

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011504.D
 Acq On : 18 Nov 2022 16:14
 Operator : KP/MD
 Sample : N5641-03RE
 Misc : 7.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE-3

Quant Time: Nov 19 22:41:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

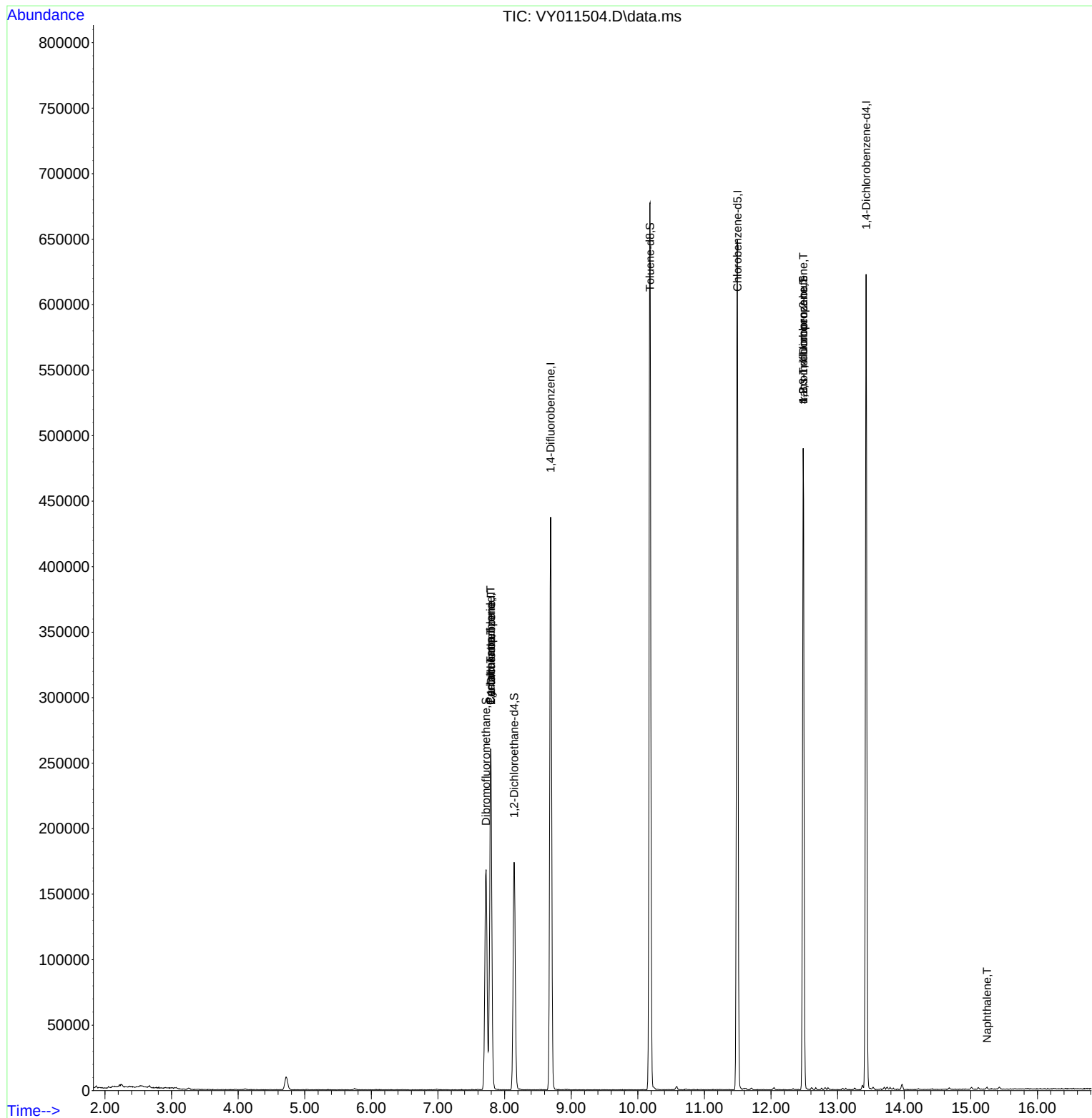
Internal Standards						
1) Pentafluorobenzene	7.795	168	198027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	367262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	345526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	139508	69.381	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.760%	
35) Dibromofluoromethane	7.722	113	119413	52.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.640%	
50) Toluene-d8	10.185	98	445445	54.219	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.440%	
62) 4-Bromofluorobenzene	12.483	95	143343	47.190	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.380%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	374	Below Cal		96
5) Bromomethane	2.668	94	575	Below Cal		92
11) Tert butyl alcohol	4.966	59	71	Below Cal	#	77
18) Methyl Acetate	4.479	43	222	Below Cal	#	56
20) Methylene Chloride	4.729	84	6964	Below Cal	#	85
31) Cyclohexane	7.789	56	4471	1.341	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15441	4.369	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19382	4.902	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	75280	45.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	75280	100.555	ug/l #	7
95) Naphthalene	15.245	128	1425	4.263	ug/l #	89

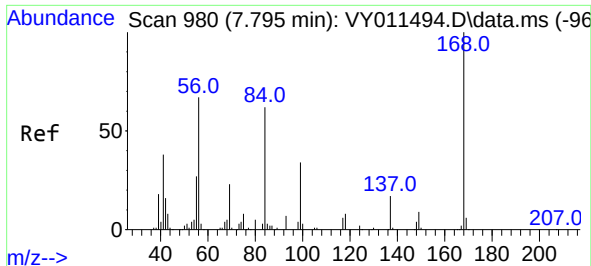
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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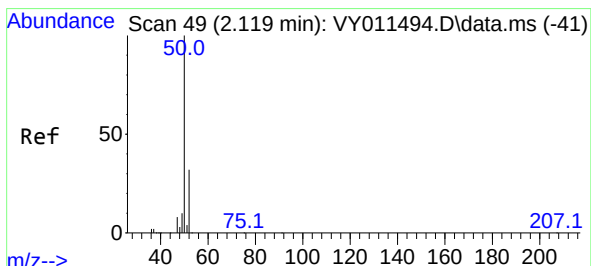
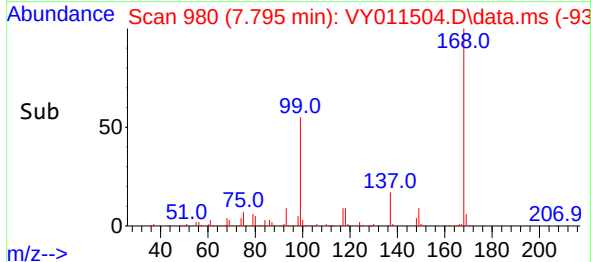
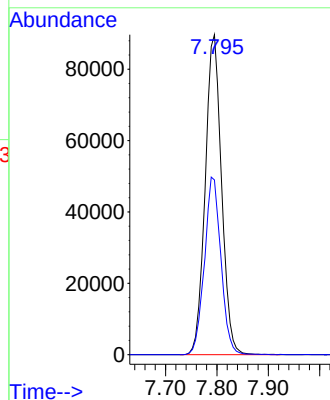
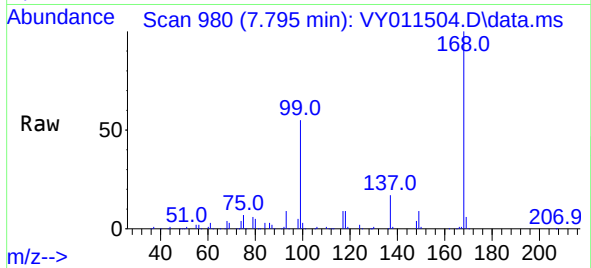




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

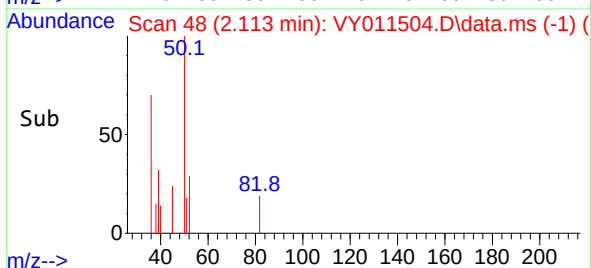
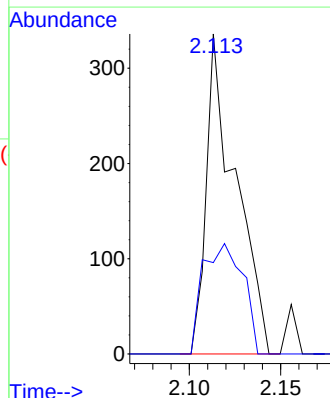
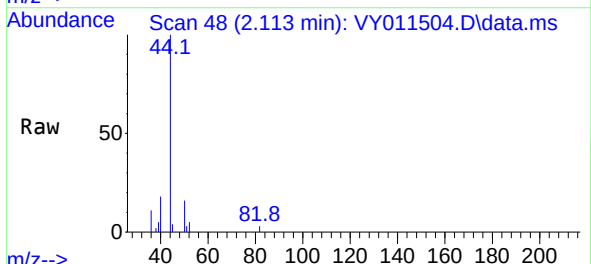
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

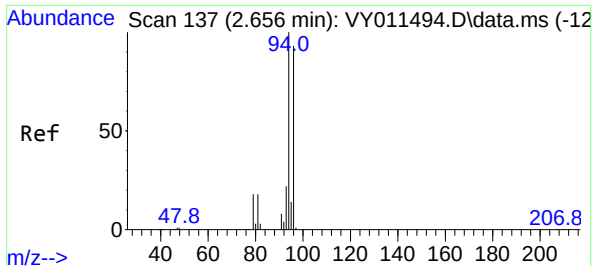
Tgt Ion:168 Resp: 198027
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 28.6 24.6 37.0

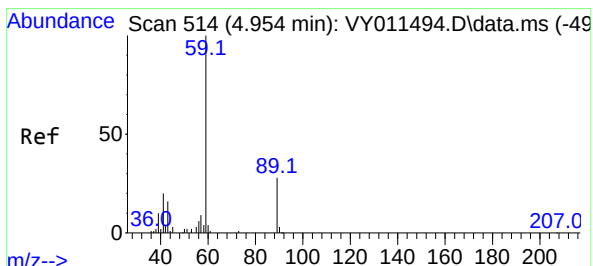
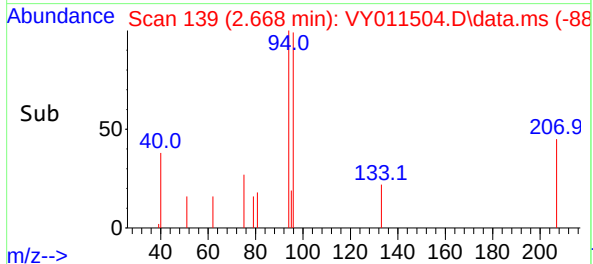
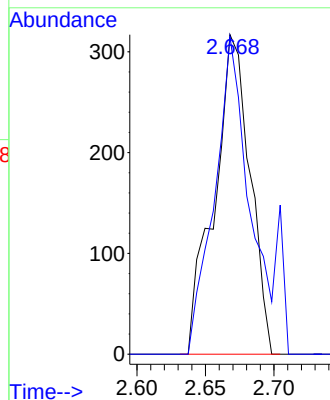
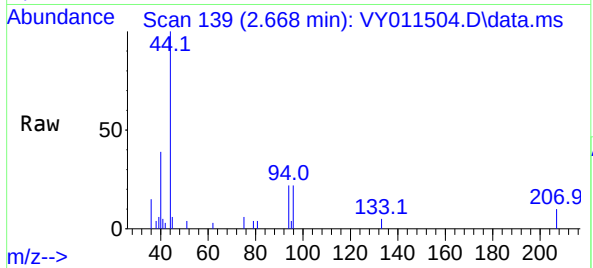




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

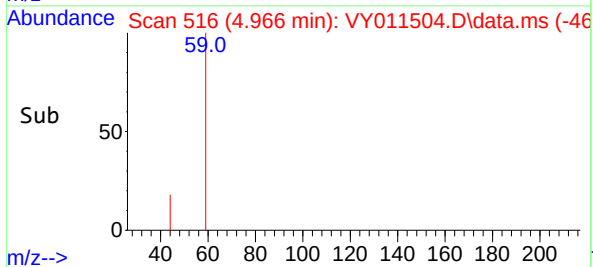
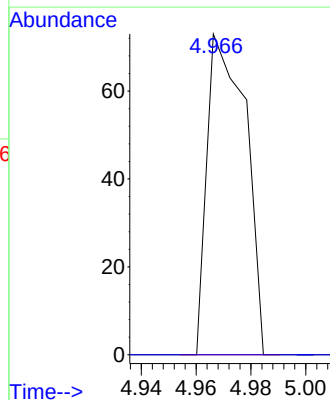
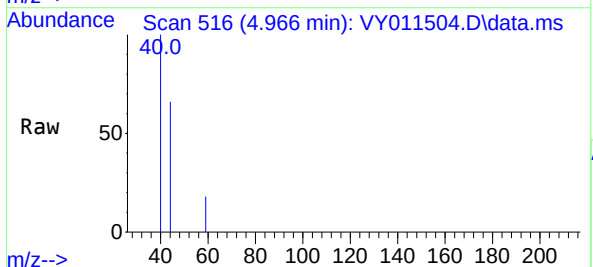
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

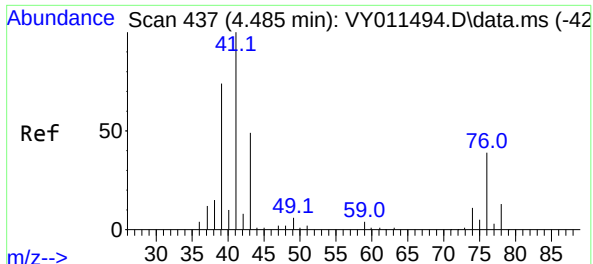
Tgt Ion: 94 Resp: 575
Ion Ratio Lower Upper
94 100
96 99.4 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011504.D

Acq: 18 Nov 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

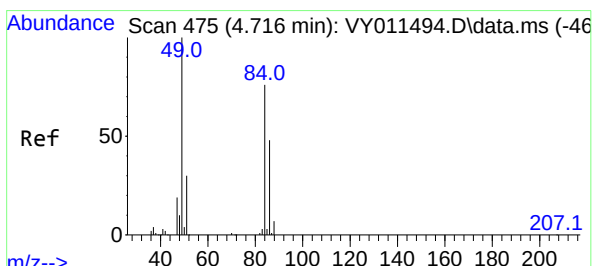
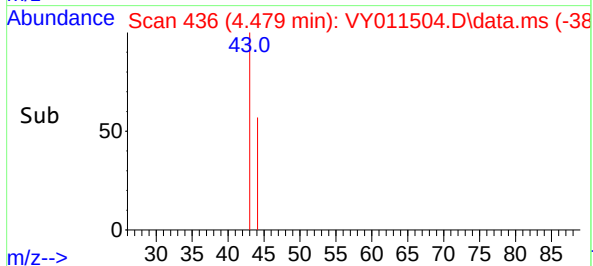
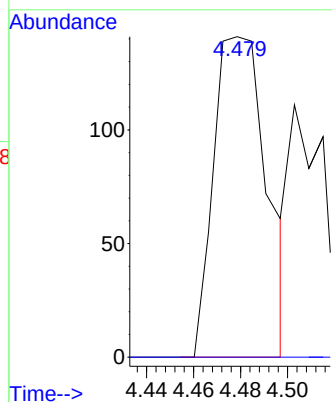
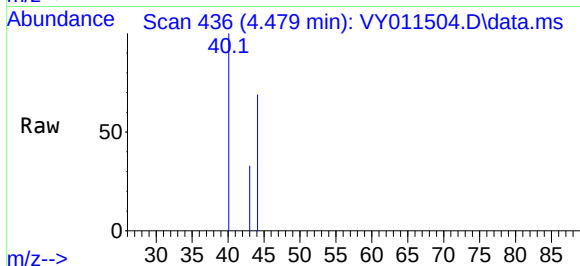
SOIL-PILE-3

Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.729 min Scan# 477

Delta R.T. 0.013 min

Lab File: VY011504.D

Acq: 18 Nov 2022 16:14

Tgt Ion: 84 Resp: 6964

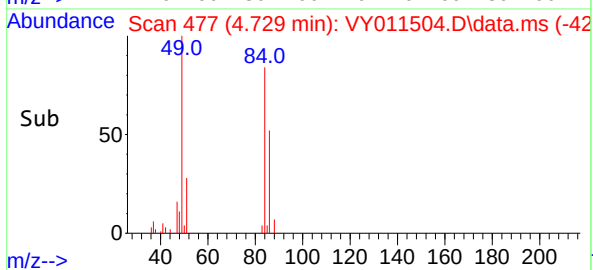
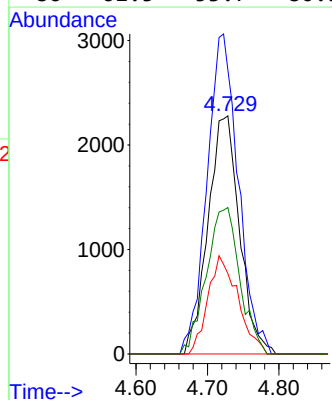
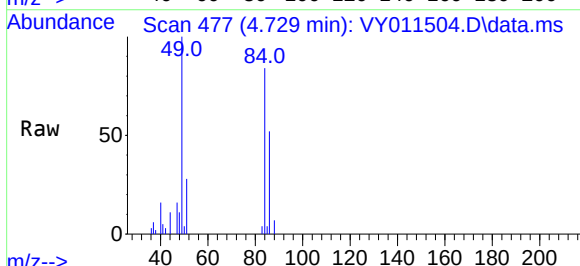
Ion Ratio Lower Upper

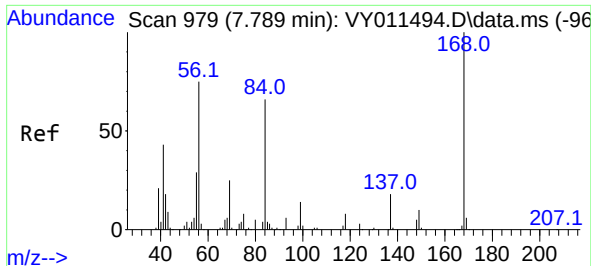
84 100

49 119.3 114.4 171.6

51 33.7 35.3 52.9#

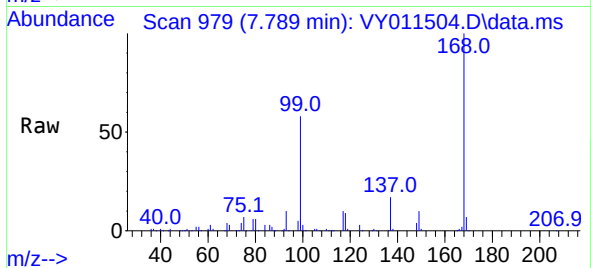
86 61.5 53.7 80.5



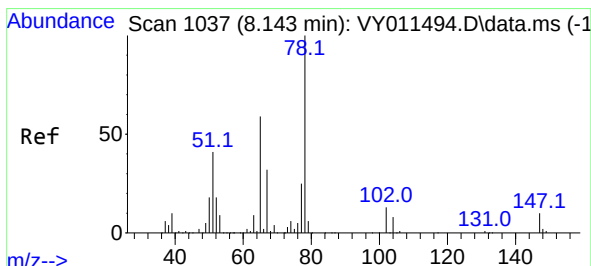
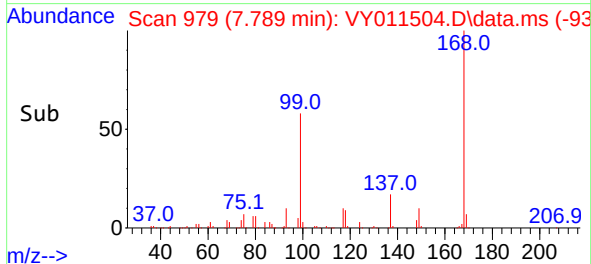
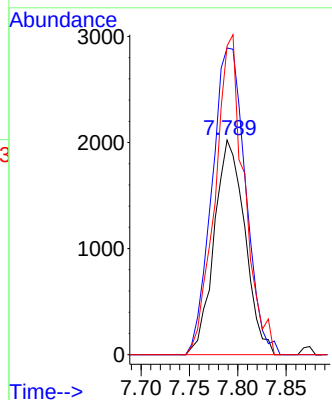


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

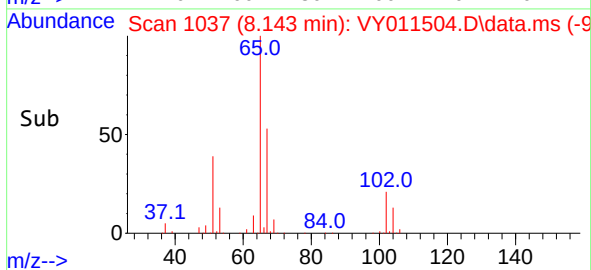
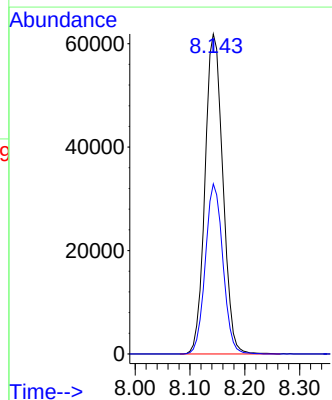
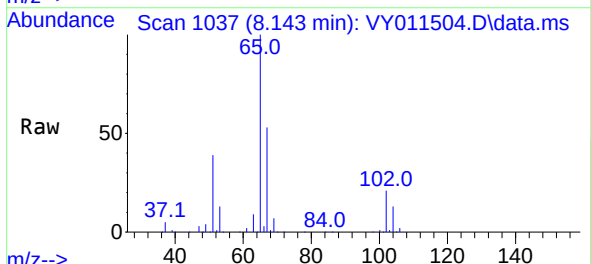


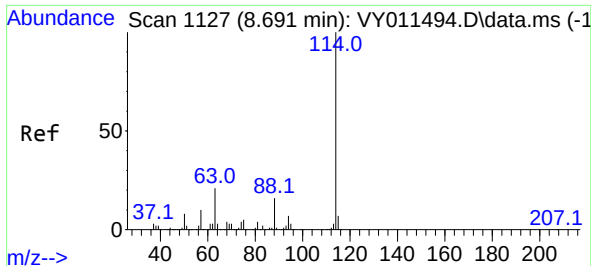
Tgt Ion: 56 Resp: 4471
Ion Ratio Lower Upper
56 100
69 143.0 26.7 40.1#
84 143.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.381 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion: 65 Resp: 139508
Ion Ratio Lower Upper
65 100
67 52.3 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: VY011504.D

Acq: 18 Nov 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-3

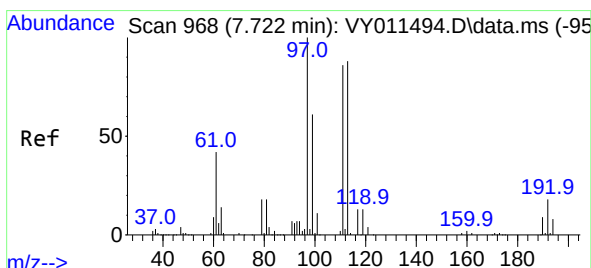
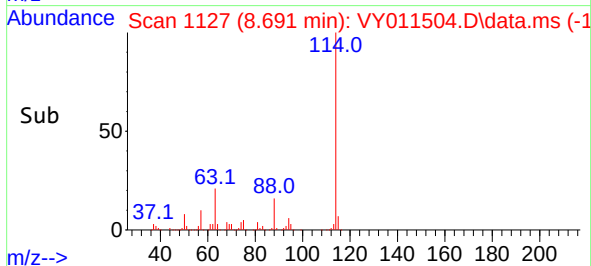
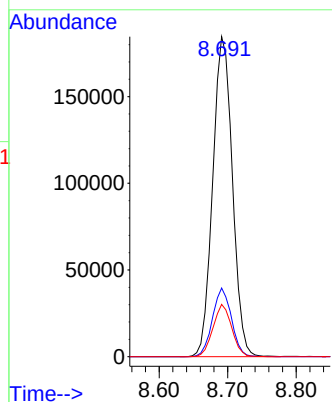
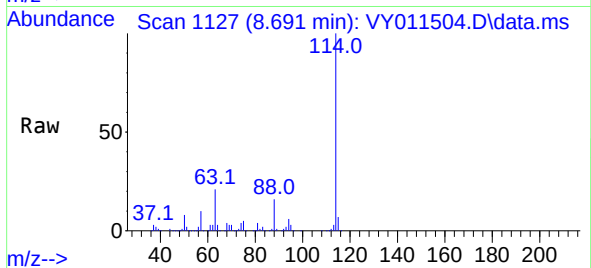
Tgt Ion:114 Resp: 367262

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.818 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011504.D

Acq: 18 Nov 2022 16:14

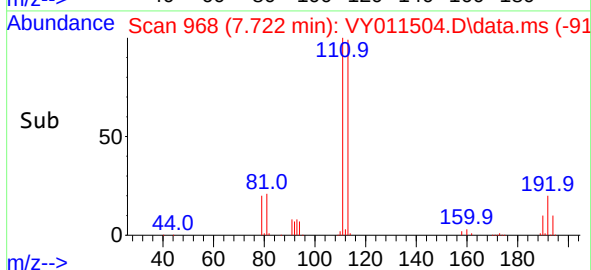
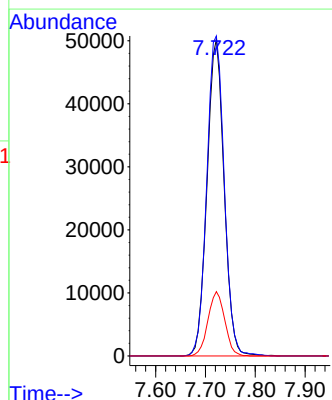
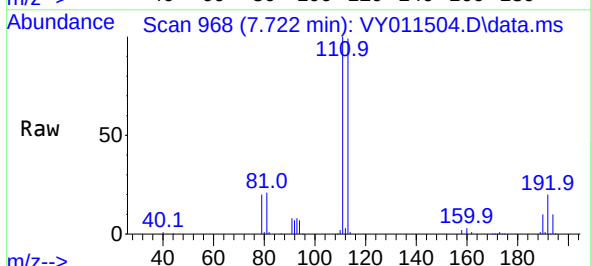
Tgt Ion:113 Resp: 119413

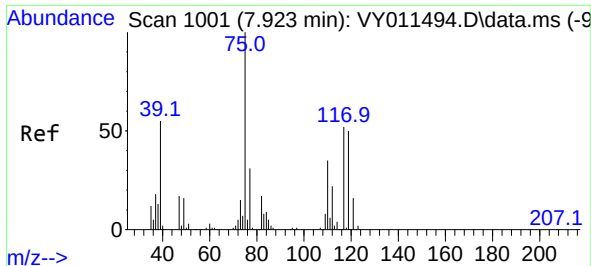
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 20.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.369 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011504.D

Acq: 18 Nov 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-3

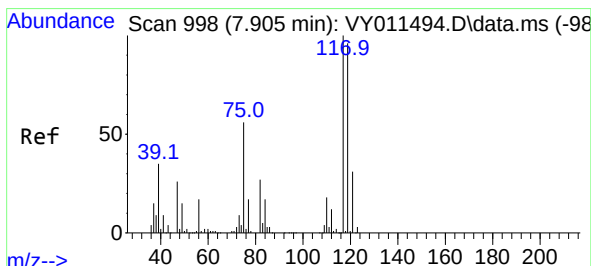
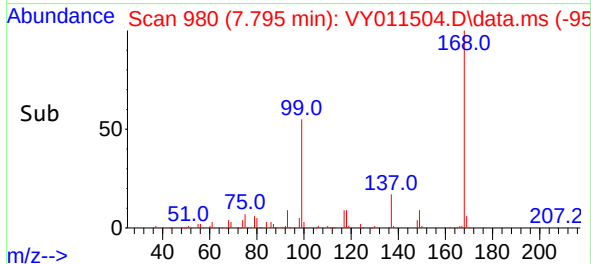
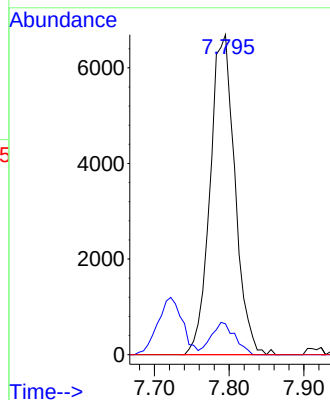
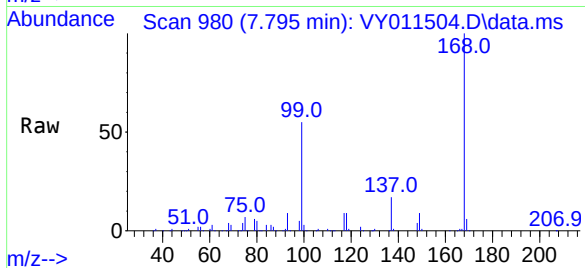
Tgt Ion: 75 Resp: 15441

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.902 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011504.D

Acq: 18 Nov 2022 16:14

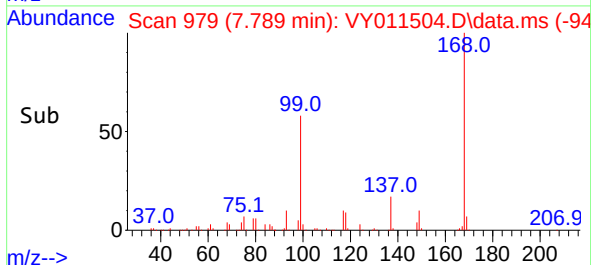
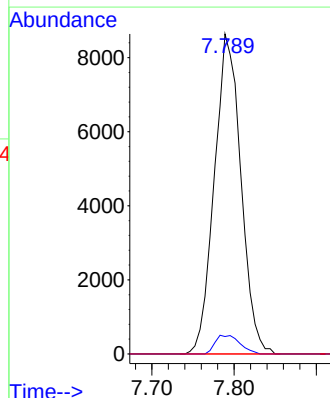
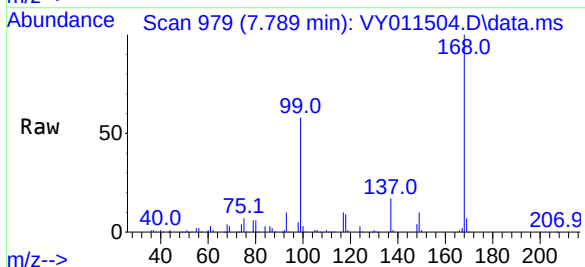
Tgt Ion: 117 Resp: 19382

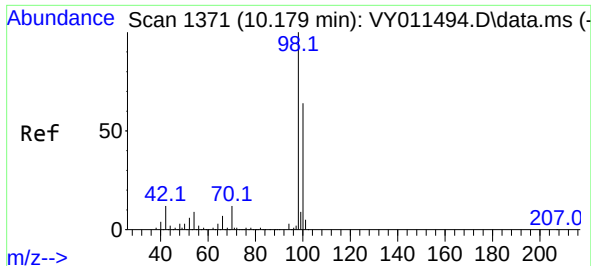
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#

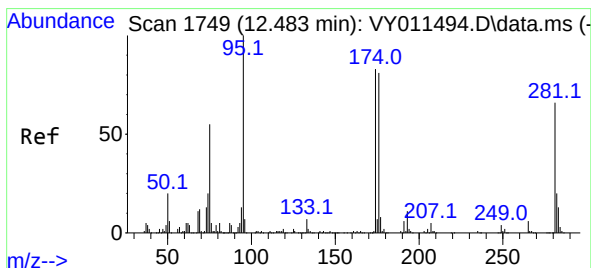
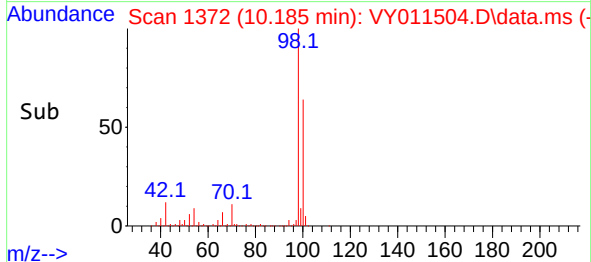
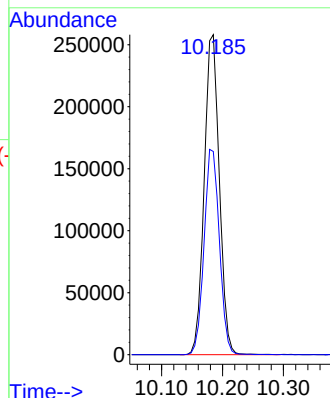
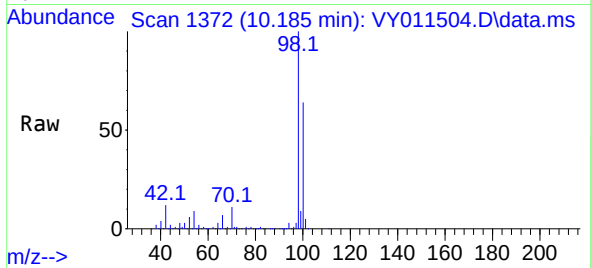




#50
Toluene-d8
Concen: 54.219 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

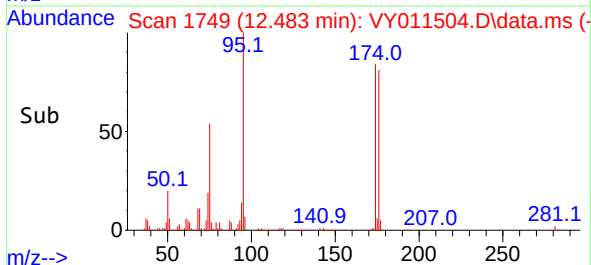
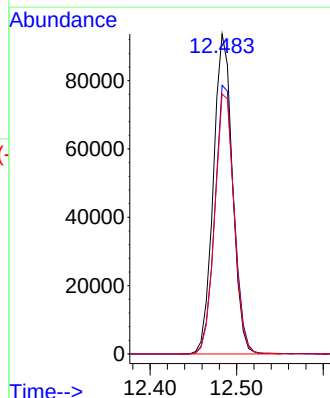
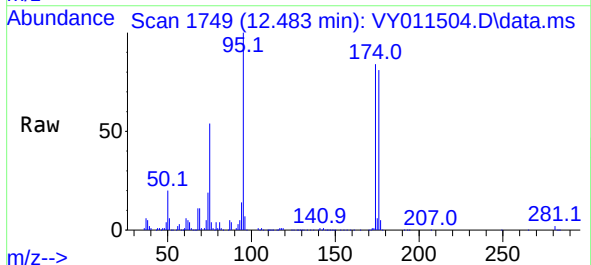
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

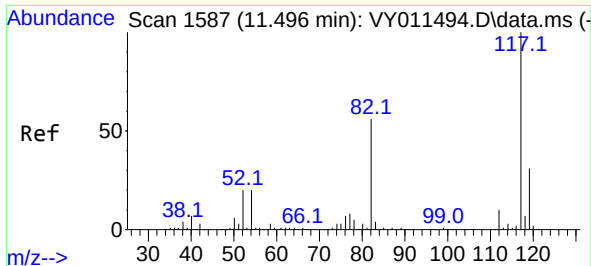
Tgt Ion: 98 Resp: 445445
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.190 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion: 95 Resp: 143343
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.3 0.0 175.8

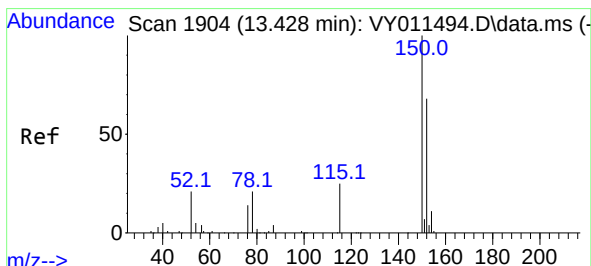
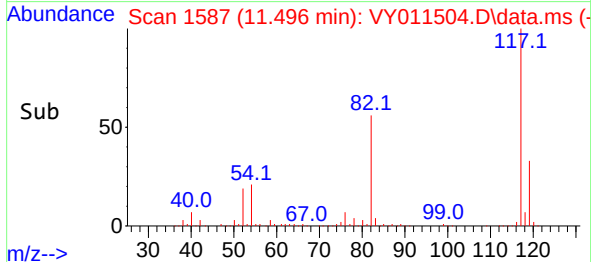
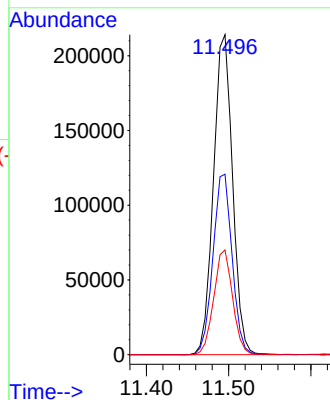
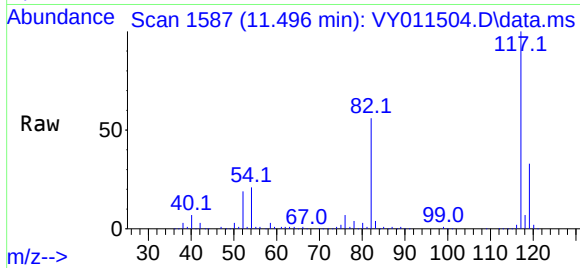




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

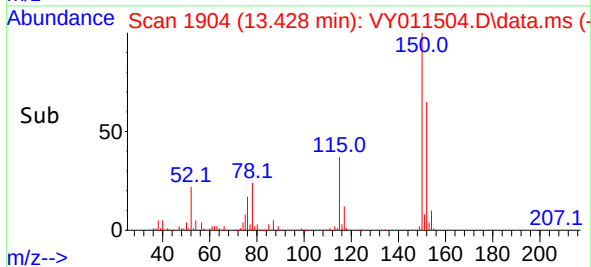
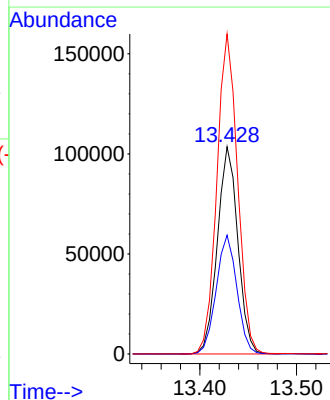
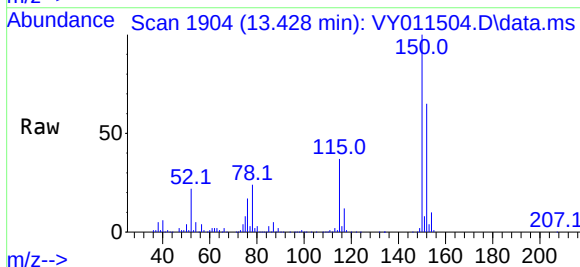
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

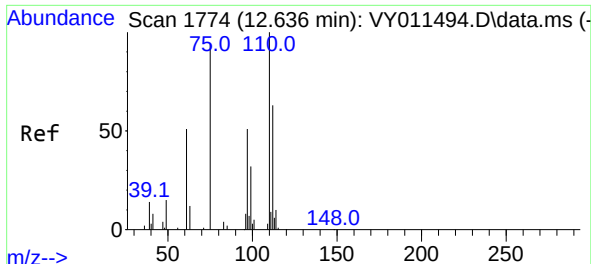
Tgt Ion:117 Resp: 345526
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion:152 Resp: 152265
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 155.9 0.0 347.6

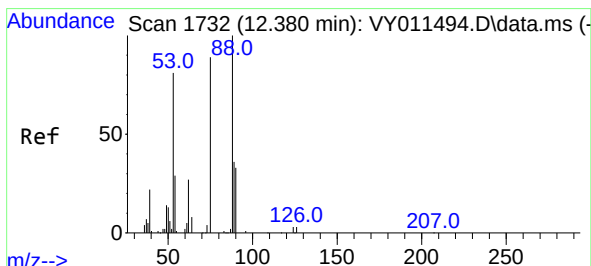
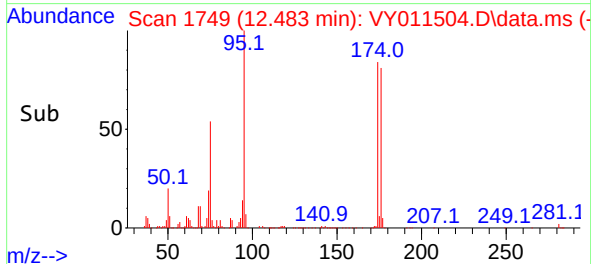
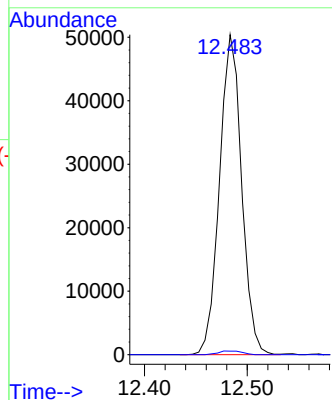
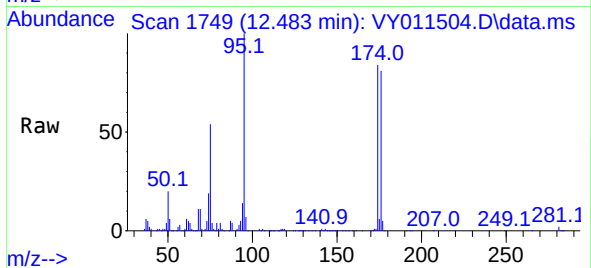




#76
1,2,3-Trichloropropane
Concen: 45.908 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

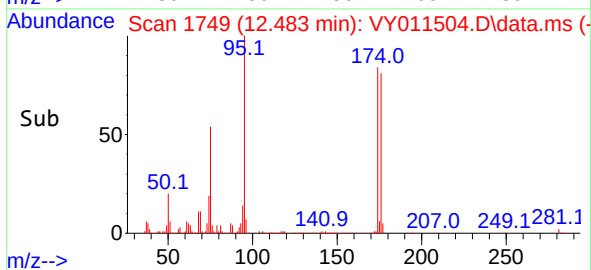
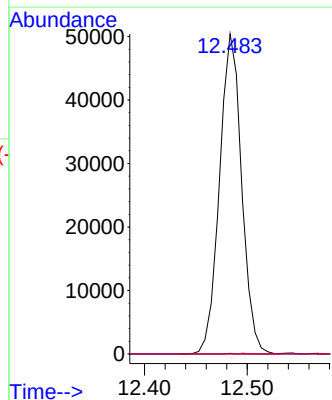
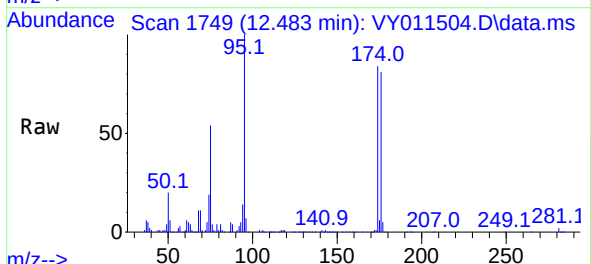
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-3

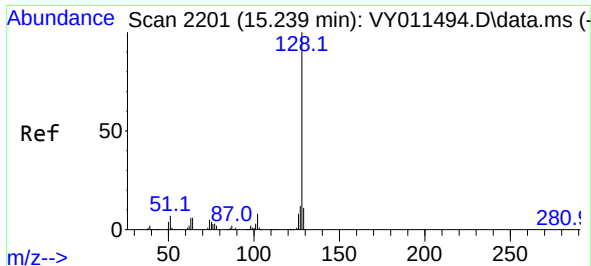
Tgt Ion: 75 Resp: 75280
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.555 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011504.D
Acq: 18 Nov 2022 16:14

Tgt Ion: 75 Resp: 75280
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 4.263 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011504.D

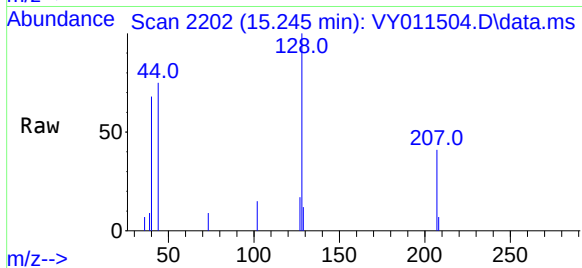
Acq: 18 Nov 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-3



Tgt Ion:128 Resp: 1425

Ion Ratio Lower Upper

128 100

127 9.7 11.0 16.4#

129 5.6 8.4 12.6#

