

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017979.D
 Acq On : 18 Apr 2024 16:26
 Operator : SY/MD
 Sample : P2151-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL

Quant Time: Apr 19 02:02:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

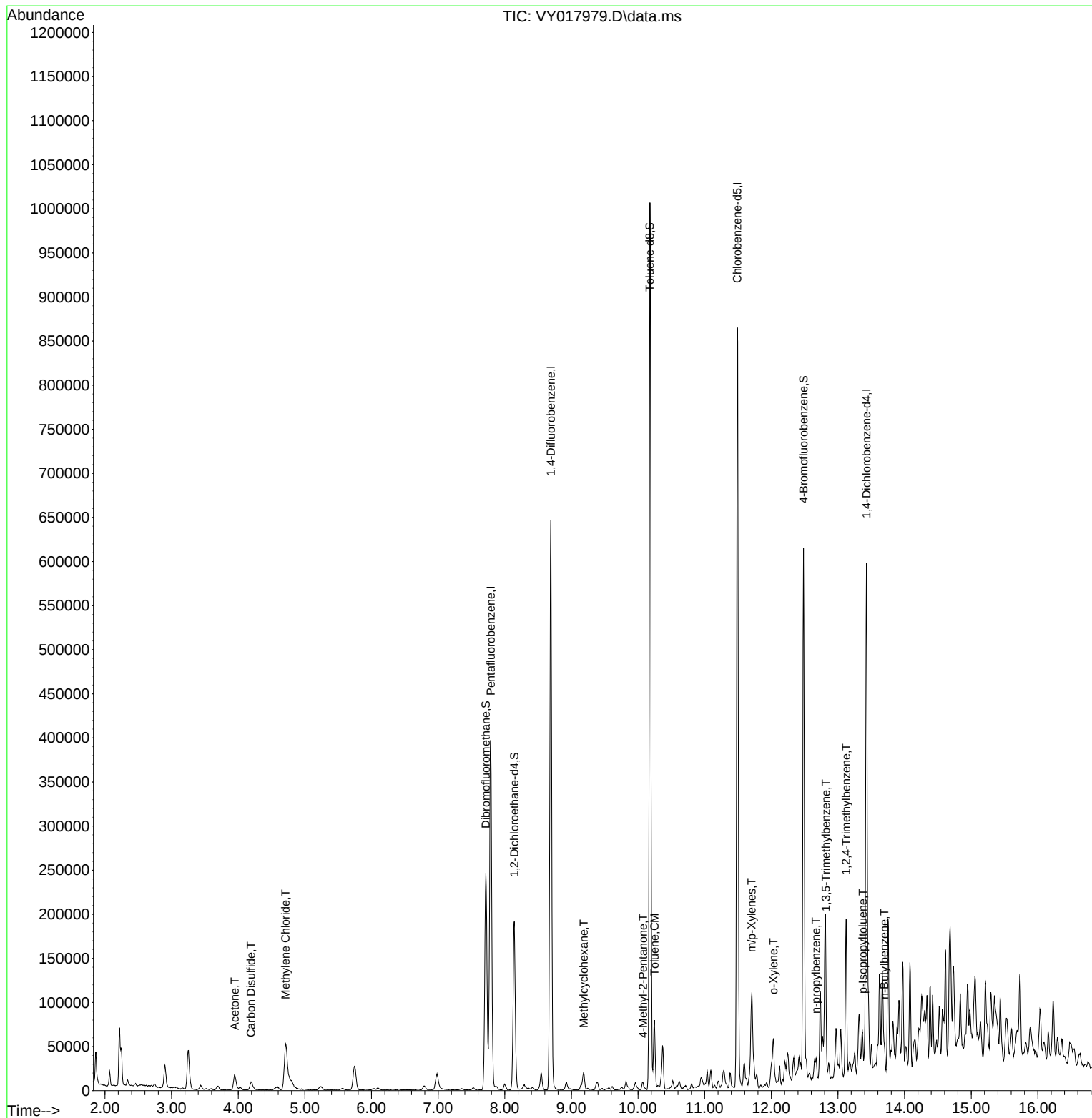
Internal Standards						
1) Pentafluorobenzene	7.789	168	333886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	590655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	514895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	142234	49.227	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.460%
35) Dibromofluoromethane	7.716	113	179443	49.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.179	98	671557	48.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.483	95	178084	41.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.180%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	28431	49.800	ug/l	99
17) Carbon Disulfide	4.192	76	13261	1.237	ug/l #	95
20) Methylene Chloride	4.710	84	43340	11.205	ug/l	93
39) Methylcyclohexane	9.185	83	7534	1.091	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	5168	2.399	ug/l	98
52) Toluene	10.246	92	32079	3.149	ug/l	99
68) m/p-Xylenes	11.703	106	24298	3.329	ug/l	99
69) o-Xylene	12.032	106	12644	1.855	ug/l	99
78) n-propylbenzene	12.672	91	18862	1.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	35762	3.922	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	93827	10.332	ug/l	98
86) p-Isopropyltoluene	13.373	119	12837	1.249	ug/l	96
89) n-Butylbenzene	13.696	91	13631m	1.409	ug/l	

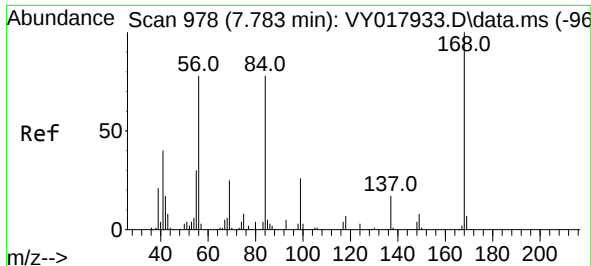
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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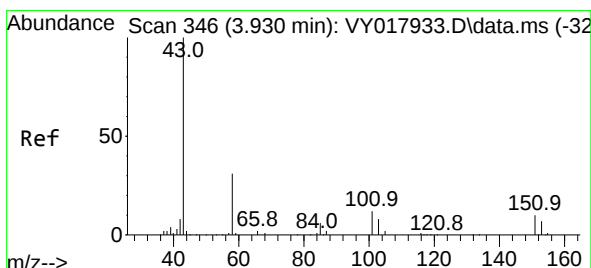
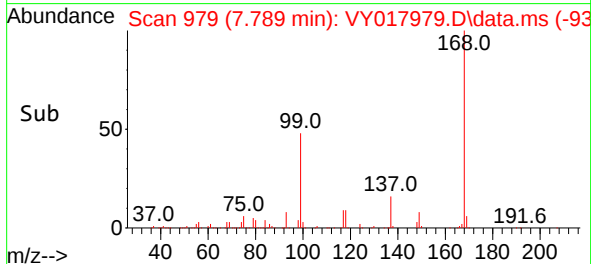
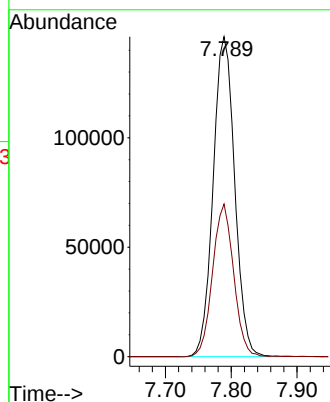
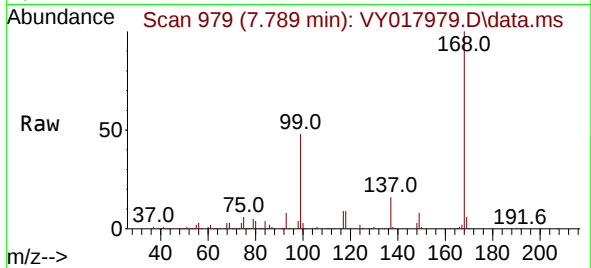




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

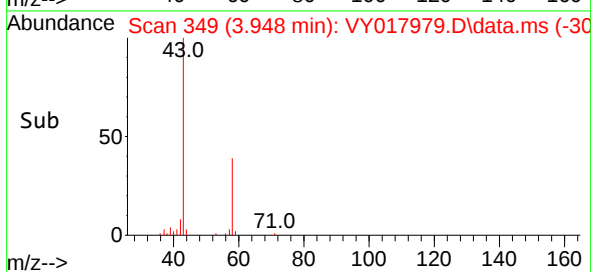
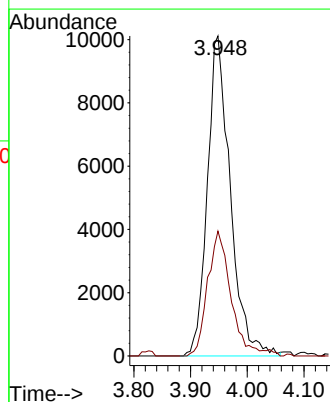
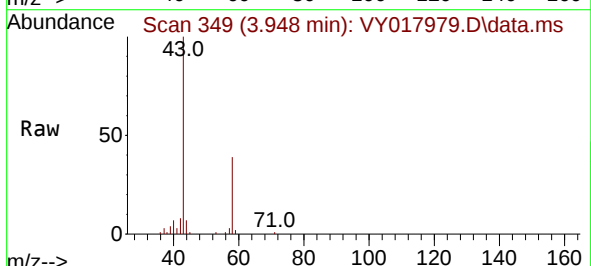
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

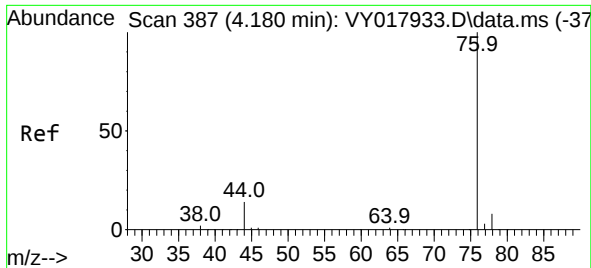
Tgt Ion:168 Resp: 333886
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#16
Acetone
Concen: 49.800 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

Tgt Ion: 43 Resp: 28431
Ion Ratio Lower Upper
43 100
58 39.0 31.7 47.5





#17

Carbon Disulfide

Concen: 1.237 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

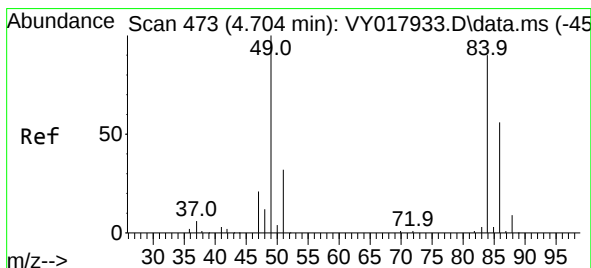
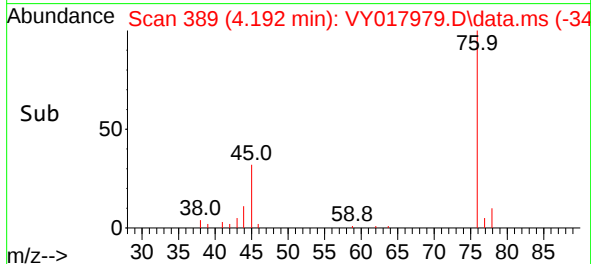
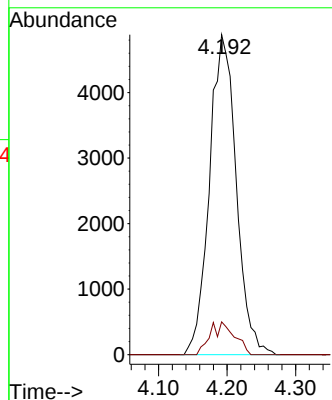
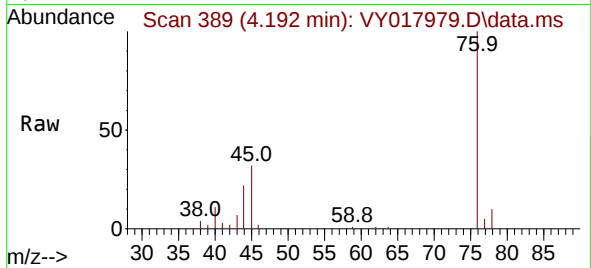
SOIL

Tgt Ion: 76 Resp: 13261

Ion Ratio Lower Upper

76 100

78 10.3 6.8 10.2#



#20

Methylene Chloride

Concen: 11.205 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Tgt Ion: 84 Resp: 43340

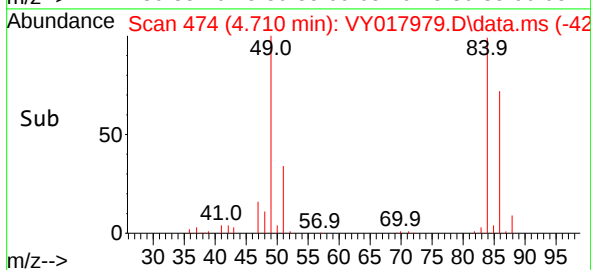
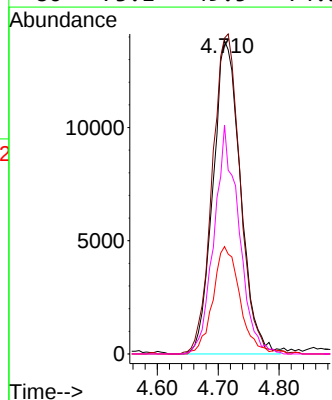
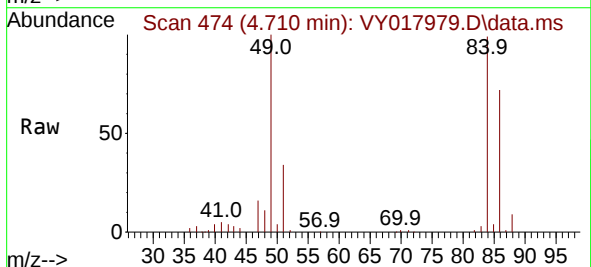
Ion Ratio Lower Upper

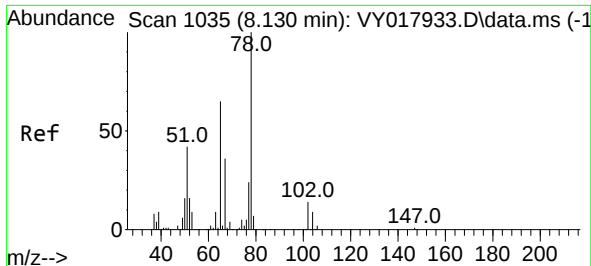
84 100

49 100.9 84.4 126.6

51 34.3 26.0 39.0

86 73.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 49.227 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

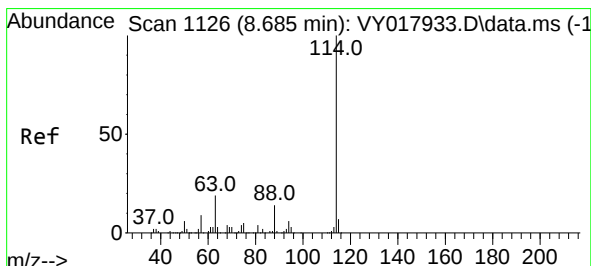
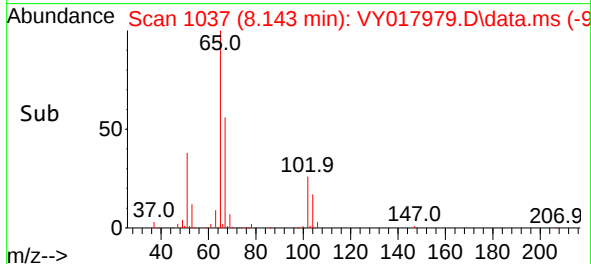
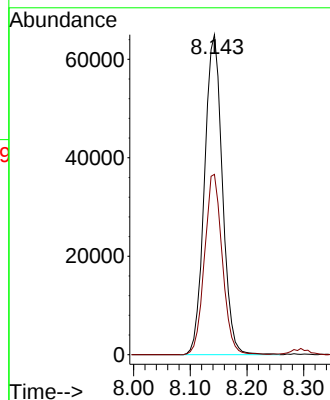
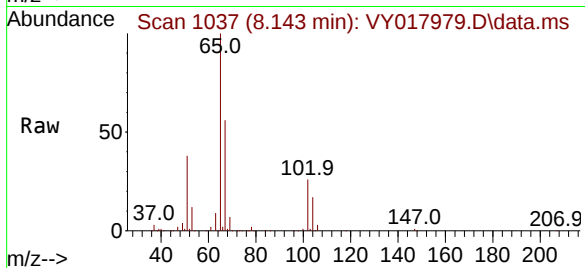
SOIL

Tgt Ion: 65 Resp: 142234

Ion Ratio Lower Upper

65 100

67 56.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

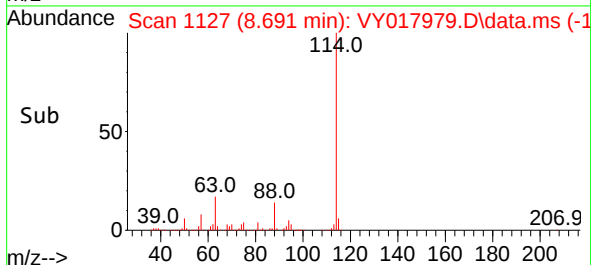
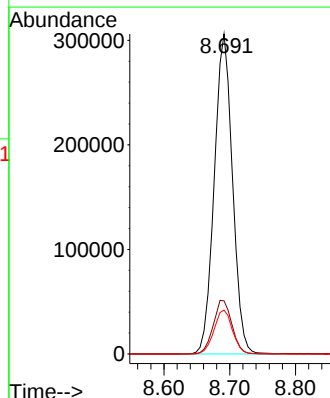
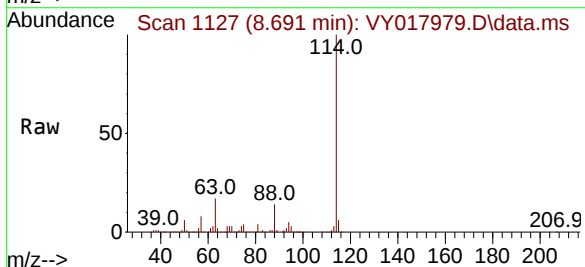
Tgt Ion:114 Resp: 590655

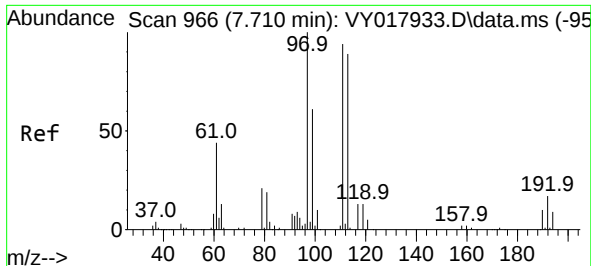
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 13.7 0.0 27.2

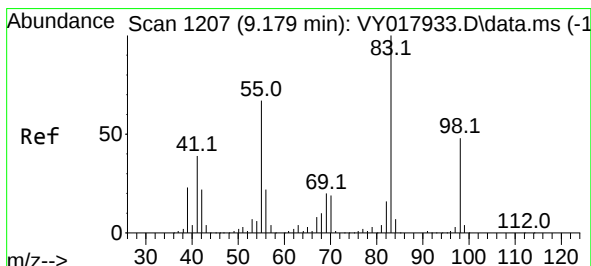
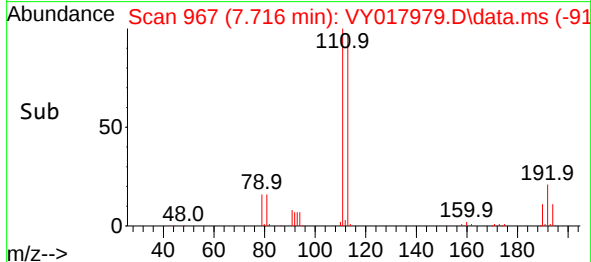
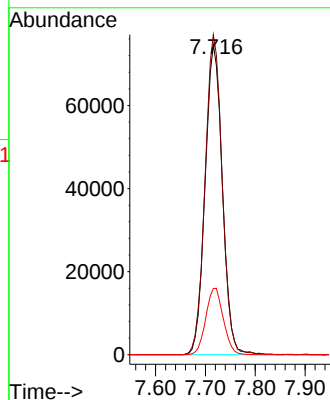
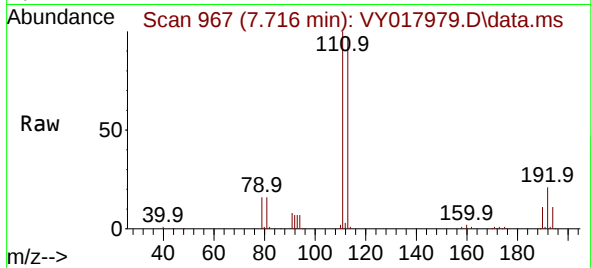




#35
Dibromofluoromethane
Concen: 49.244 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

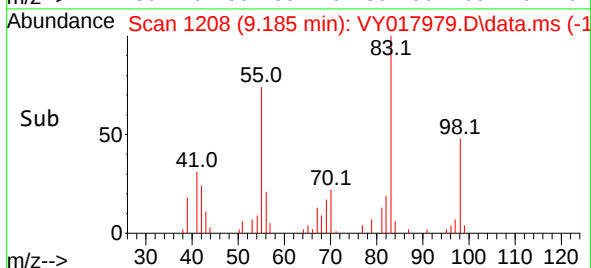
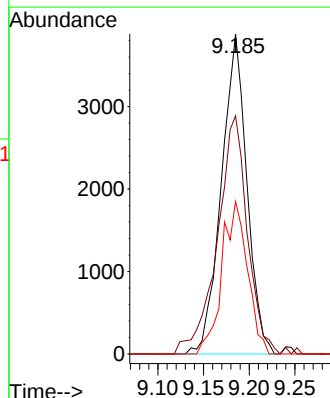
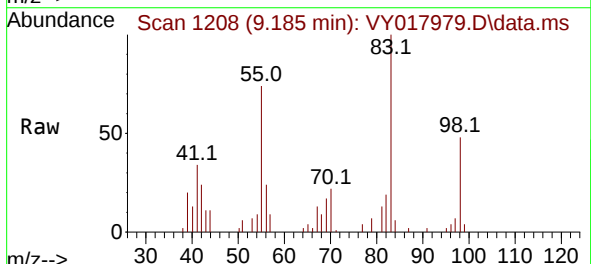
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

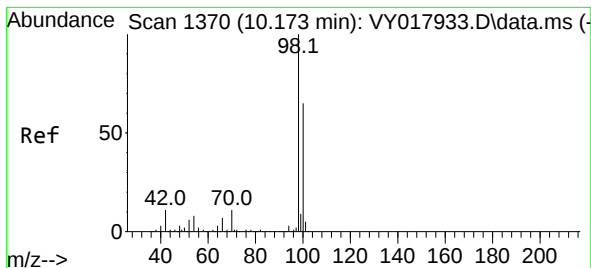
Tgt Ion:113 Resp: 179443
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 21.7 15.9 23.9



#39
Methylcyclohexane
Concen: 1.091 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

Tgt Ion: 83 Resp: 7534
Ion Ratio Lower Upper
83 100
55 74.4 51.5 77.3
98 47.6 40.5 60.7





#50

Toluene-d8

Concen: 48.568 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

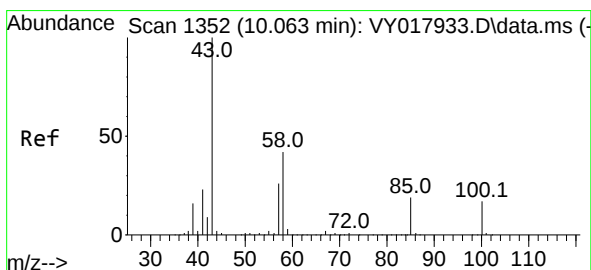
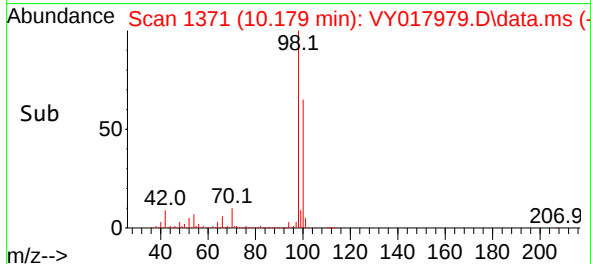
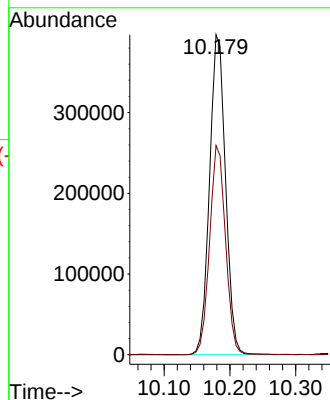
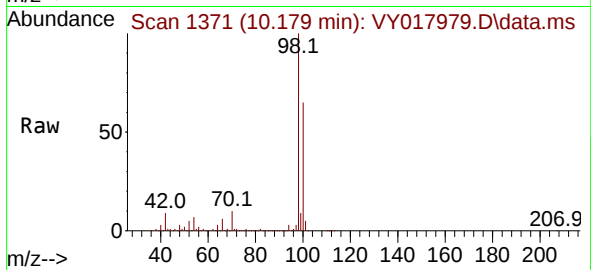
SOIL

Tgt Ion: 98 Resp: 671557

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.399 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY017979.D

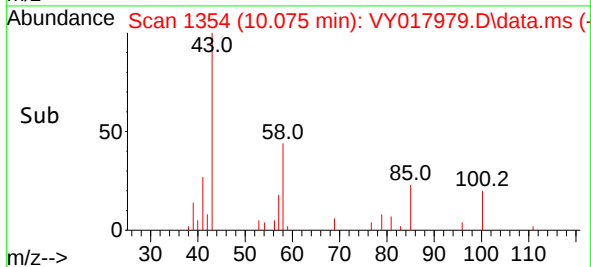
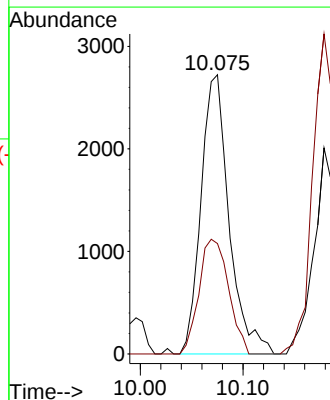
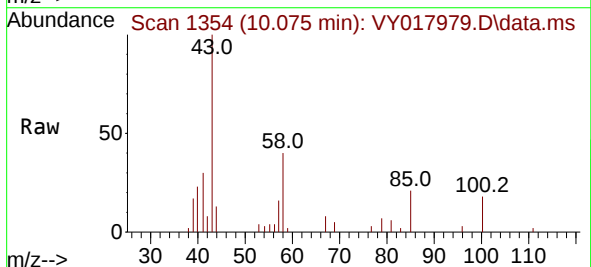
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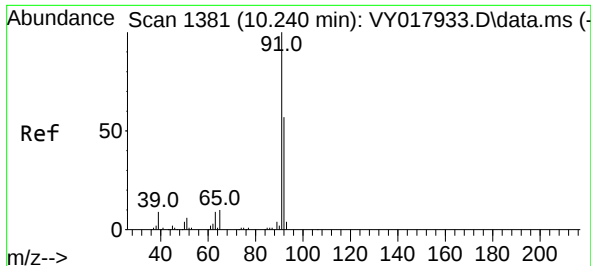
Tgt Ion: 43 Resp: 5168

Ion Ratio Lower Upper

43 100

58 43.3 35.7 53.5

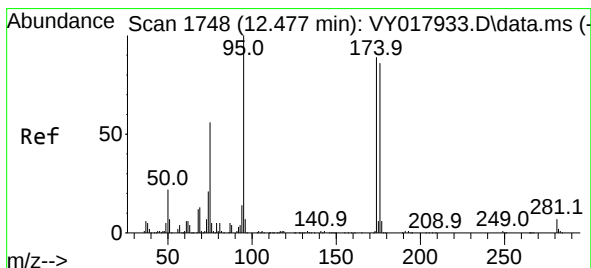
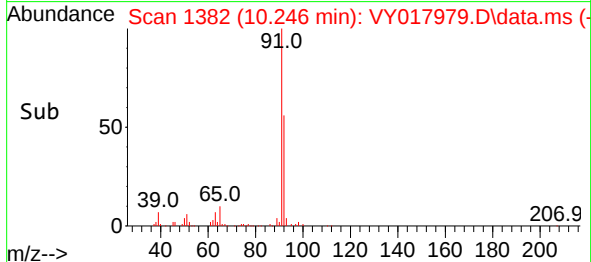
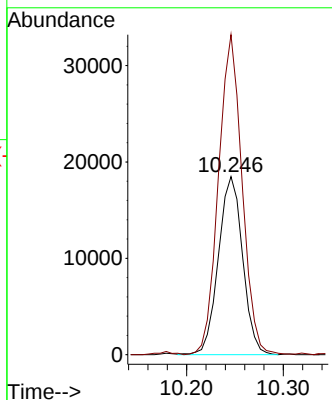
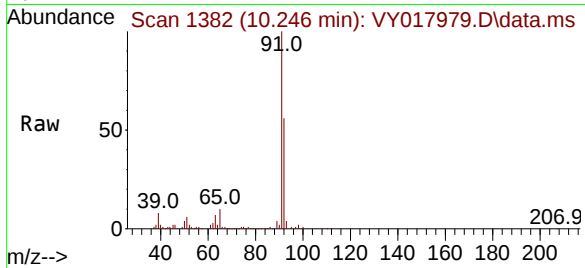




#52
Toluene
Concen: 3.149 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

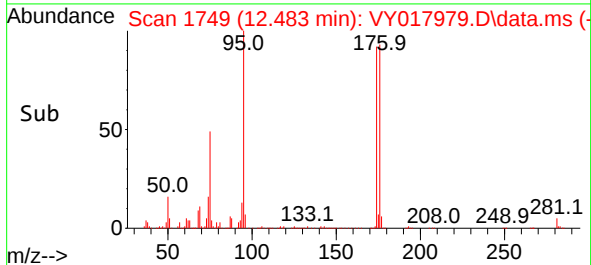
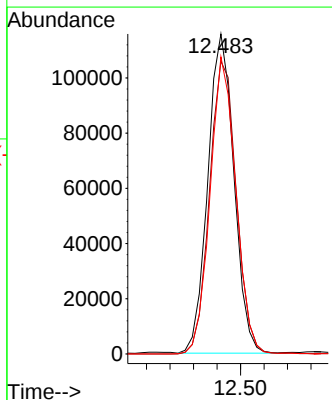
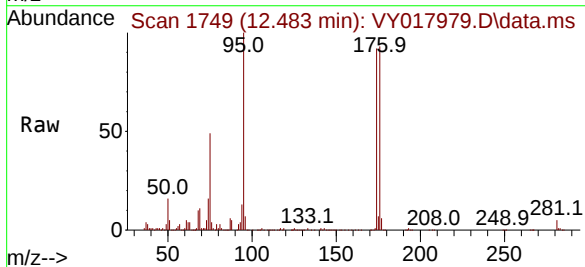
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

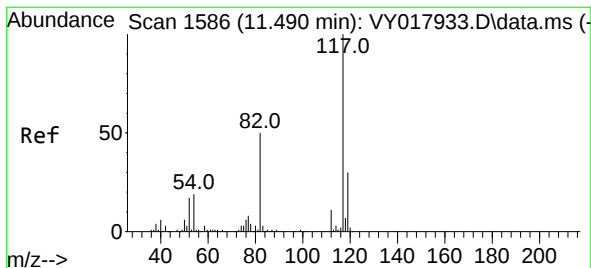
Tgt Ion: 92 Resp: 32079
Ion Ratio Lower Upper
92 100
91 175.4 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 41.586 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

Tgt Ion: 95 Resp: 178084
Ion Ratio Lower Upper
95 100
174 94.4 0.0 175.6
176 91.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

SOIL

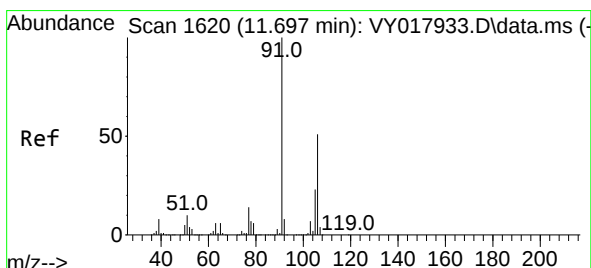
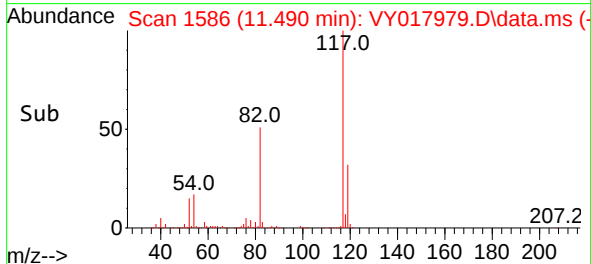
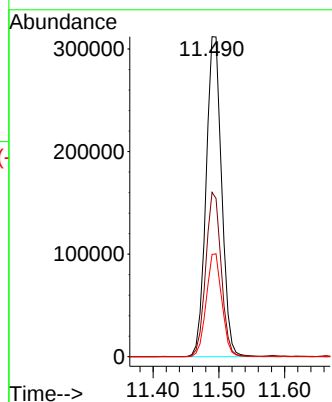
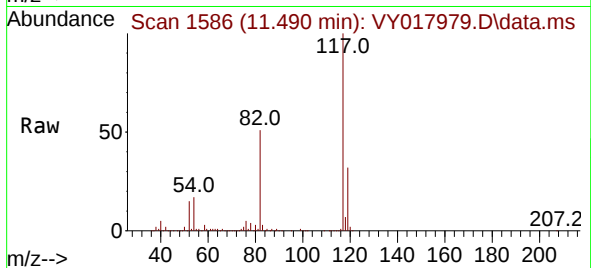
Tgt Ion:117 Resp: 514895

Ion Ratio Lower Upper

117 100

82 51.3 42.4 63.6

119 31.9 25.9 38.9



#68

m/p-Xylenes

Concen: 3.329 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY017979.D

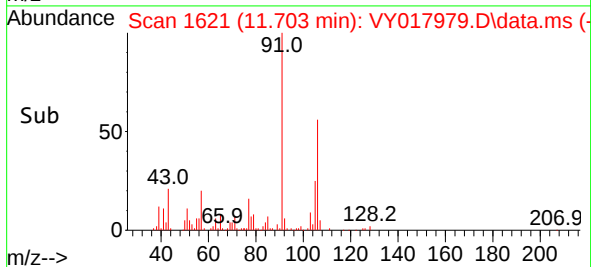
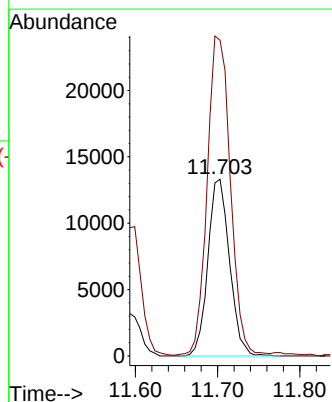
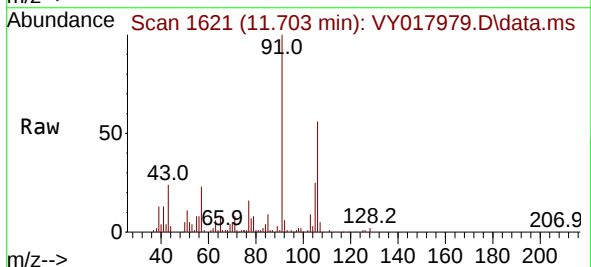
Acq: 18 Apr 2024 16:26

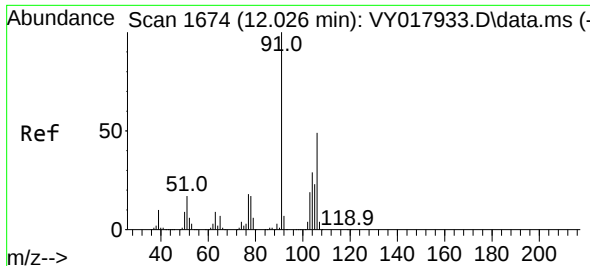
Tgt Ion:106 Resp: 24298

Ion Ratio Lower Upper

106 100

91 193.0 156.0 234.0

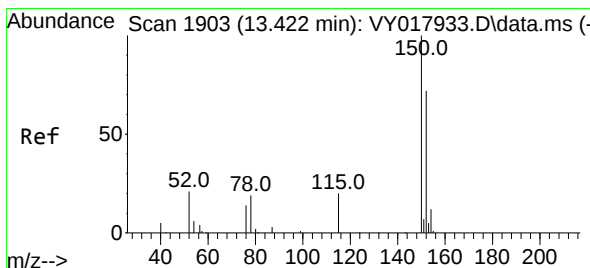
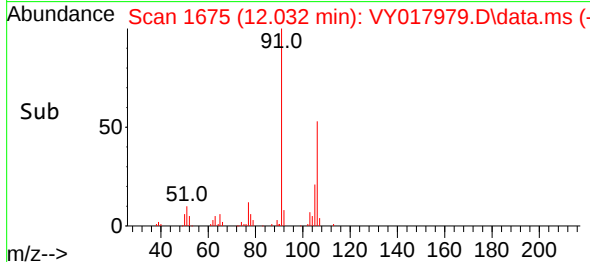
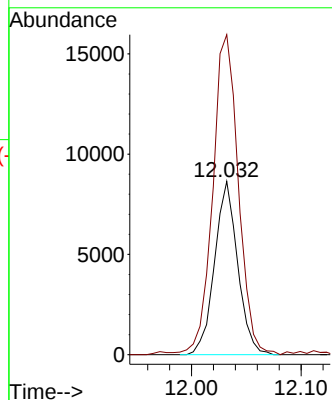
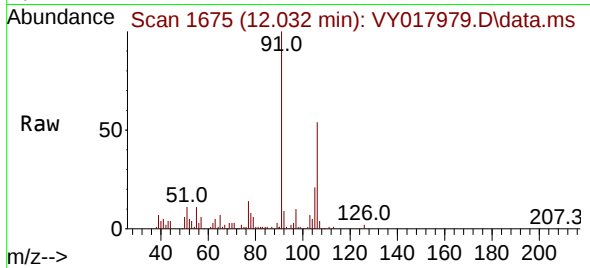




#69
o-Xylene
Concen: 1.855 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

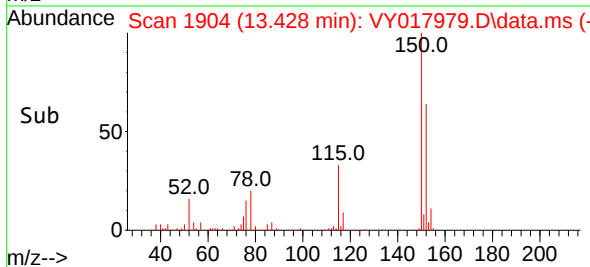
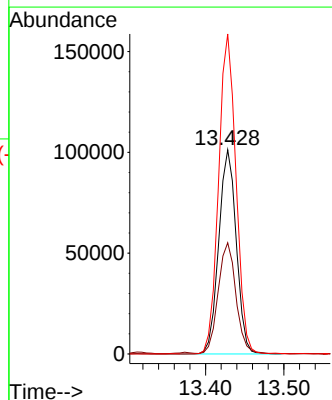
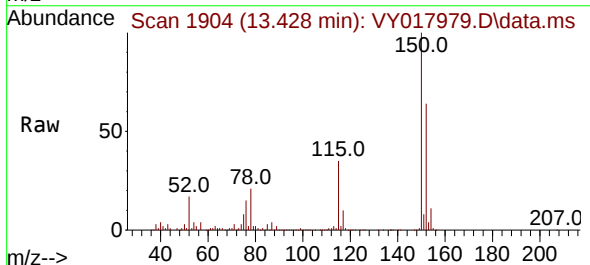
Instrument :
MSVOA_Y
ClientSampleId :
SOIL

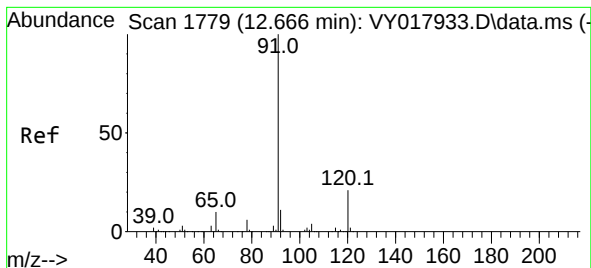
Tgt Ion:106 Resp: 12644
Ion Ratio Lower Upper
106 100
91 205.0 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017979.D
Acq: 18 Apr 2024 16:26

Tgt Ion:152 Resp: 157831
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 155.5 0.0 345.6





#78

n-propylbenzene

Concen: 1.352 ug/l

RT: 12.672 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

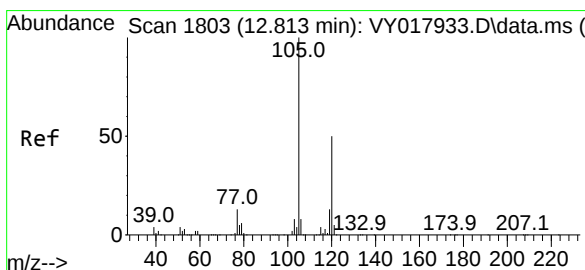
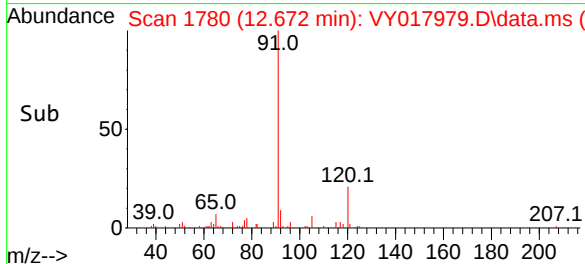
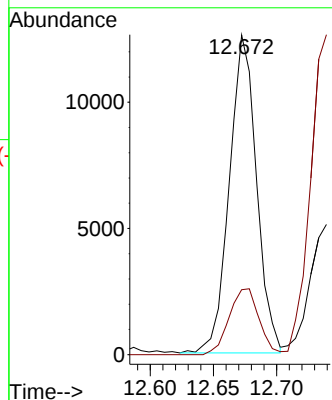
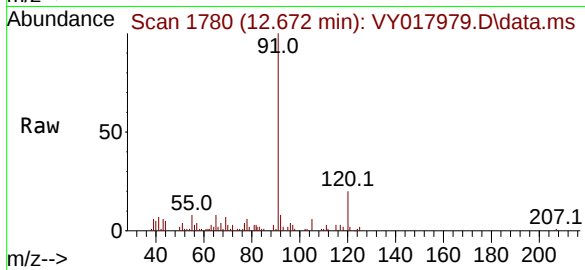
SOIL

Tgt Ion: 91 Resp: 18862

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 3.922 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY017979.D

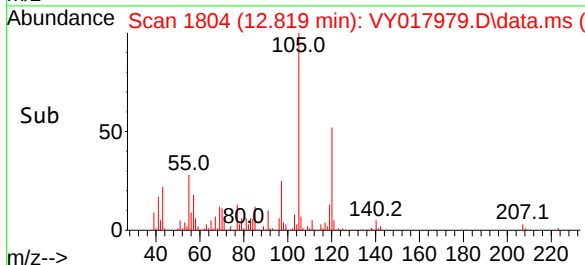
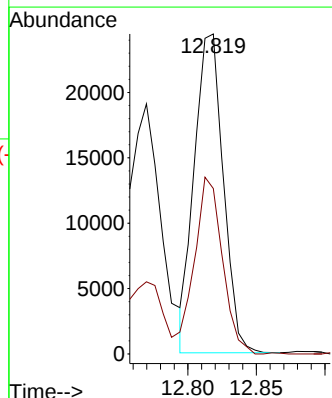
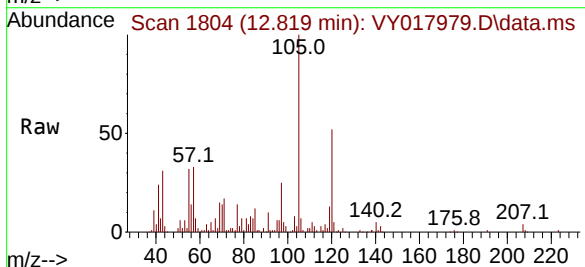
Acq: 18 Apr 2024 16:26

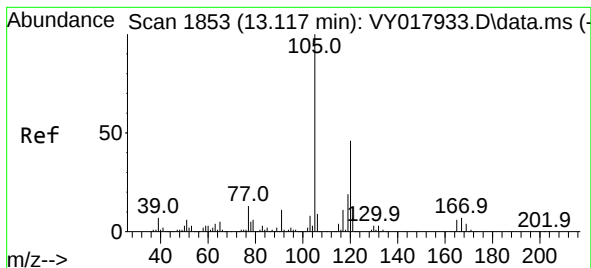
Tgt Ion:105 Resp: 35762

Ion Ratio Lower Upper

105 100

120 54.2 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 10.332 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

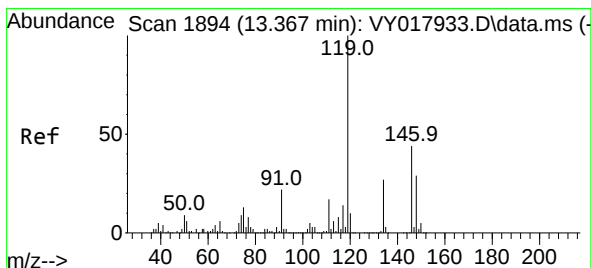
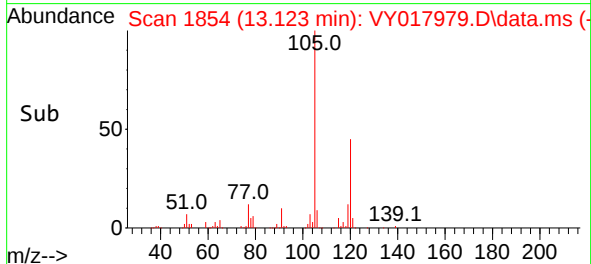
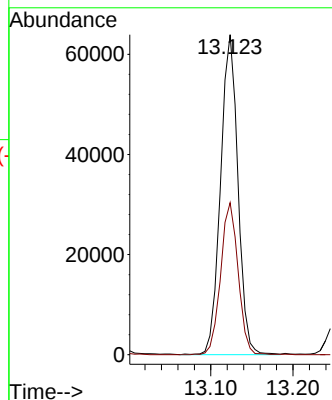
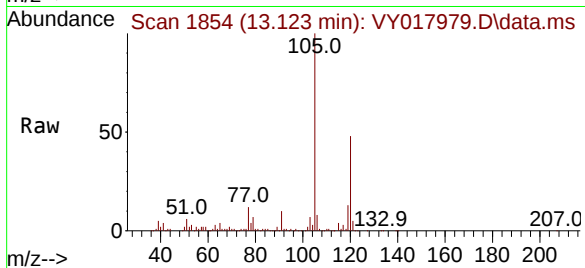
SOIL

Tgt Ion:105 Resp: 93827

Ion Ratio Lower Upper

105 100

120 47.7 23.2 69.6



#86

p-Isopropyltoluene

Concen: 1.249 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY017979.D

Acq: 18 Apr 2024 16:26

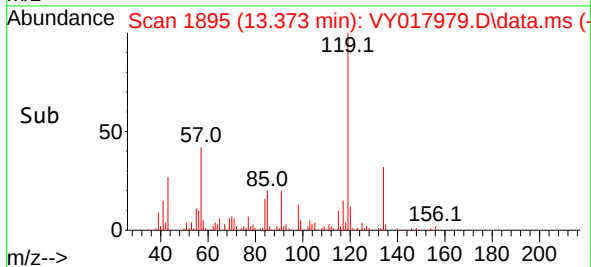
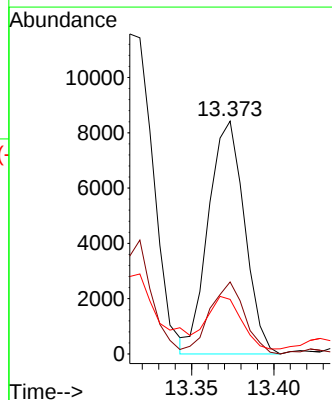
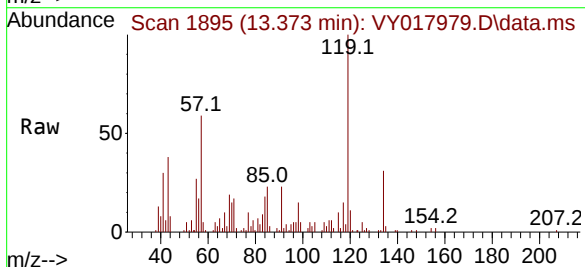
Tgt Ion:119 Resp: 12837

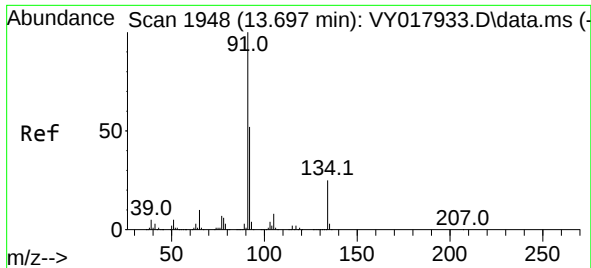
Ion Ratio Lower Upper

119 100

134 30.0 13.1 39.3

91 21.2 10.7 32.1





#89

n-Butylbenzene

Concen: 1.409 ug/l m

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY017979.D

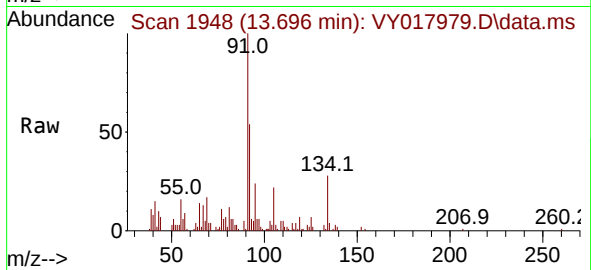
Acq: 18 Apr 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

SOIL



Tgt Ion: 91 Resp: 13631

Ion Ratio Lower Upper

91 100

92 0.0 26.6 79.7#

134 0.0 12.9 38.7#

