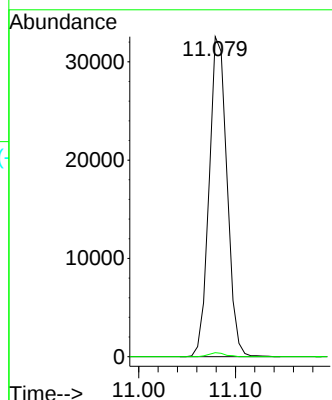
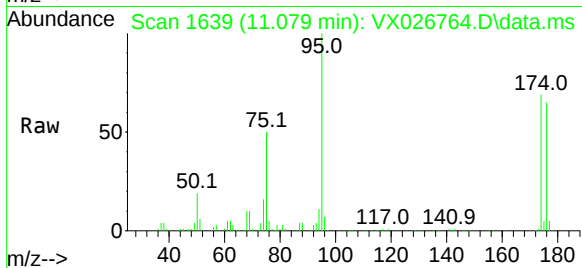
SOIL-CUTTINGS

Tgt Ion: 75 Resp: 41827

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.541 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX026764.D

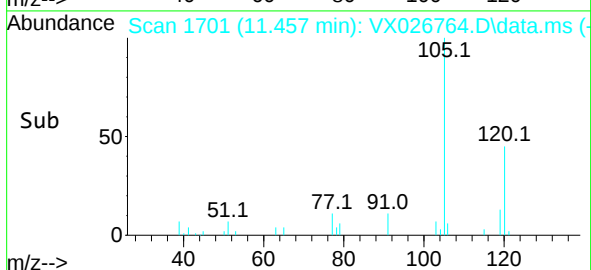
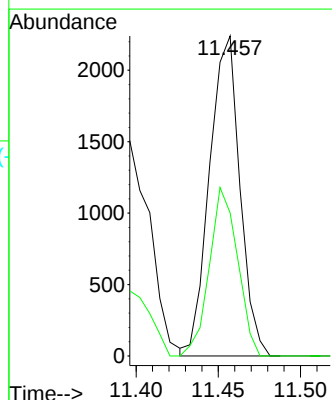
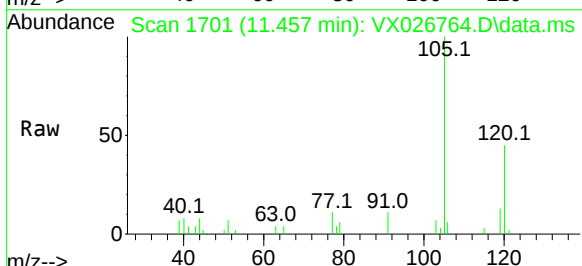
Acq: 03 Feb 2022 17:35

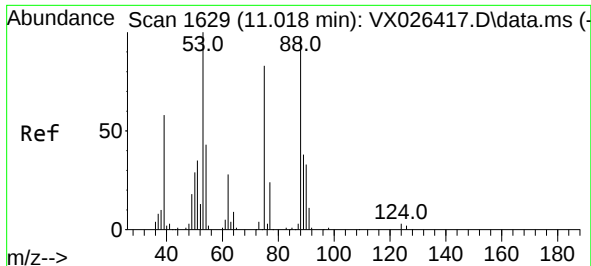
Tgt Ion: 105 Resp: 2883

Ion Ratio Lower Upper

105 100

120 48.8 24.0 72.0

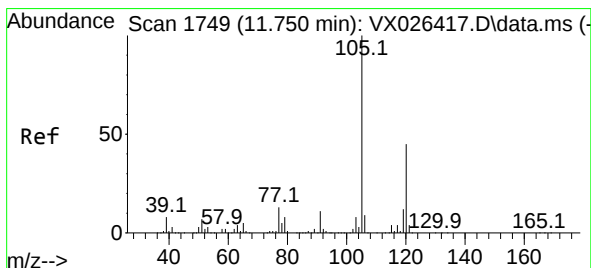
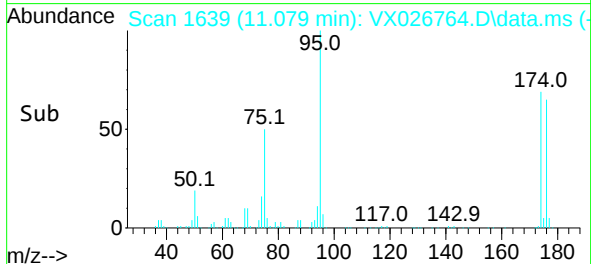
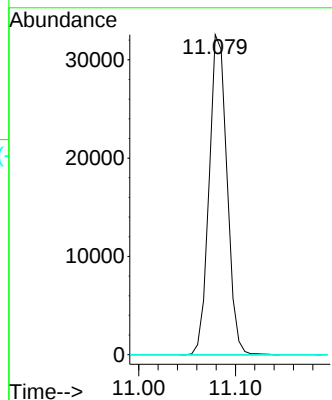
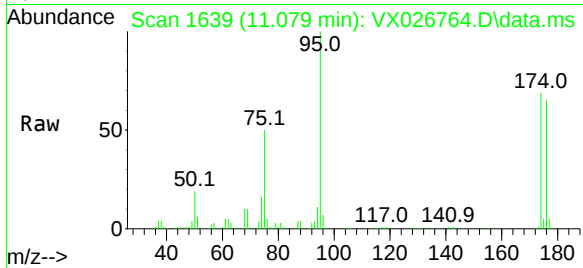




#81
trans-1,4-Dichloro-2-butene
Concen: 73.360 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

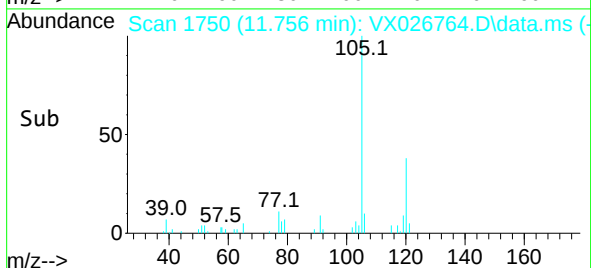
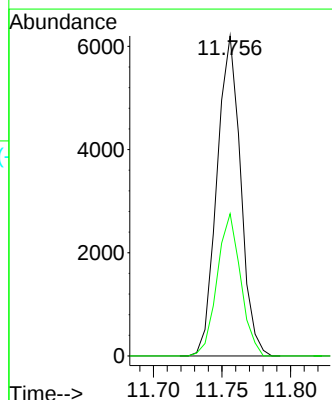
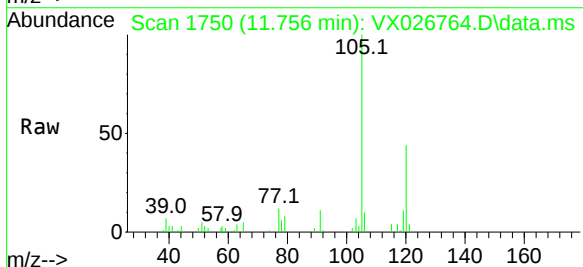
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

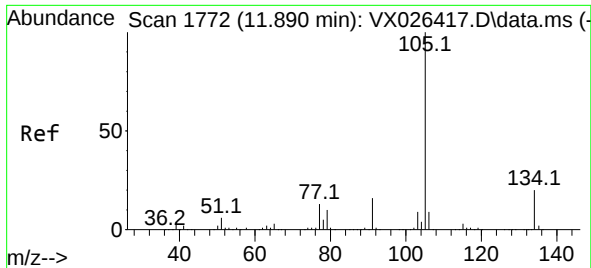
Tgt Ion: 75 Resp: 41827
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.395 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026764.D
Acq: 03 Feb 2022 17:35

Tgt Ion: 105 Resp: 7443
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.5

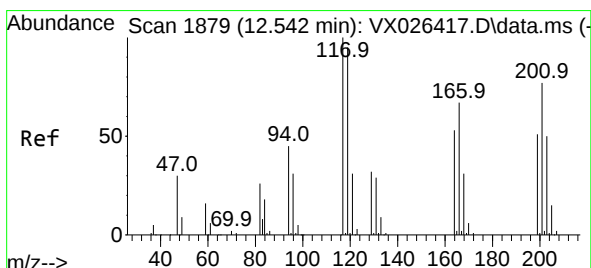
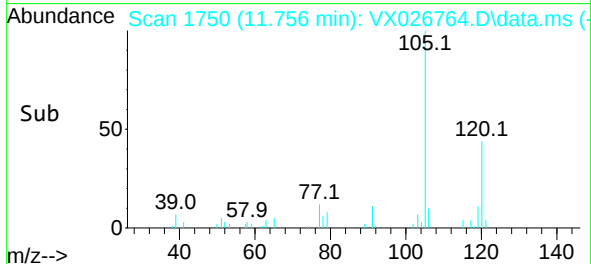
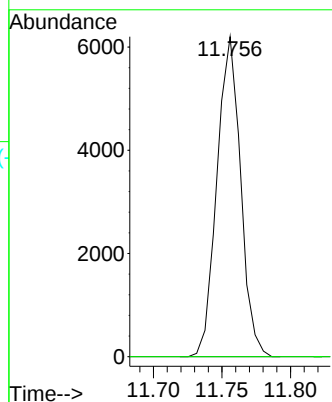
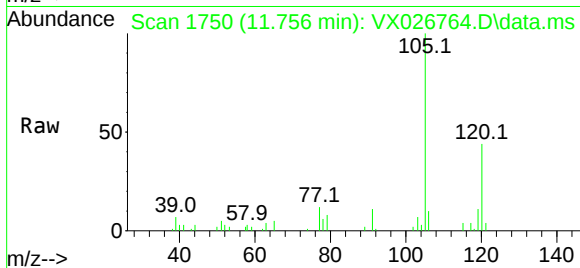




#85
 sec-Butylbenzene
 Concen: 1.156 ug/l
 RT: 11.756 min Scan# 11756
 Delta R.T. -0.134 min
 Lab File: VX026764.D
 Acq: 03 Feb 2022 17:35

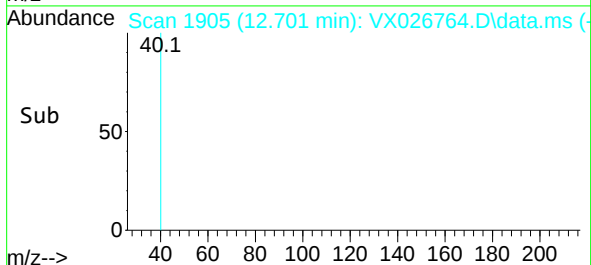
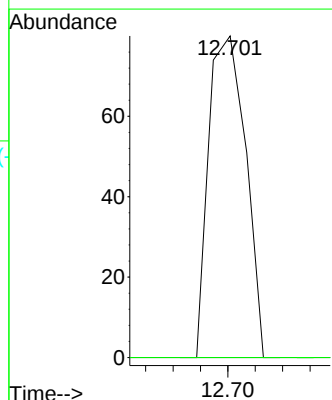
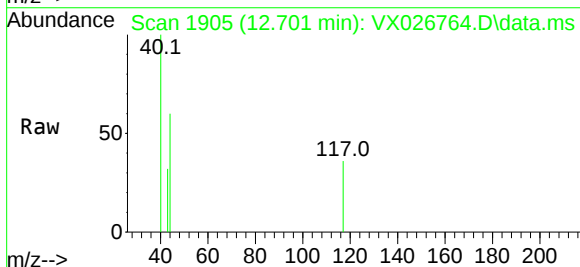
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

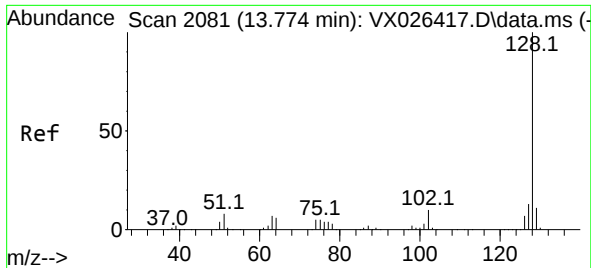
Tgt Ion:105 Resp: 7443
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 2.257 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX026764.D
 Acq: 03 Feb 2022 17:35

Tgt Ion:117 Resp: 75
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.6 106.8#





#95

Naphthalene

Concen: 0.926 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX026764.D

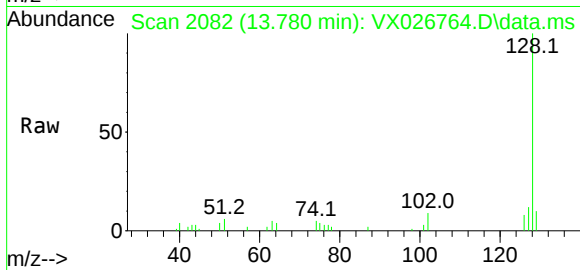
Acq: 03 Feb 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS



Tgt Ion:128 Resp: 5199

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 12.3 8.7 13.1

