

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010311.D
 Acq On : 03 Sep 2022 05:19
 Operator : KP/MD
 Sample : N4485-06
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AP-PIPE-2-SOIL

Quant Time: Sep 03 06:14:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

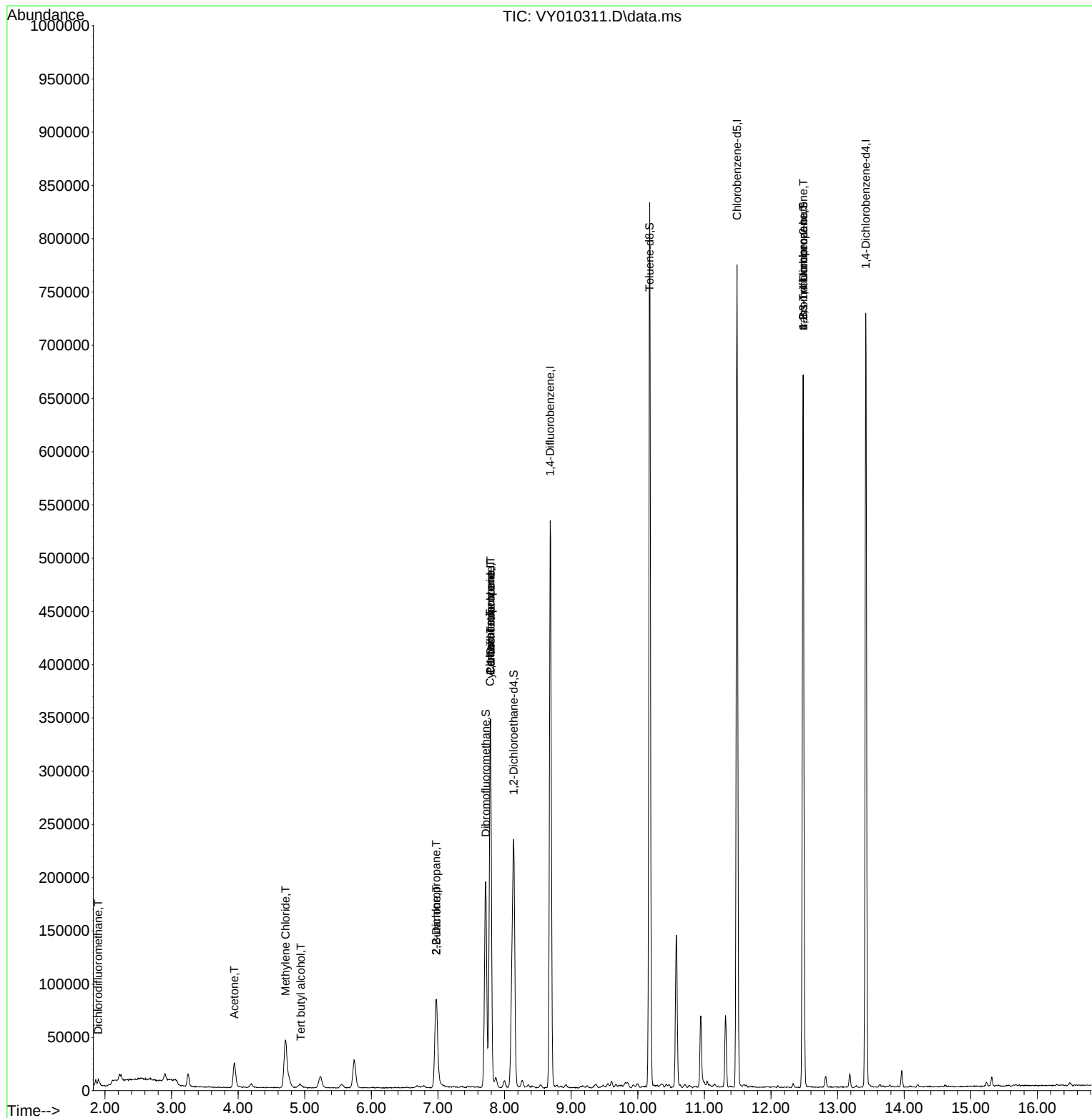
Internal Standards						
1) Pentafluorobenzene	7.789	168	271836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	457855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	421295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	144344	51.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.560%	
35) Dibromofluoromethane	7.716	113	138383	45.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.800%	
50) Toluene-d8	10.179	98	545789	53.483	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.960%	
62) 4-Bromofluorobenzene	12.483	95	186047	44.876	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	4074	1.877	ug/l	100
5) Bromomethane	2.662	94	467	Below Cal		83
11) Tert butyl alcohol	4.942	59	4165	12.490	ug/l #	89
16) Acetone	3.942	43	40559	58.207	ug/l	93
20) Methylene Chloride	4.710	84	32215	9.580	ug/l	87
25) 2-Butanone	6.978	43	7095	6.204	ug/l	96
26) 2,2-Dichloropropane	6.972	77	6387	1.258	ug/l #	55
31) Cyclohexane	7.783	56	5983	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	20320	4.544	ug/l #	51
38) Carbon Tetrachloride	7.789	117	26190	5.682	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	96823	43.011	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	96823	89.727	ug/l #	7

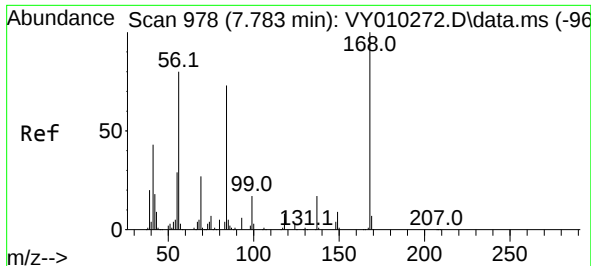
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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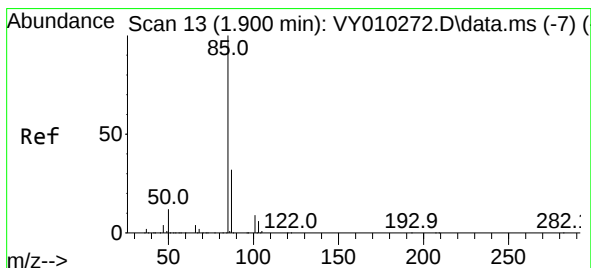
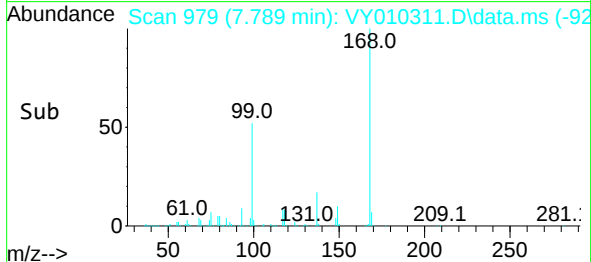
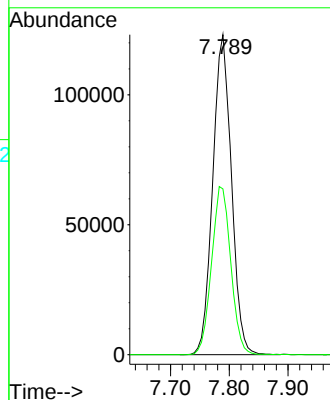
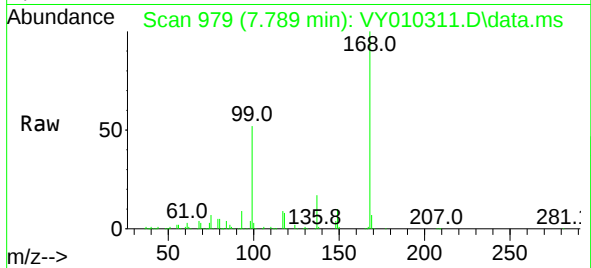




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

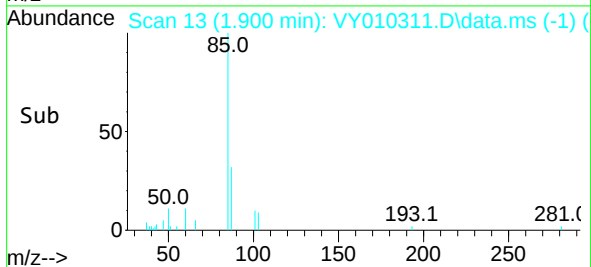
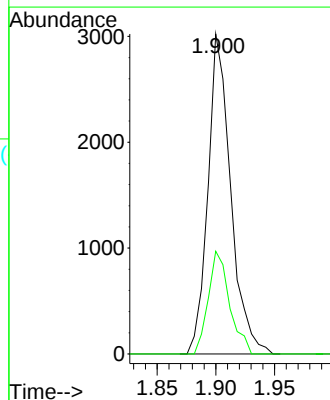
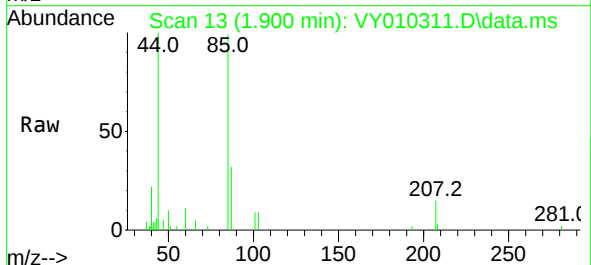
Instrument :
MSVOA_Y
ClientSampleId :
AP-PIPE-2-SOIL

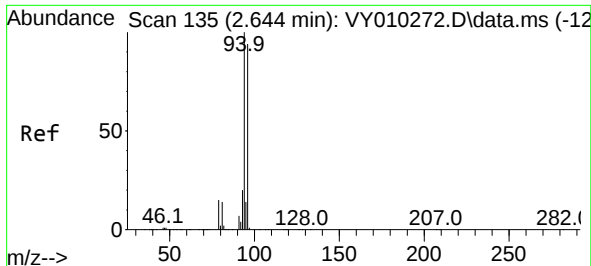
Tgt Ion:168 Resp: 271836
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.877 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

Tgt Ion: 85 Resp: 4074
Ion Ratio Lower Upper
85 100
87 32.1 16.1 48.2





#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA_Y

ClientSampleId :

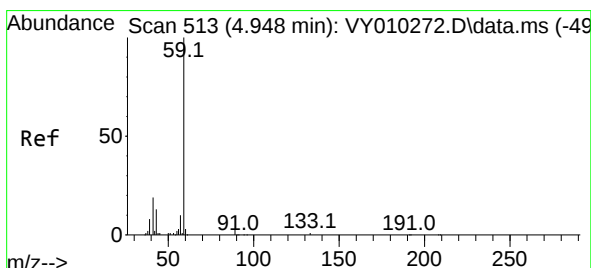
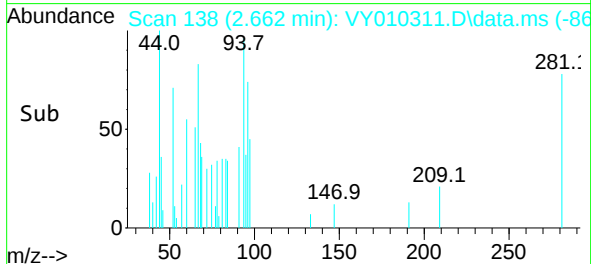
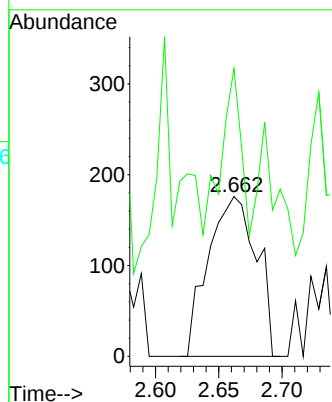
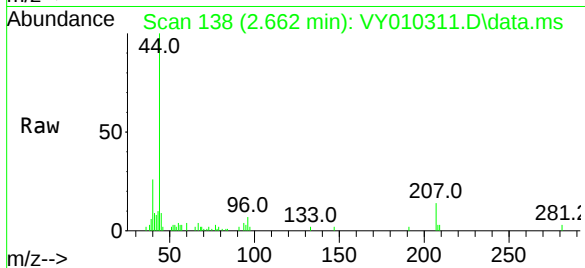
AP-PIPE-2-SOIL

Tgt Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 75.6 73.5 110.3



#11

Tert butyl alcohol

Concen: 12.490 ug/l

RT: 4.942 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY010311.D

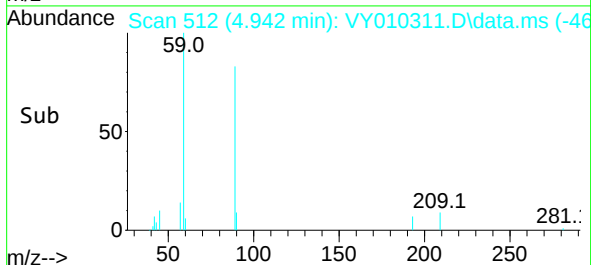
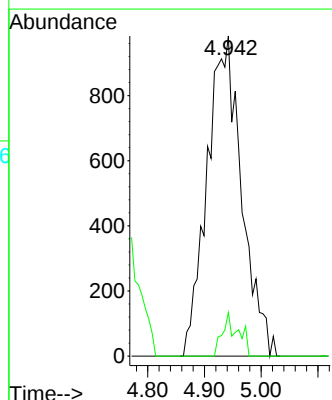
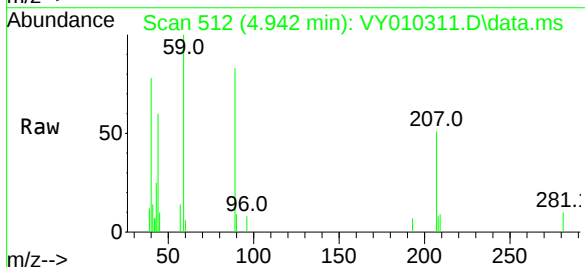
Acq: 03 Sep 2022 05:19

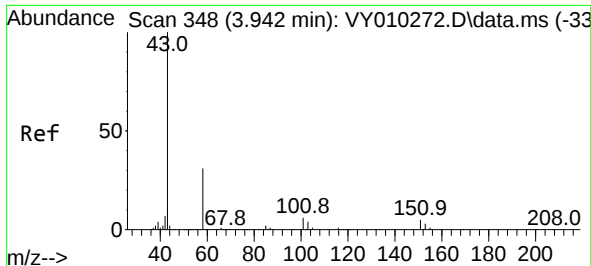
Tgt Ion: 59 Resp: 4165

Ion Ratio Lower Upper

59 100

57 4.1 6.4 9.6#

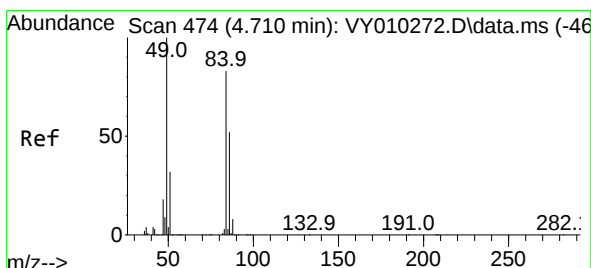
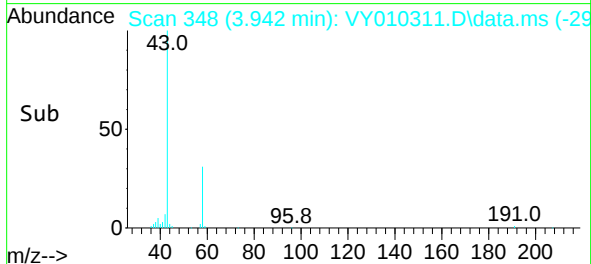
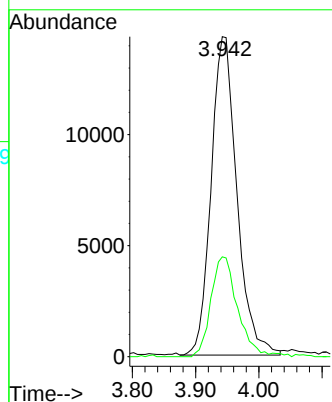
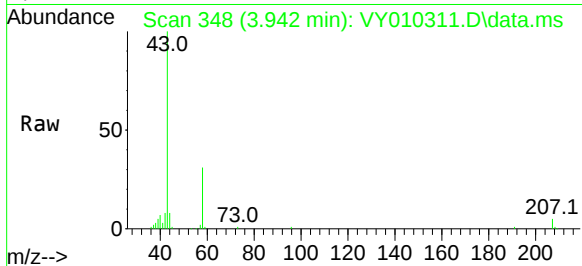




#16
Acetone
Concen: 58.207 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

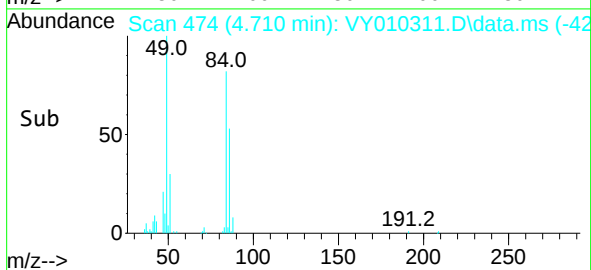
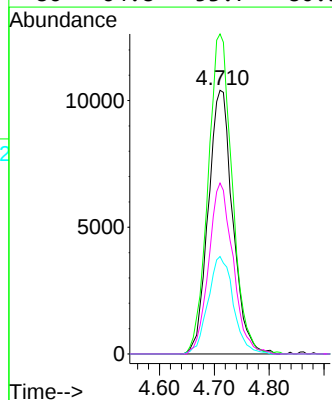
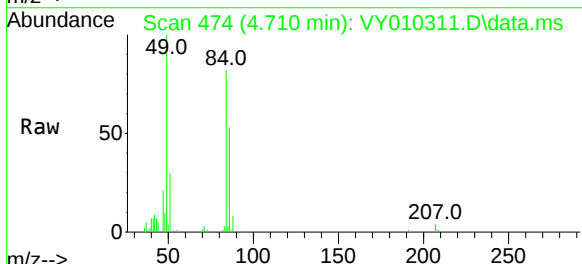
Instrument :
MSVOA_Y
ClientSampleId :
AP-PIPE-2-SOIL

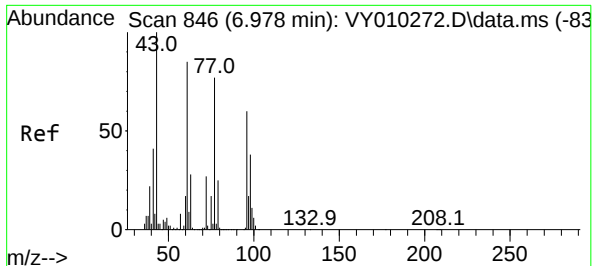
Tgt Ion: 43 Resp: 40559
Ion Ratio Lower Upper
43 100
58 31.4 22.0 33.0



#20
Methylene Chloride
Concen: 9.580 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

Tgt Ion: 84 Resp: 32215
Ion Ratio Lower Upper
84 100
49 121.4 114.4 171.6
51 37.0 35.3 52.9
86 64.8 53.7 80.5





#25

2-Butanone

Concen: 6.204 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA_Y

ClientSampleId :

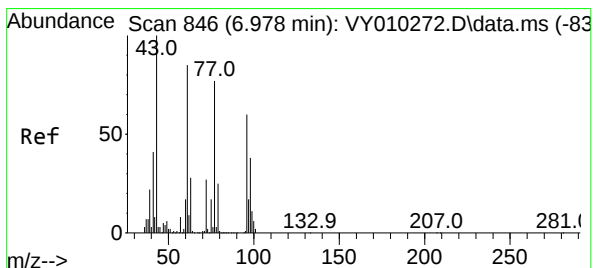
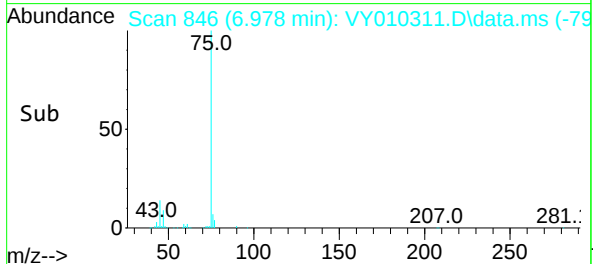
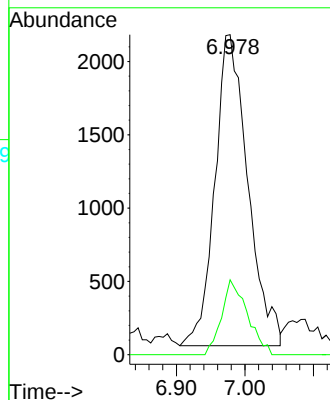
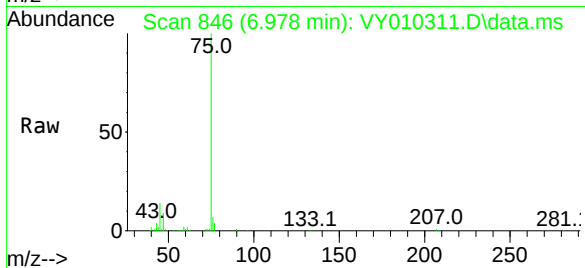
AP-PIPE-2-SOIL

Tgt Ion: 43 Resp: 7095

Ion Ratio Lower Upper

43 100

72 24.1 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.258 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010311.D

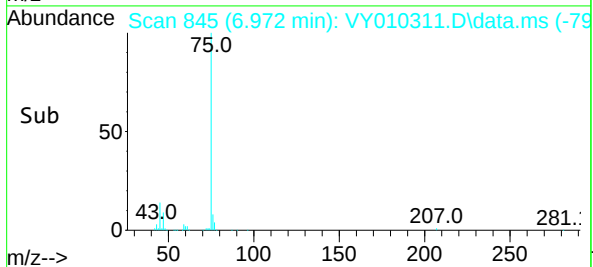
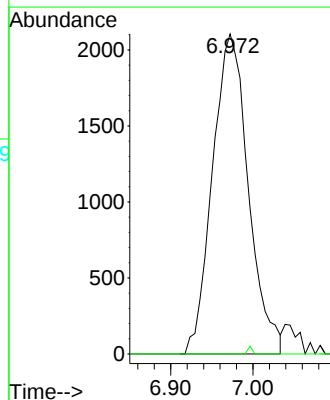
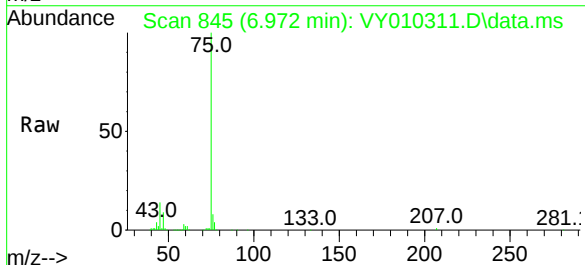
Acq: 03 Sep 2022 05:19

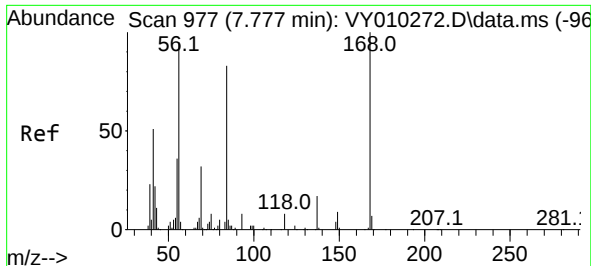
Tgt Ion: 77 Resp: 6387

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

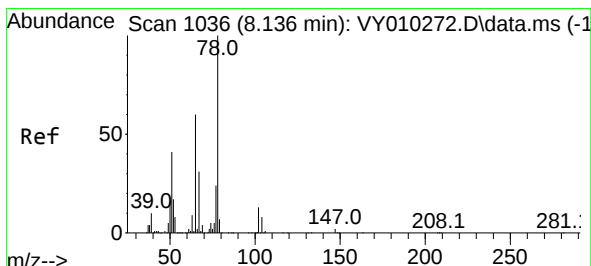
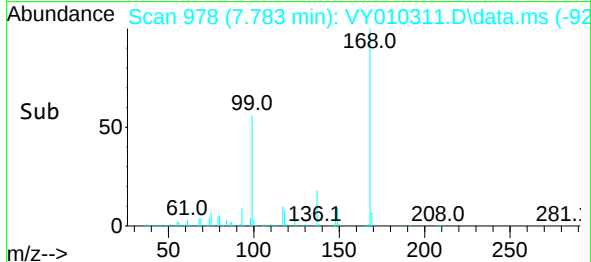
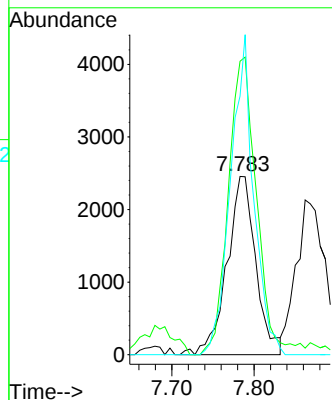
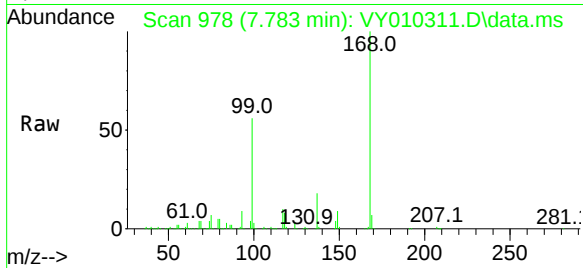




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

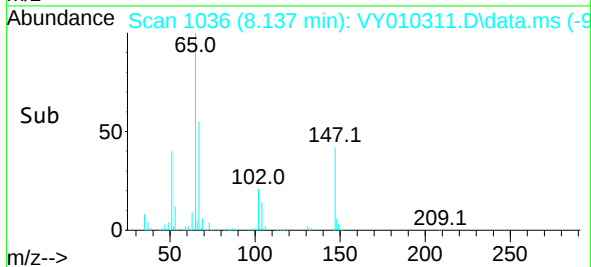
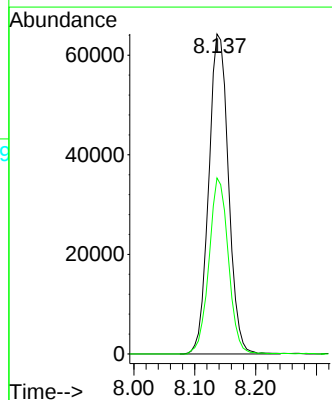
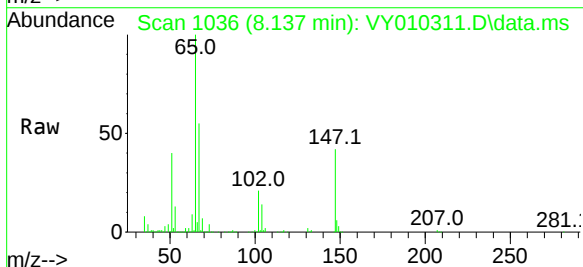
Instrument :
MSVOA_Y
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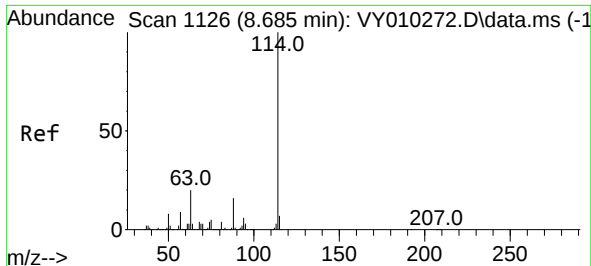
Tgt Ion: 56 Resp: 5983
Ion Ratio Lower Upper
56 100
69 157.9 26.7 40.1#
84 145.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.785 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

Tgt Ion: 65 Resp: 144344
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA_Y

ClientSampleId :

AP-PIPE-2-SOIL

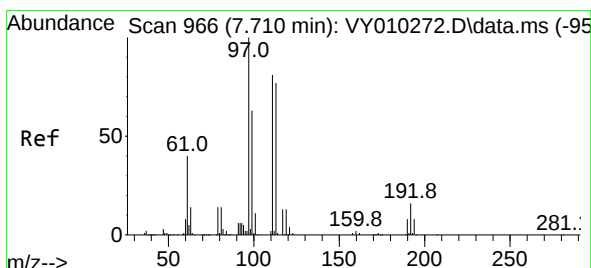
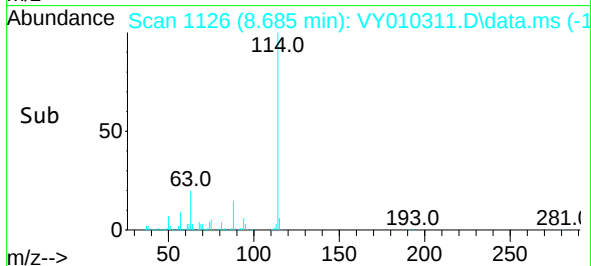
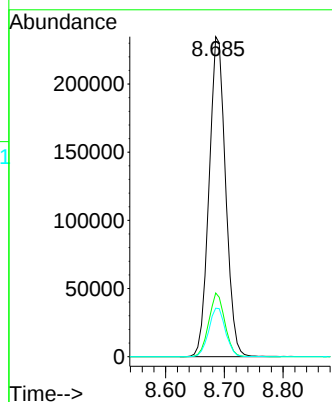
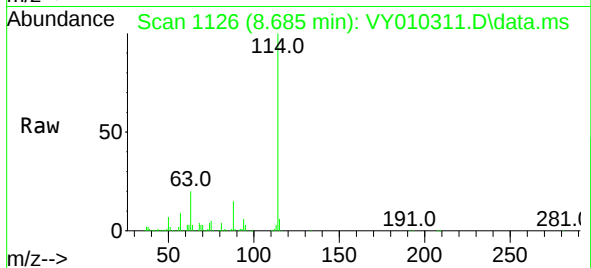
Tgt Ion:114 Resp: 457855

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.401 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

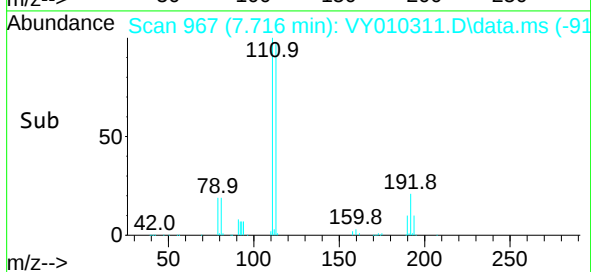
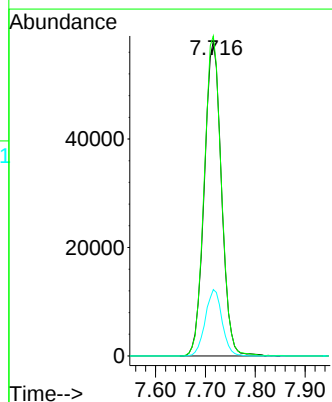
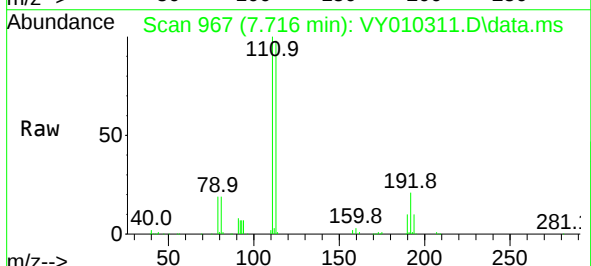
Tgt Ion:113 Resp: 138383

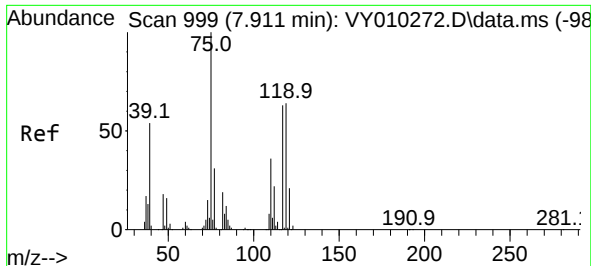
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 20.7 17.6 26.4

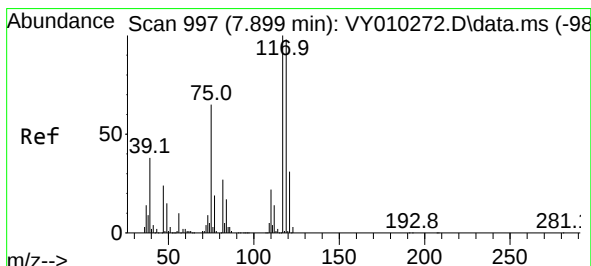
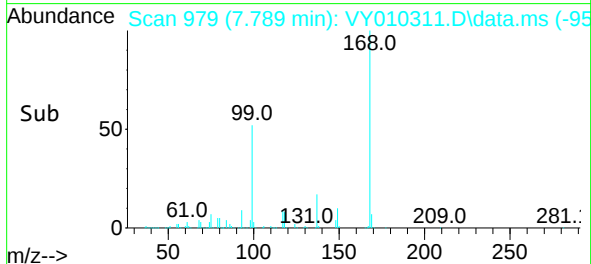
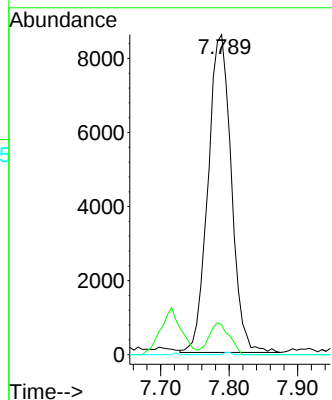
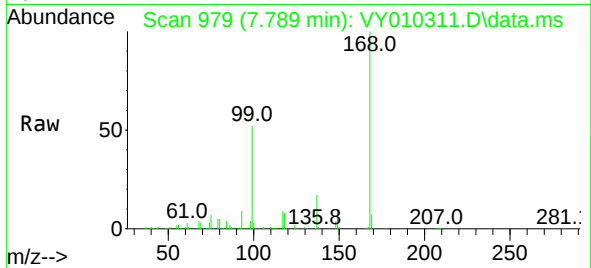




#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY010311.D
 Acq: 03 Sep 2022 05:19

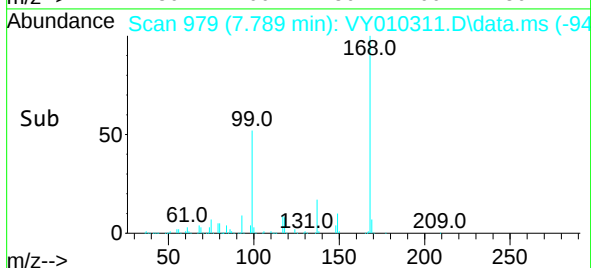
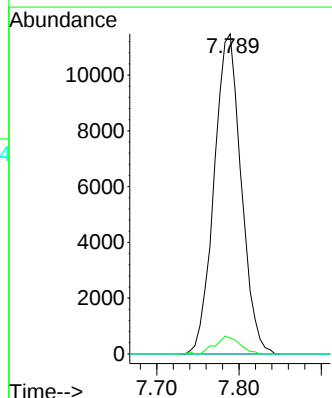
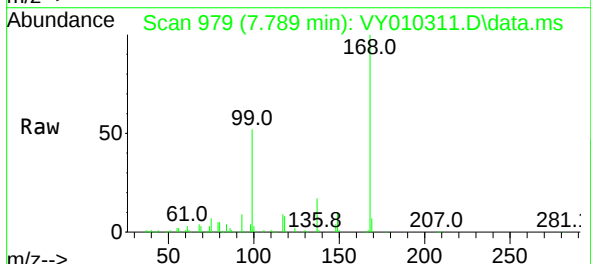
Instrument :
 MSVOA_Y
 ClientSampleId :
 AP-PIPE-2-SOIL

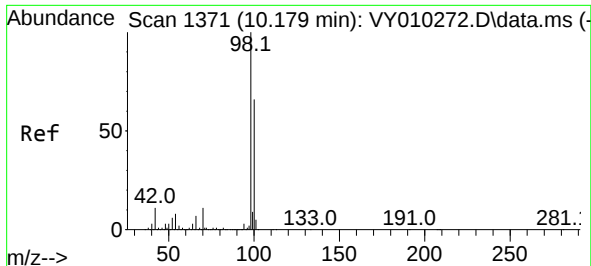
Tgt Ion: 75 Resp: 20320
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.2#
 77 0.2 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.682 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY010311.D
 Acq: 03 Sep 2022 05:19

Tgt Ion: 117 Resp: 26190
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.9 116.9#
 121 0.0 24.8 37.2#

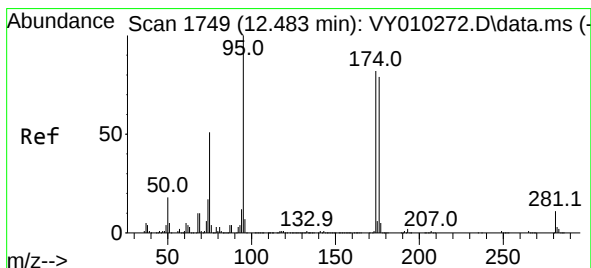
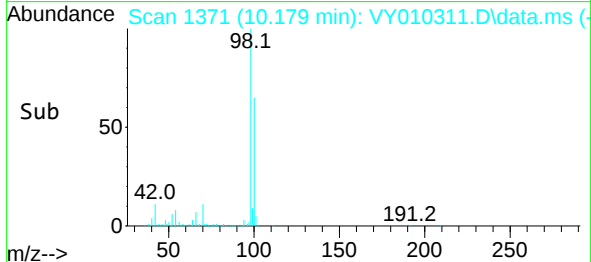
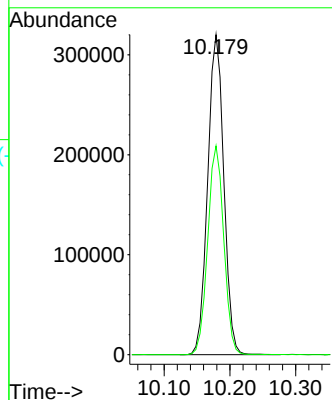
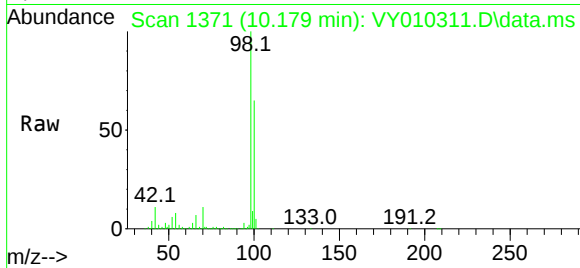




#50
Toluene-d8
Concen: 53.483 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

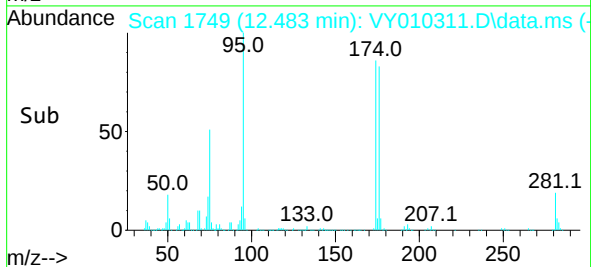
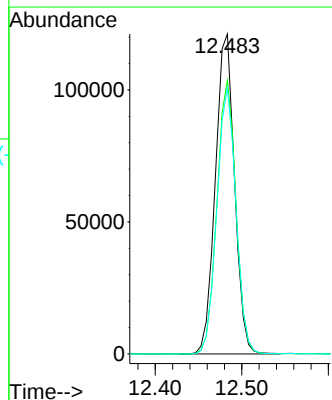
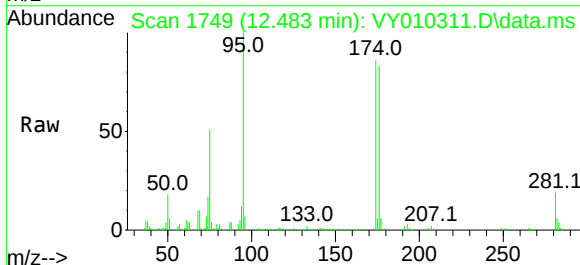
Instrument :
MSVOA_Y
ClientSampleId :
AP-PIPE-2-SOIL

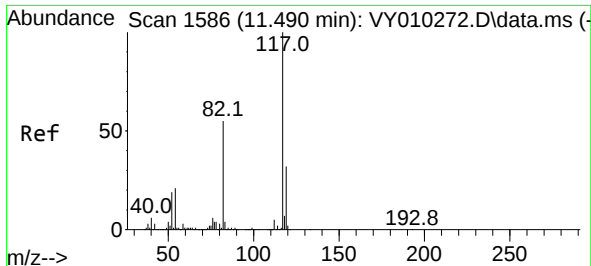
Tgt Ion: 98 Resp: 545789
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.876 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010311.D
Acq: 03 Sep 2022 05:19

Tgt Ion: 95 Resp: 186047
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.9 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA_Y

ClientSampleId :

AP-PIPE-2-SOIL

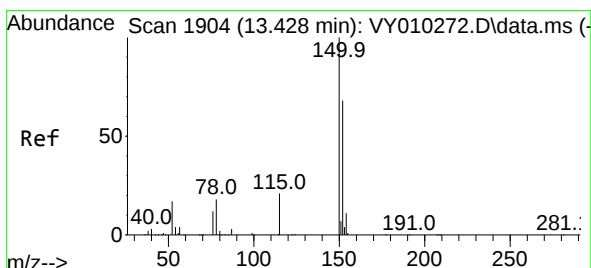
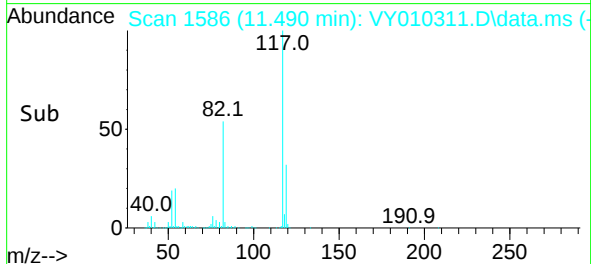
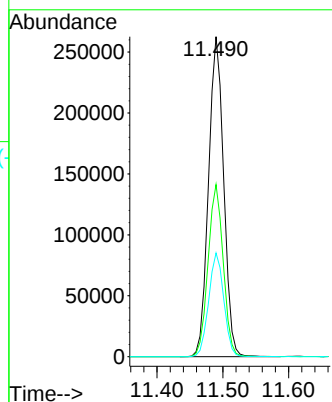
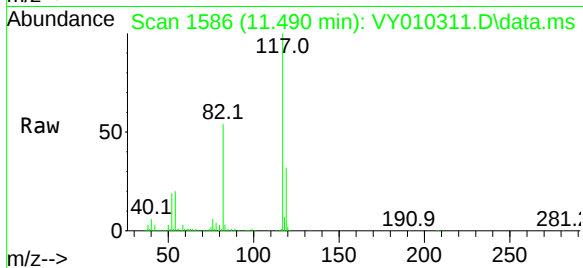
Tgt Ion:117 Resp: 421295

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

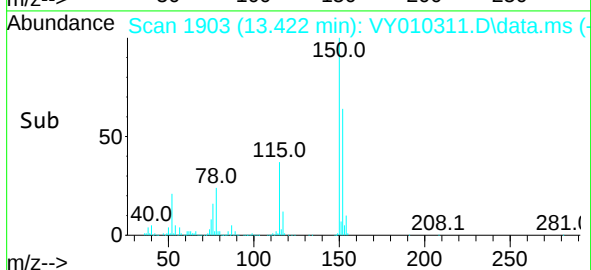
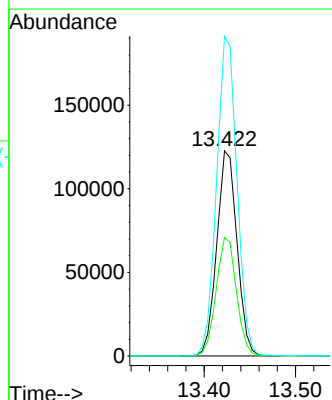
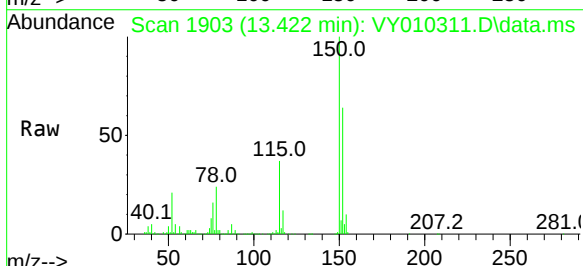
Tgt Ion:152 Resp: 189161

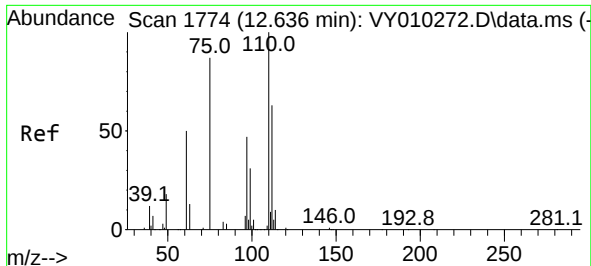
Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.7

150 157.0 0.0 347.6

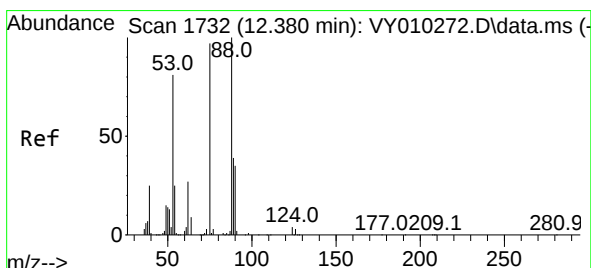
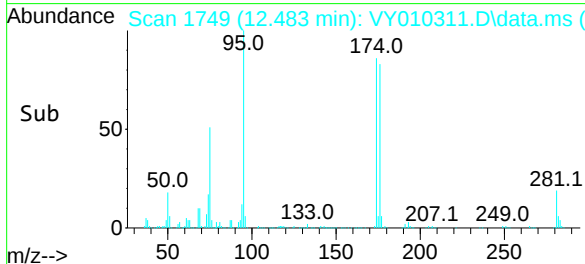
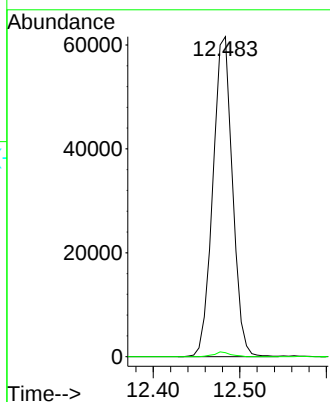
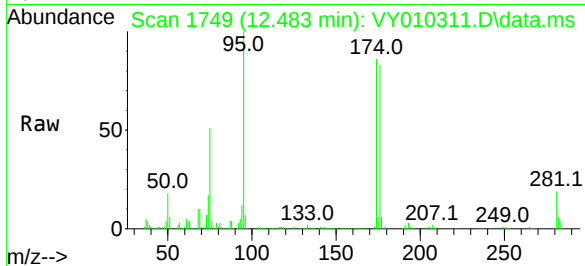




#76
 1,2,3-Trichloropropane
 Concen: 43.011 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY010311.D
 Acq: 03 Sep 2022 05:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 AP-PIPE-2-SOIL

Tgt Ion: 75 Resp: 96823
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.727 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY010311.D
 Acq: 03 Sep 2022 05:19

Tgt Ion: 75 Resp: 96823
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.3 37.0 55.4#

