

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053122\
 Data File : VX029084.D
 Acq On : 31 May 2022 19:14
 Operator : JC/MD
 Sample : N3103-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 01 04:59:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

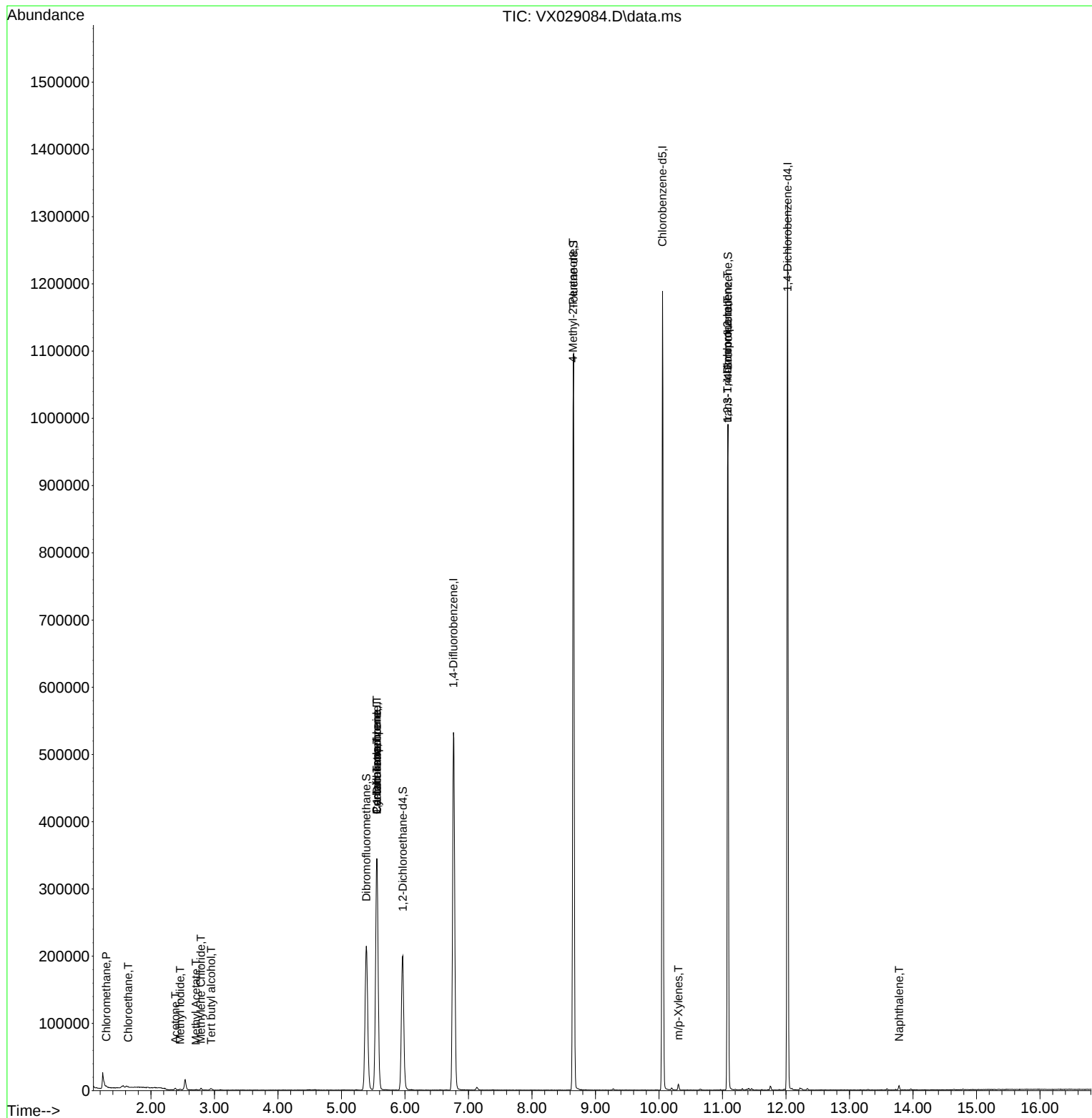
Internal Standards						
1) Pentafluorobenzene	5.556	168	346090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	589197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	573532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	284036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	195355	50.057	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.120%
35) Dibromofluoromethane	5.391	113	193367	49.409	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.820%
50) Toluene-d8	8.653	98	687475	48.030	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.060%
62) 4-Bromofluorobenzene	11.085	95	274575	49.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	741	0.235	ug/l	94
5) Bromomethane	1.612	94	1337	Below Cal		98
6) Chloroethane	1.642	64	2547	2.219	ug/l #	43
10) Methyl Iodide	2.459	142	1421	4.560	ug/l #	96
11) Tert butyl alcohol	2.947	59	1210	1.338	ug/l #	72
16) Acetone	2.386	43	2706	1.761	ug/l	95
18) Methyl Acetate	2.709	43	896	0.225	ug/l #	70
20) Methylene Chloride	2.788	84	1108	0.309	ug/l #	85
31) Cyclohexane	5.556	56	5429	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23140	4.595	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33383	5.801	ug/l #	16
44) Trichloroethene	7.141	130	1573	Below Cal		85
51) 4-Methyl-2-Pentanone	8.647	43	2224	0.438	ug/l #	1
68) m/p-Xylenes	10.305	106	2189	0.275	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	127223	22.095	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	127223	64.824	ug/l #	15
94) Hexachlorobutadiene	13.731	225	220	Below Cal		72
95) Naphthalene	13.780	128	5115	0.271	ug/l	100

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

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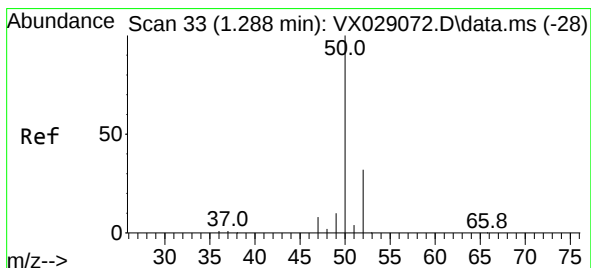
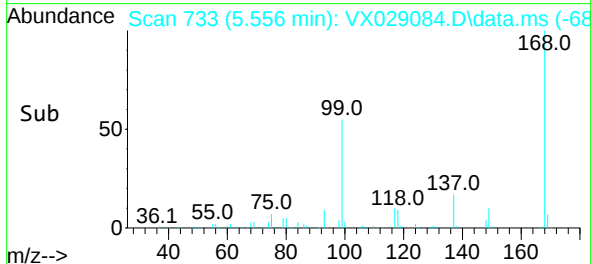
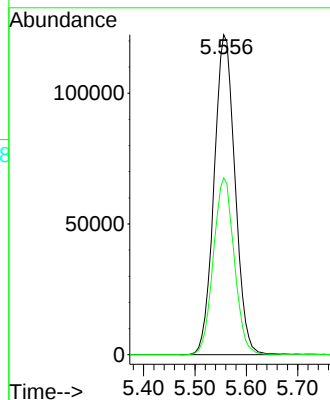
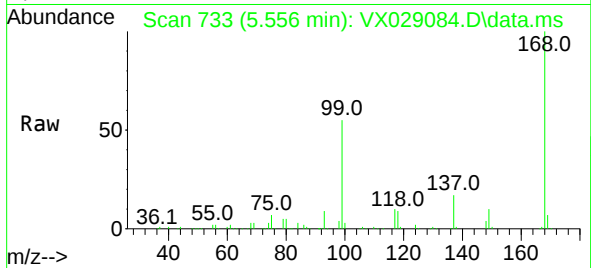




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

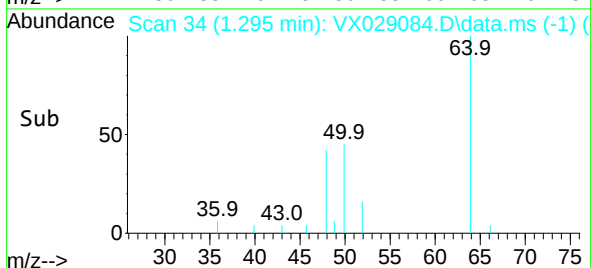
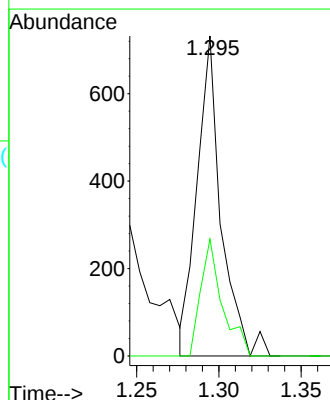
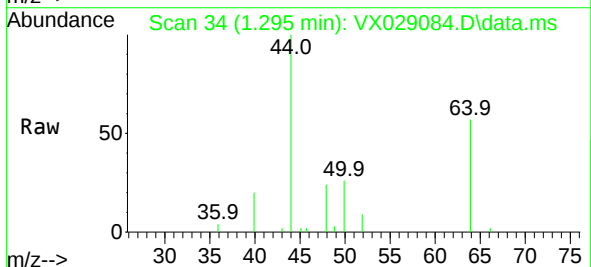
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 346090
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: 0.235 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 50 Resp: 741
Ion Ratio Lower Upper
50 100
52 36.5 26.4 39.6

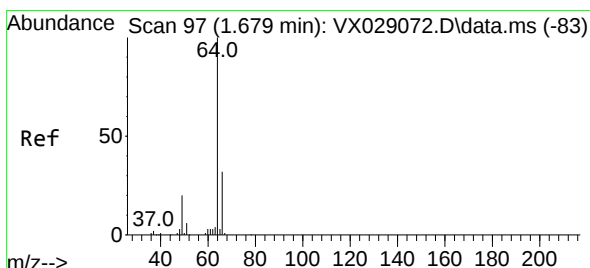
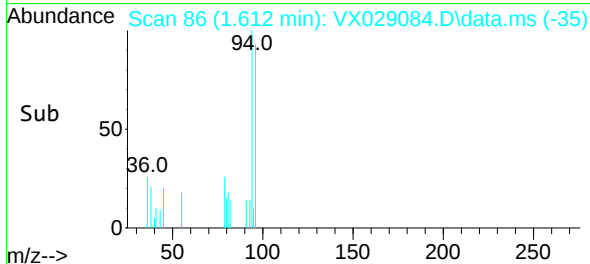
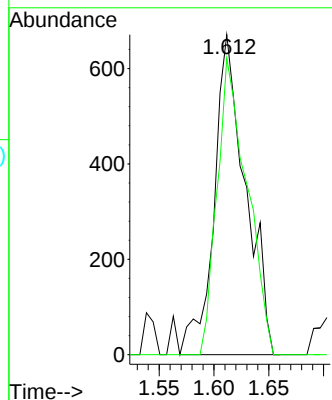
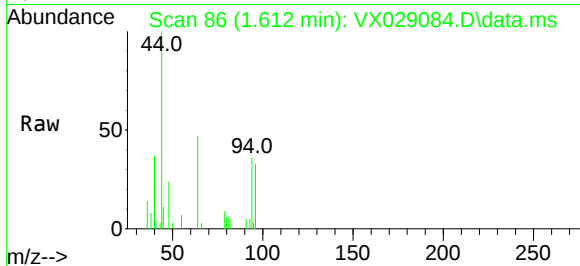




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

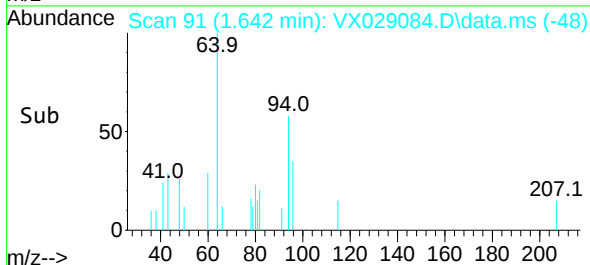
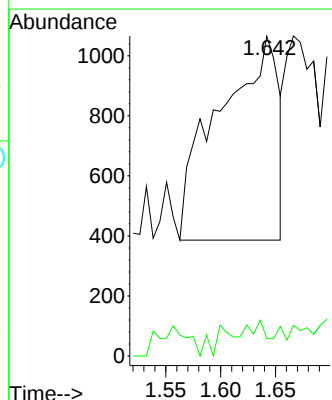
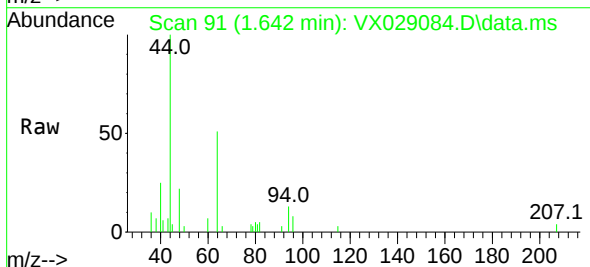
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

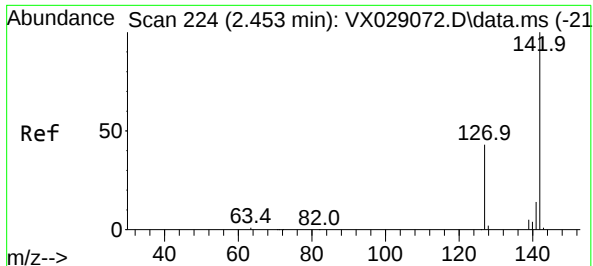
Tgt Ion: 94 Resp: 1337
Ion Ratio Lower Upper
94 100
96 92.5 75.3 112.9



#6
Chloroethane
Concen: 2.219 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 64 Resp: 2547
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

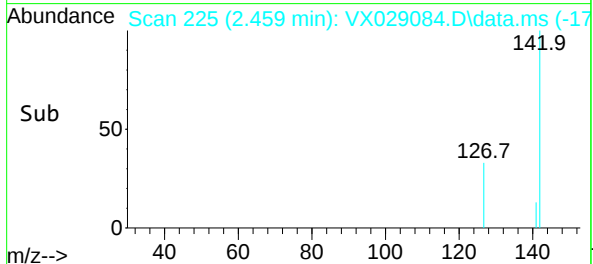
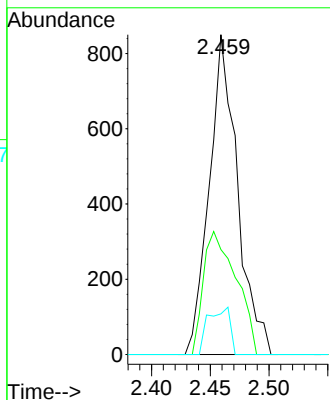
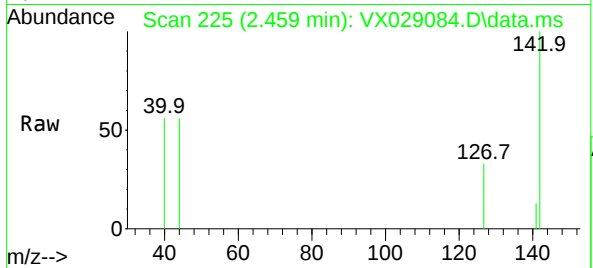




#10
Methyl Iodide
Concen: 4.560 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

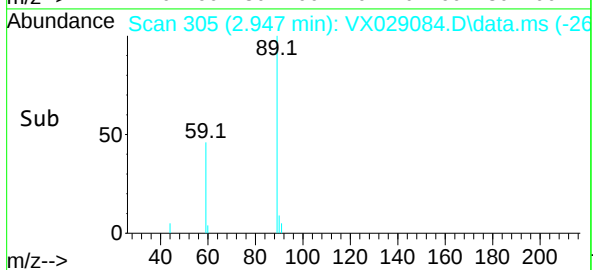
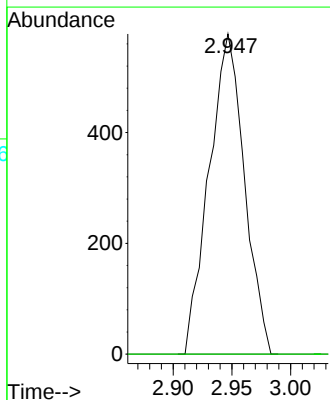
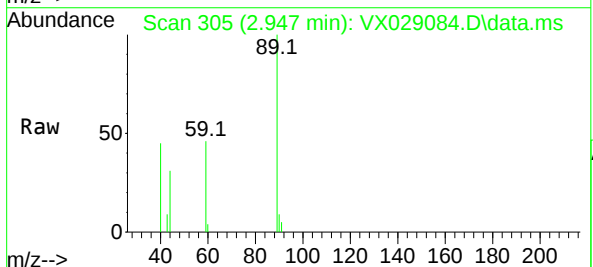
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

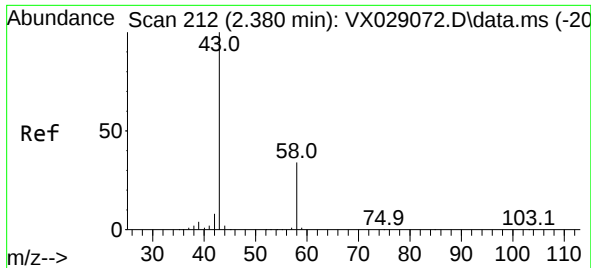
Tgt Ion:142 Resp: 1421
Ion Ratio Lower Upper
142 100
127 44.6 33.9 50.9
141 11.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.338 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 59 Resp: 1210
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

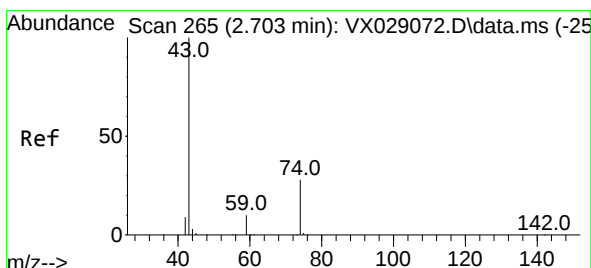
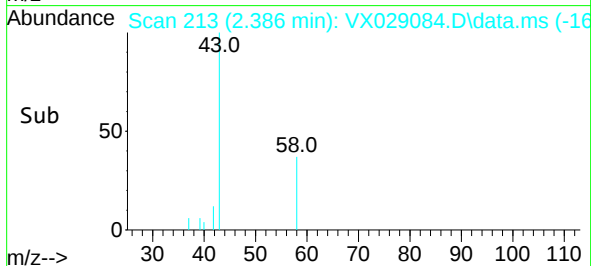
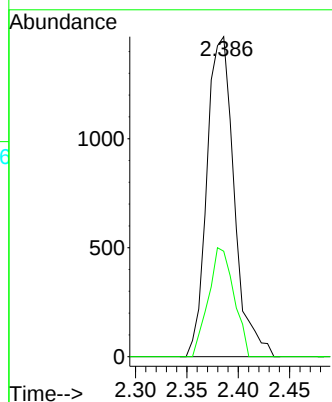
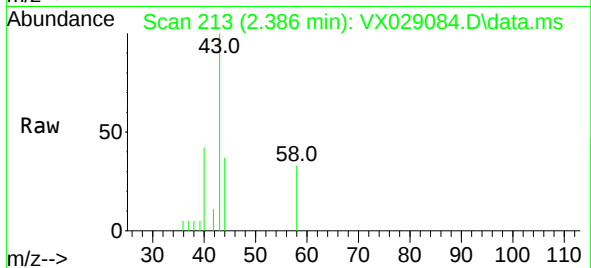




#16
Acetone
Concen: 1.761 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

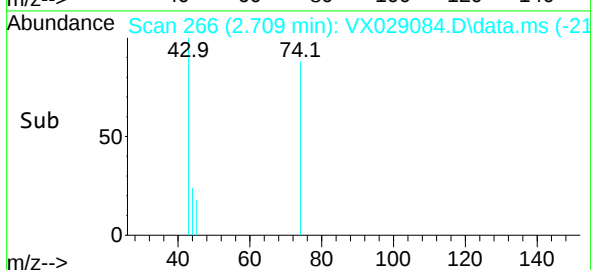
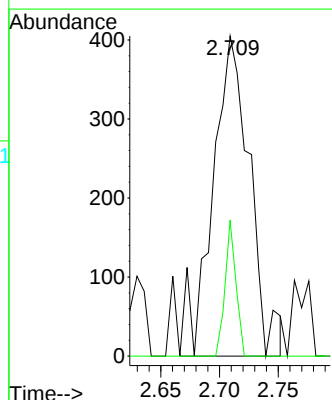
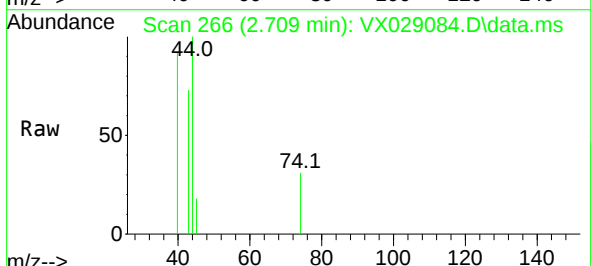
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

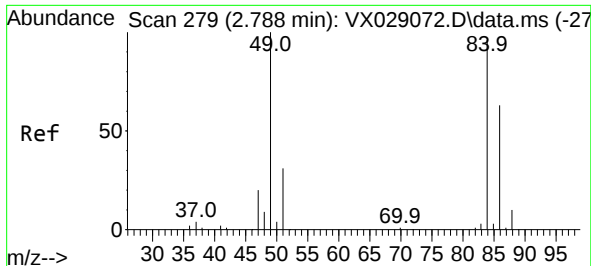
Tgt Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.225 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

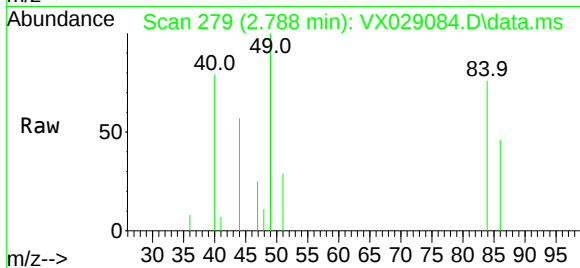
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
74 12.4 22.8 34.2#



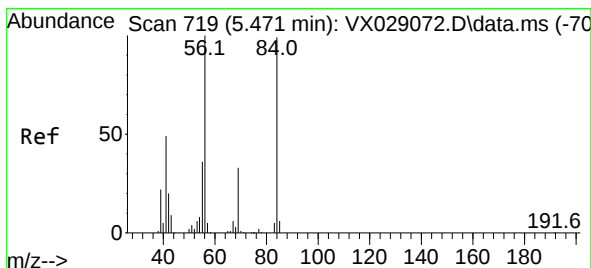
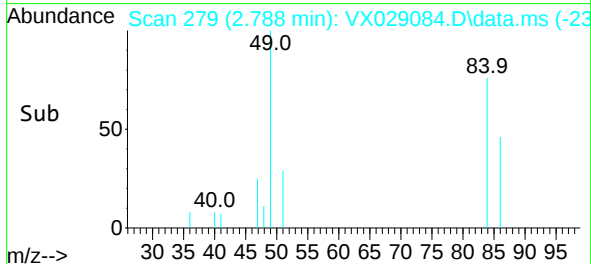
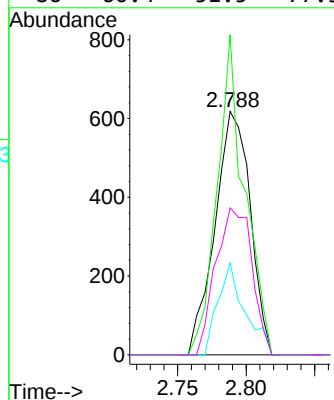


#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

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

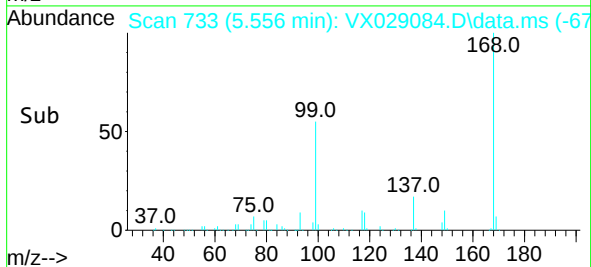
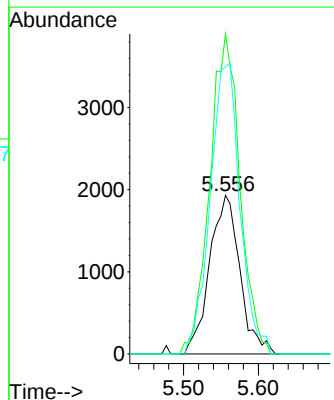
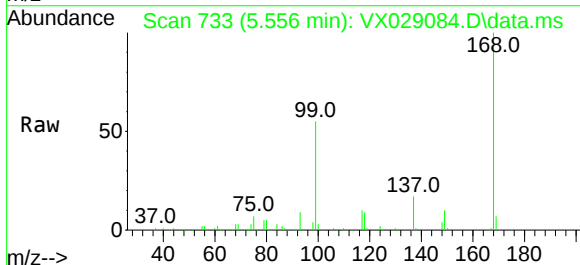


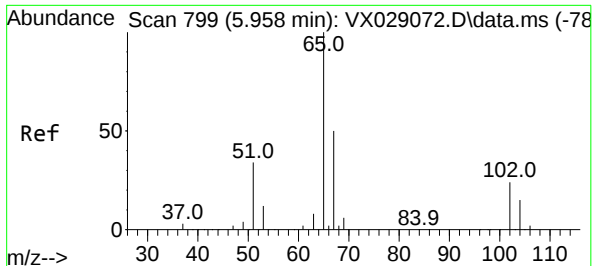
Tgt Ion: 84	Resp: 1108
Ion Ratio	Lower Upper
84 100	
49 131.6	85.5 128.3#
51 37.7	26.6 39.8
86 60.4	51.5 77.3



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 56	Resp: 5429
Ion Ratio	Lower Upper
56 100	
69 201.9	26.7 40.1#
84 181.0	77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 50.057 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029084.D

Acq: 31 May 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

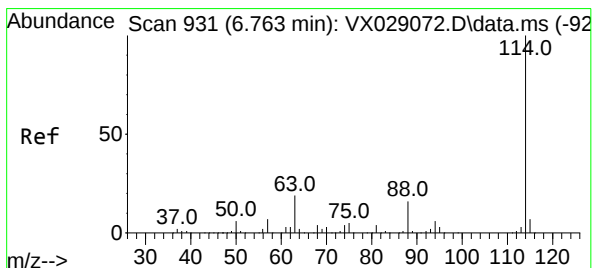
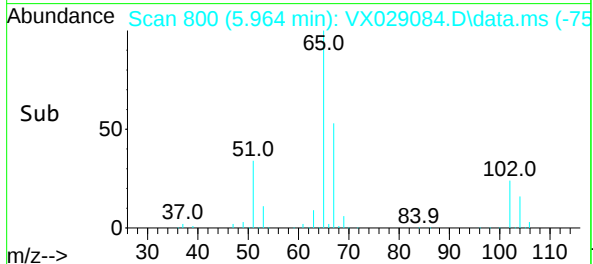
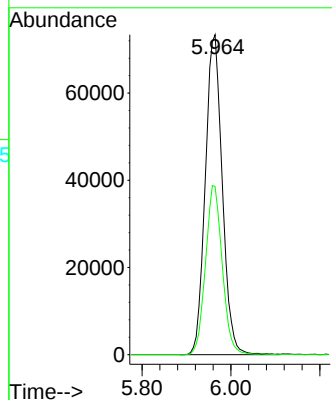
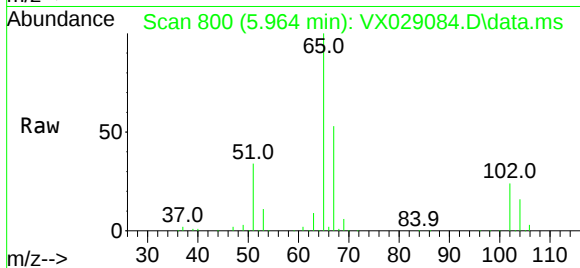
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 195355

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029084.D

Acq: 31 May 2022 19:14

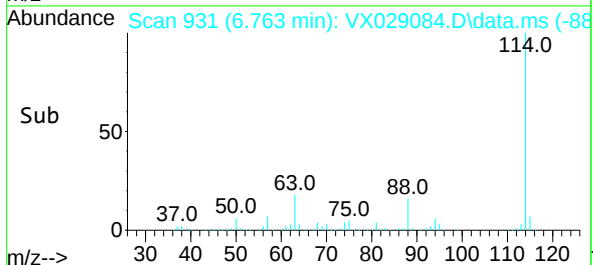
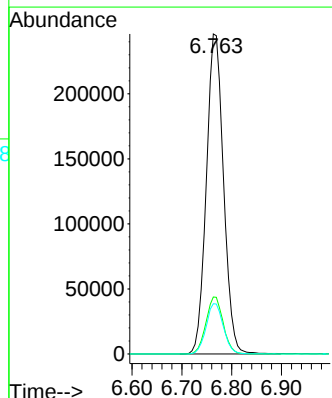
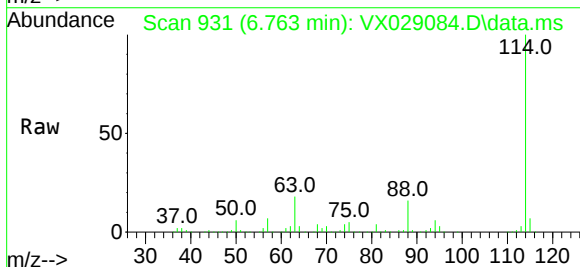
Tgt Ion: 114 Resp: 589197

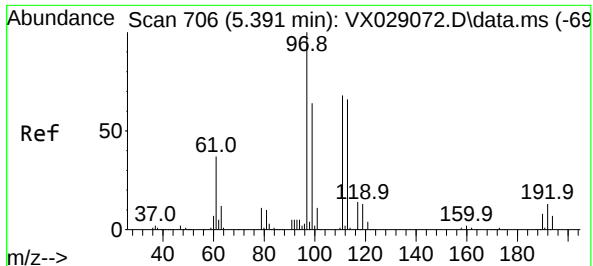
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.409 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029084.D

Acq: 31 May 2022 19:14

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

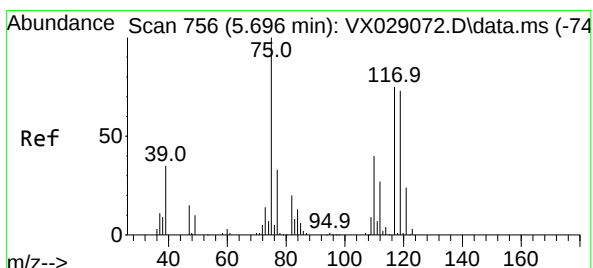
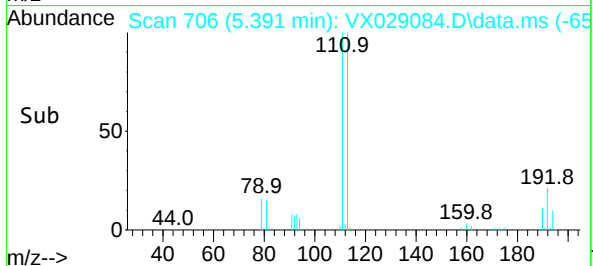
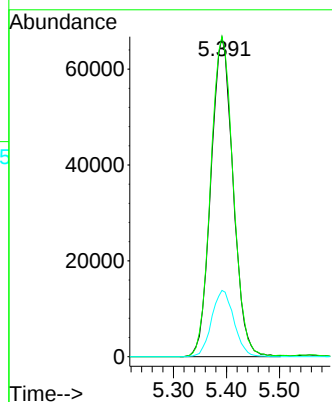
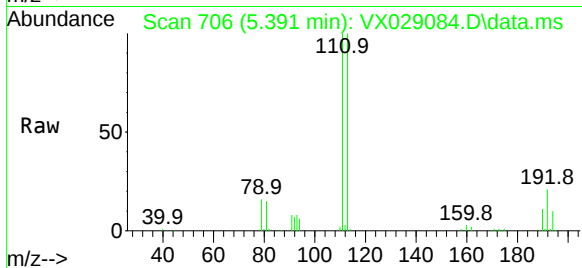
Tgt Ion:113 Resp: 193367

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.595 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029084.D

Acq: 31 May 2022 19:14

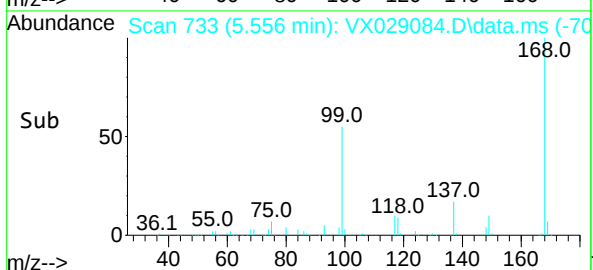
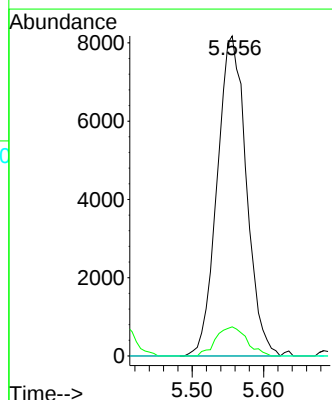
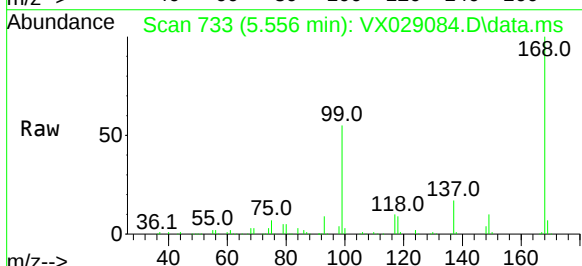
Tgt Ion: 75 Resp: 23140

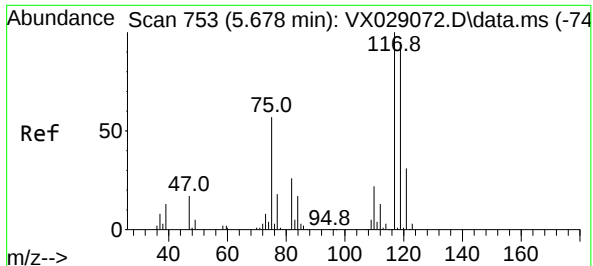
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 24.8 37.2#

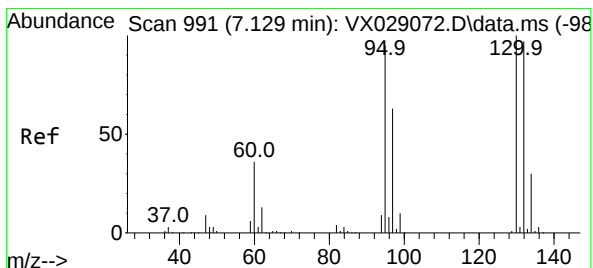
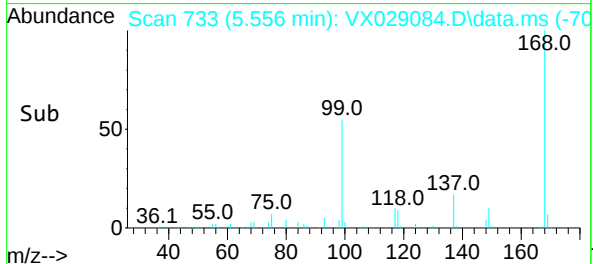
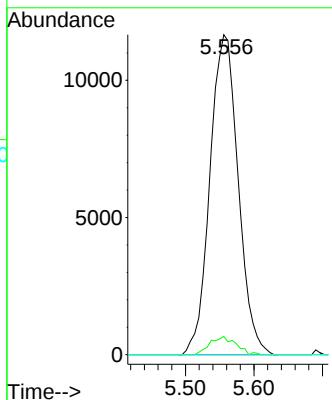
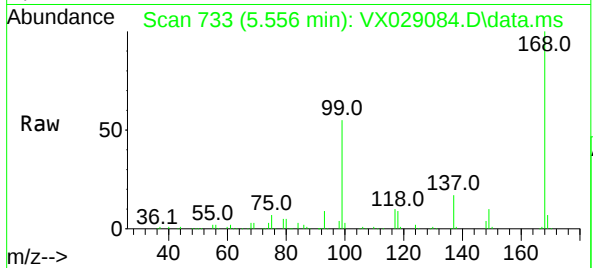




#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

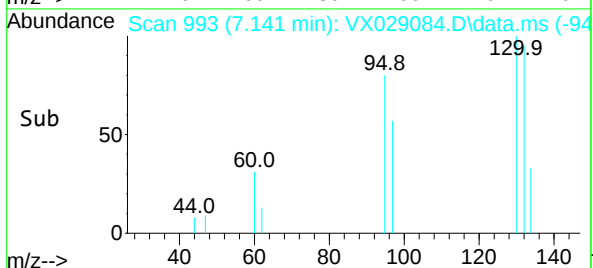
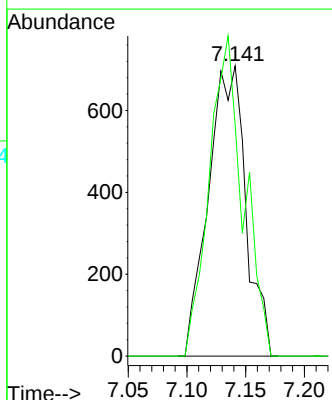
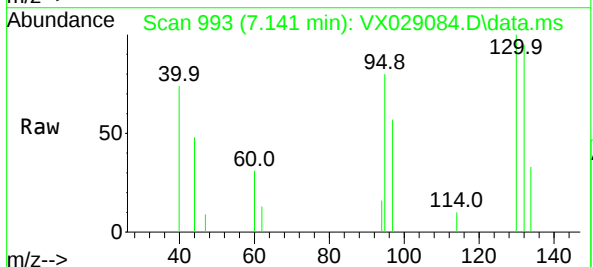
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

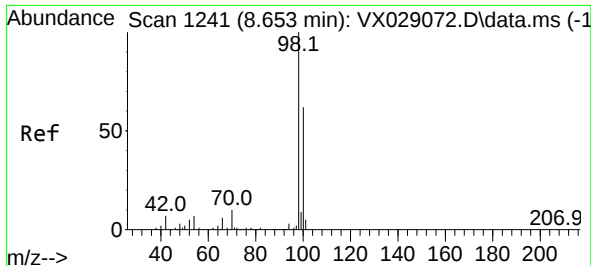
Tgt Ion:117 Resp: 33383
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion:130 Resp: 1573
Ion Ratio Lower Upper
130 100
95 79.7 0.0 188.8

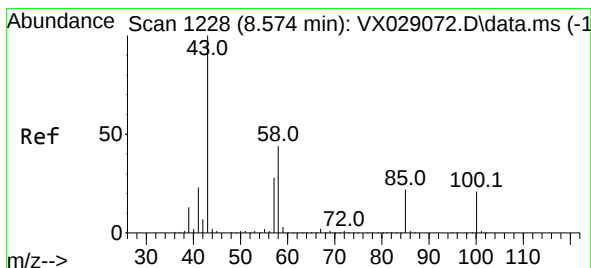
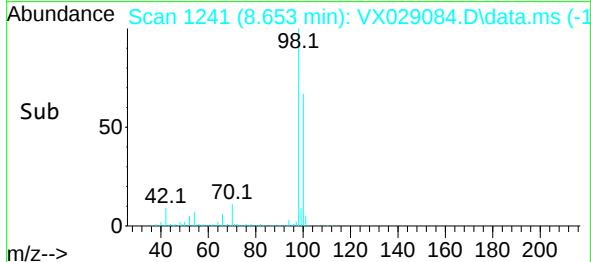
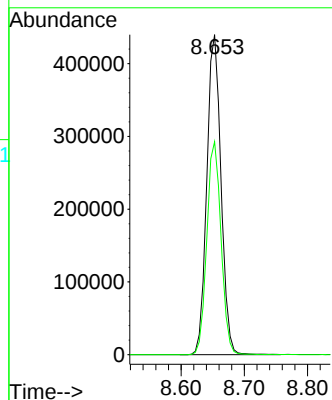
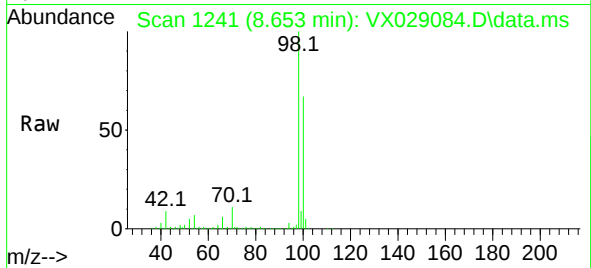




#50
Toluene-d8
Concen: 48.030 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

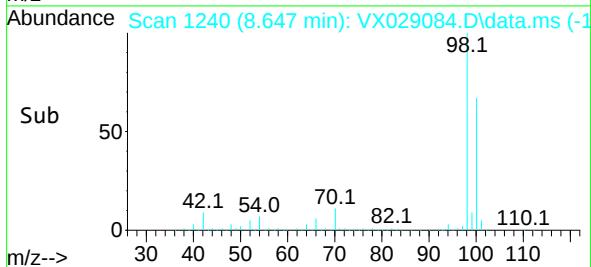
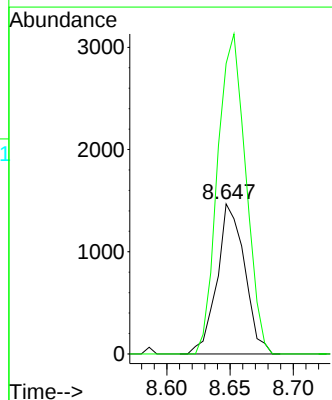
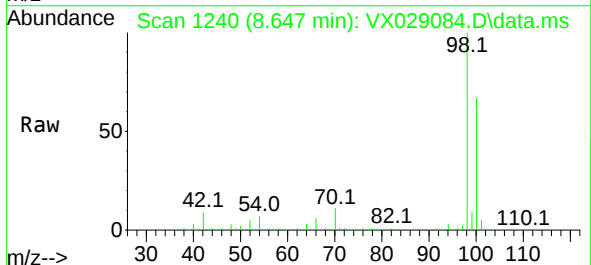
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

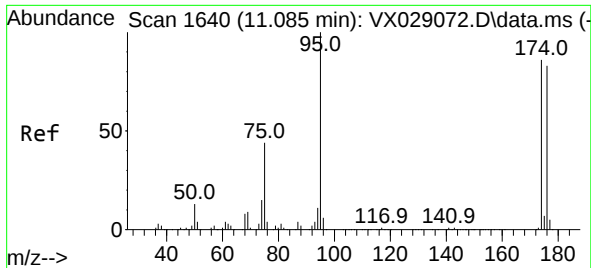
Tgt Ion: 98 Resp: 687475
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
58 217.8 36.1 54.1#

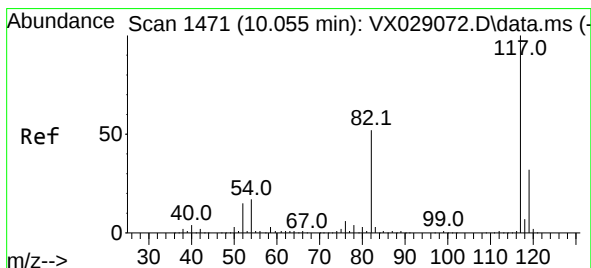
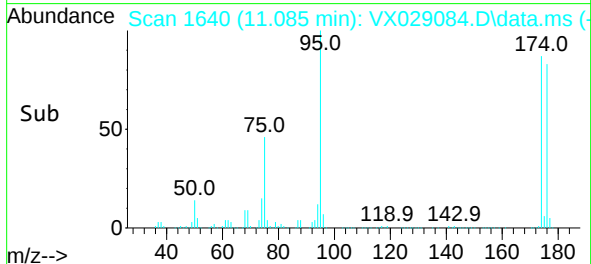
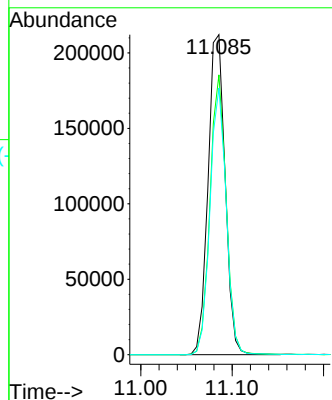
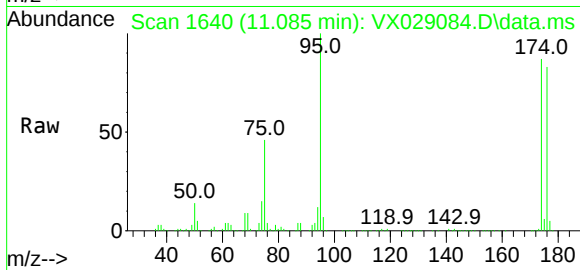




#62
4-Bromofluorobenzene
Concen: 49.625 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

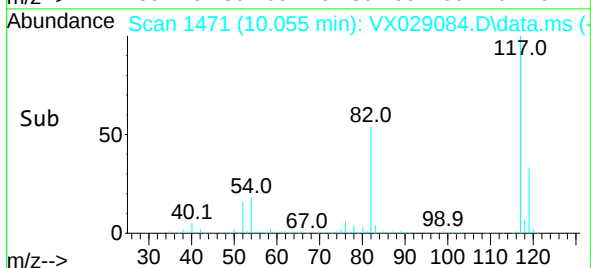
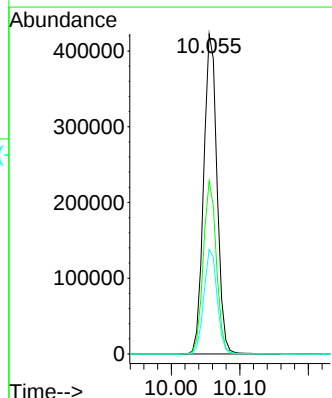
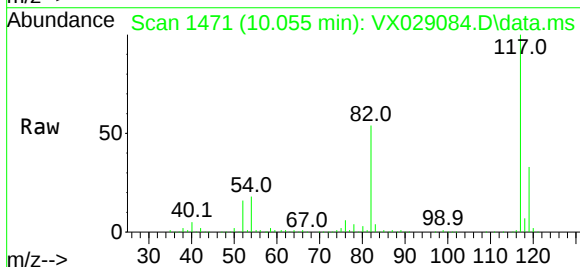
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

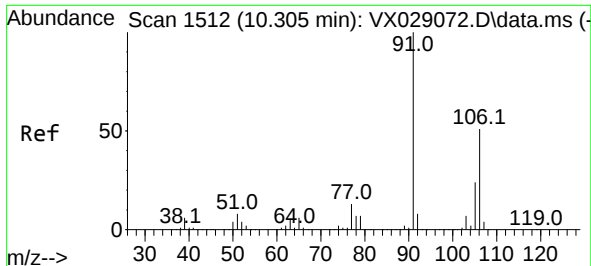
Tgt Ion: 95 Resp: 274575
Ion Ratio Lower Upper
95 100
174 82.8 0.0 163.0
176 79.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 117 Resp: 573532
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.8
119 32.7 24.8 37.2

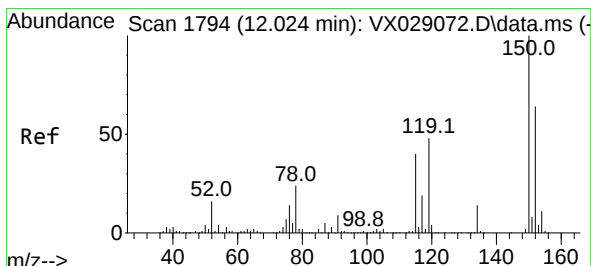
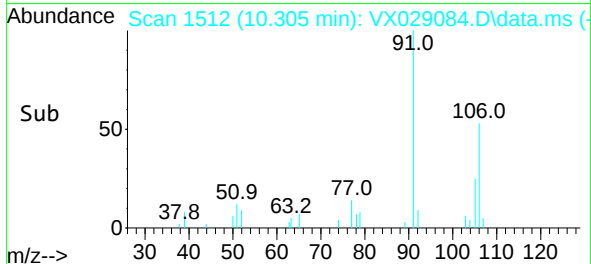
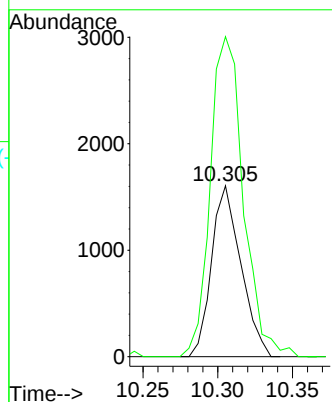
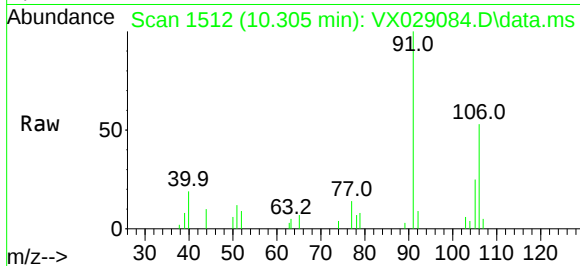




#68
m/p-Xylenes
Concen: 0.275 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

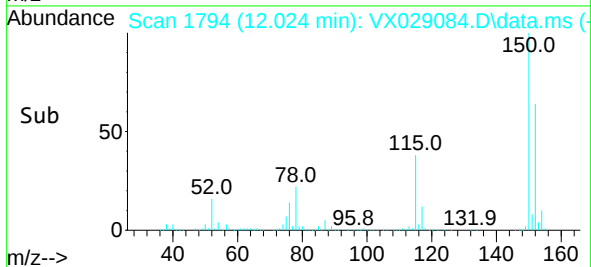
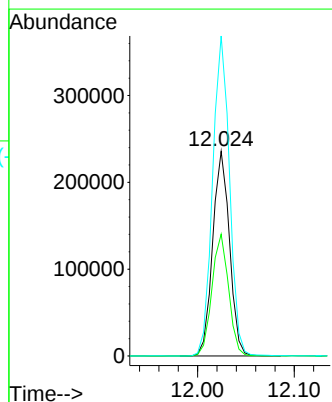
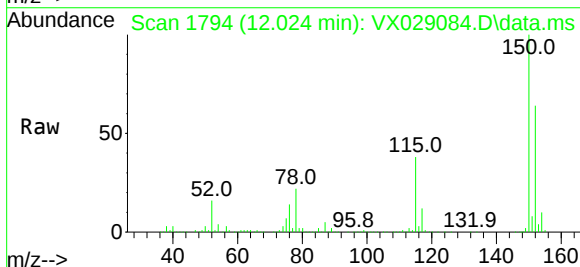
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

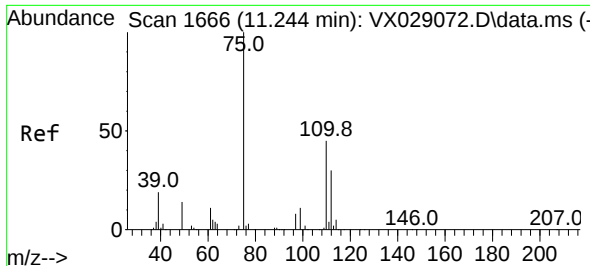
Tgt Ion:106 Resp: 2189
Ion Ratio Lower Upper
106 100
91 211.3 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion:152 Resp: 284036
Ion Ratio Lower Upper
152 100
115 59.0 37.5 112.7
150 157.2 0.0 338.2

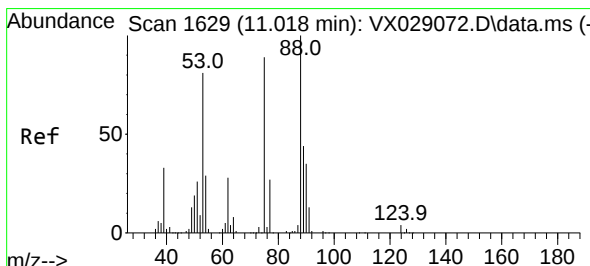
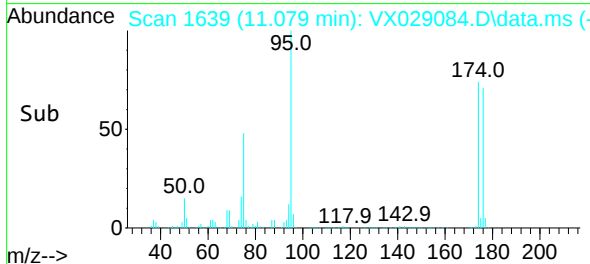
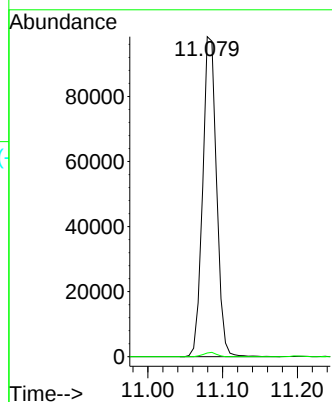
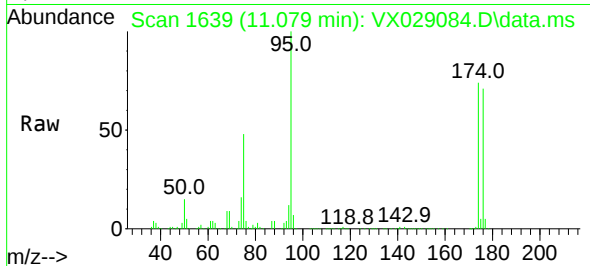




#76
1,2,3-Trichloropropane
Concen: 22.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

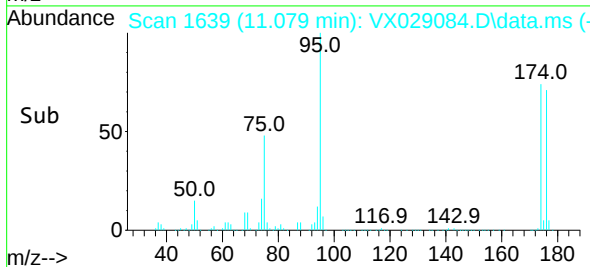
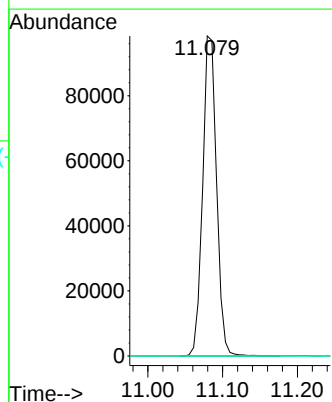
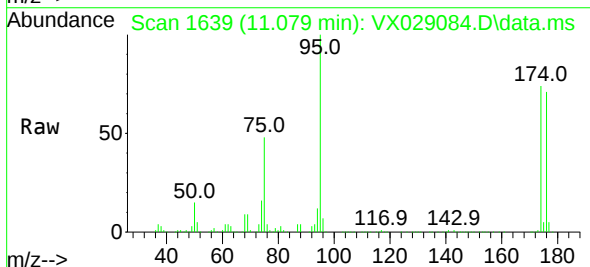
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

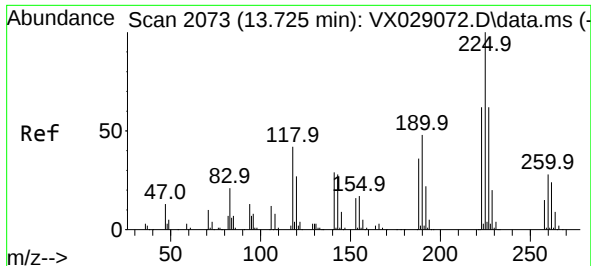
Tgt Ion: 75 Resp: 127223
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion: 75 Resp: 127223
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

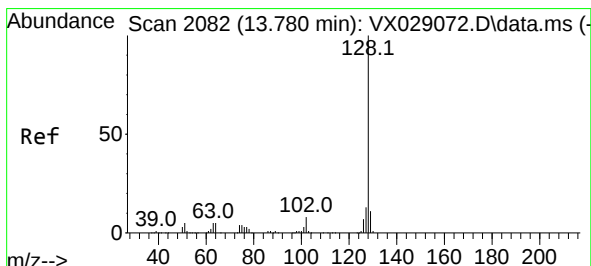
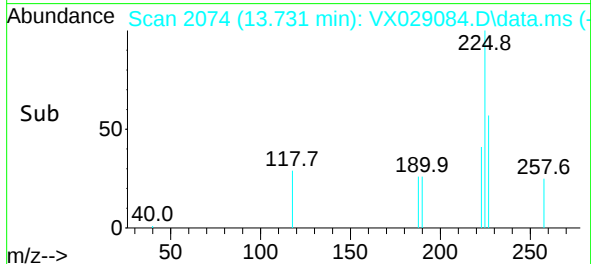
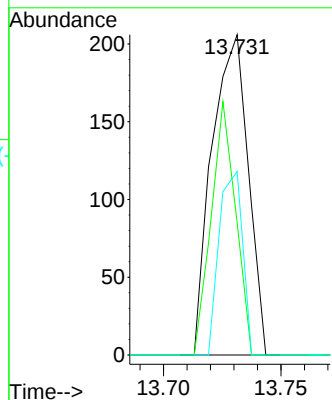
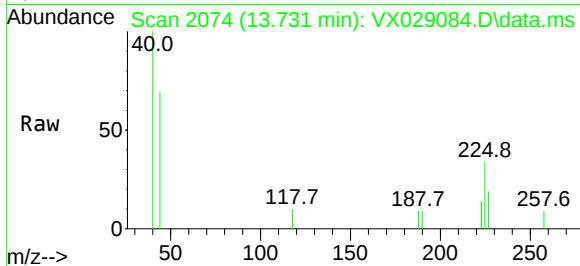




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

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

Tgt Ion:225 Resp: 220
Ion Ratio Lower Upper
225 100
223 53.2 34.2 102.5
227 37.3 33.9 101.7



#95
Naphthalene
Concen: 0.271 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX029084.D
Acq: 31 May 2022 19:14

Tgt Ion:128 Resp: 5115
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.7 13.1

