

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017771.D
 Acq On : 26 Mar 2024 15:47
 Operator : SY/MD
 Sample : P1869-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-2

Quant Time: Mar 27 01:31:28 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)

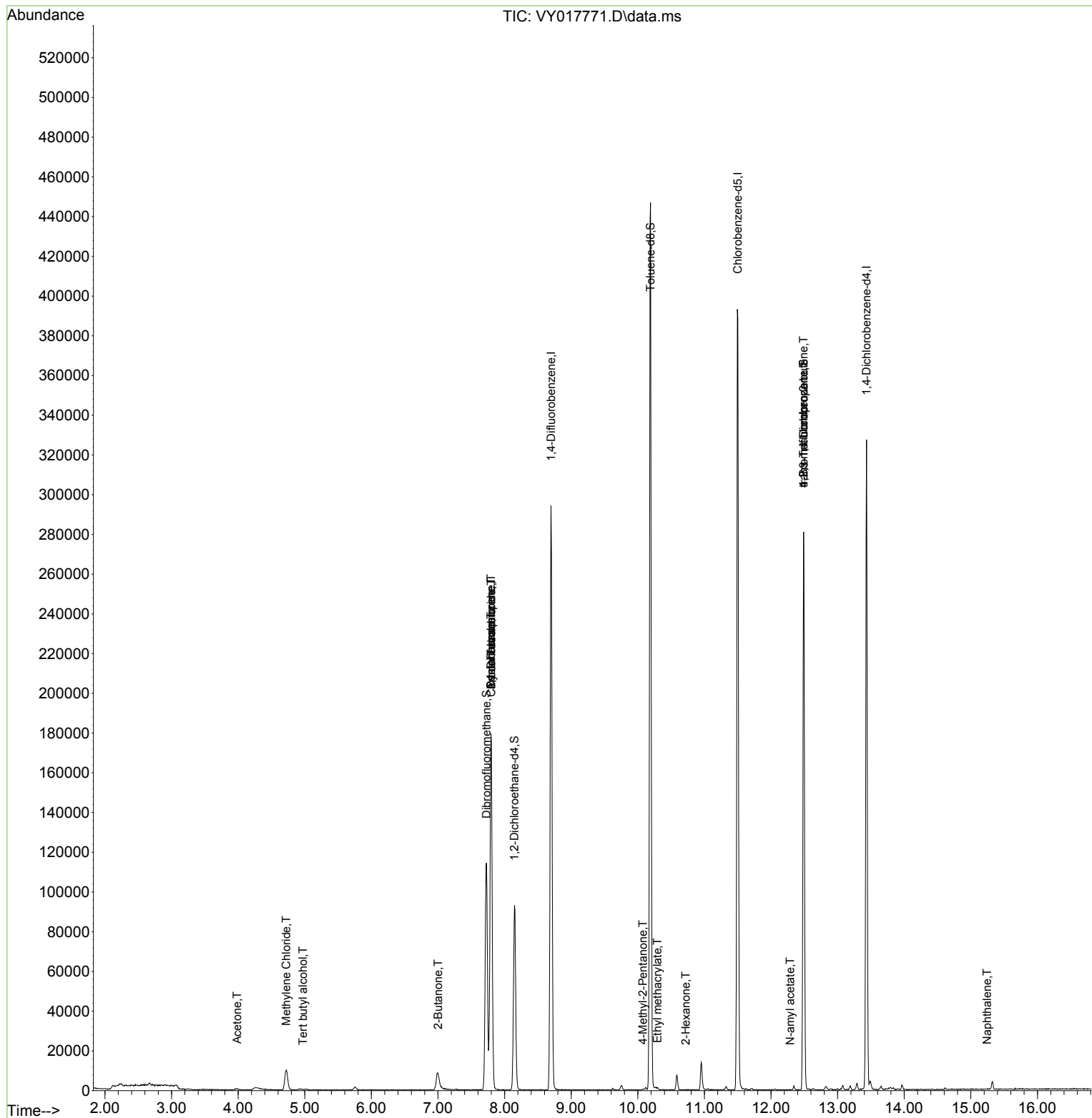
Internal Standards						
1) Pentafluorobenzene	7.795	168	146850	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	262374	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	228787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	73359	57.342	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.680%	
35) Dibromofluoromethane	7.728	113	83497	53.238	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.191	98	299290	49.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.489	95	80572	44.702	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	105	1.234	ug/l #	88
16) Acetone	3.985	43	1281	5.725	ug/l	92
20) Methylene Chloride	4.722	84	8040	4.940	ug/l	98
25) 2-Butanone	7.002	43	297	8.726	ug/l #	41
31) Cyclohexane	7.795	56	2801	1.107	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	10830	4.470	ug/l #	48
38) Carbon Tetrachloride	7.801	117	13247	5.221	ug/l #	19
51) 4-Methyl-2-Pentanone	10.075	43	432	6.067	ug/l	87
56) Ethyl methacrylate	10.294	69	52	1.327	ug/l #	1
59) 2-Hexanone	10.721	43	164	9.711	ug/l #	19
74) N-amyl acetate	12.288	43	41	2.344	ug/l #	37
76) 1,2,3-Trichloropropane	12.489	75	41600	52.685	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	41600	121.740	ug/l #	16
95) Naphthalene	15.245	128	142	2.669	ug/l #	69

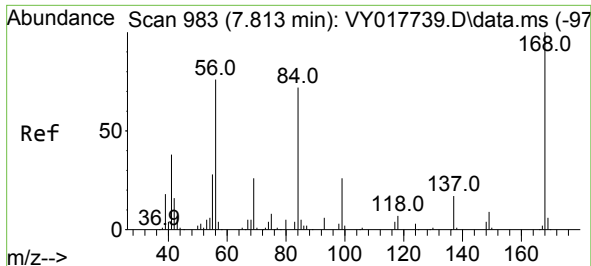
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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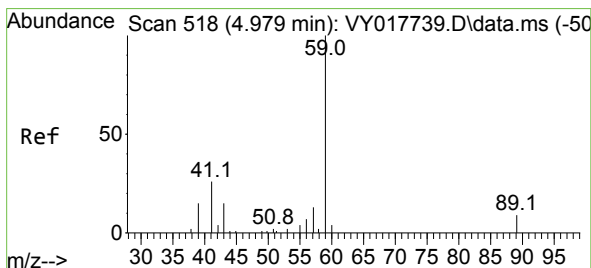
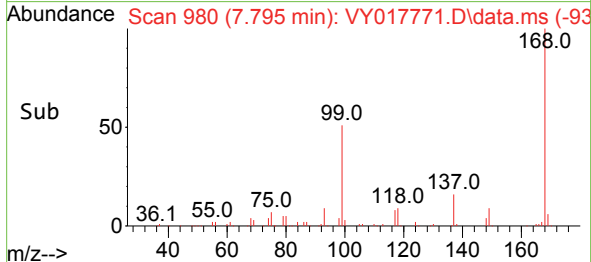
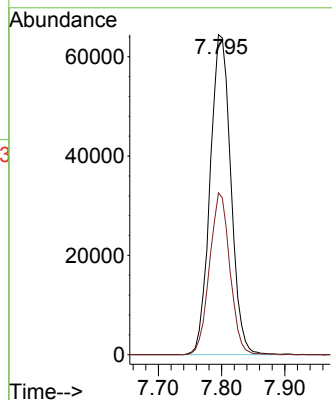
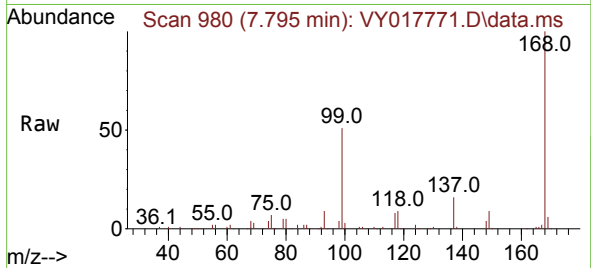




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

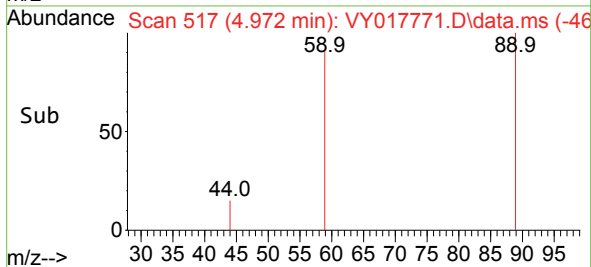
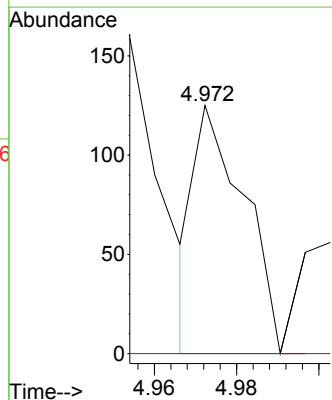
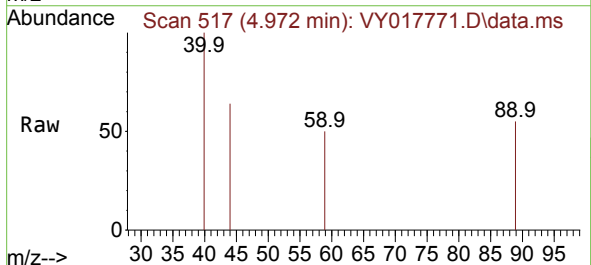
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

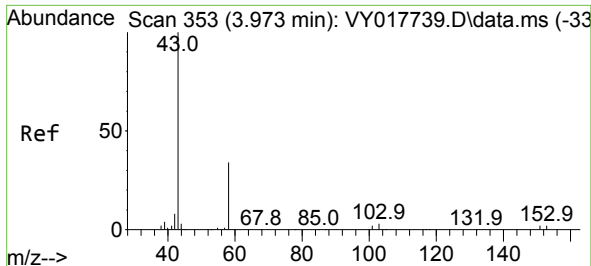
Tgt Ion:168 Resp: 146850
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.234 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion: 59 Resp: 105
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.725 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

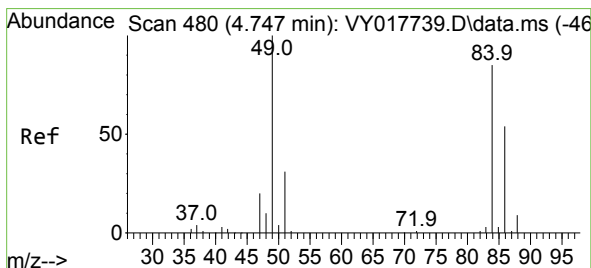
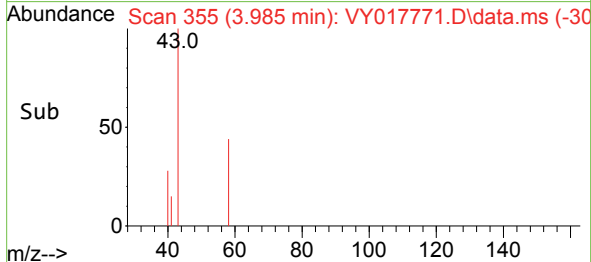
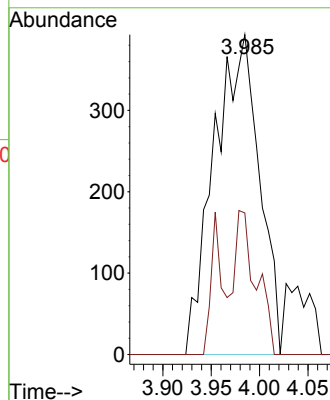
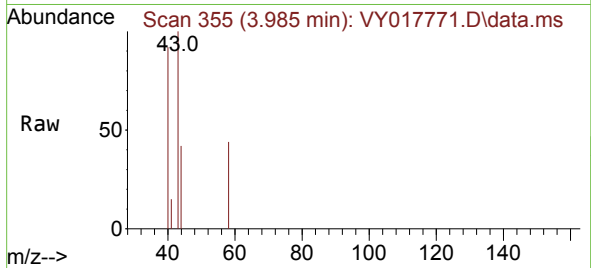
SOIL-2

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

58 44.3 31.7 47.5



#20

Methylene Chloride

Concen: 4.940 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.025 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Tgt Ion: 84 Resp: 8040

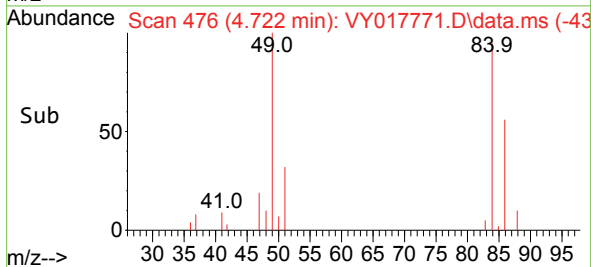
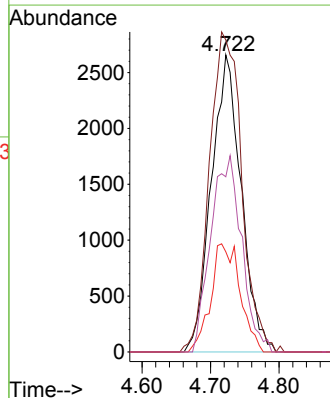
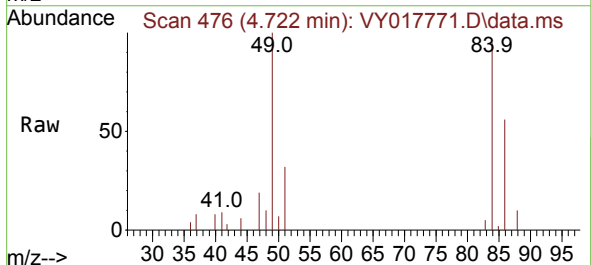
Ion Ratio Lower Upper

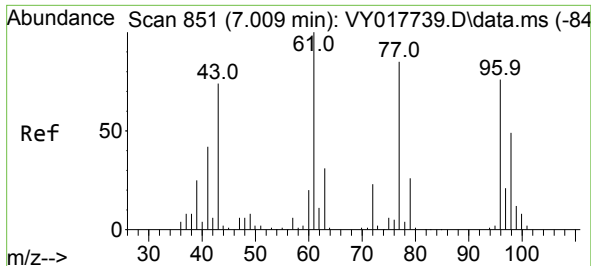
84 100

49 105.0 84.4 126.6

51 33.7 26.0 39.0

86 59.0 49.5 74.3





#25

2-Butanone

Concen: 8.726 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.007 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

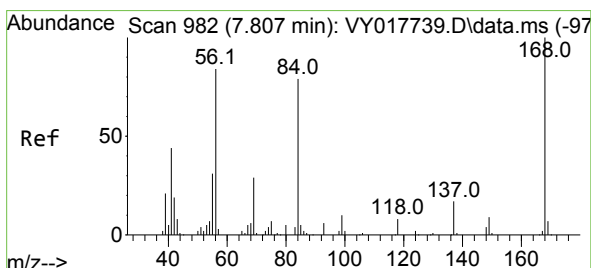
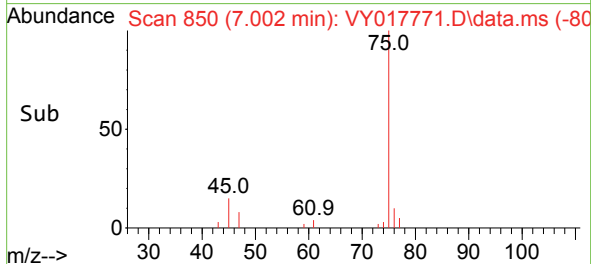
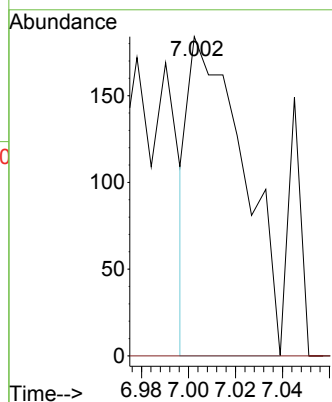
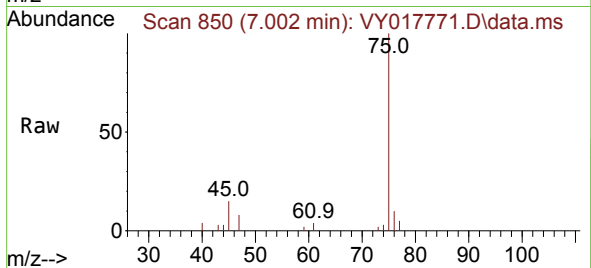
SOIL-2

Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.012 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

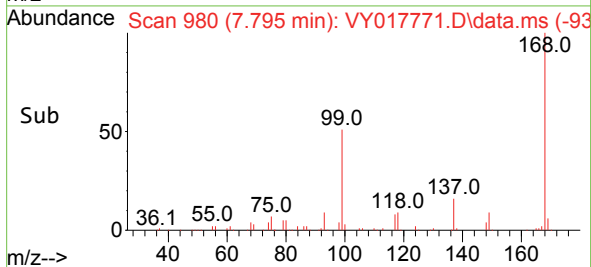
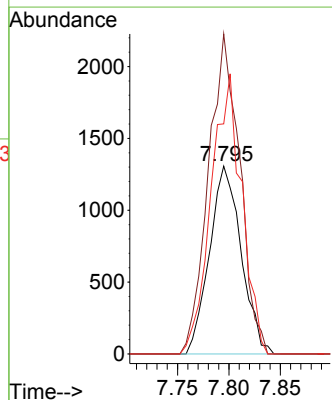
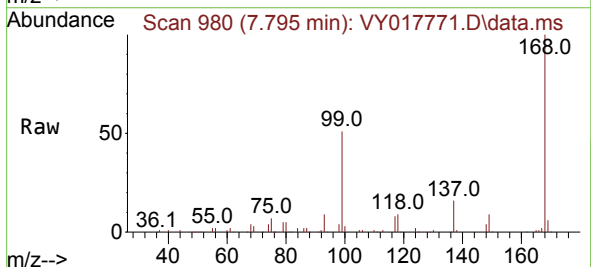
Tgt Ion: 56 Resp: 2801

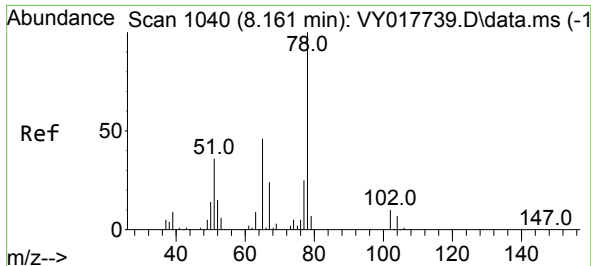
Ion Ratio Lower Upper

56 100

69 170.4 28.7 43.1#

84 122.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.342 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

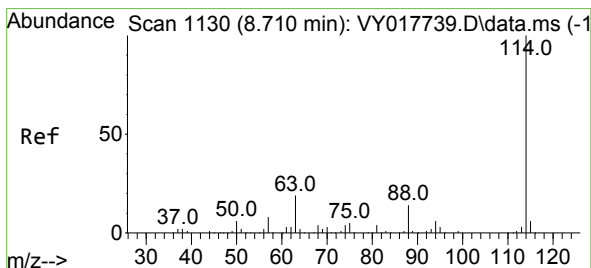
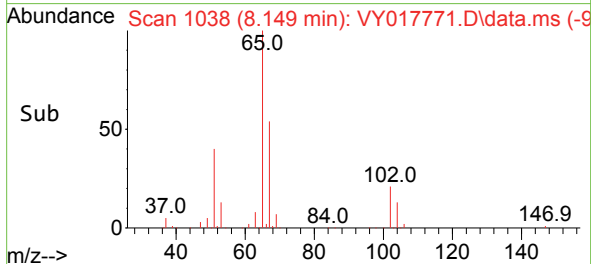
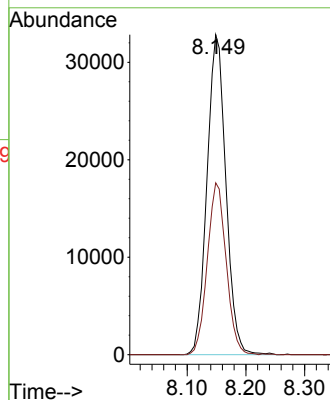
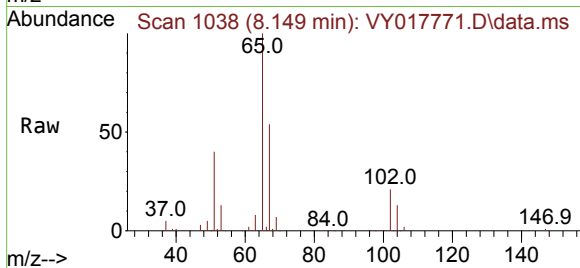
SOIL-2

Tgt Ion: 65 Resp: 73359

Ion Ratio Lower Upper

65 100

67 53.6 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: VY017771.D

Acq: 26 Mar 2024 15:47

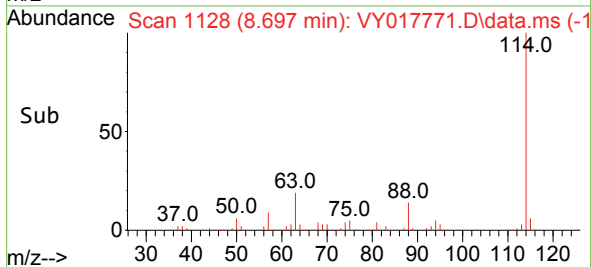
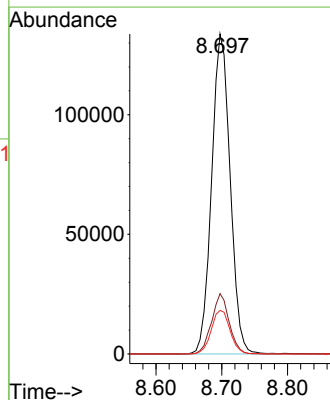
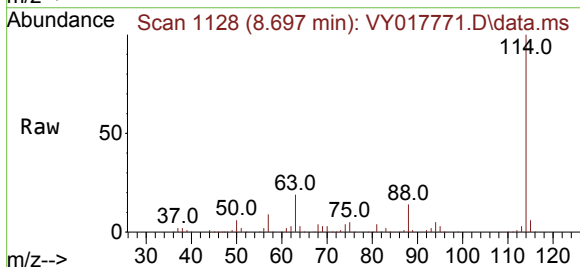
Tgt Ion: 114 Resp: 262374

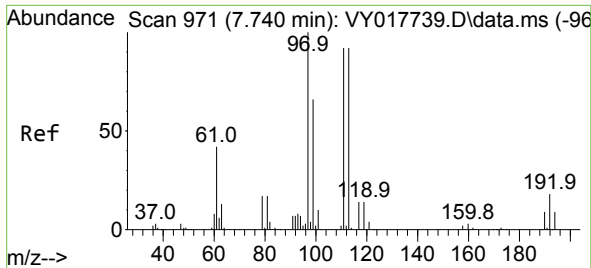
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 13.6 0.0 27.2

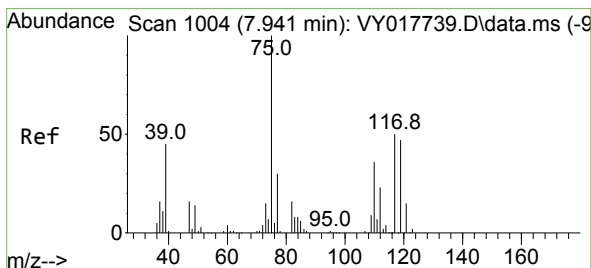
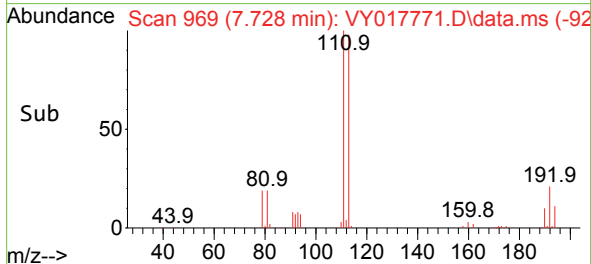
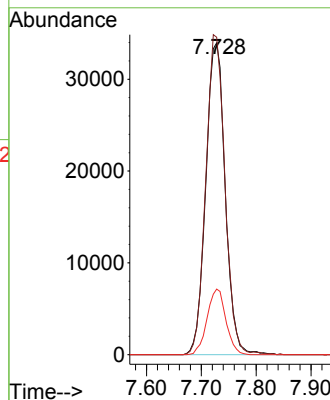
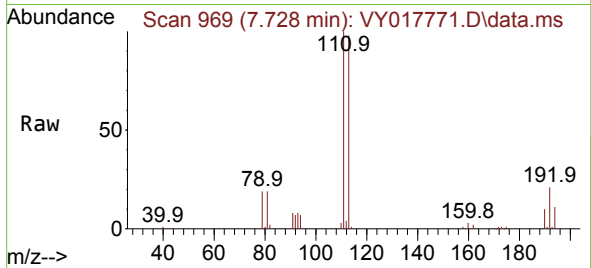




#35
Dibromofluoromethane
Concen: 53.238 ug/l
RT: 7.728 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

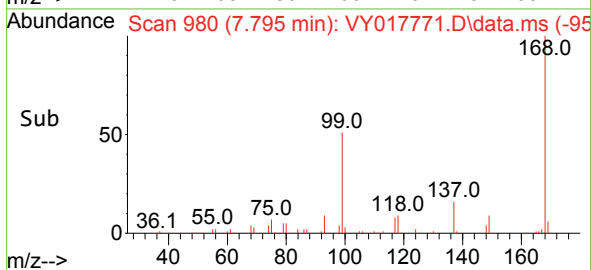
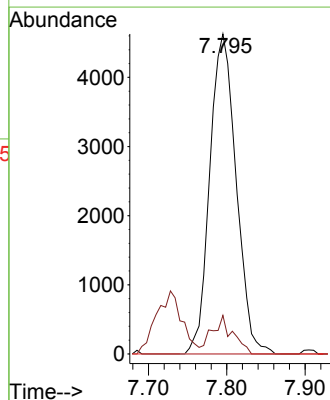
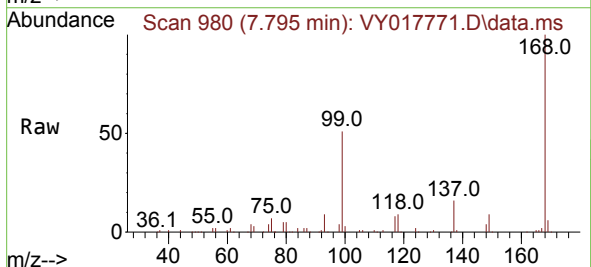
Instrument :
MSVOA_Y
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SOIL-2

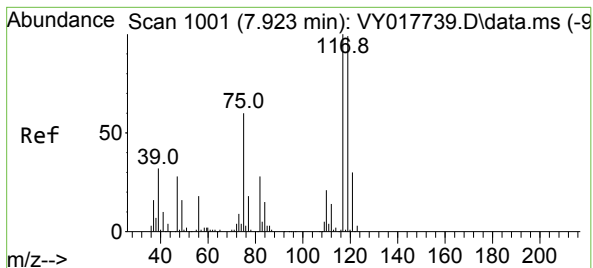
Tgt Ion:113 Resp: 83497
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 20.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.146 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion: 75 Resp: 10830
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.221 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-2

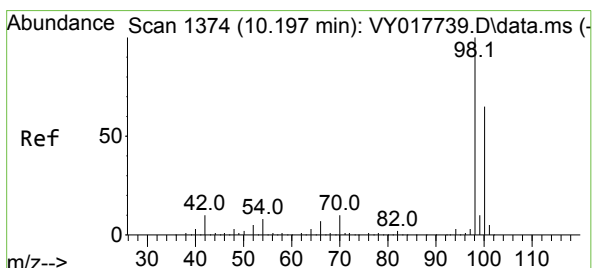
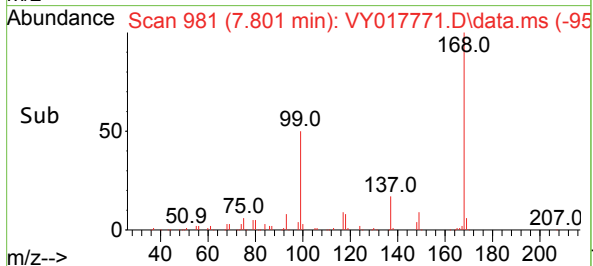
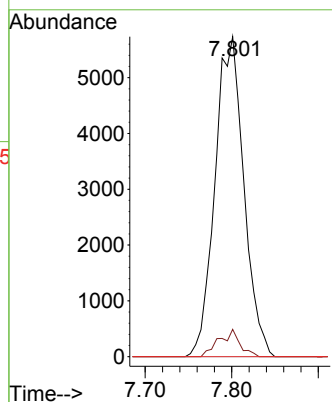
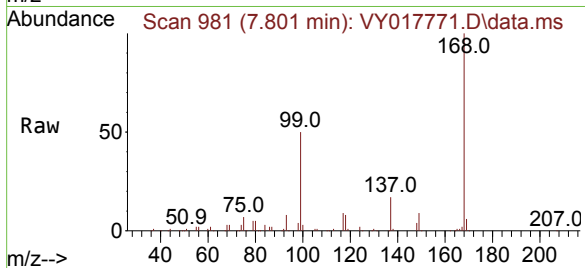
Tgt Ion:117 Resp: 13247

Ion Ratio Lower Upper

117 100

119 8.5 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 49.861 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.006 min

Lab File: VY017771.D

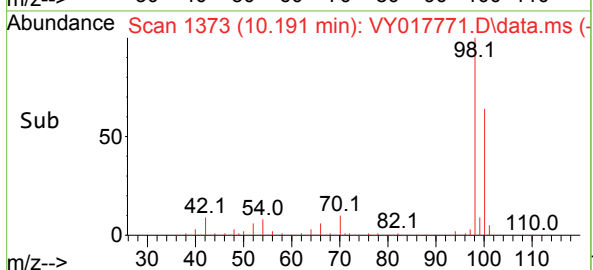
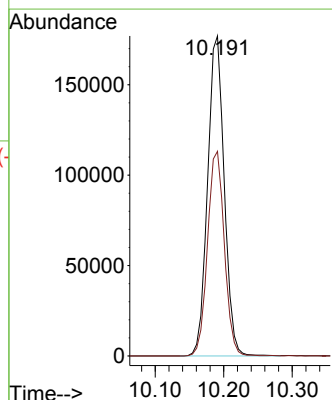
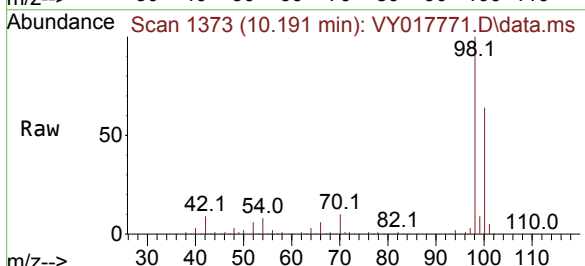
Acq: 26 Mar 2024 15:47

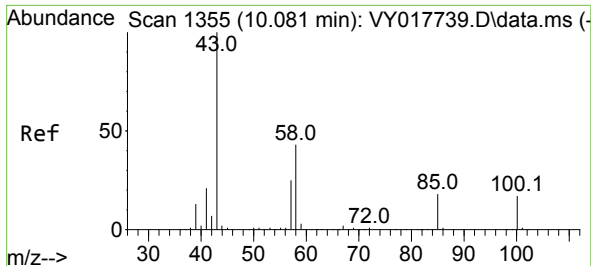
Tgt Ion: 98 Resp: 299290

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

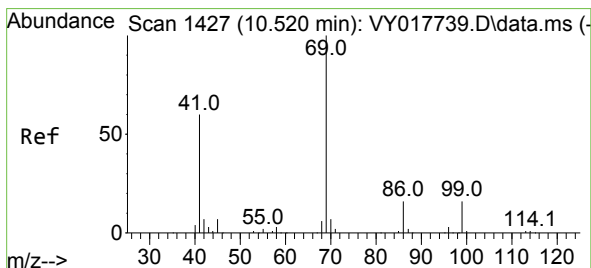
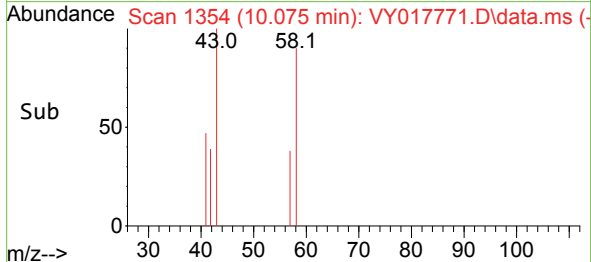
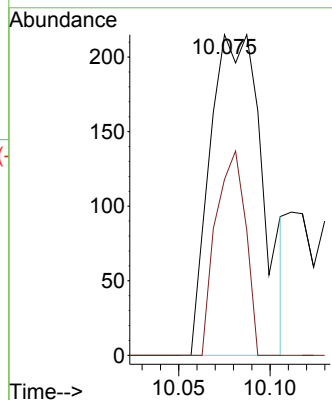
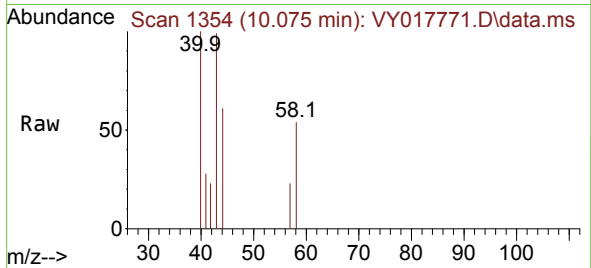




#51
4-Methyl-2-Pentanone
Concen: 6.067 ug/l
RT: 10.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

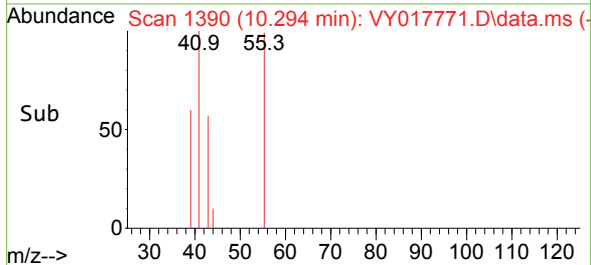
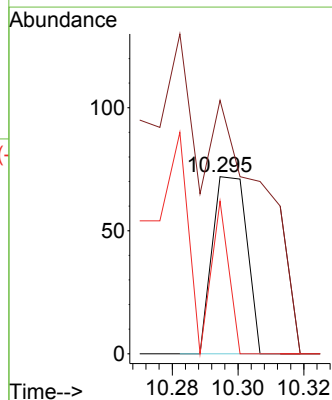
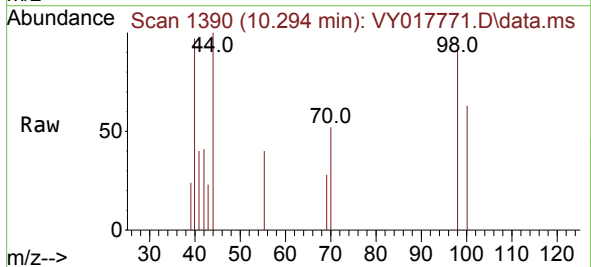
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

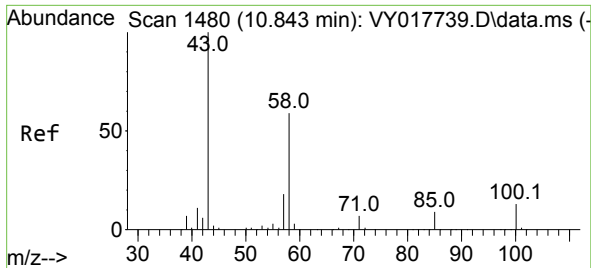
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 35.9 35.7 53.5



#56
Ethyl methacrylate
Concen: 1.327 ug/l
RT: 10.294 min Scan# 1390
Delta R.T. -0.226 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion: 69 Resp: 52
Ion Ratio Lower Upper
69 100
41 482.7 42.3 63.5#
39 182.7 22.9 34.3#

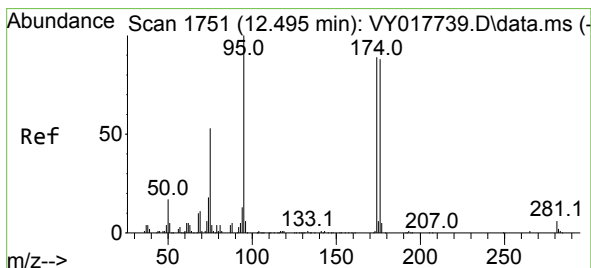
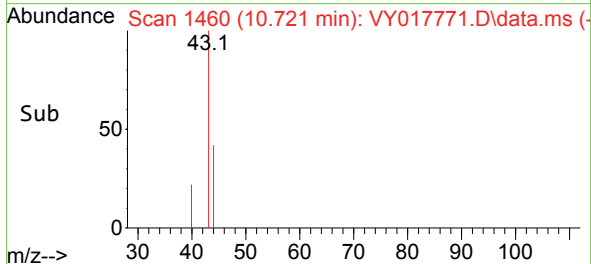
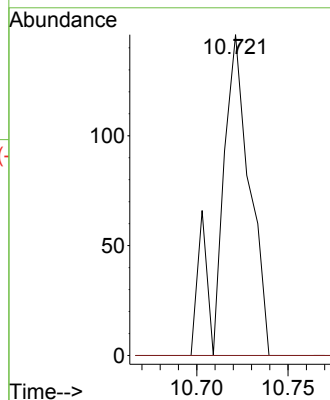
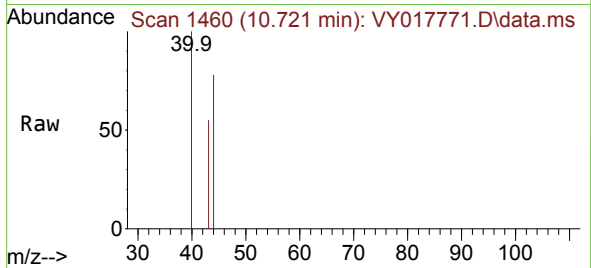




#59
2-Hexanone
Concen: 9.711 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.122 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

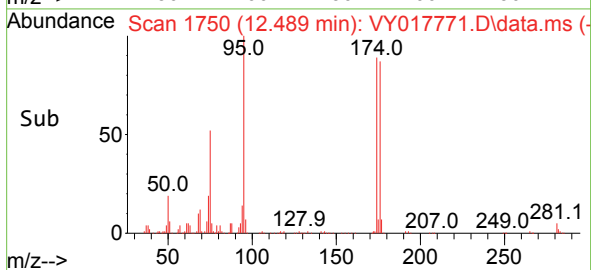
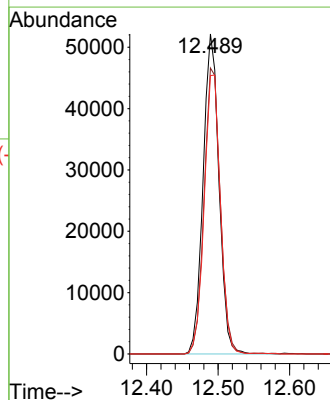
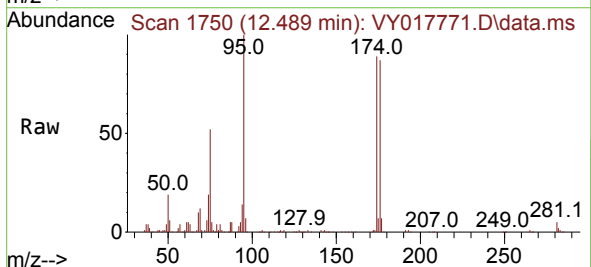
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

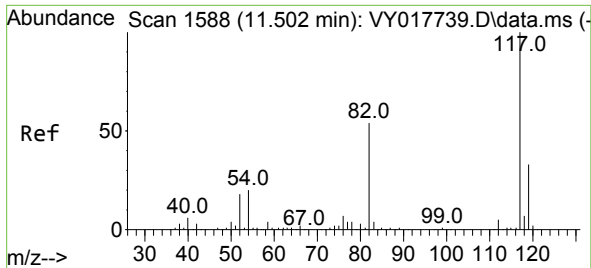
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 44.702 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion: 95 Resp: 80572
Ion Ratio Lower Upper
95 100
174 90.9 0.0 175.6
176 88.9 0.0 171.4

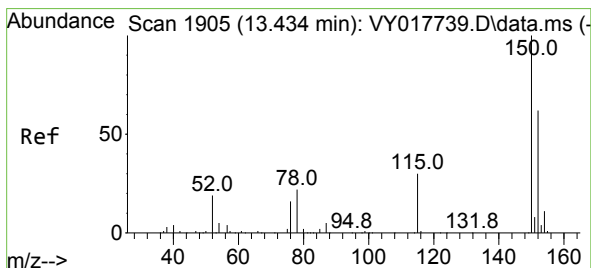
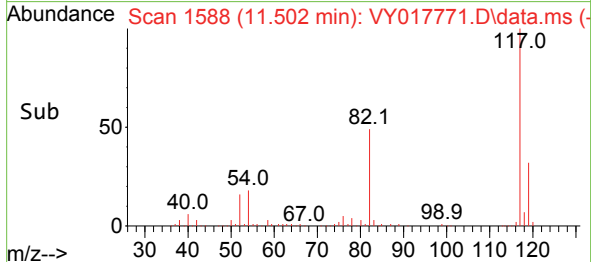
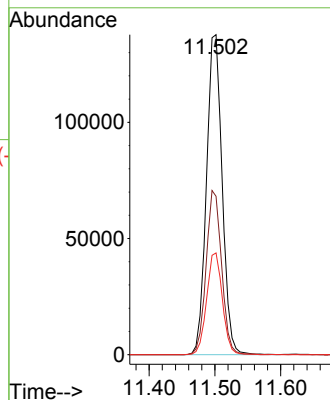
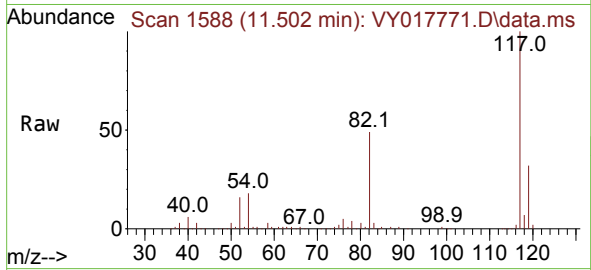




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

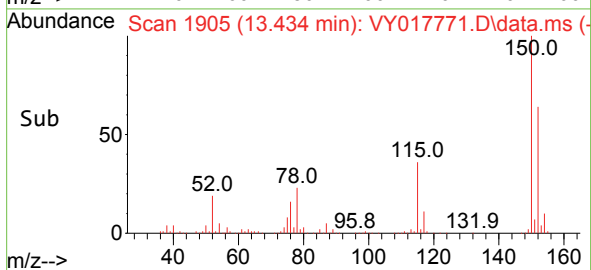
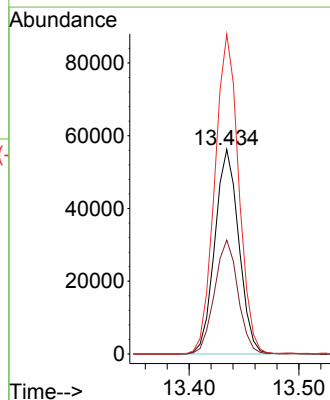
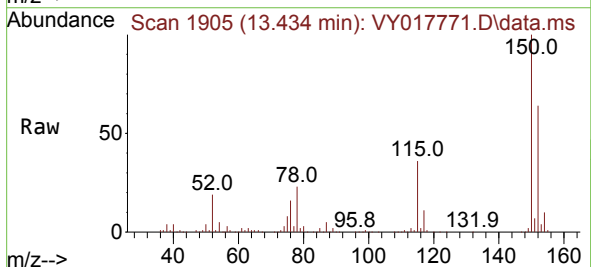
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

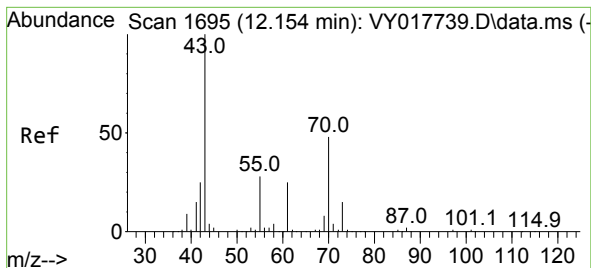
Tgt Ion:117 Resp: 228787
Ion Ratio Lower Upper
117 100
82 49.5 42.4 63.6
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion:152 Resp: 85506
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 156.3 0.0 345.6





#74

N-amy1 acetate

Concen: 2.344 ug/l

RT: 12.288 min Scan# 1

Delta R.T. 0.134 min

Lab File: VY017771.D

Acq: 26 Mar 2024 15:47

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-2

Tgt Ion: 43 Resp: 41

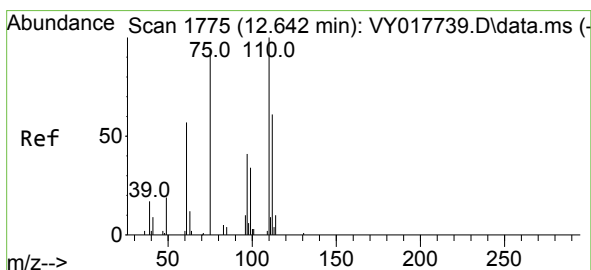
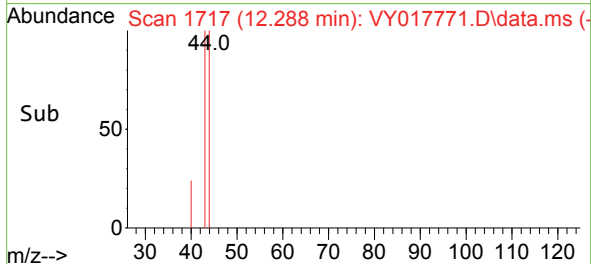
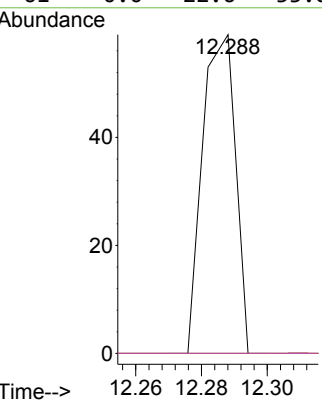
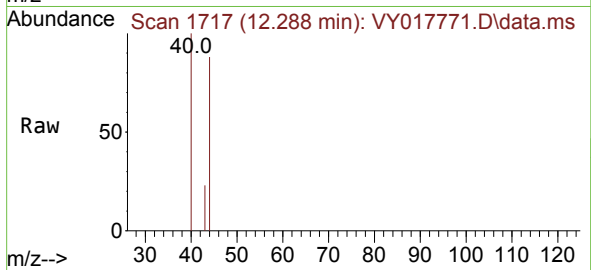
Ion Ratio Lower Upper

43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 52.685 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY017771.D

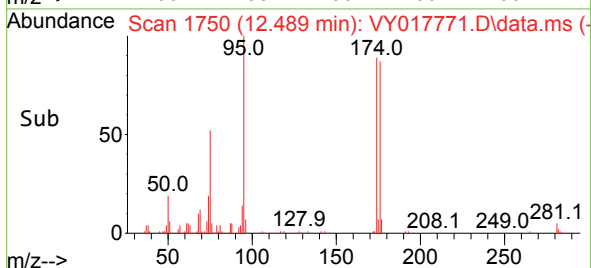
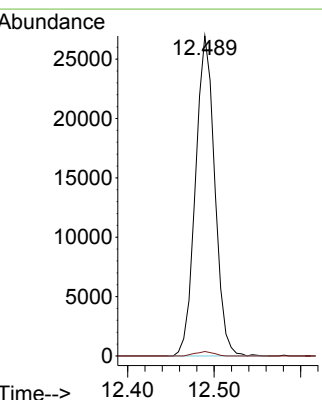
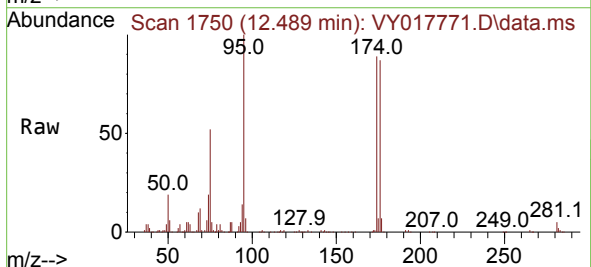
Acq: 26 Mar 2024 15:47

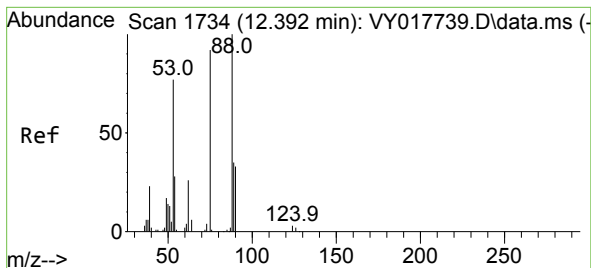
Tgt Ion: 75 Resp: 41600

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

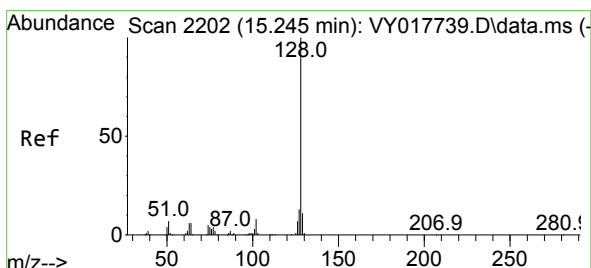
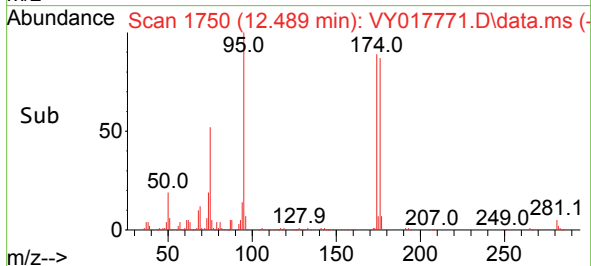
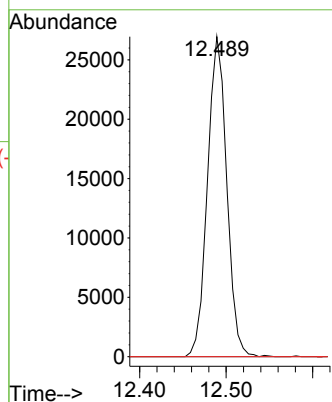
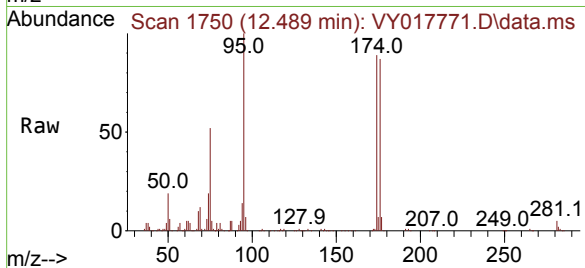




#81
trans-1,4-Dichloro-2-butene
Concen: 121.740 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.097 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-2

Tgt Ion: 75 Resp: 41600
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 2.669 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017771.D
Acq: 26 Mar 2024 15:47

Tgt Ion:128 Resp: 142
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

