

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017772.D
 Acq On : 26 Mar 2024 16:10
 Operator : SY/MD
 Sample : P1869-01
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-1

Quant Time: Mar 27 01:31:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

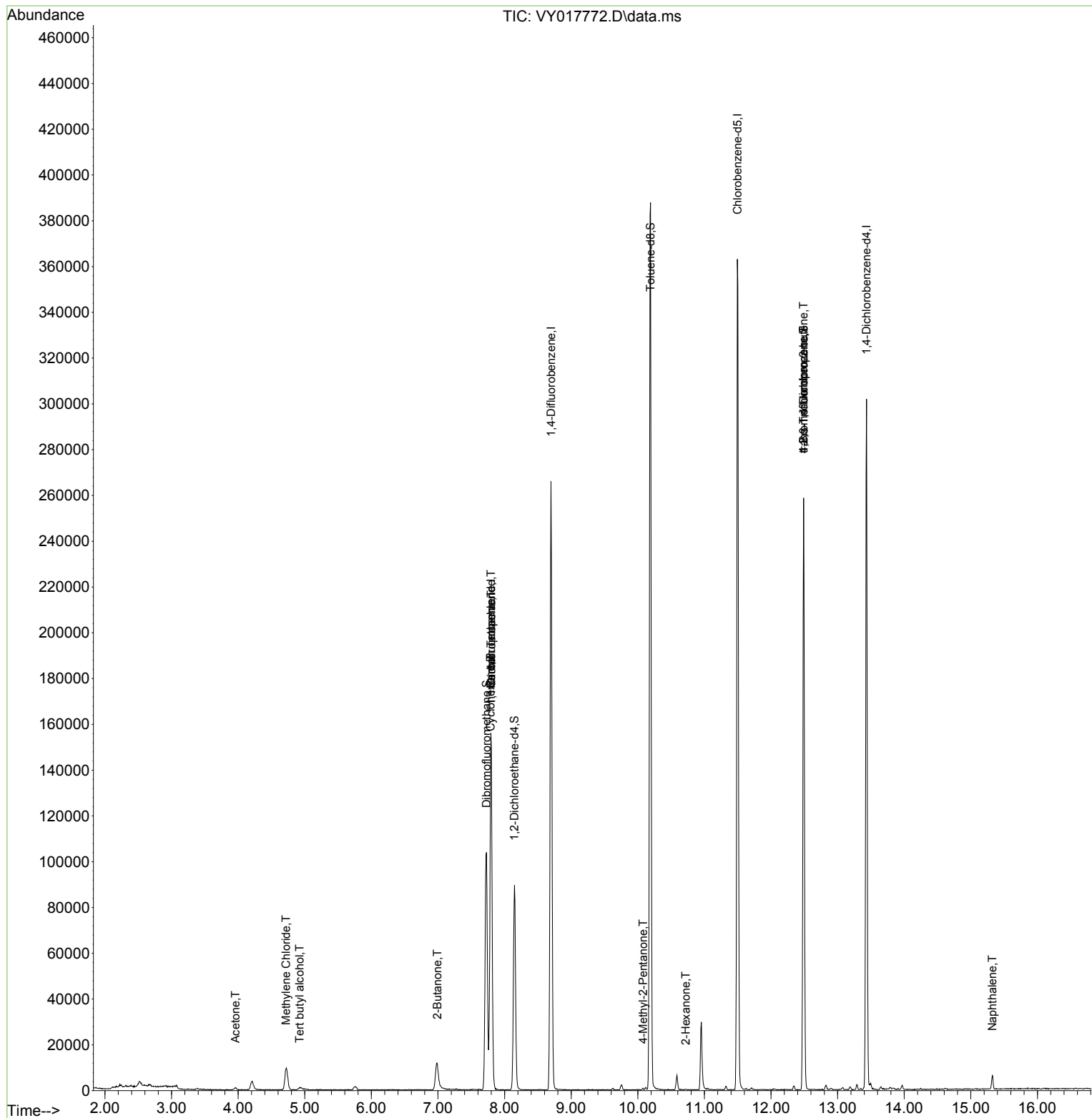
Internal Standards						
1) Pentafluorobenzene	7.795	168	127149	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	230544	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	207703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	79740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69247	62.514	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.020%			
35) Dibromofluoromethane	7.728	113	76590	55.577	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.160%			
50) Toluene-d8	10.191	98	265491	50.337	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.489	95	73419	46.357	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	444	6.026	ug/l #	88
16) Acetone	3.960	43	1556	8.031	ug/l #	80
20) Methylene Chloride	4.716	84	7609	5.400	ug/l	97
25) 2-Butanone	6.990	43	707	10.050	ug/l #	41
31) Cyclohexane	7.789	56	2365	1.080	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	8926	4.193	ug/l #	48
38) Carbon Tetrachloride	7.795	117	12011	5.388	ug/l #	17
51) 4-Methyl-2-Pentanone	10.081	43	489	6.189	ug/l #	72
59) 2-Hexanone	10.721	43	103	9.646	ug/l #	19
76) 1,2,3-Trichloropropane	12.489	75	38415	52.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	38415	120.548	ug/l #	16
95) Naphthalene	15.324	128	88	2.649	ug/l #	69

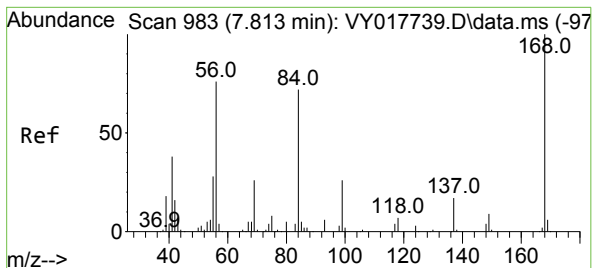
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 04:03:52 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.018 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

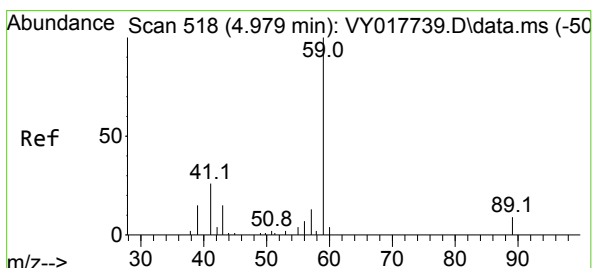
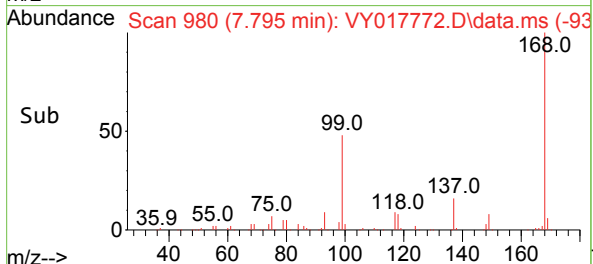
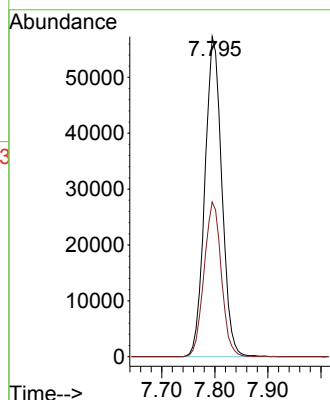
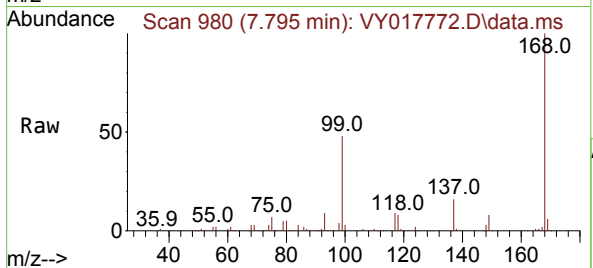
SOIL-1

Tgt Ion:168 Resp: 127149

Ion Ratio Lower Upper

168 100

99 48.4 39.1 58.7



#11

Tert butyl alcohol

Concen: 6.026 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.055 min

Lab File: VY017772.D

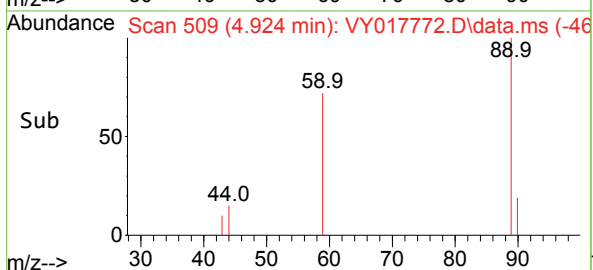
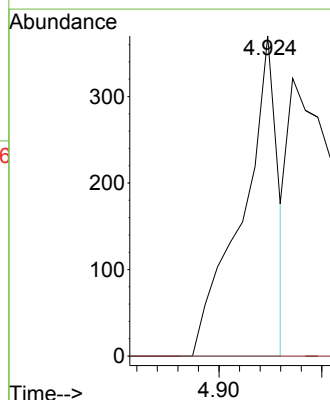
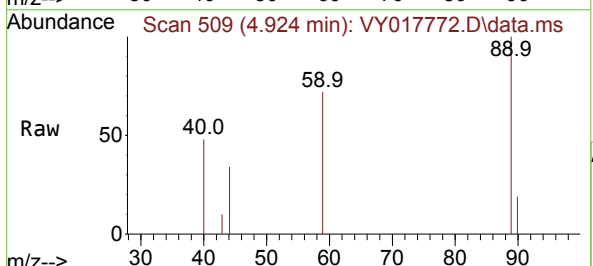
Acq: 26 Mar 2024 16:10

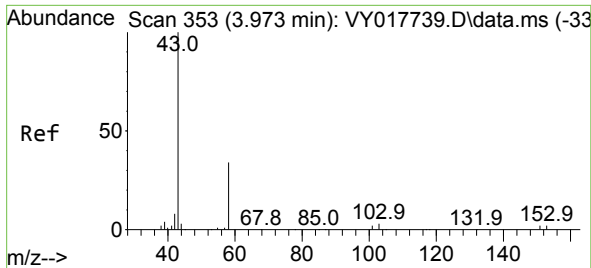
Tgt Ion: 59 Resp: 444

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#





#16

Acetone

Concen: 8.031 ug/l

RT: 3.960 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

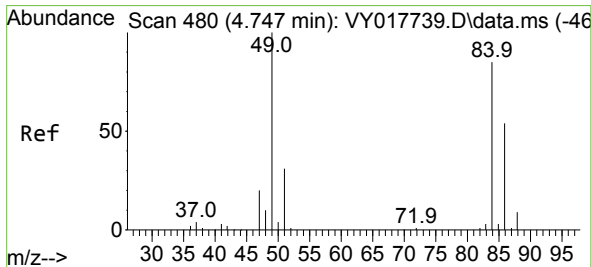
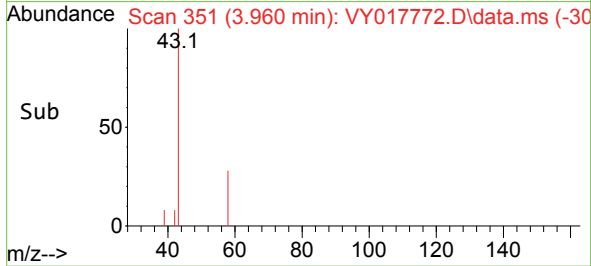
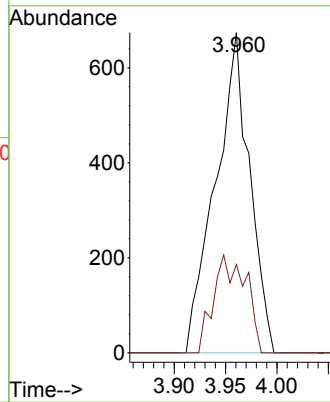
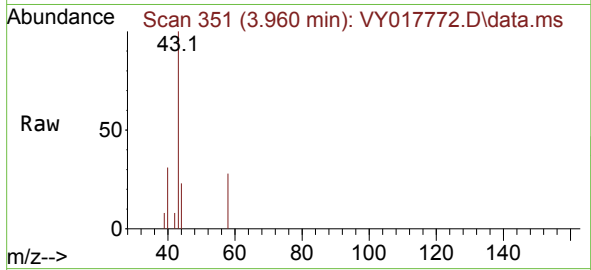
SOIL-1

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

58 27.6 31.7 47.5#



#20

Methylene Chloride

Concen: 5.400 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.030 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Tgt Ion: 84 Resp: 7609

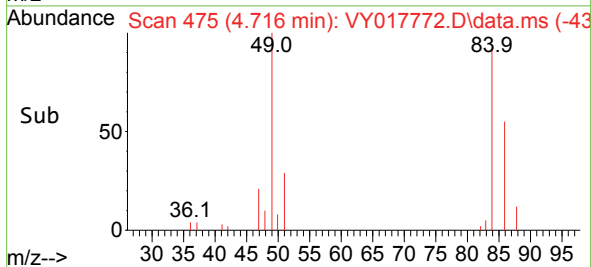
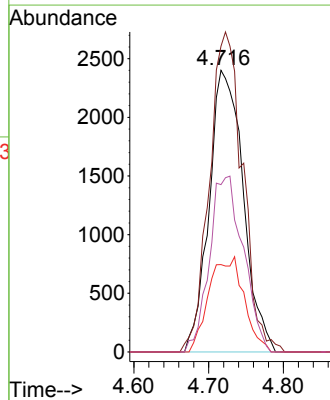
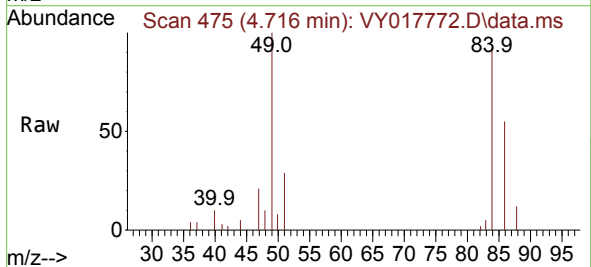
Ion Ratio Lower Upper

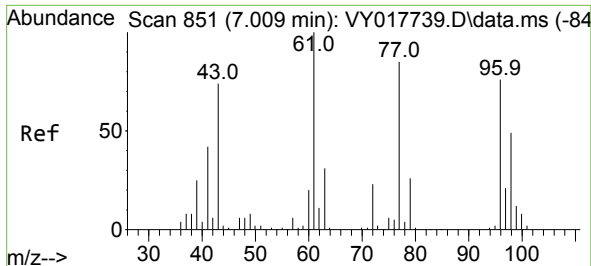
84 100

49 108.6 84.4 126.6

51 31.0 26.0 39.0

86 59.4 49.5 74.3

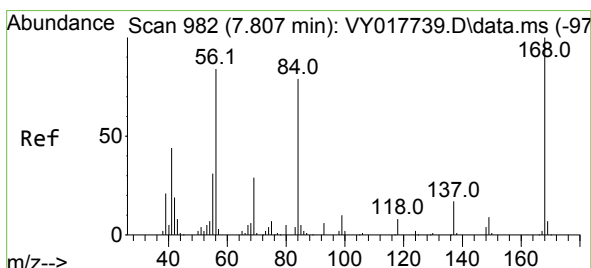
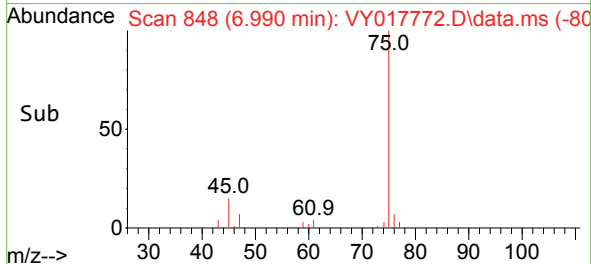
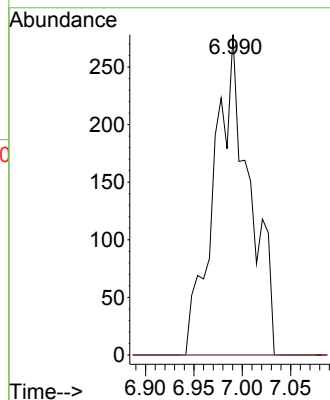
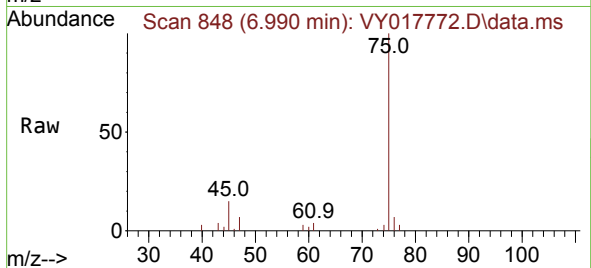




#25
2-Butanone
Concen: 10.050 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.019 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

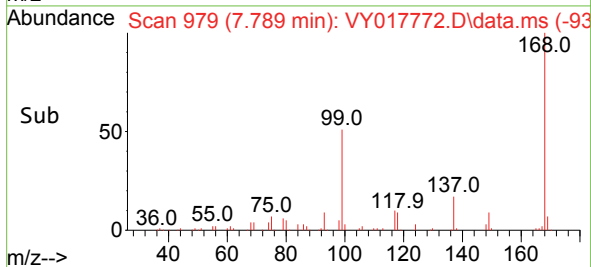
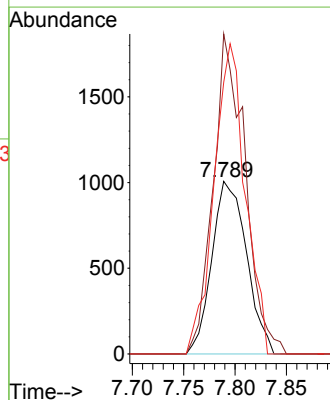
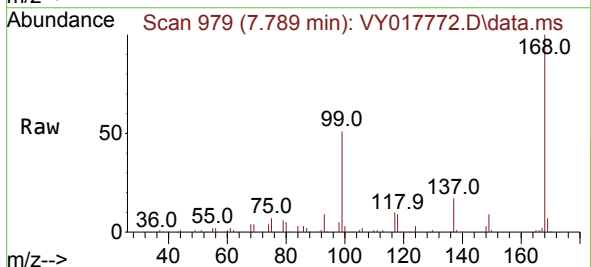
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

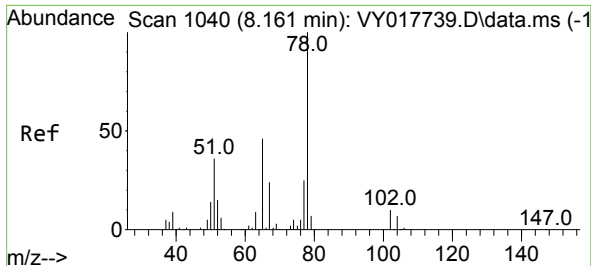
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.018 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

Tgt Ion: 56 Resp: 2365
Ion Ratio Lower Upper
56 100
69 185.4 28.7 43.1#
84 157.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 62.514 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

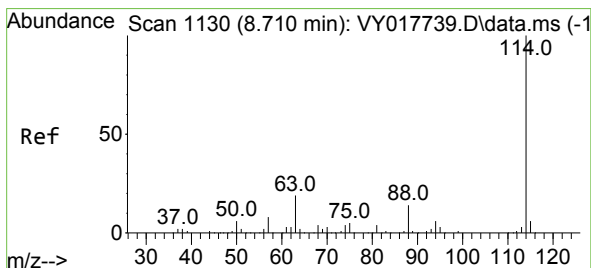
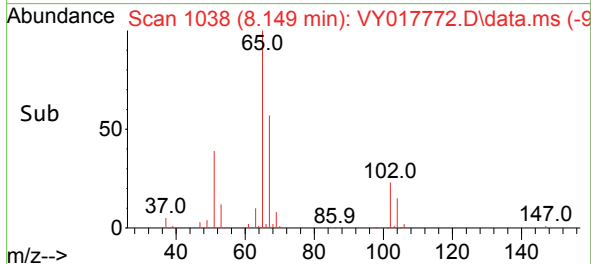
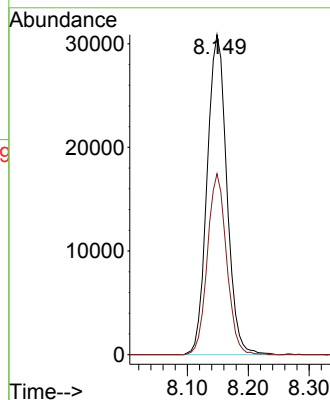
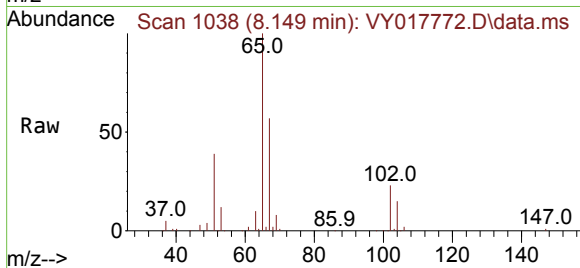
SOIL-1

Tgt Ion: 65 Resp: 69247

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

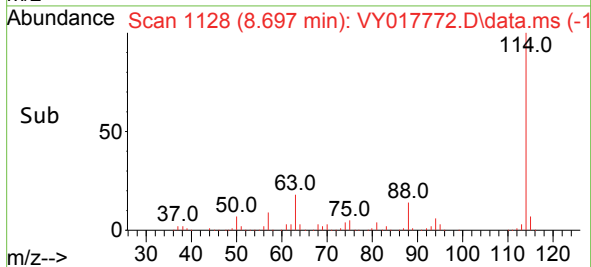
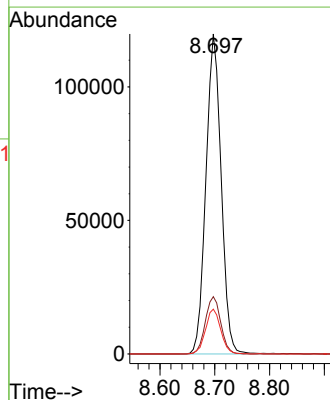
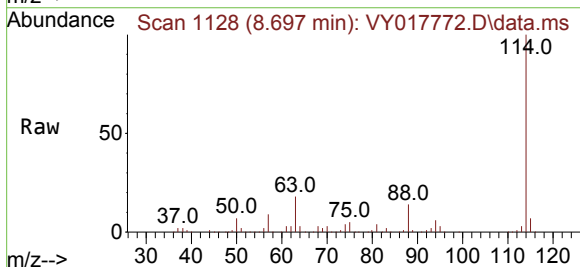
Tgt Ion: 114 Resp: 230544

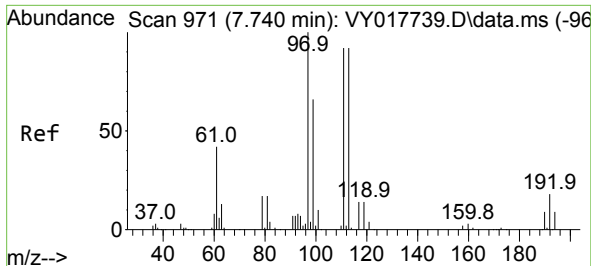
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 14.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.577 ug/l

RT: 7.728 min Scan# 90

Delta R.T. -0.012 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1

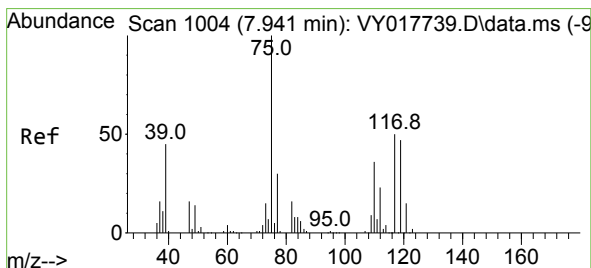
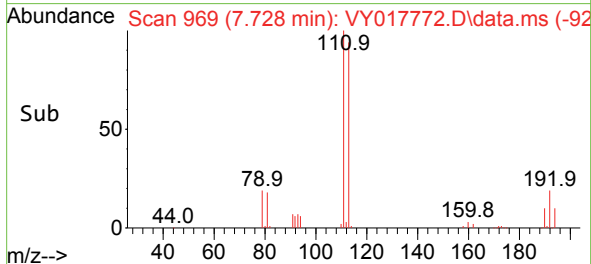
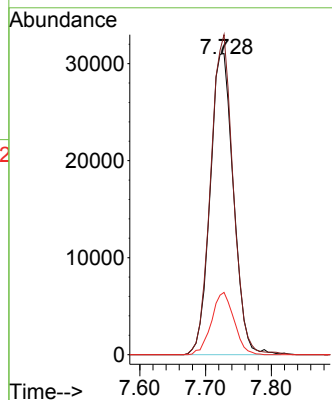
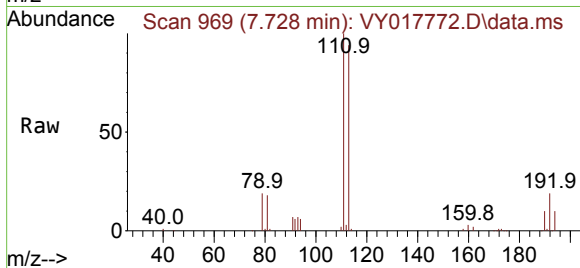
Tgt Ion:113 Resp: 76590

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 20.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.193 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

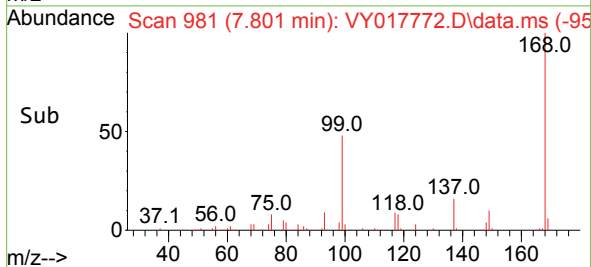
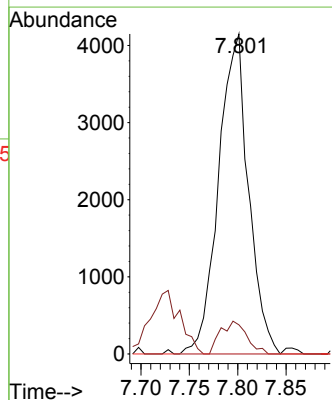
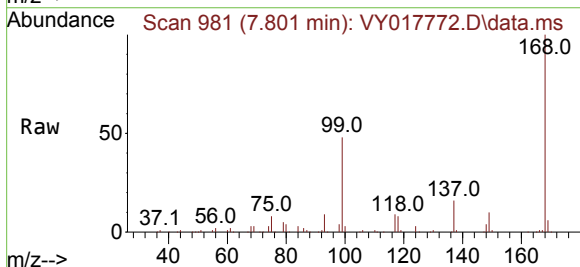
Tgt Ion: 75 Resp: 8926

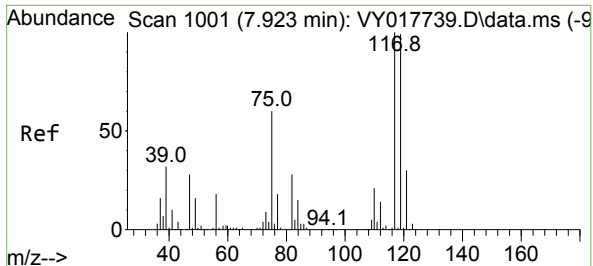
Ion Ratio Lower Upper

75 100

110 9.0 19.0 57.0#

77 0.0 25.3 37.9#

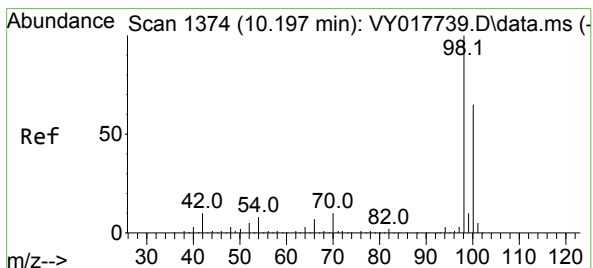
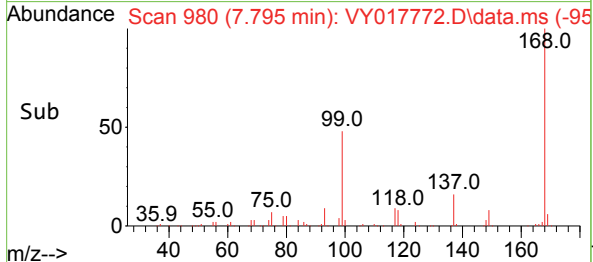
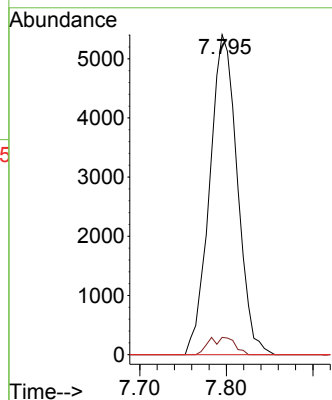
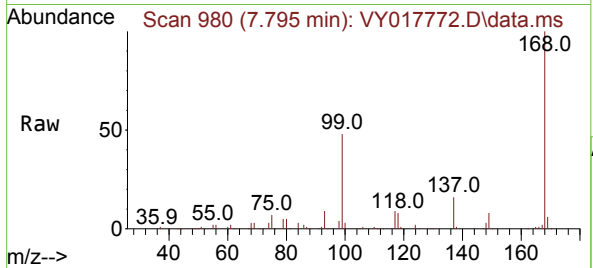




#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

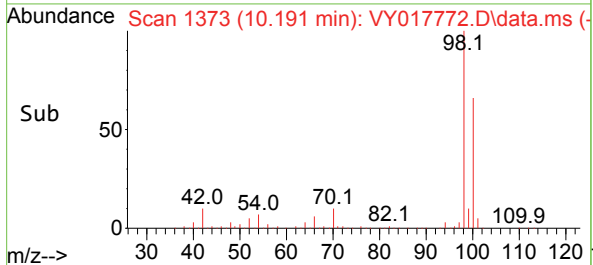
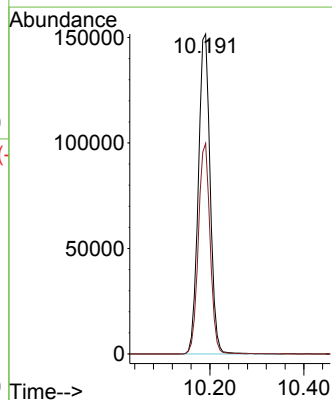
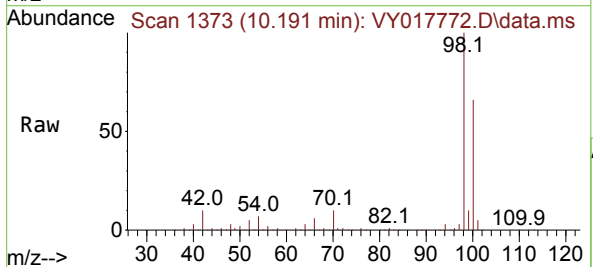
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

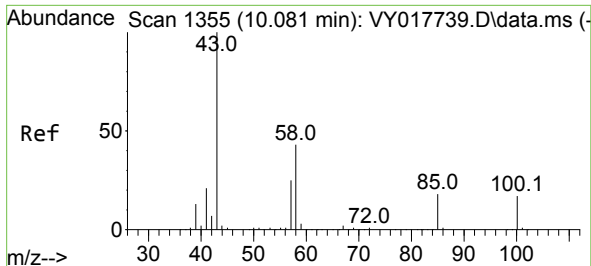
Tgt Ion:117 Resp: 12011
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.337 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.006 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

Tgt Ion: 98 Resp: 265491
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 6.189 ug/l

RT: 10.081 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

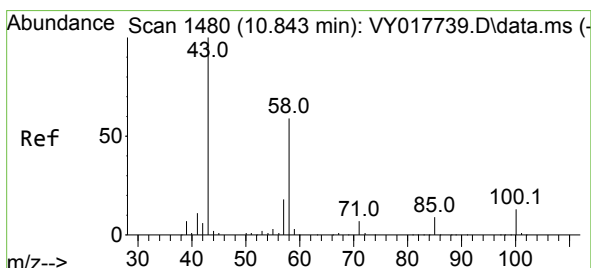
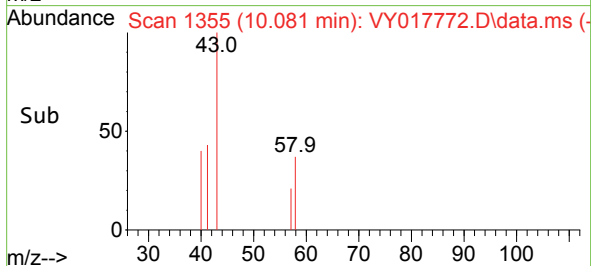
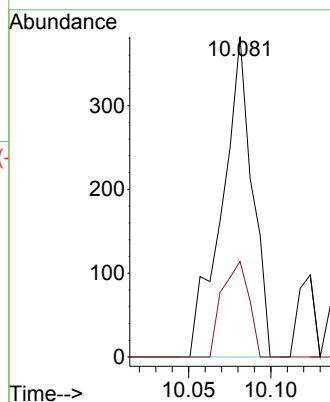
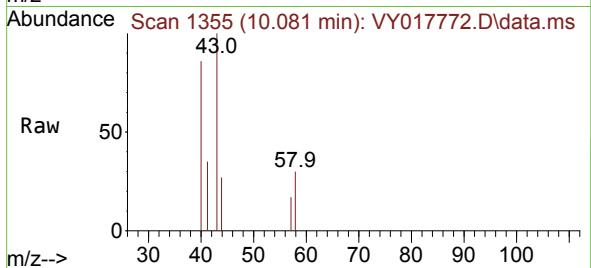
SOIL-1

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

58 26.4 35.7 53.5#



#59

2-Hexanone

Concen: 9.646 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.122 min

Lab File: VY017772.D

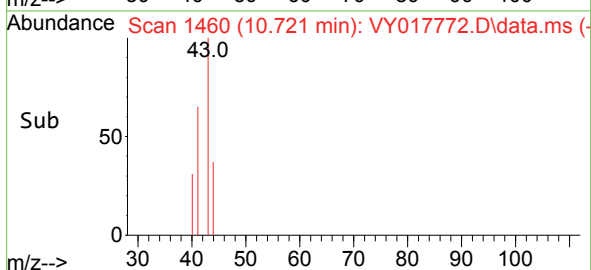
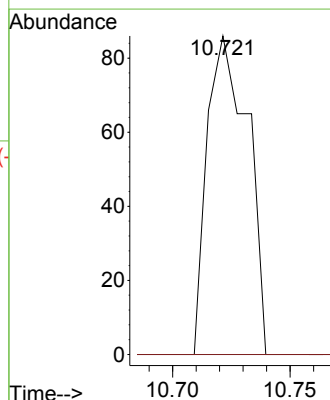
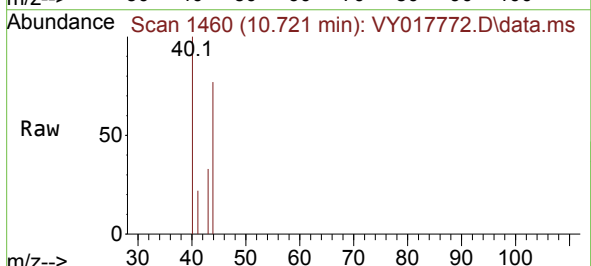
Acq: 26 Mar 2024 16:10

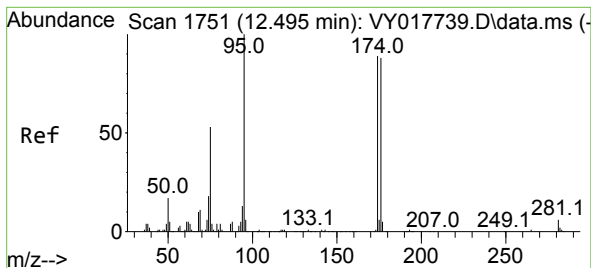
Tgt Ion: 43 Resp: 103

Ion Ratio Lower Upper

43 100

58 0.0 31.4 94.0#

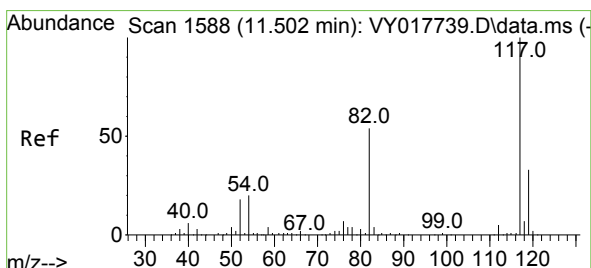
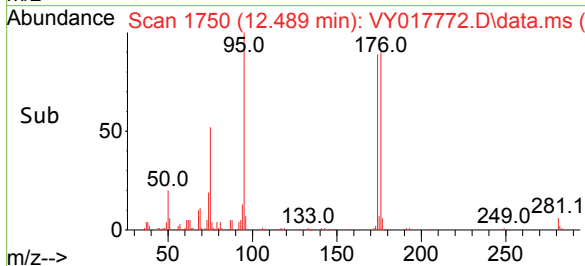
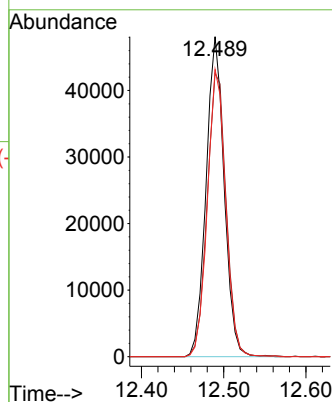
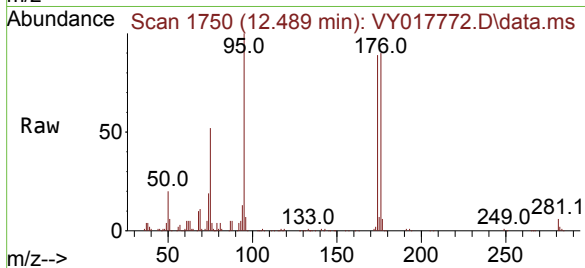




#62
4-Bromofluorobenzene
Concen: 46.357 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

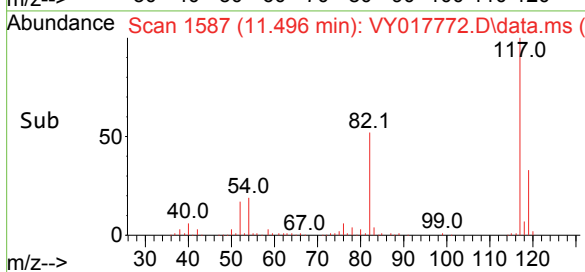
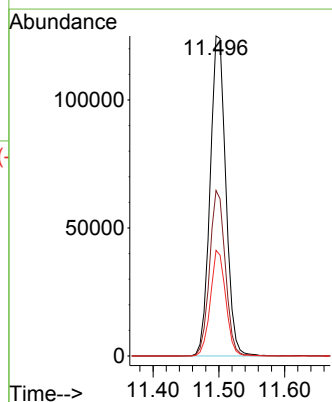
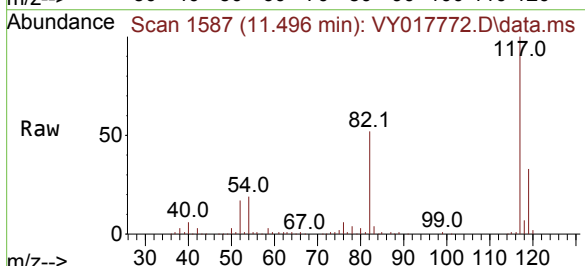
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

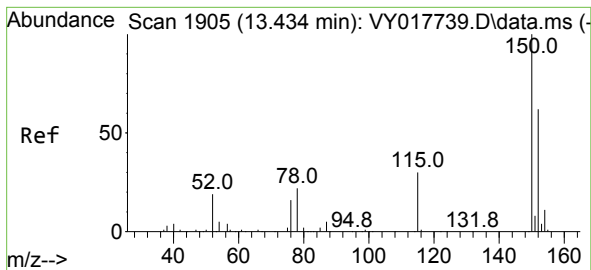
Tgt Ion: 95 Resp: 73419
Ion Ratio Lower Upper
95 100
174 93.0 0.0 175.6
176 90.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

Tgt Ion: 117 Resp: 207703
Ion Ratio Lower Upper
117 100
82 51.7 42.4 63.6
119 33.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017772.D

Acq: 26 Mar 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-1

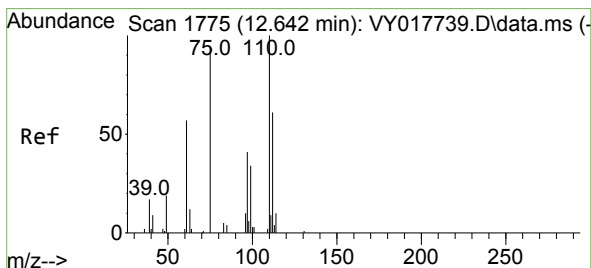
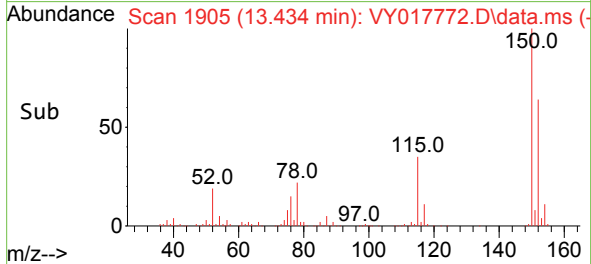
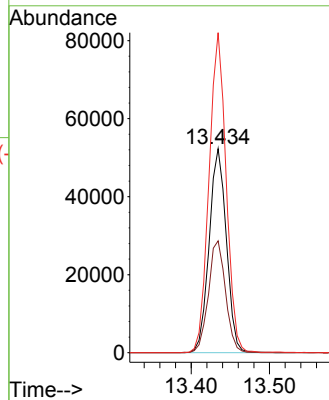
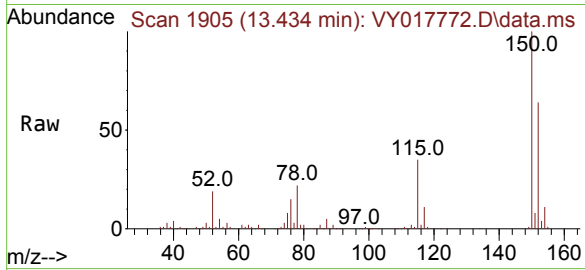
Tgt Ion:152 Resp: 79740

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 155.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 52.169 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017772.D

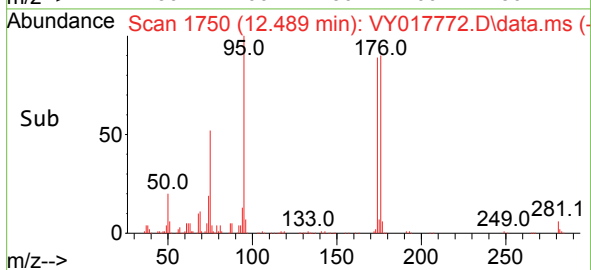
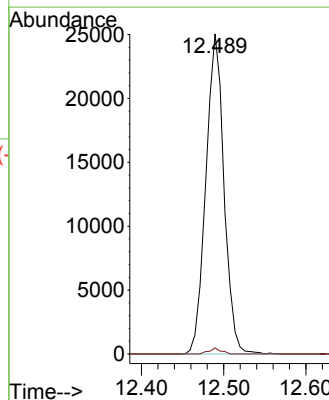
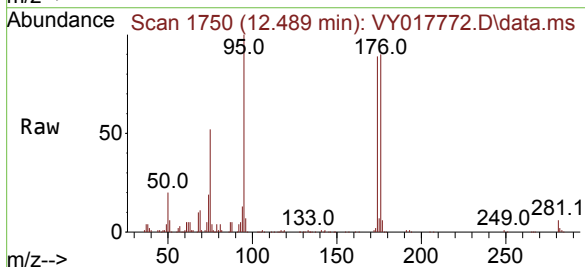
Acq: 26 Mar 2024 16:10

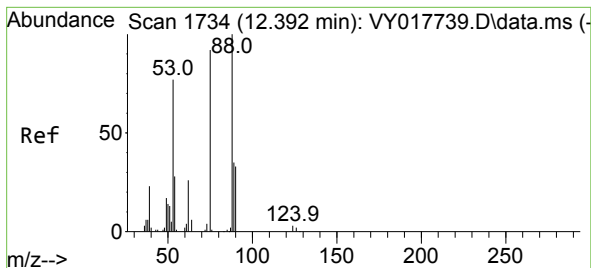
Tgt Ion: 75 Resp: 38415

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

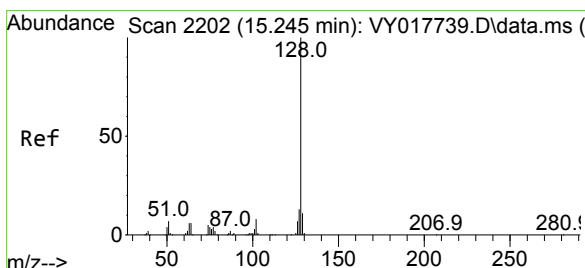
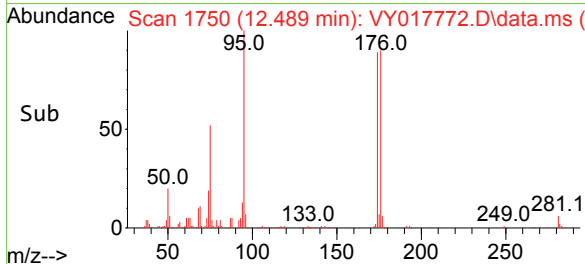
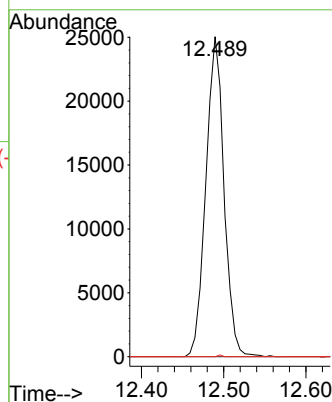
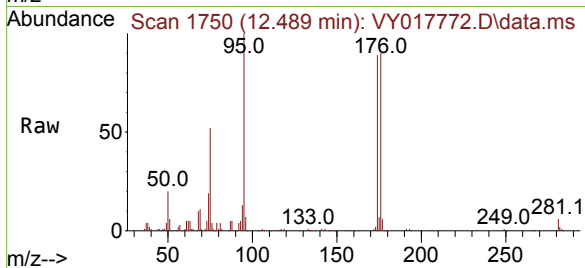




#81
trans-1,4-Dichloro-2-butene
Concen: 120.548 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.098 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-1

Tgt Ion: 75 Resp: 38415
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 2.649 ug/l
RT: 15.324 min Scan# 2215
Delta R.T. 0.079 min
Lab File: VY017772.D
Acq: 26 Mar 2024 16:10

Tgt Ion: 128 Resp: 88
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

