

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028511.D
 Acq On : 03 May 2022 18:59
 Operator : JC/MD
 Sample : N2620-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-IDW

Quant Time: May 04 06:08:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

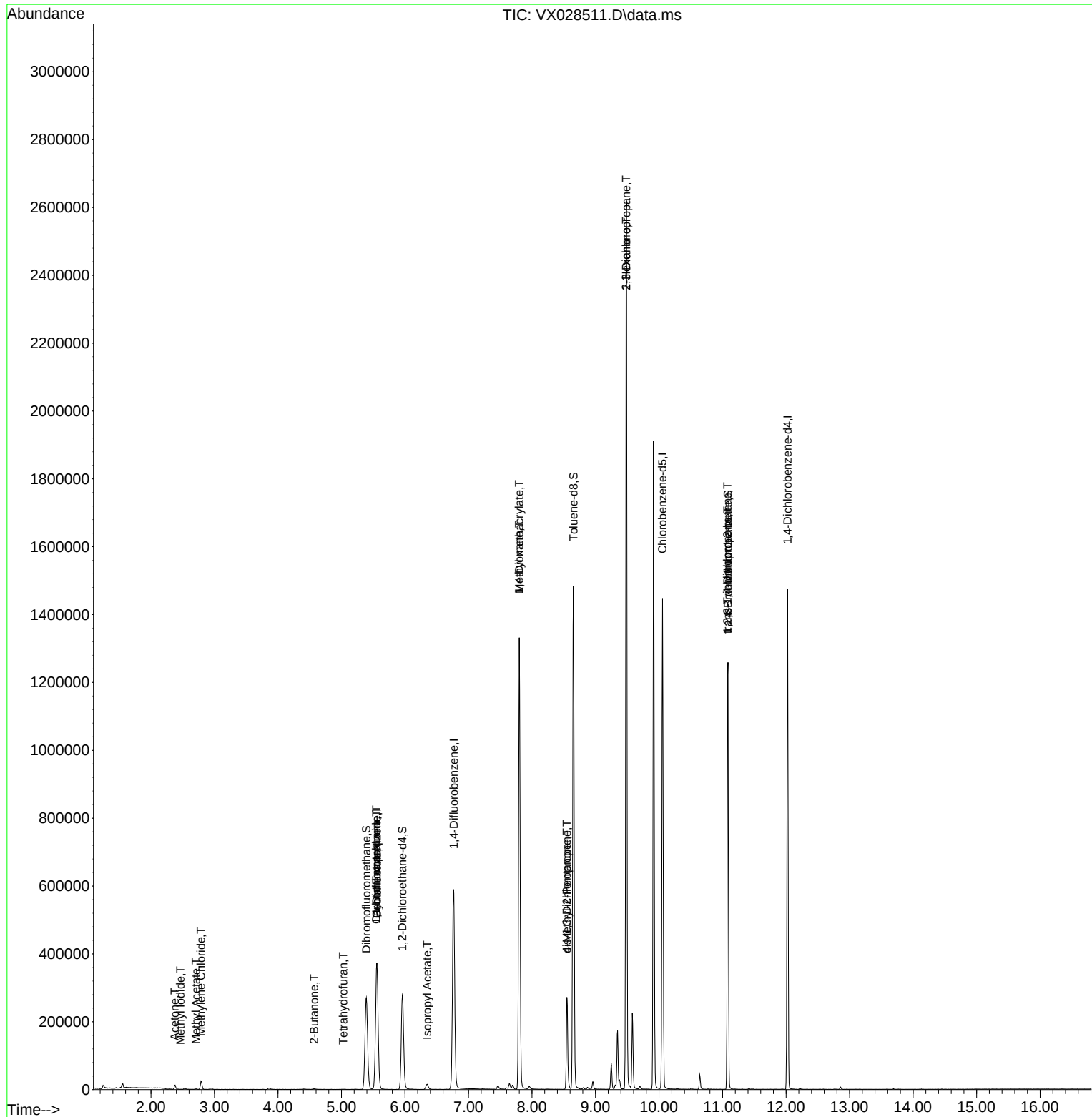
Internal Standards						
1) Pentafluorobenzene	5.556	168	360848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	635239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	657618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	308038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	263966	56.103	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.200%			
35) Dibromofluoromethane	5.391	113	236334	53.051	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.100%			
50) Toluene-d8	8.653	98	902529	52.748	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.500%			
62) 4-Bromofluorobenzene	11.085	95	329047	50.296	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	350	Below Cal	#	81
5) Bromomethane	1.618	94	646	Below Cal	#	64
6) Chloroethane	1.758	64	409	Below Cal	#	43
8) Diethyl Ether	2.130	74	26	Below Cal	#	1
10) Methyl Iodide	2.465	142	252	5.291 ug/l	#	41
11) Tert butyl alcohol	2.947	59	2132	Below Cal	#	72
16) Acetone	2.373	43	13202	7.835 ug/l		88
18) Methyl Acetate	2.709	43	1899	0.454 ug/l		92
20) Methylene Chloride	2.788	84	11443	3.278 ug/l		97
25) 2-Butanone	4.568	43	2351	0.844 ug/l		94
29) Tetrahydrofuran	5.025	42	559	0.308 ug/l	#	50
31) Cyclohexane	5.556	56	7129	1.244 ug/l	#	2
36) 1,1-Dichloropropene	5.550	75	27485	4.730 ug/l	#	49
38) Carbon Tetrachloride	5.550	117	35663	5.436 ug/l	#	15
43) Isopropyl Acetate	6.348	43	22018	2.294 ug/l		96
48) Methyl methacrylate	7.799	41	110810	25.151 ug/l	#	33
49) 1,4-Dioxane	7.799	88	235	1.994 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	86862	14.105 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	46510	6.492 ug/l	#	69
57) 1,3-Dichloropropane	9.482	76	25400	3.277 ug/l	#	43
59) 2-Hexanone	9.482	43	284540	59.650 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	164575	27.147 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	164575	80.673 ug/l	#	15

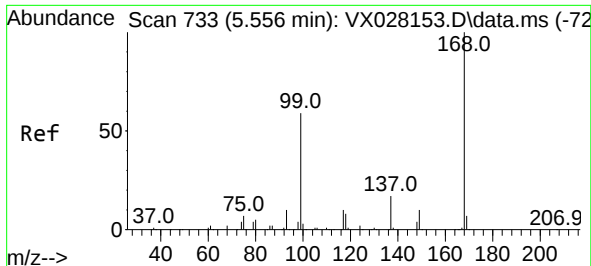
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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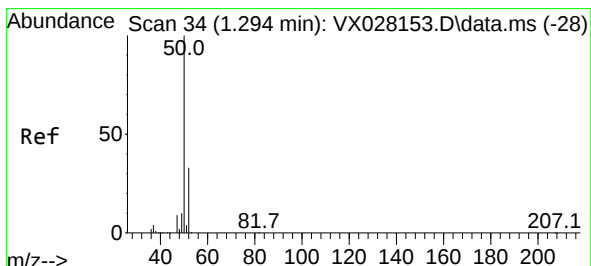
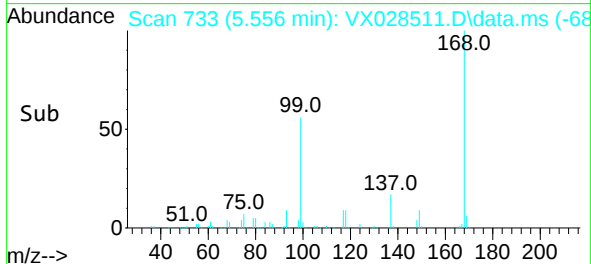
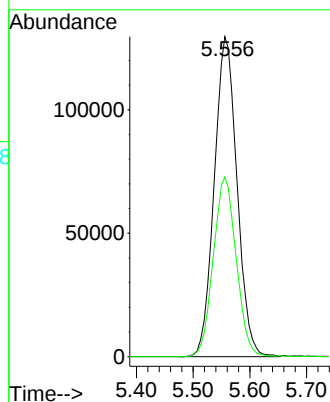
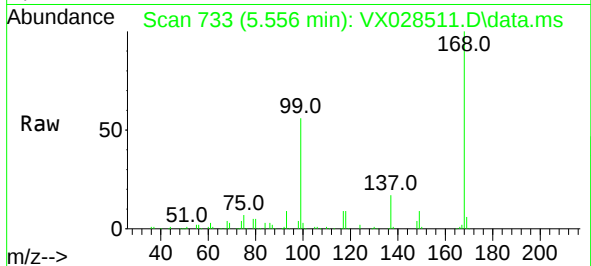




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

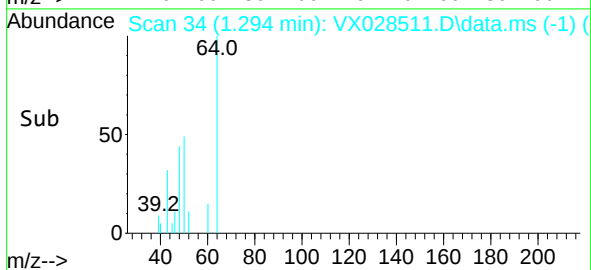
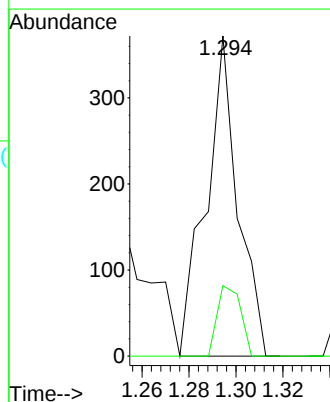
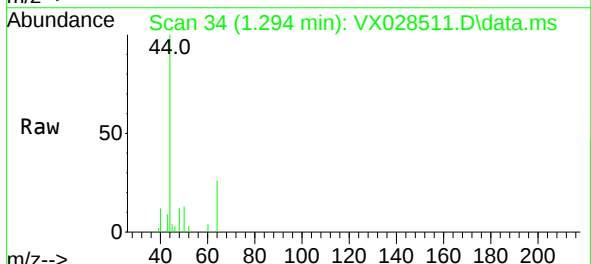
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

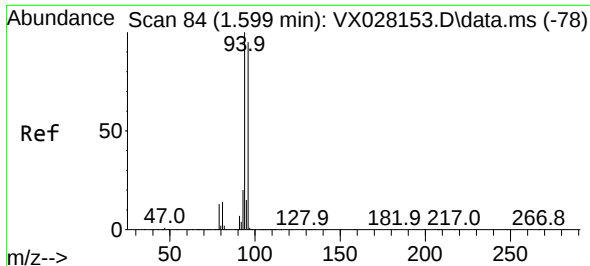
Tgt Ion:168 Resp: 360848
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 22.0 26.4 39.6#

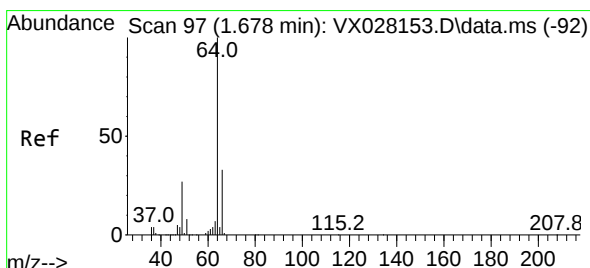
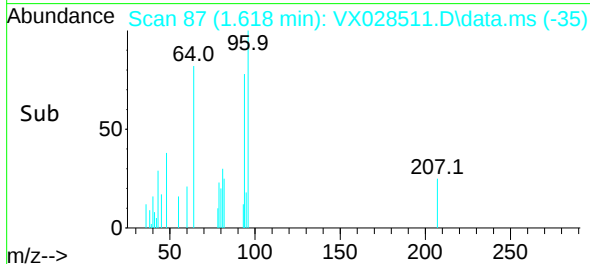
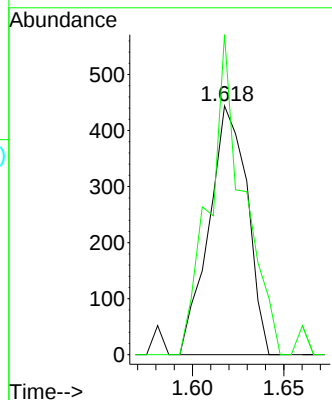
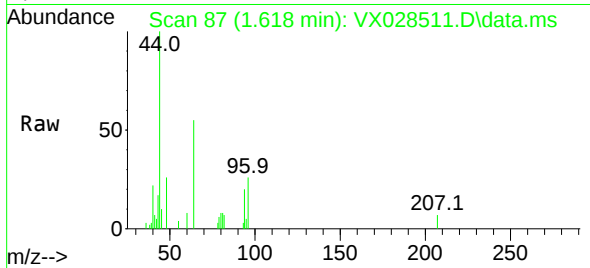




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

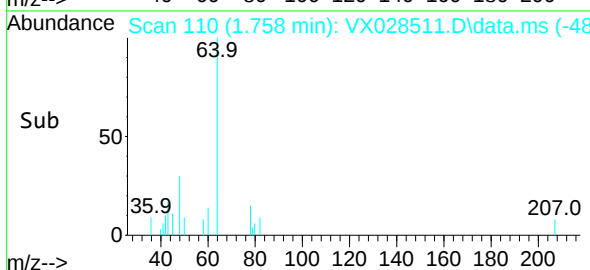
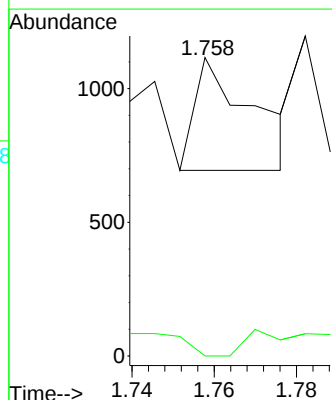
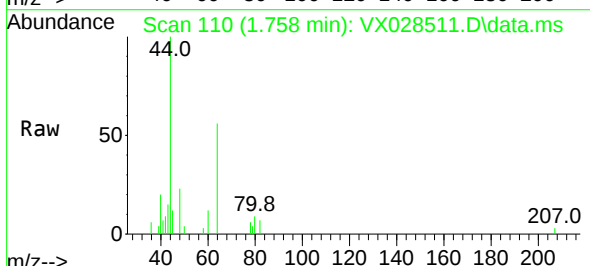
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

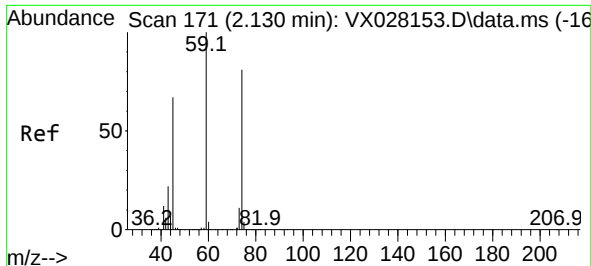
Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 128.6 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.758 min Scan# 110
Delta R.T. 0.080 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

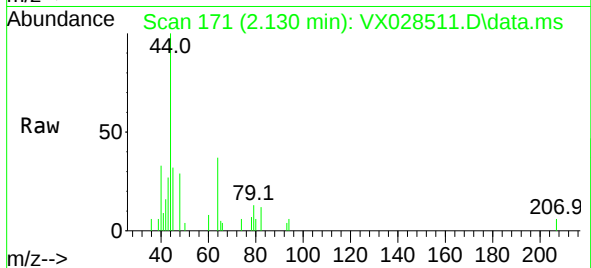
Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



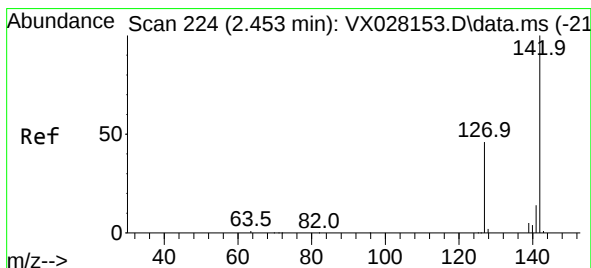
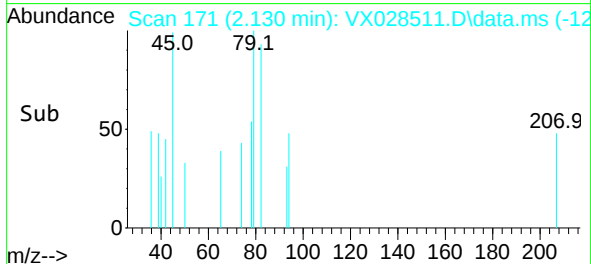
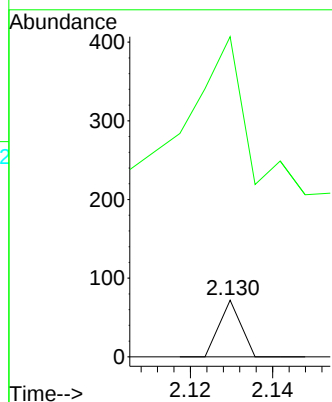


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

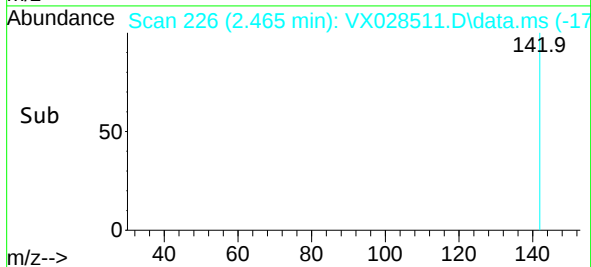
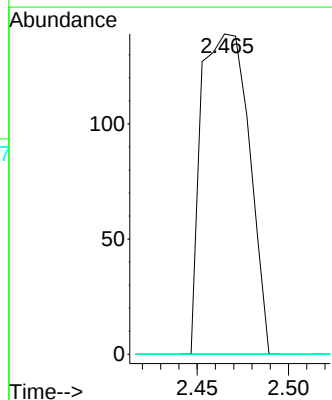
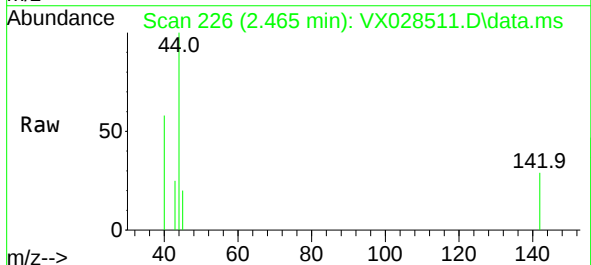


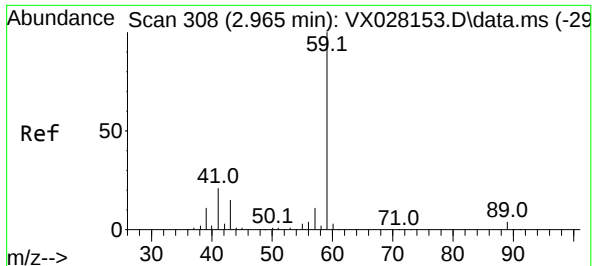
Tgt Ion: 74 Resp: 26
Ion Ratio Lower Upper
74 100
45 1661.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.291 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 142 Resp: 252
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#

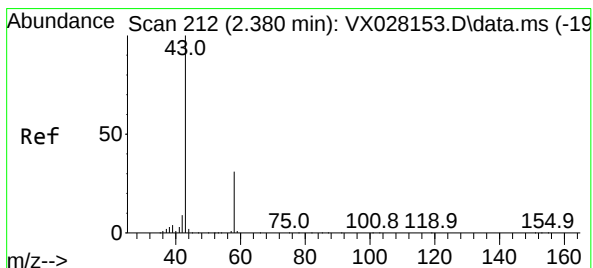
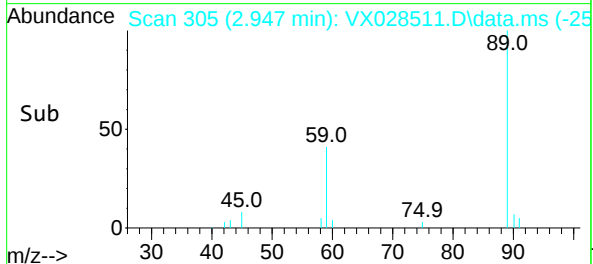
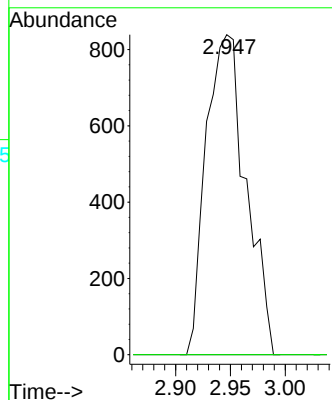
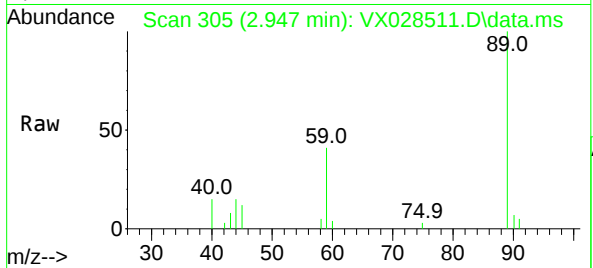




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

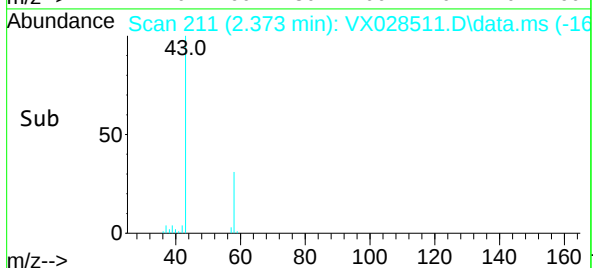
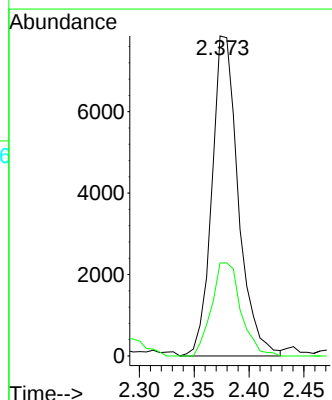
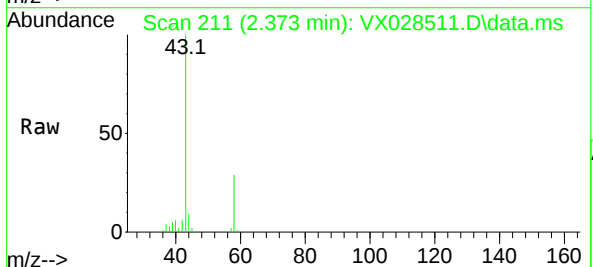
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

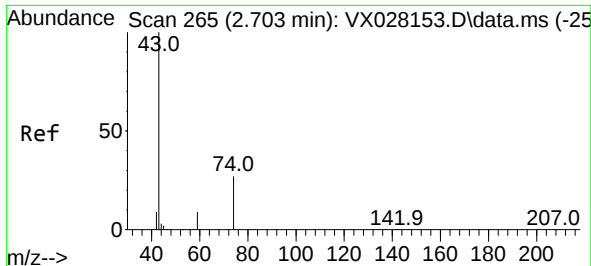
Tgt Ion: 59 Resp: 2132
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.835 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 43 Resp: 13202
Ion Ratio Lower Upper
43 100
58 29.1 28.8 43.2

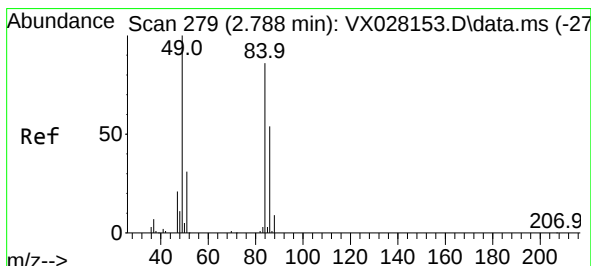
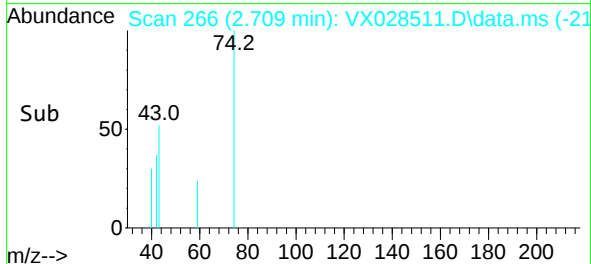
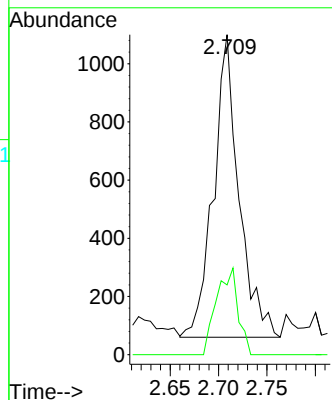
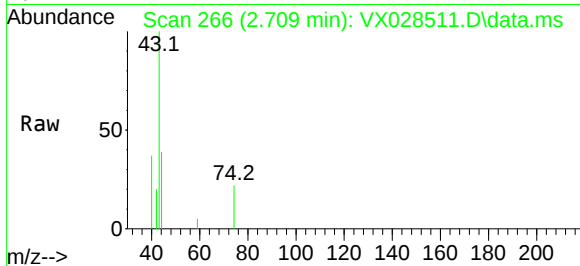




#18
Methyl Acetate
Concen: 0.454 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

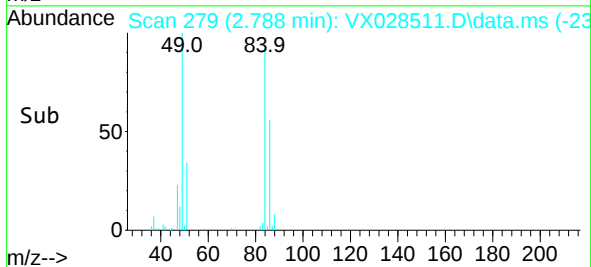
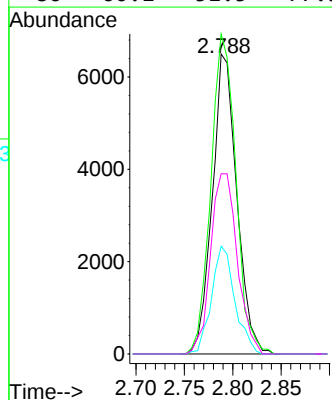
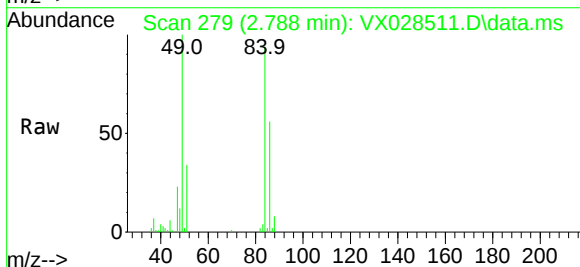
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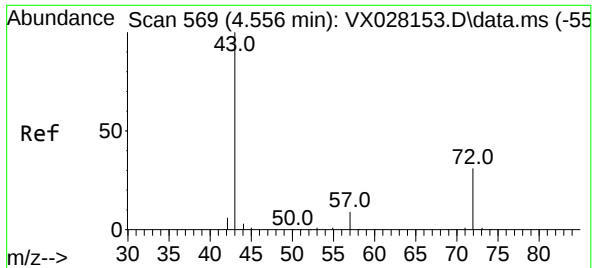
Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
74 24.3 22.8 34.2



#20
Methylene Chloride
Concen: 3.278 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 84 Resp: 11443
Ion Ratio Lower Upper
84 100
49 106.7 85.5 128.3
51 35.9 26.6 39.8
86 60.1 51.5 77.3

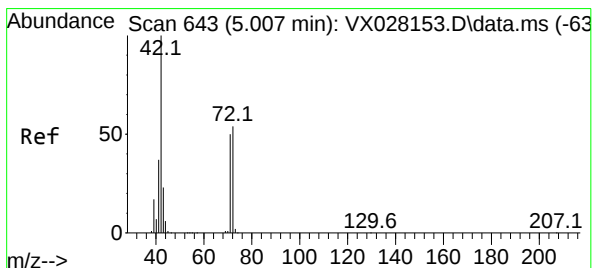
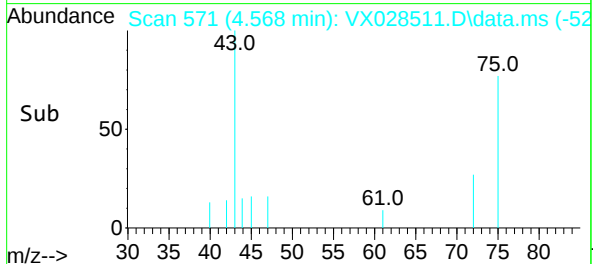
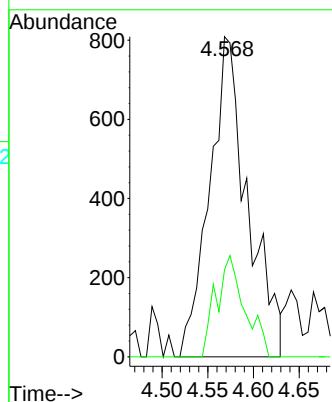
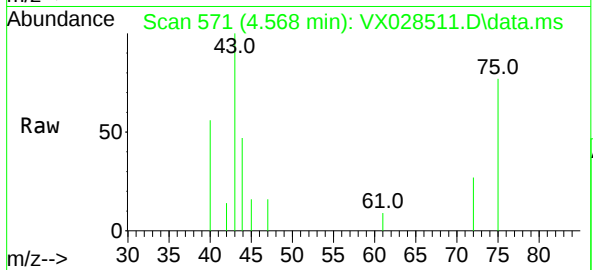




#25
2-Butanone
Concen: 0.844 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

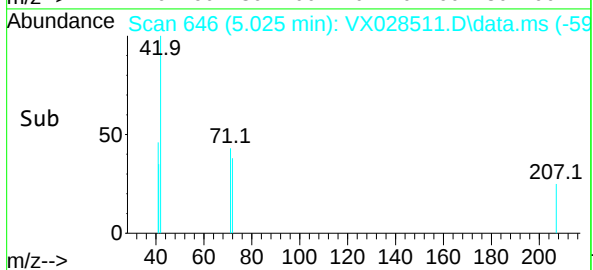
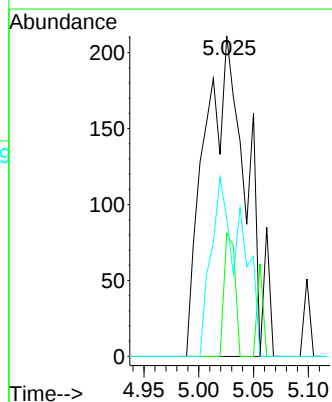
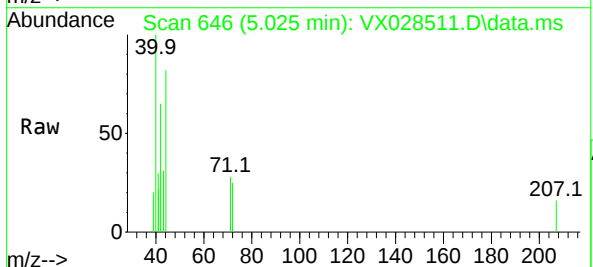
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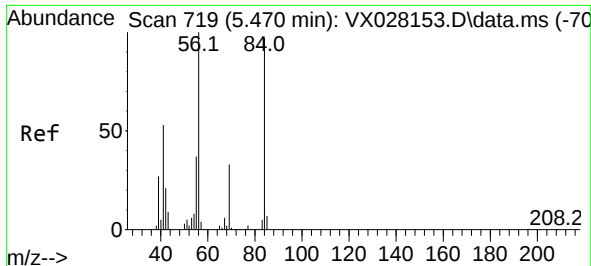
Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
72 27.2 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.308 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 42 Resp: 559
Ion Ratio Lower Upper
42 100
72 10.0 44.1 66.1#
71 25.6 40.5 60.7#

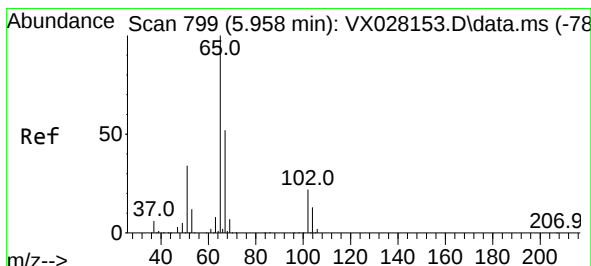
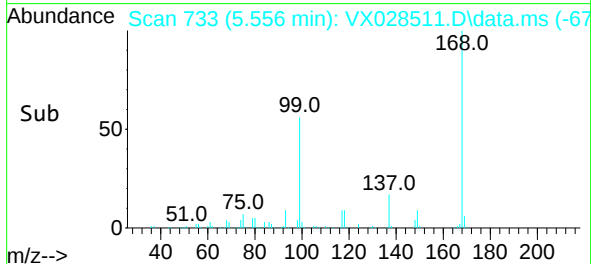
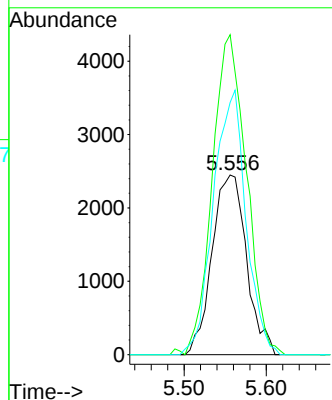
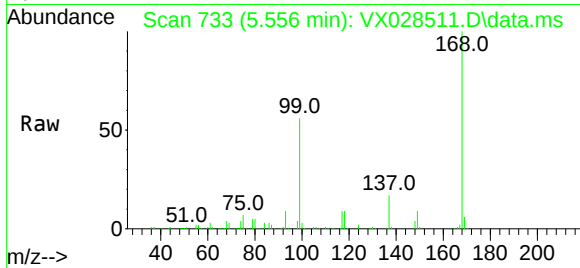




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

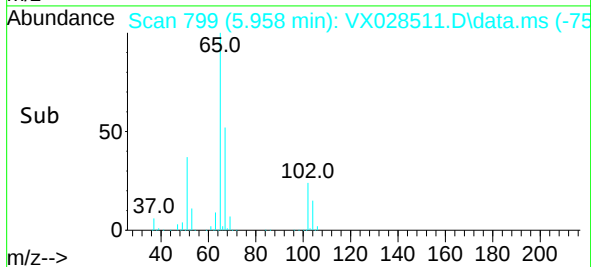
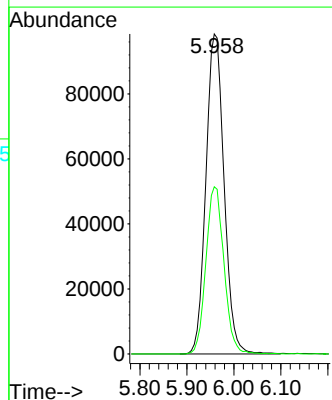
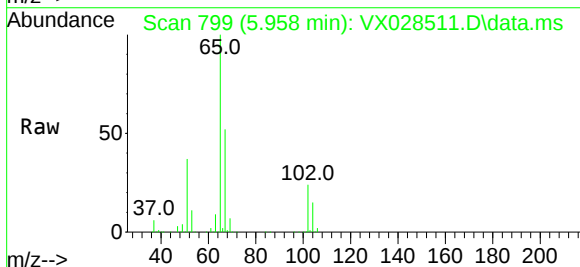
Instrument :
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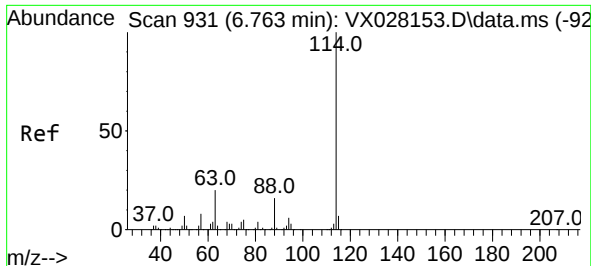
Tgt Ion: 56 Resp: 7129
Ion Ratio Lower Upper
56 100
69 176.0 26.7 40.1#
84 140.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 56.103 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 65 Resp: 263966
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

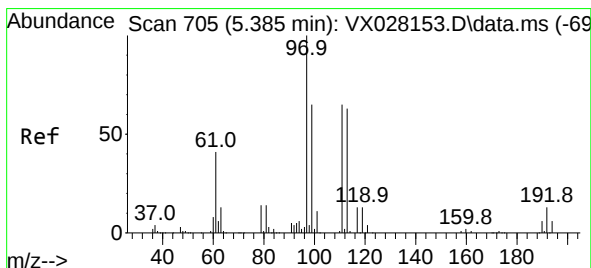
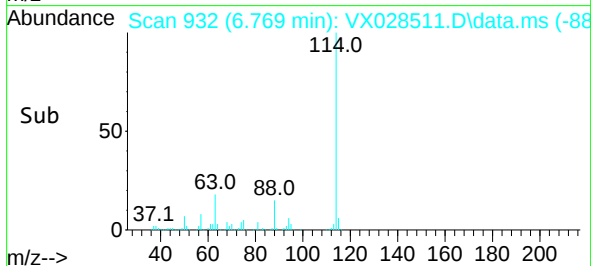
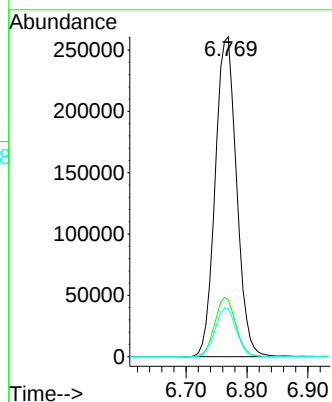
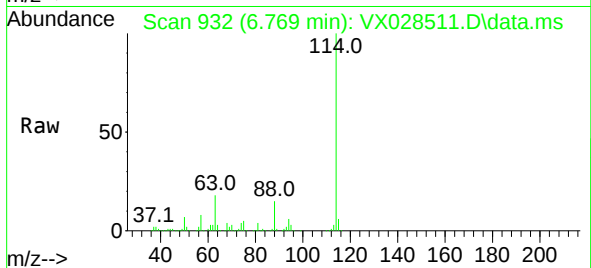




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

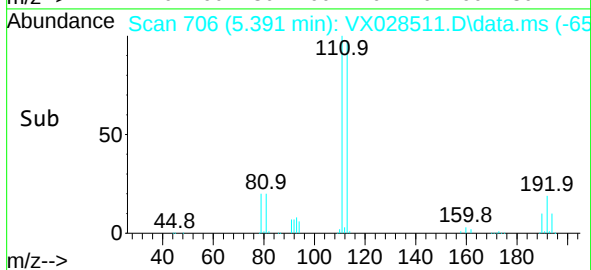
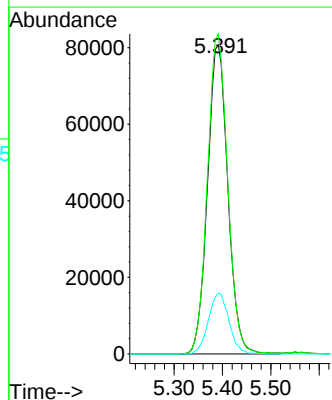
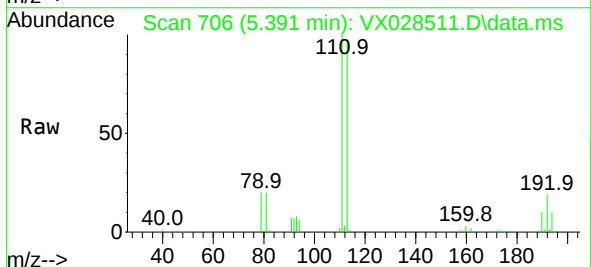
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

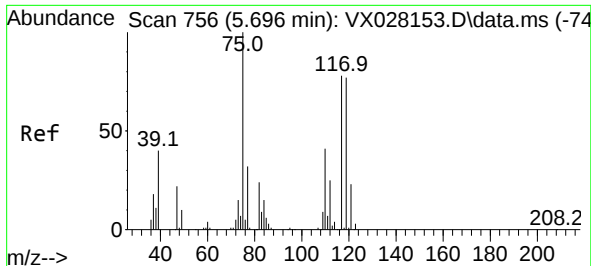
Tgt Ion:114 Resp: 635239
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.051 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion:113 Resp: 236334
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.9 16.9 25.3

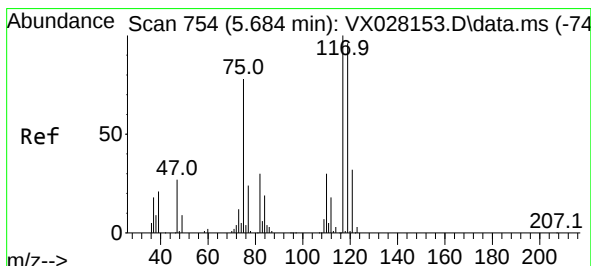
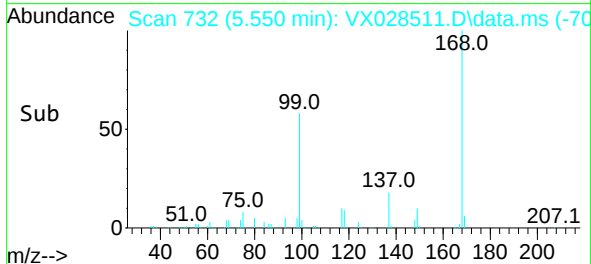
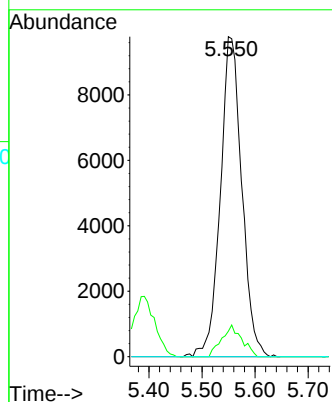
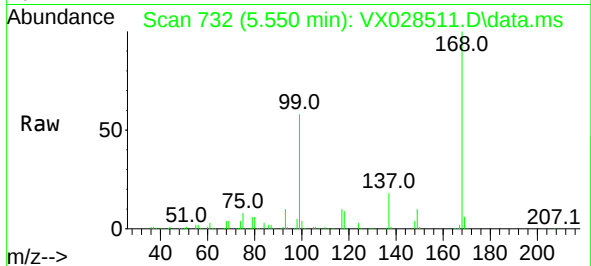




#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

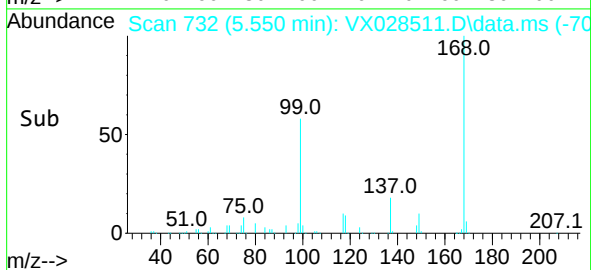
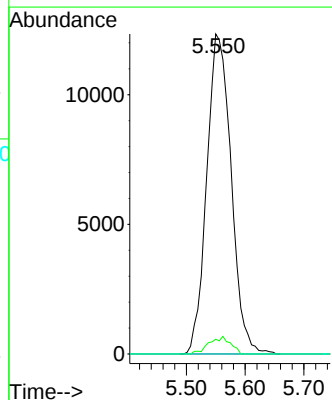
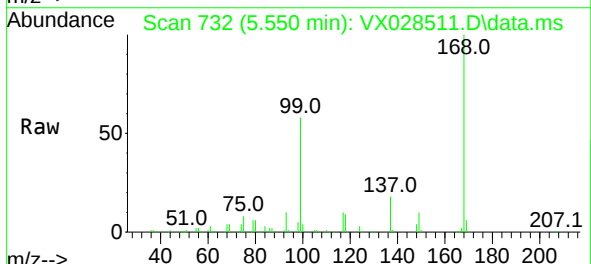
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

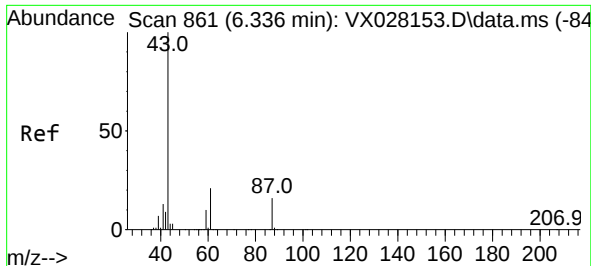
Tgt Ion: 75 Resp: 27485
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 117 Resp: 35663
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#

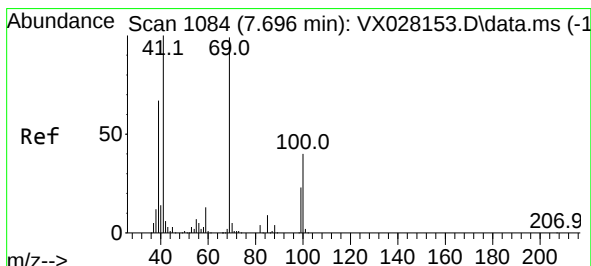
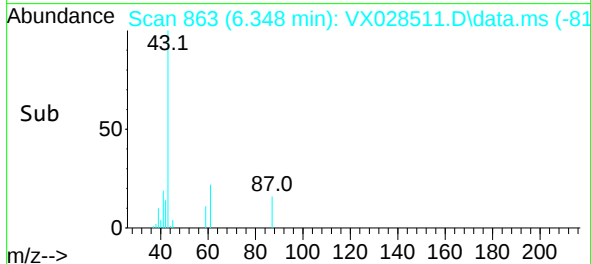
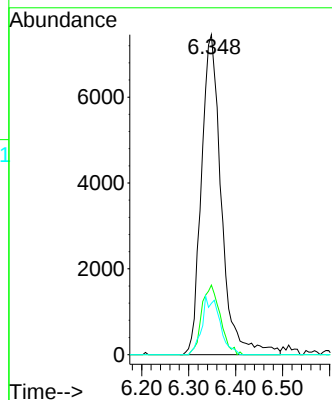
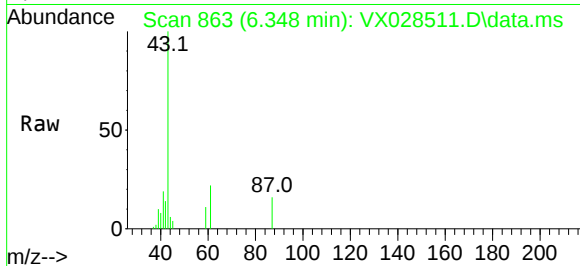




#43
Isopropyl Acetate
Concen: 2.294 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

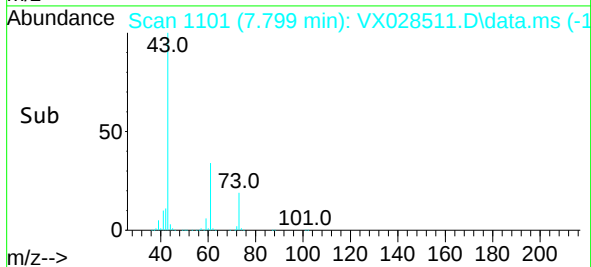
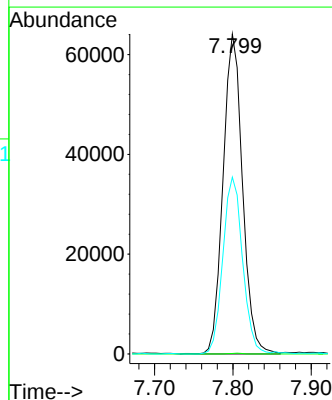
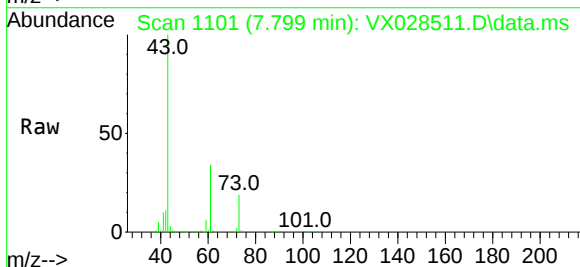
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

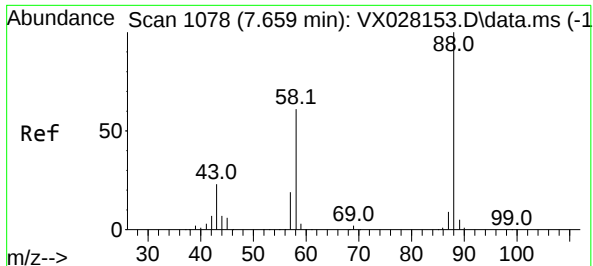
Tgt Ion: 43 Resp: 22018
Ion Ratio Lower Upper
43 100
61 20.2 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 25.151 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 41 Resp: 110810
Ion Ratio Lower Upper
41 100
69 0.1 82.5 123.7#
39 56.3 43.8 65.8

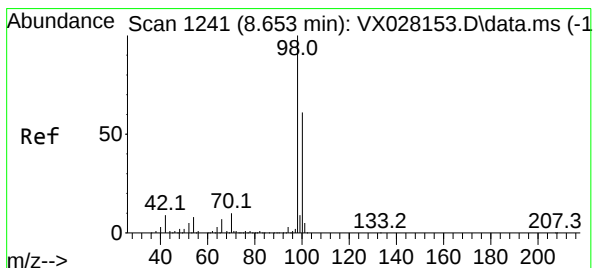
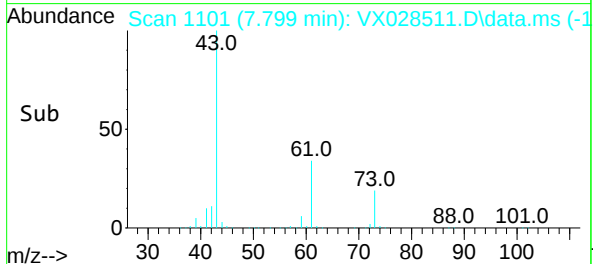
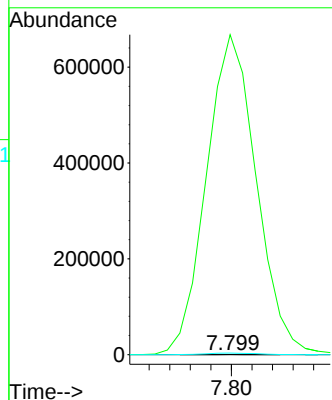
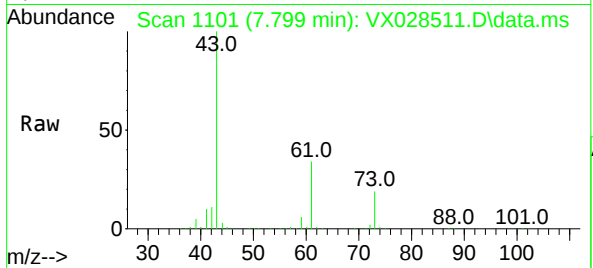




#49
1,4-Dioxane
Concen: 1.994 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

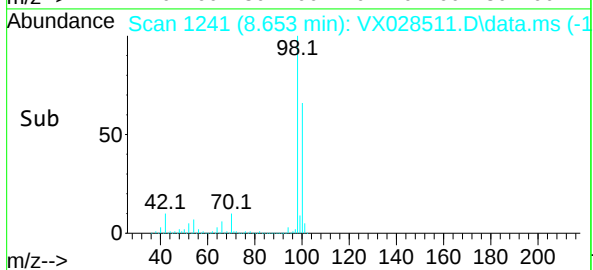
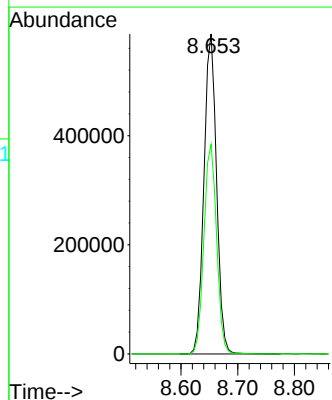
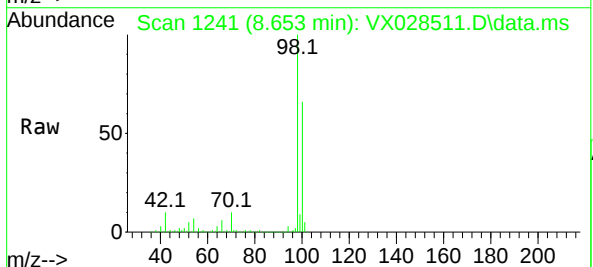
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

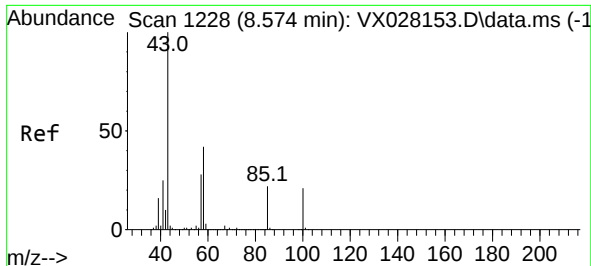
Tgt Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 483954.0 21.9 32.9#
58 2480.9 53.7 80.5#



#50
Toluene-d8
Concen: 52.748 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 98 Resp: 902529
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

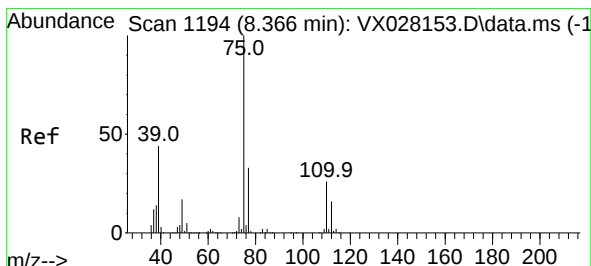
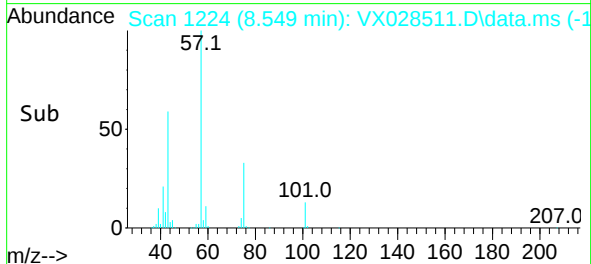
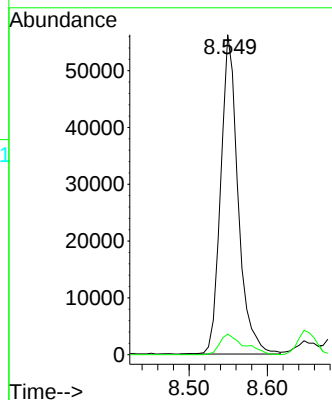
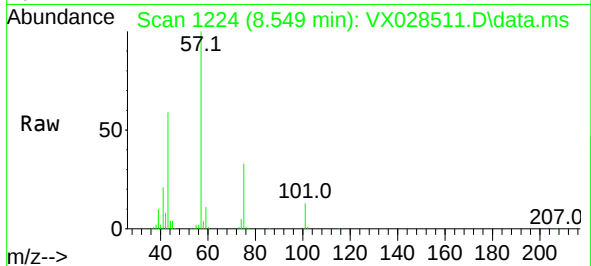




#51
4-Methyl-2-Pentanone
Concen: 14.105 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

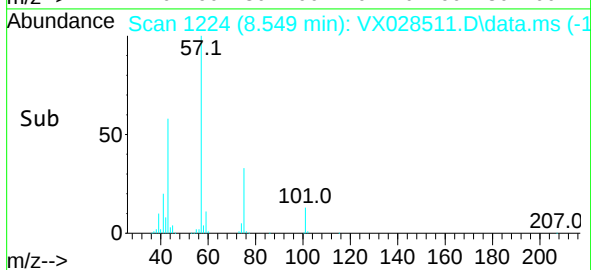
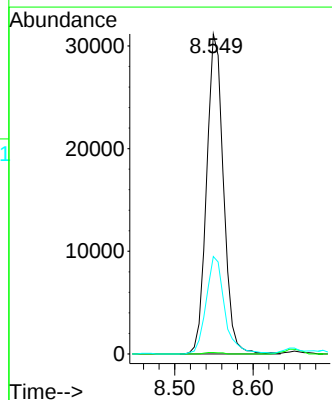
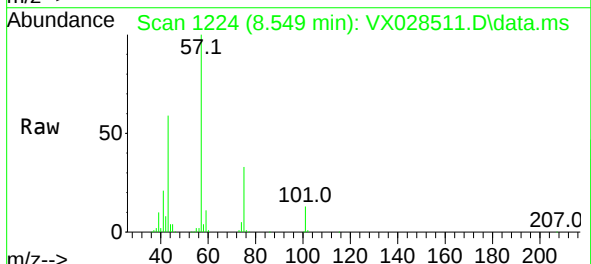
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

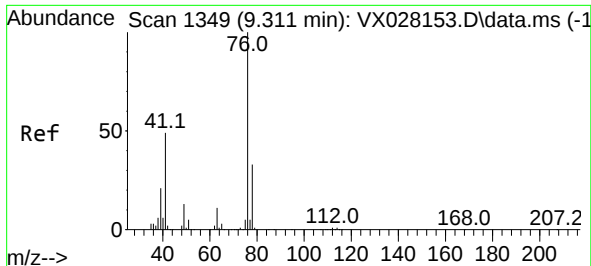
Tgt Ion: 43 Resp: 86862
Ion Ratio Lower Upper
43 100
58 9.0 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 6.492 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 75 Resp: 46510
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 30.5 29.6 44.4





#57

1,3-Dichloropropane

Concen: 3.277 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028511.D

Acq: 03 May 2022 18:59

Instrument :

MSVOA_X

ClientSampleId :

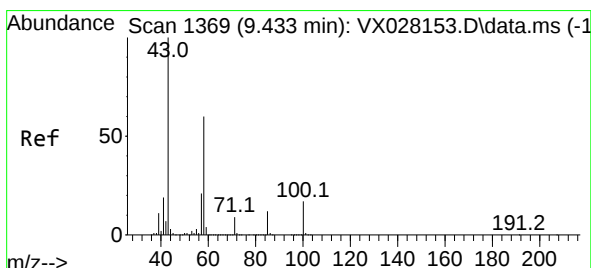
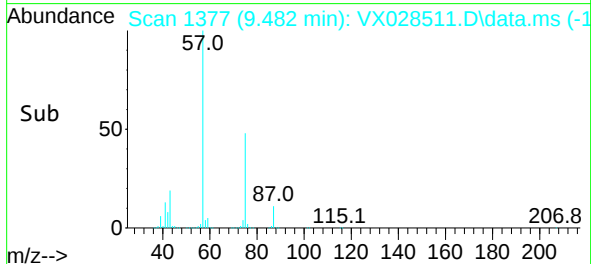
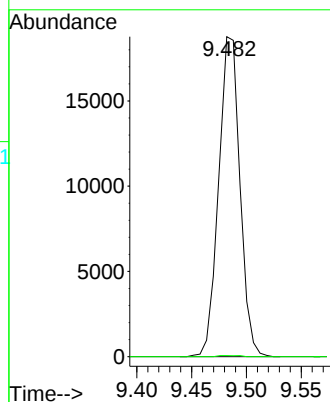
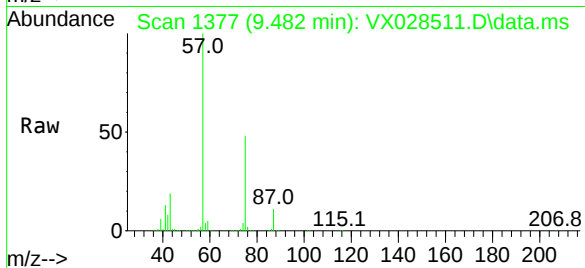
SOIL-IDW

Tgt Ion: 76 Resp: 25400

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 59.650 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028511.D

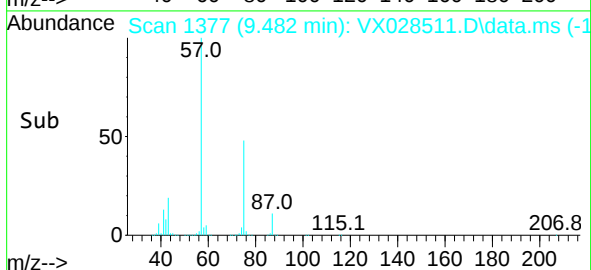
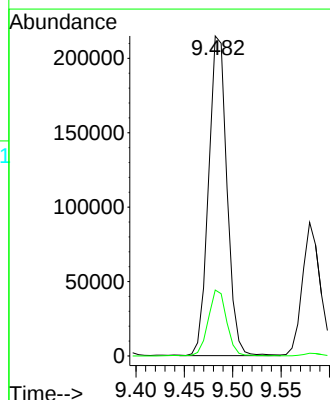
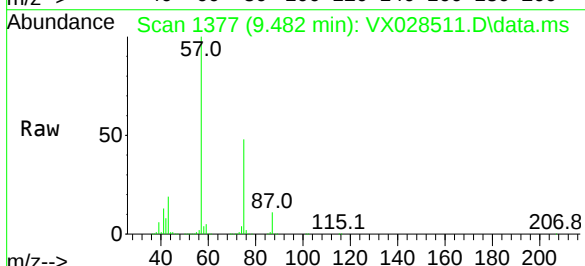
Acq: 03 May 2022 18:59

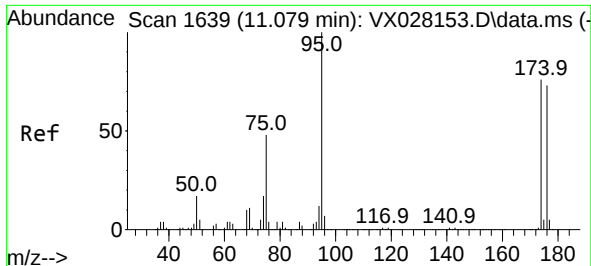
Tgt Ion: 43 Resp: 284540

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

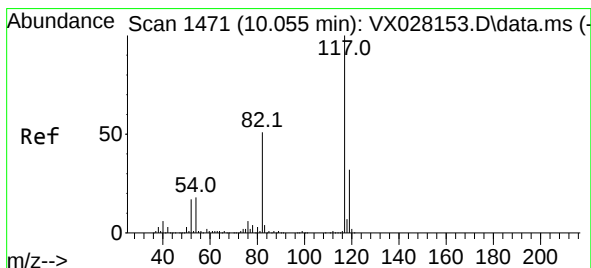
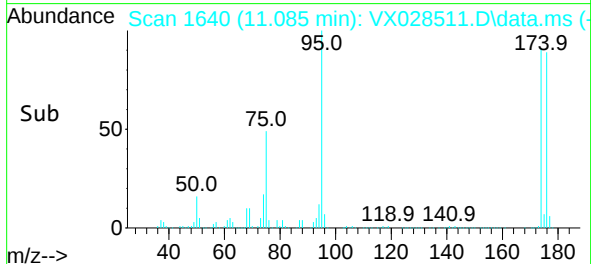
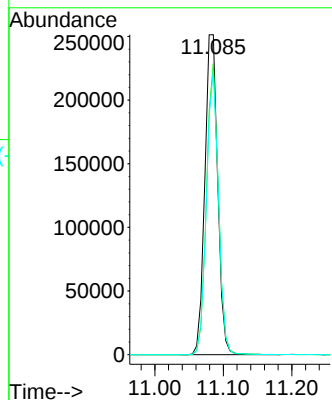
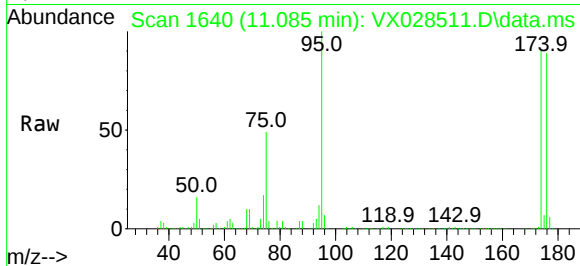




#62
4-Bromofluorobenzene
Concen: 50.296 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

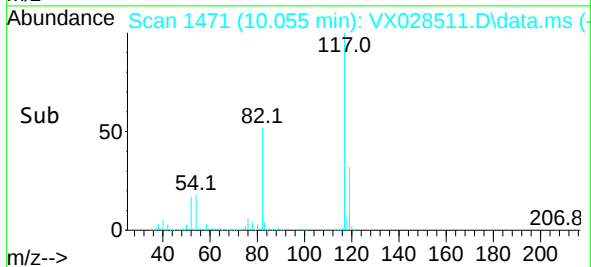
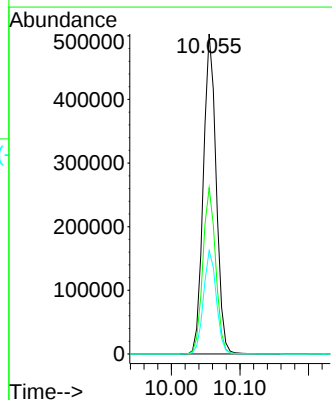
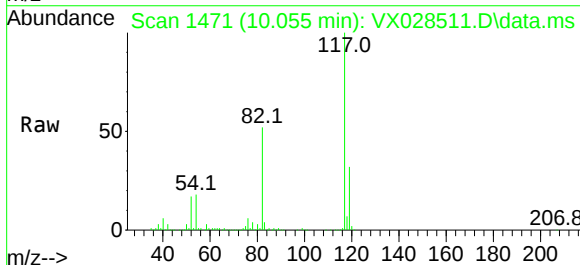
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

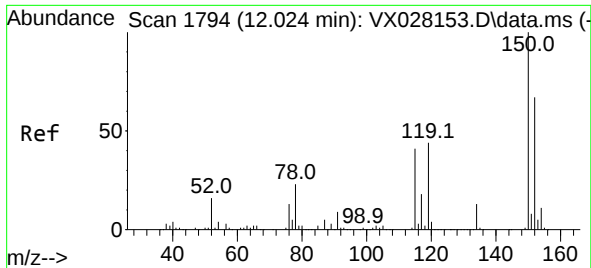
Tgt Ion: 95 Resp: 329047
Ion Ratio Lower Upper
95 100
174 84.5 0.0 163.0
176 83.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 117 Resp: 657618
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.3 24.8 37.2

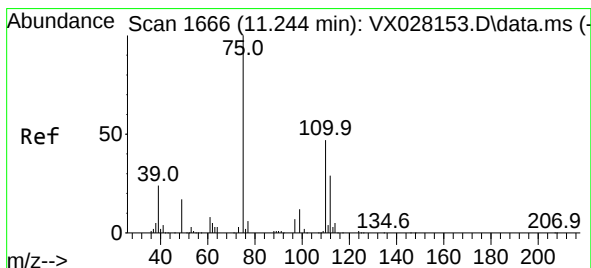
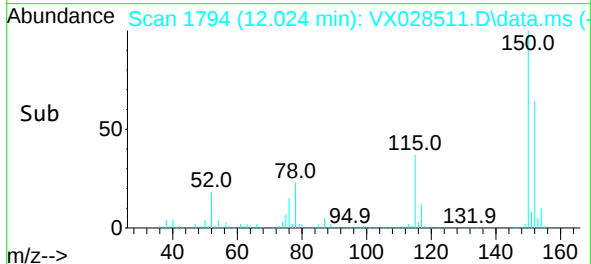
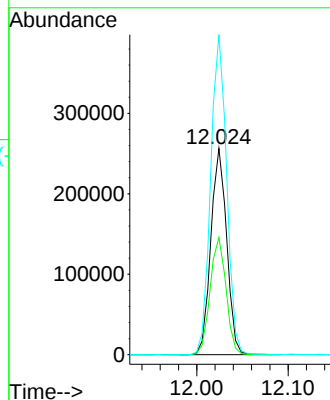
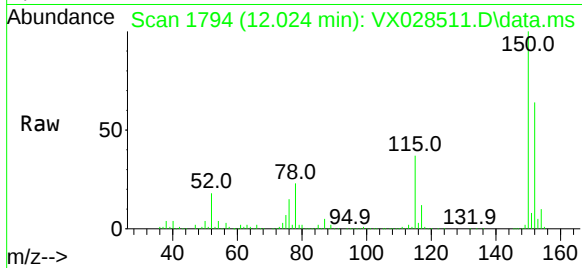




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

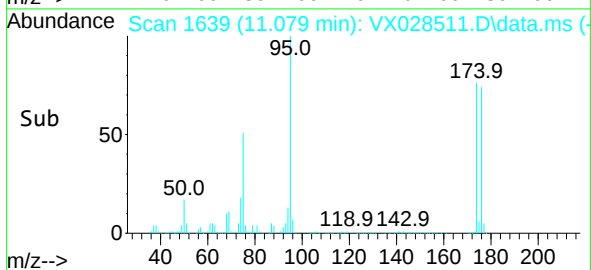
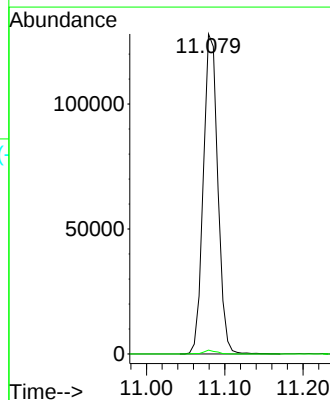
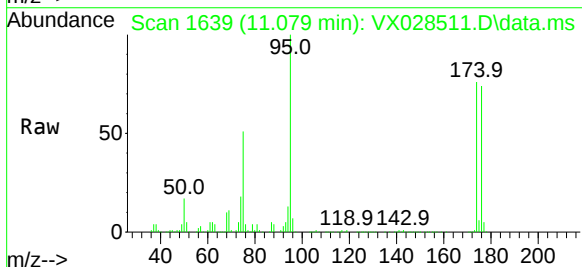
Instrument :
MSVOA_X
ClientSampleId :
SOIL-IDW

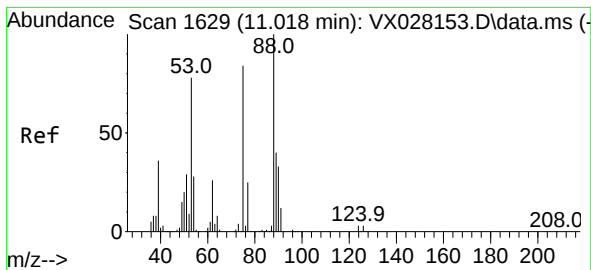
Tgt Ion:152 Resp: 308038
Ion Ratio Lower Upper
152 100
115 57.0 37.5 112.7
150 156.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.147 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028511.D
Acq: 03 May 2022 18:59

Tgt Ion: 75 Resp: 164575
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.673 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028511.D
 Acq: 03 May 2022 18:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-IDW

Tgt Ion: 75 Resp: 164575
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

