

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007558.D
 Acq On : 18 Feb 2022 20:22
 Operator : SY/MD
 Sample : N1611-04
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 19 04:37:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

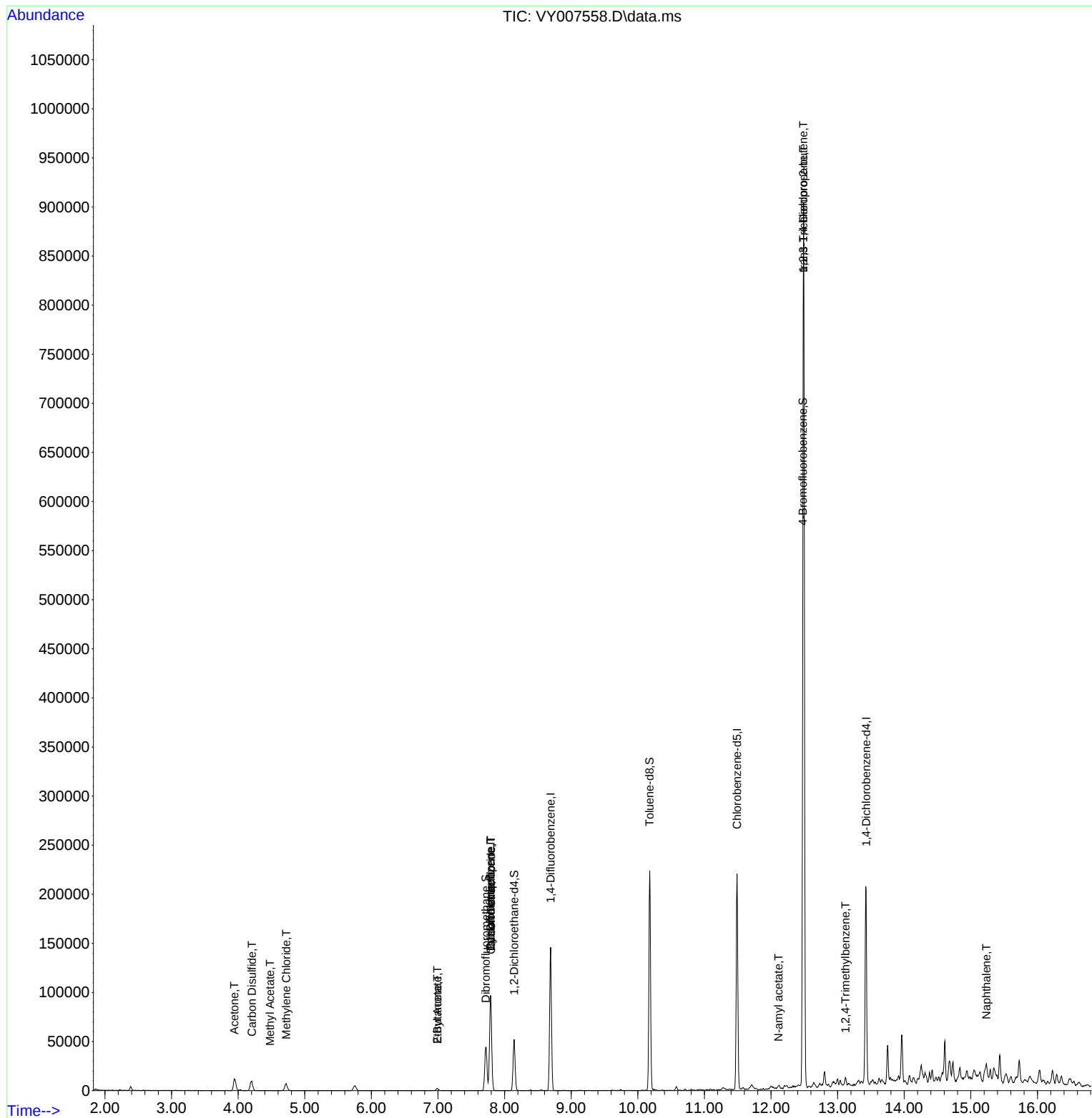
Internal Standards						
1) Pentafluorobenzene	7.789	168	72079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	121736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	118754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	40897	51.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.780%	
35) Dibromofluoromethane	7.716	113	30832	40.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.320%	
50) Toluene-d8	10.179	98	148274	50.852	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.477	95	53044	53.651	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.300%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	149	Below Cal	#	44
5) Bromomethane	2.668	94	49	Below Cal	#	4
16) Acetone	3.942	43	20643	97.773	ug/l	96
17) Carbon Disulfide	4.204	76	19607	8.698	ug/l	99
18) Methyl Acetate	4.478	43	19	1.422	ug/l #	56
20) Methylene Chloride	4.722	84	5260	6.079	ug/l #	79
25) 2-Butanone	6.990	43	3353	12.826	ug/l #	61
31) Cyclohexane	7.789	56	1533	1.089	ug/l #	43
36) 1,1-Dichloropropene	7.789	75	5786	4.652	ug/l #	52
37) Ethyl Acetate	6.990	43	3353	5.967	ug/l #	72
38) Carbon Tetrachloride	7.795	117	7909	5.596	ug/l #	14
74) N-amyl acetate	12.111	43	1419	1.371	ug/l #	53
76) 1,2,3-Trichloropropane	12.483	75	37114	62.228	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37114	129.338	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.117	105	4929	1.342	ug/l	93
95) Naphthalene	15.233	128	11984	5.457	ug/l	98

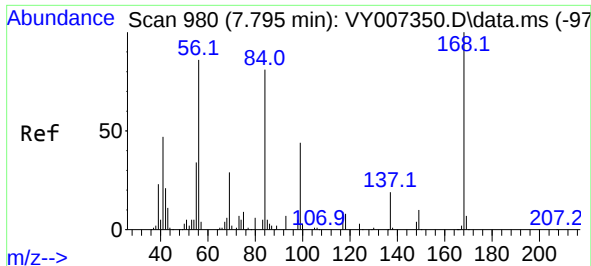
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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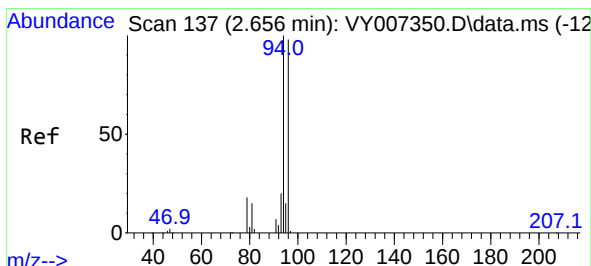
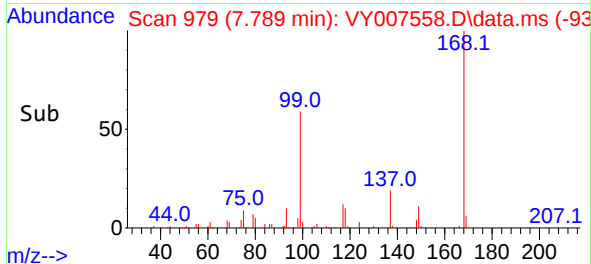
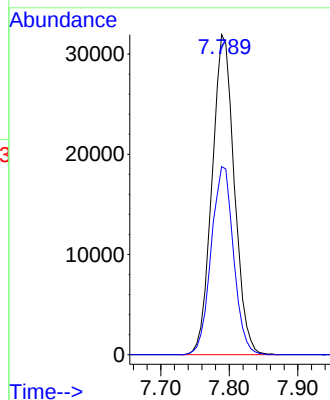
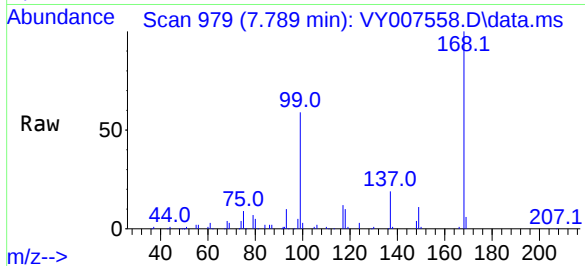




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

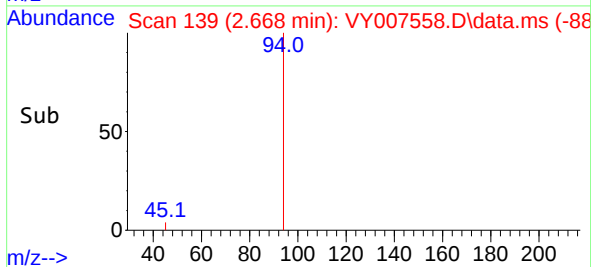
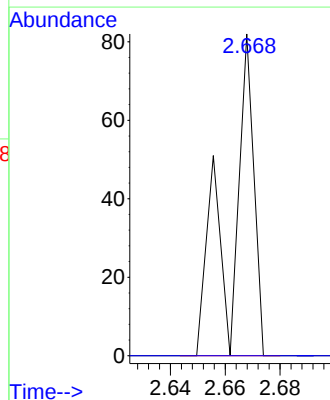
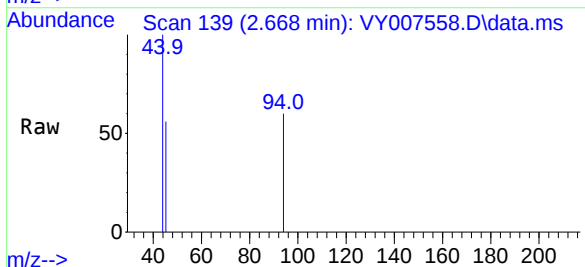
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

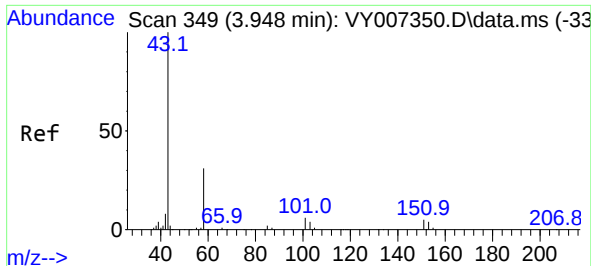
Tgt Ion:168 Resp: 72079
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#

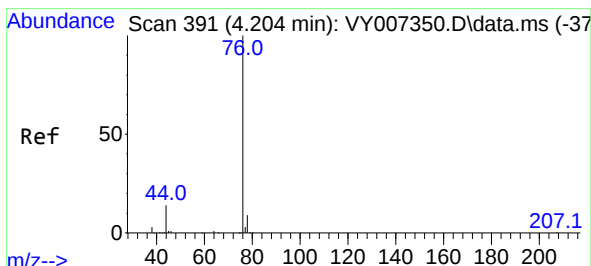
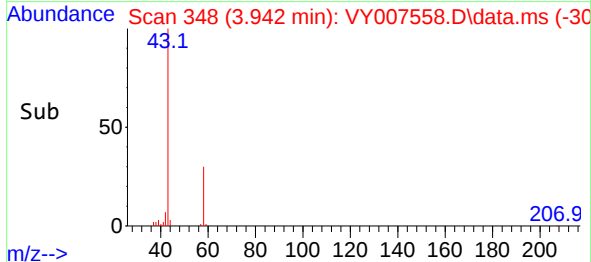
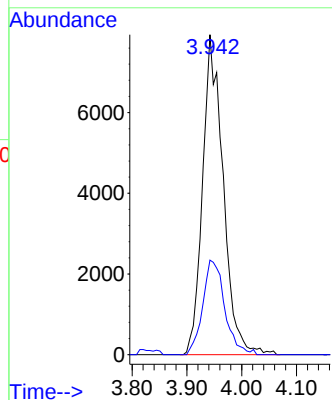
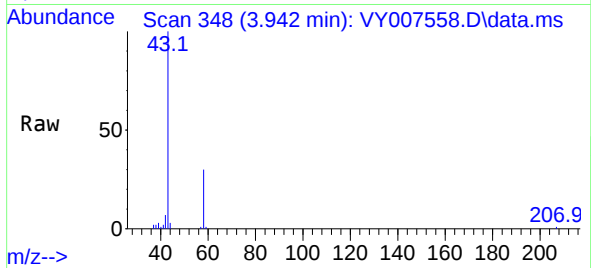




#16
Acetone
Concen: 97.773 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

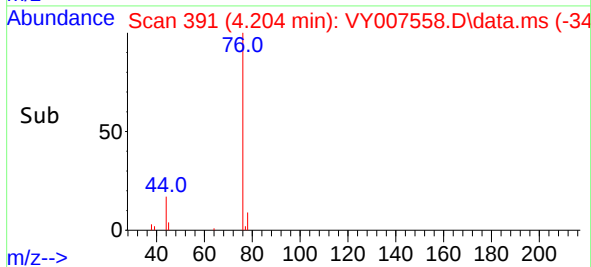
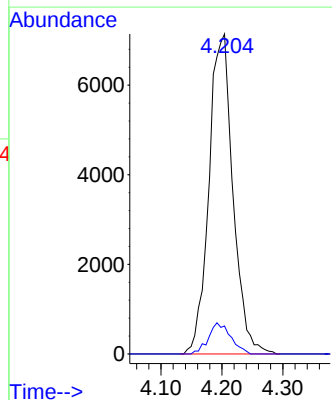
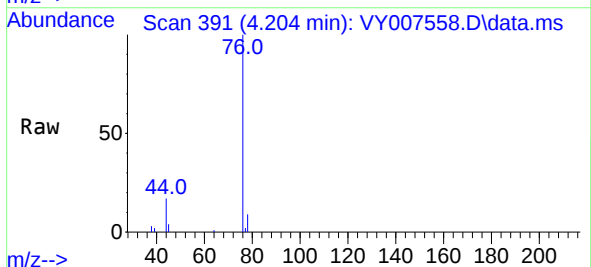
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

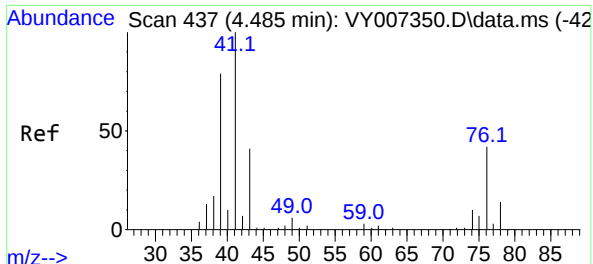
Tgt Ion: 43 Resp: 20643
Ion Ratio Lower Upper
43 100
58 29.6 22.0 33.0



#17
Carbon Disulfide
Concen: 8.698 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 76 Resp: 19607
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

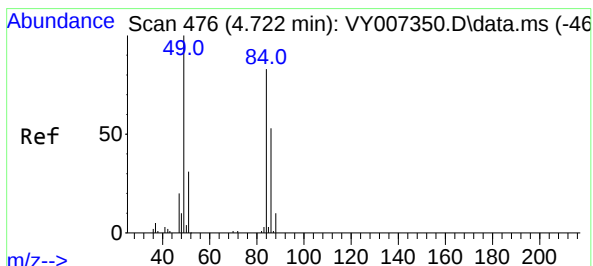
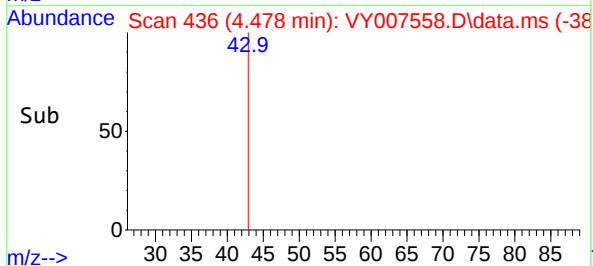
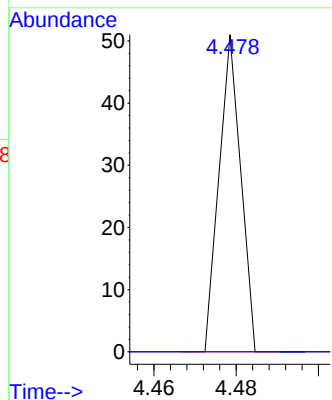
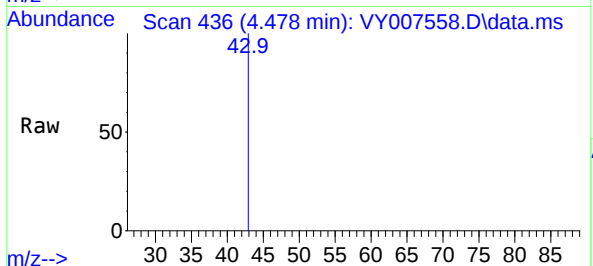




#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 4.478 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

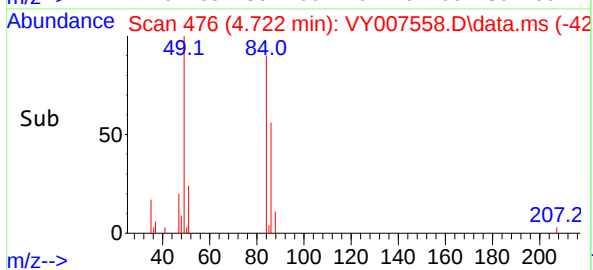
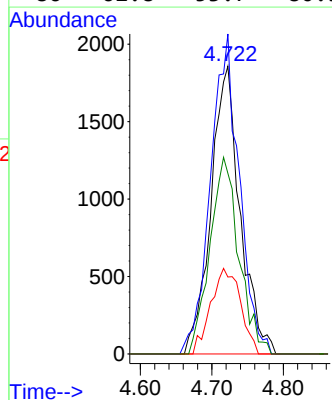
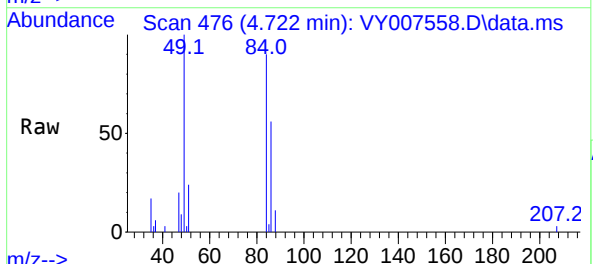
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

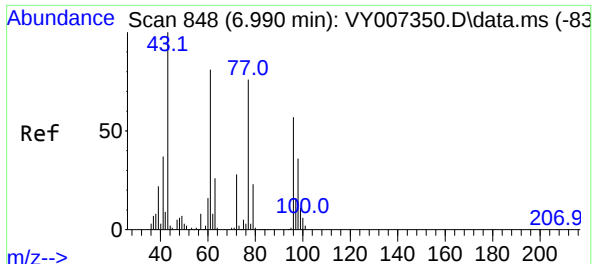
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 6.079 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 84 Resp: 5260
Ion Ratio Lower Upper
84 100
49 111.3 114.4 171.6#
51 26.8 35.3 52.9#
86 62.8 53.7 80.5





#25

2-Butanone

Concen: 12.826 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

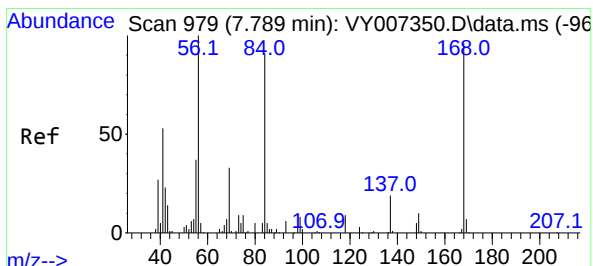
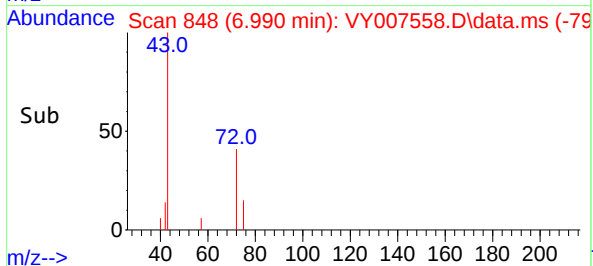
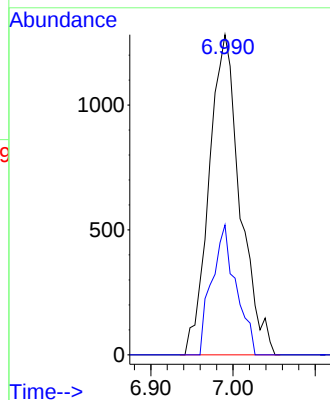
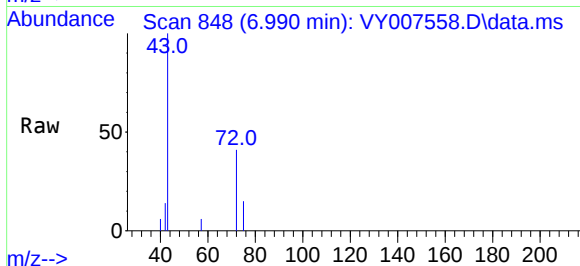
SOIL-COMP

Tgt Ion: 43 Resp: 3353

Ion Ratio Lower Upper

43 100

72 40.6 17.7 26.5#



#31

Cyclohexane

Concen: 1.089 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

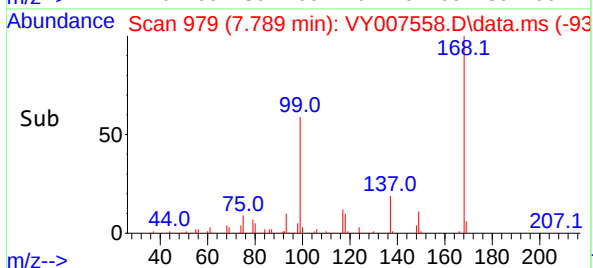
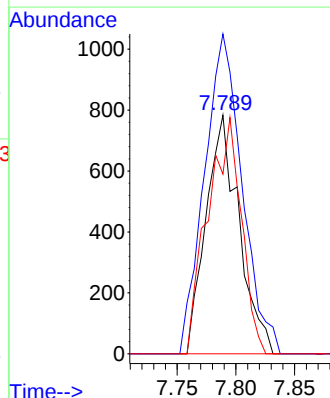
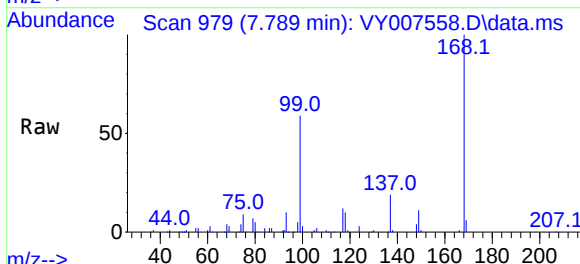
Tgt Ion: 56 Resp: 1533

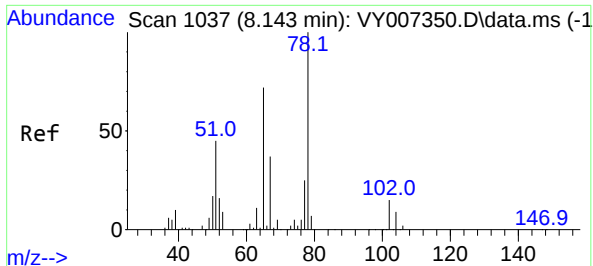
Ion Ratio Lower Upper

56 100

69 134.1 26.7 40.1#

84 75.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 51.392 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

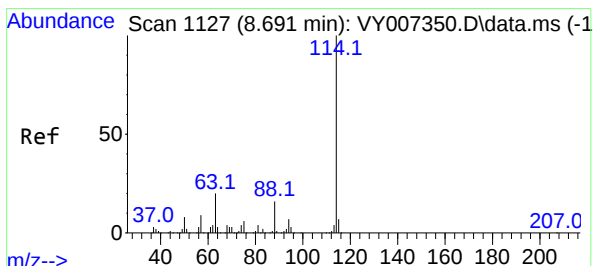
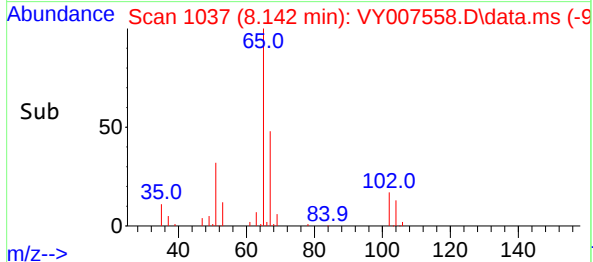
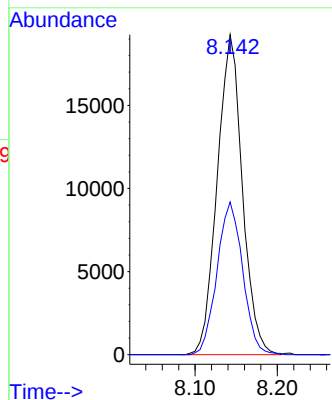
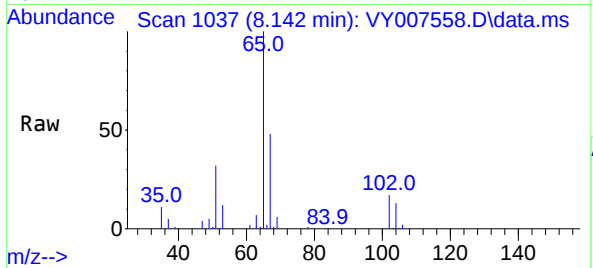
SOIL-COMP

Tgt Ion: 65 Resp: 40897

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

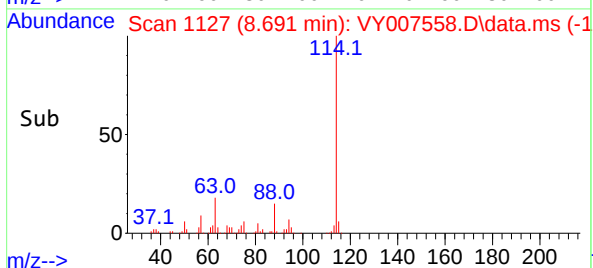
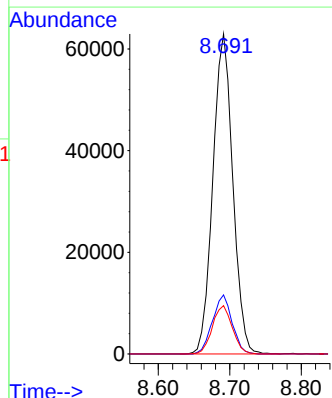
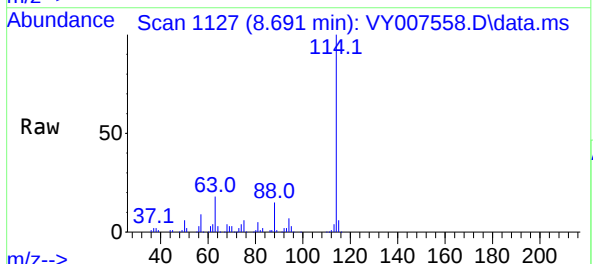
Tgt Ion: 114 Resp: 121736

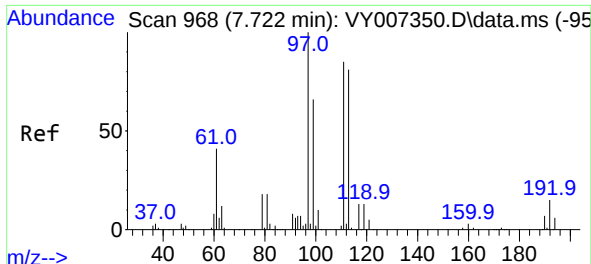
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.1 0.0 31.8

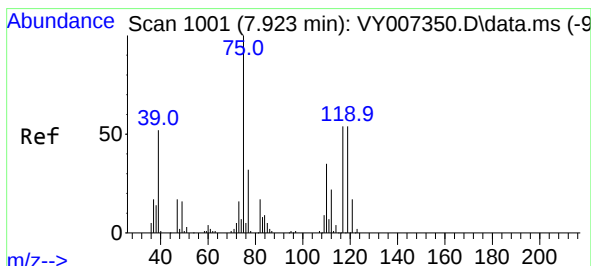
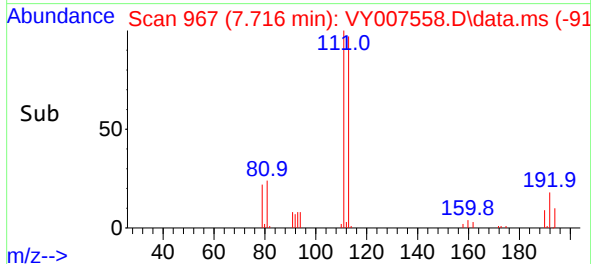
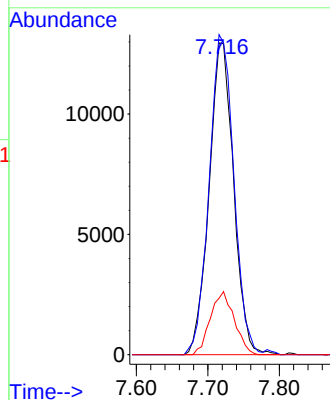
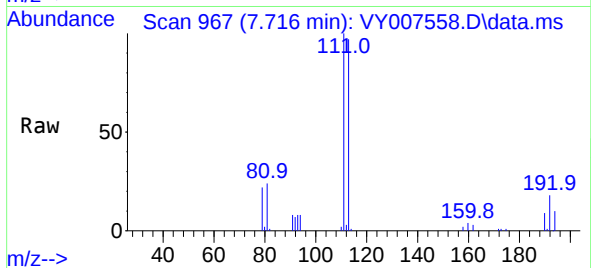




#35
Dibromofluoromethane
Concen: 40.161 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

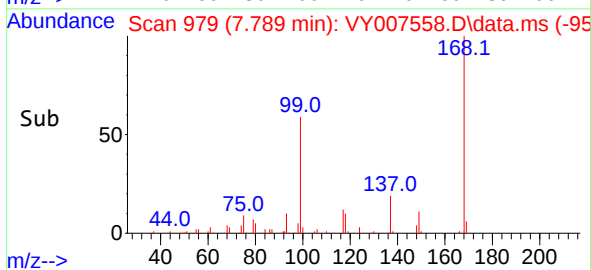
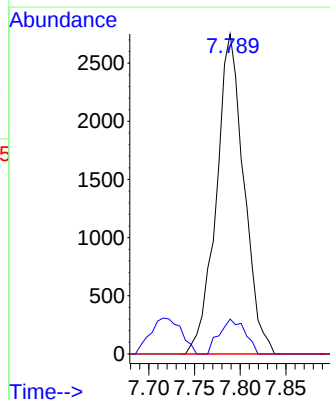
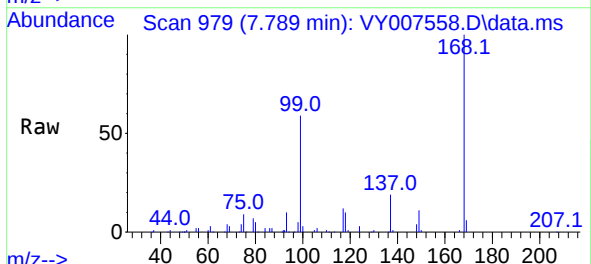
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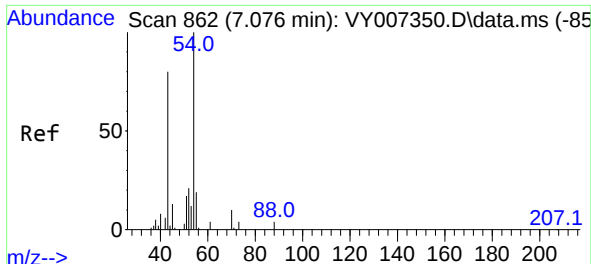
Tgt Ion:113 Resp: 30832
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 75 Resp: 5786
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.967 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

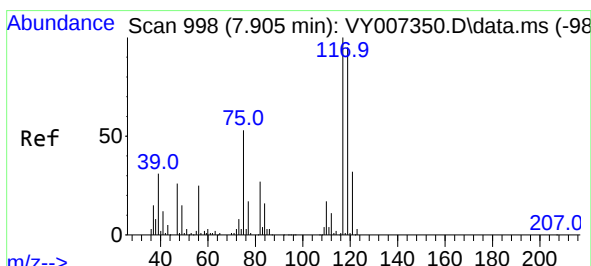
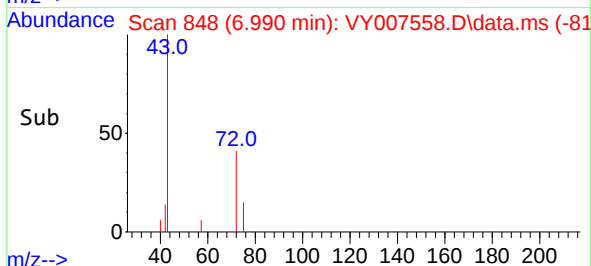
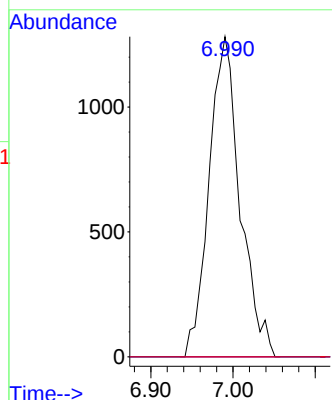
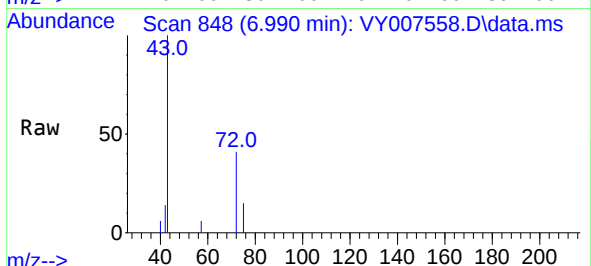
Tgt Ion: 43 Resp: 3353

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.596 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY007558.D

Acq: 18 Feb 2022 20:22

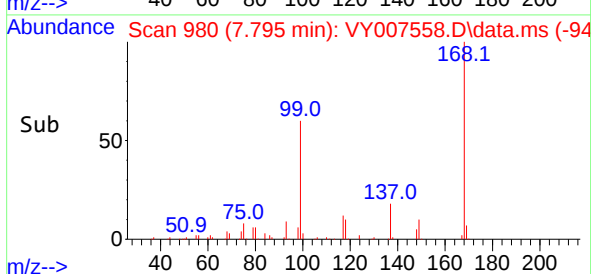
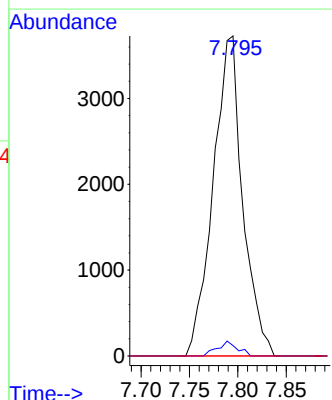
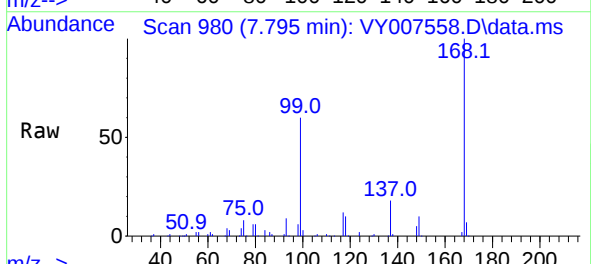
Tgt Ion: 117 Resp: 7909

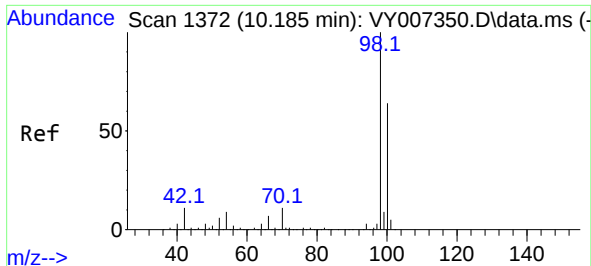
Ion Ratio Lower Upper

117 100

119 3.2 77.9 116.9#

121 0.0 24.8 37.2#

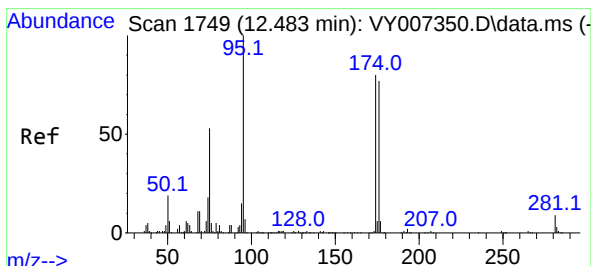
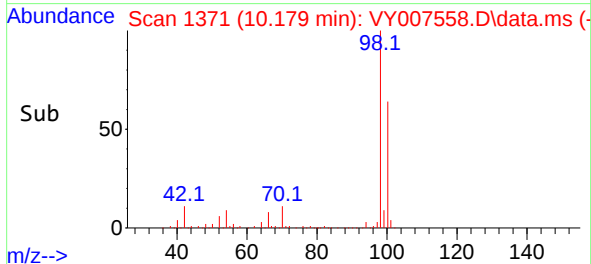
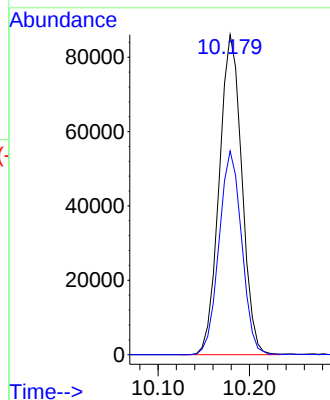
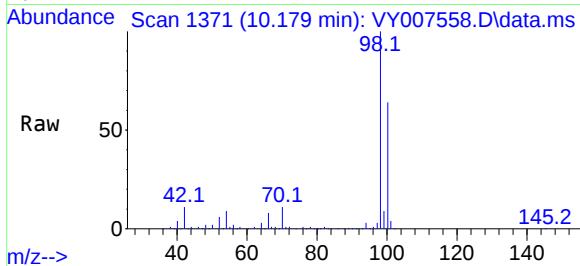




#50
Toluene-d8
Concen: 50.852 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

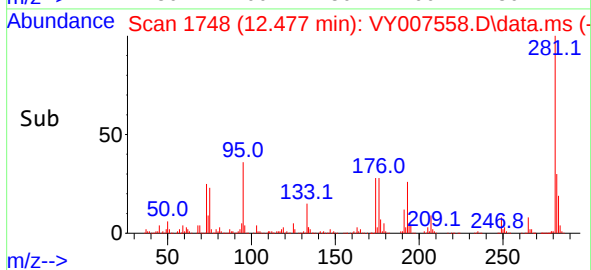
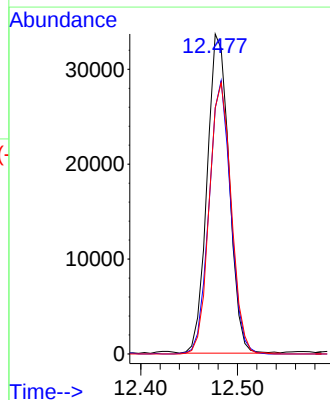
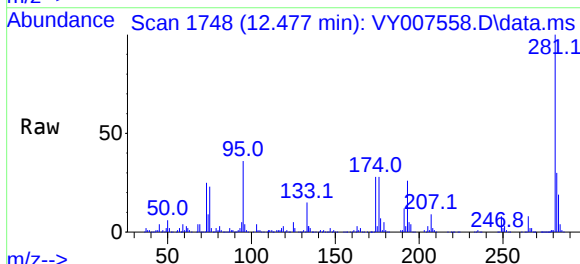
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

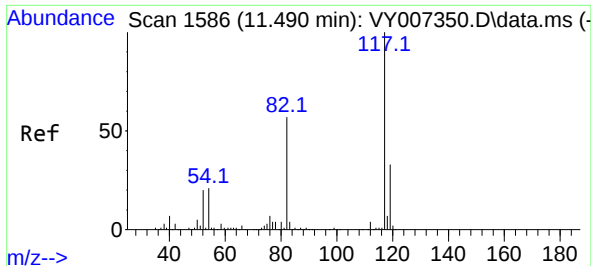
Tgt Ion: 98 Resp: 148274
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 53.651 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 95 Resp: 53044
Ion Ratio Lower Upper
95 100
174 84.2 0.0 177.0
176 84.9 0.0 175.8

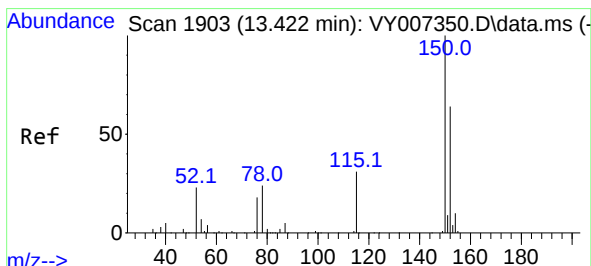
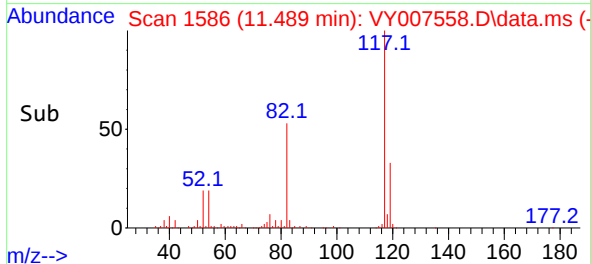
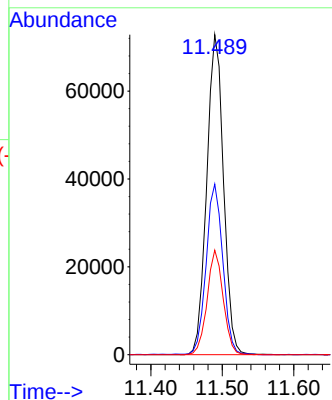
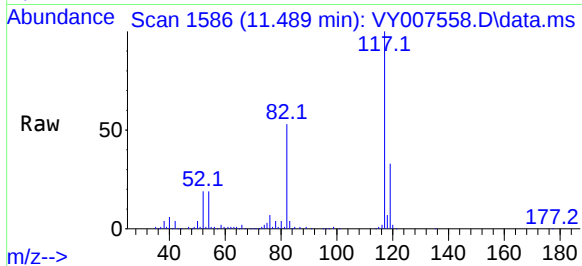




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

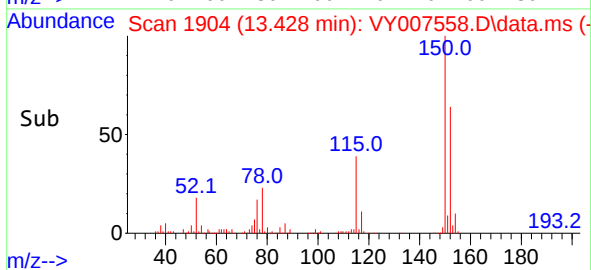
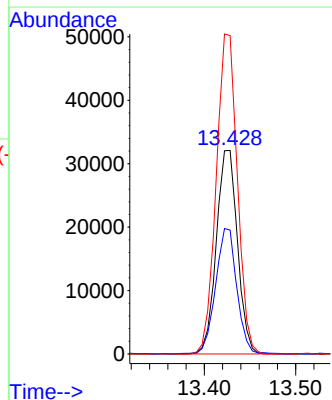
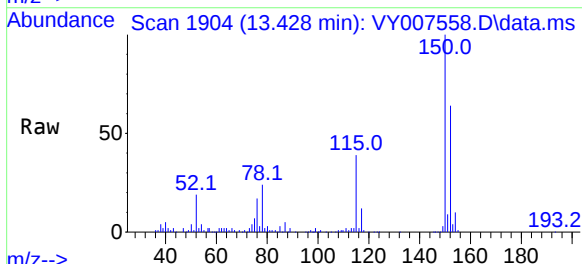
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

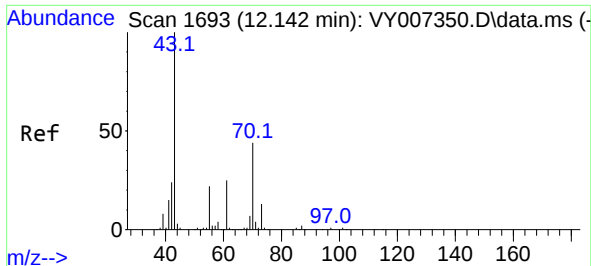
Tgt Ion:117 Resp: 118754
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion:152 Resp: 51618
Ion Ratio Lower Upper
152 100
115 62.0 28.2 84.7
150 156.8 0.0 347.6

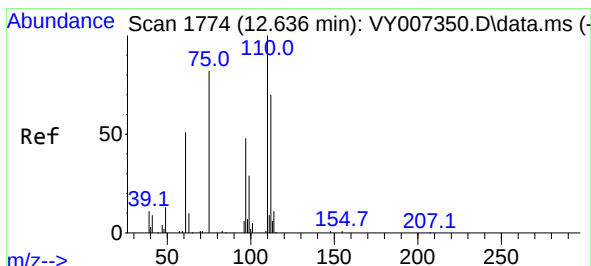
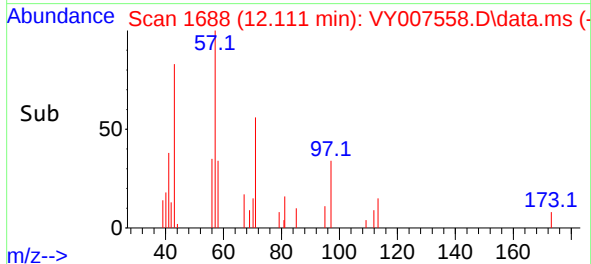
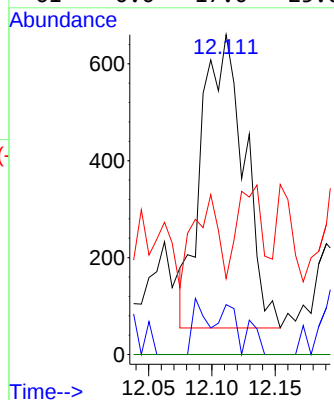
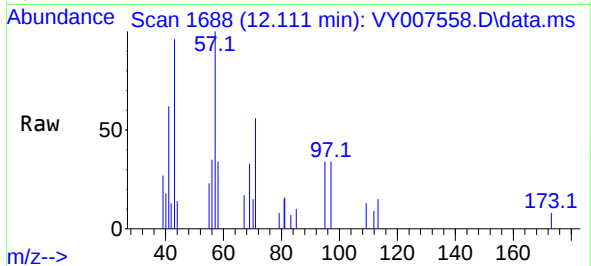




#74
N-amy1 acetate
Concen: 1.371 ug/l
RT: 12.111 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

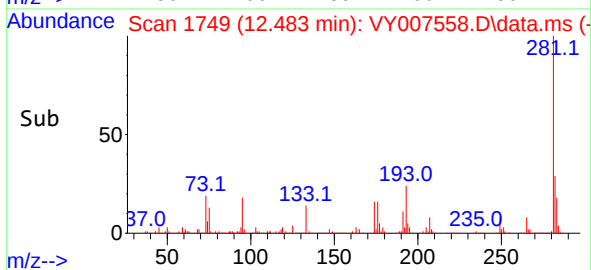
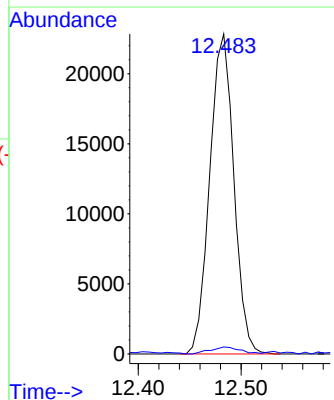
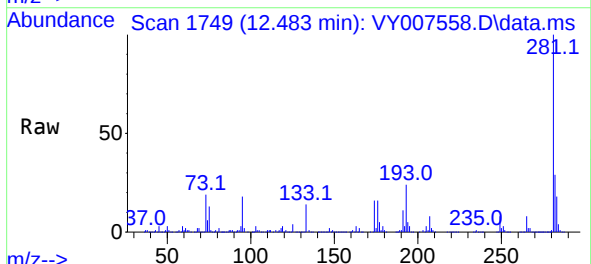
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

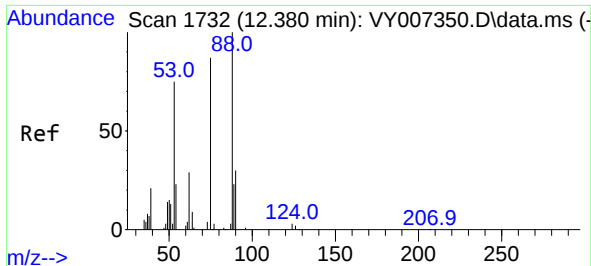
Tgt Ion: 43	Resp:	1419
Ion	Ratio	Lower Upper
43	100	
70	6.8	28.7 43.1#
55	0.0	17.3 25.9#
61	0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 62.228 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Tgt Ion: 75	Resp:	37114
Ion	Ratio	Lower Upper
75	100	
77	2.7	0.0 0.0#

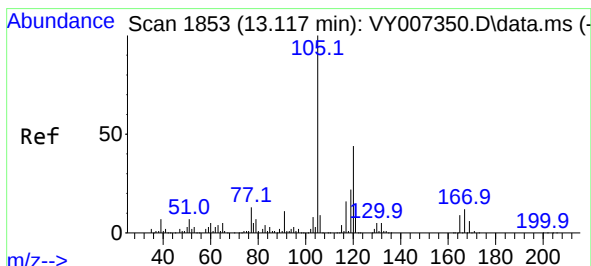
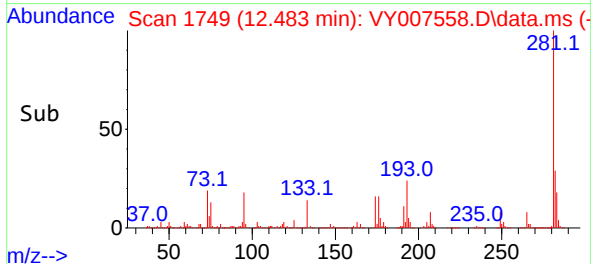
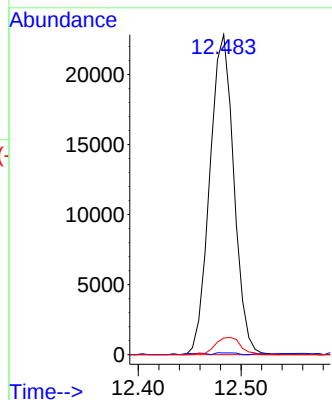
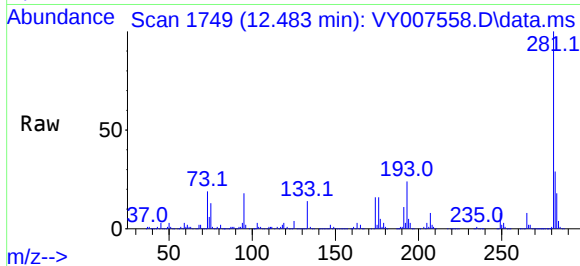




#81
trans-1,4-Dichloro-2-butene
Concen: 129.338 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

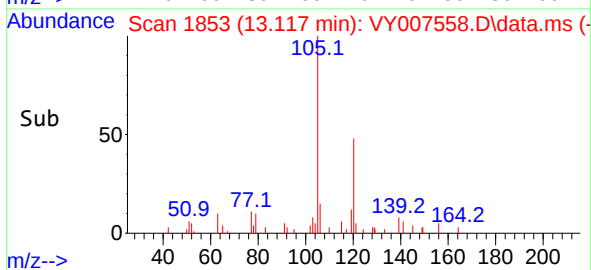
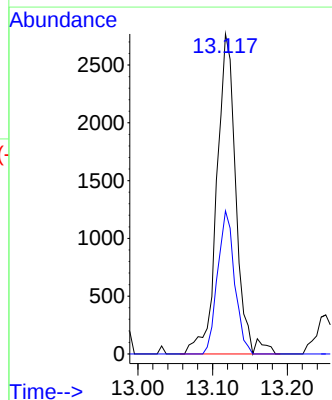
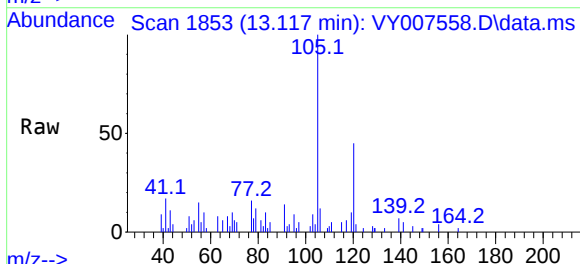
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

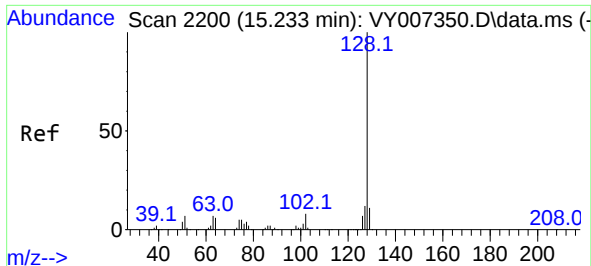
Tgt Ion: 75 Resp: 37114
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 5.7 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.342 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

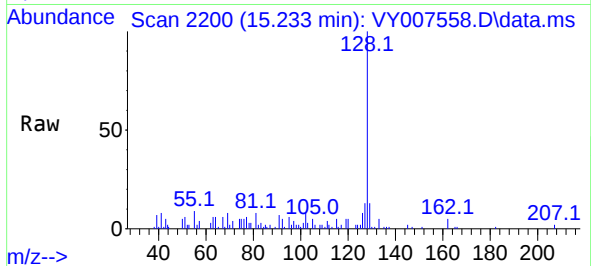
Tgt Ion: 105 Resp: 4929
Ion Ratio Lower Upper
105 100
120 39.7 22.3 66.9





#95
Naphthalene
Concen: 5.457 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007558.D
Acq: 18 Feb 2022 20:22

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP



Tgt Ion:	128	Resp:	11984
Ion	Ratio	Lower	Upper
128	100		
127	14.7	11.0	16.4
129	11.2	8.4	12.6

