

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019042.D
 Acq On : 13 Aug 2024 20:26
 Operator : SY/MD
 Sample : P3548-12
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IN-SITU-SOIL

Quant Time: Aug 14 01:42:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

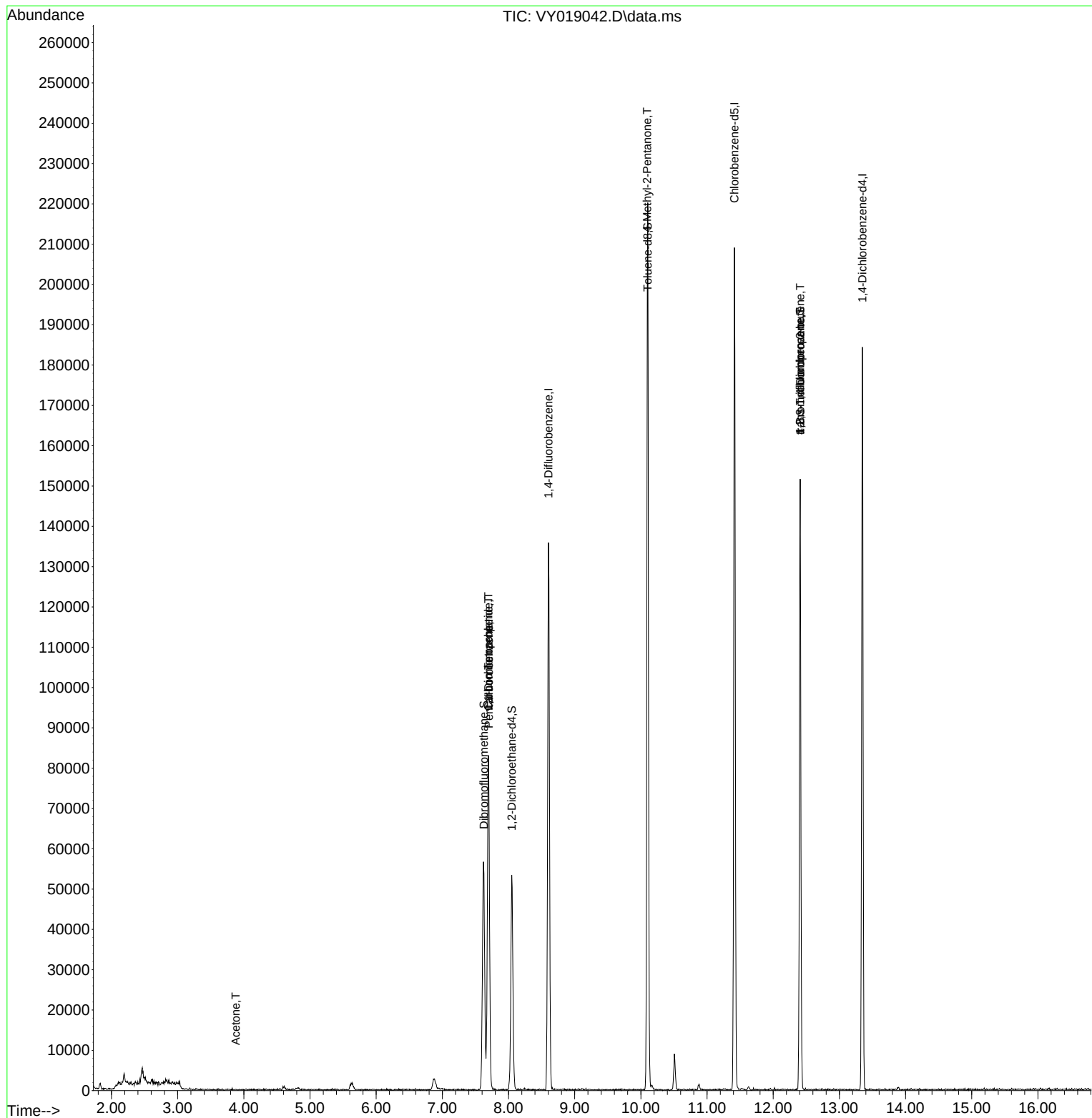
Internal Standards						
1) Pentafluorobenzene	7.701	168	67013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	113621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	100277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	42376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	31467	53.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.960%	
35) Dibromofluoromethane	7.628	113	36103	49.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.500%	
50) Toluene-d8	10.103	98	133314	47.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.660%	
62) 4-Bromofluorobenzene	12.408	95	35146	42.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.117	50	50	Below Cal	#	43
11) Tert butyl alcohol	4.860	59	23	Below Cal	#	88
16) Acetone	3.879	43	41	12.783	ug/l #	36
20) Methylene Chloride	4.610	84	249	Below Cal	#	72
31) Cyclohexane	7.689	56	1712	Below Cal	#	72
36) 1,1-Dichloropropene	7.695	75	5088	5.223	ug/l #	47
38) Carbon Tetrachloride	7.695	117	5999	5.371	ug/l #	18
41) Methacrylonitrile	7.122	41	19	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.097	43	840	1.799	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	21565	68.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	21565	140.758	ug/l #	16

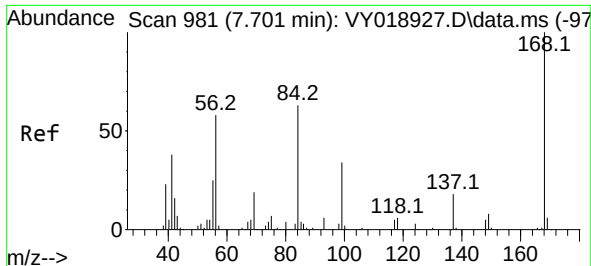
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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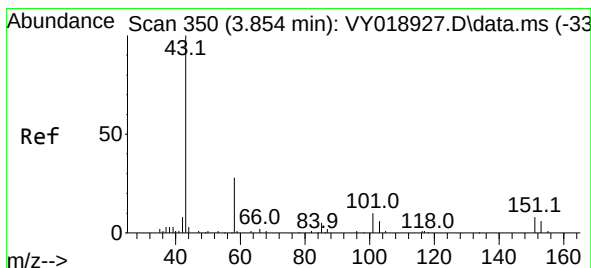
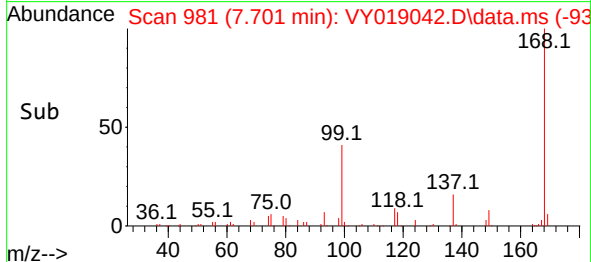
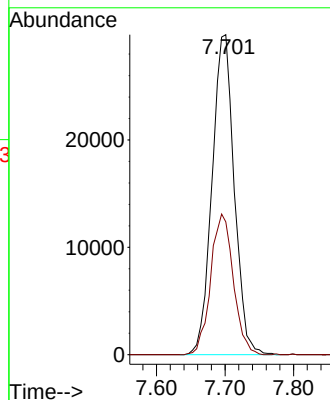
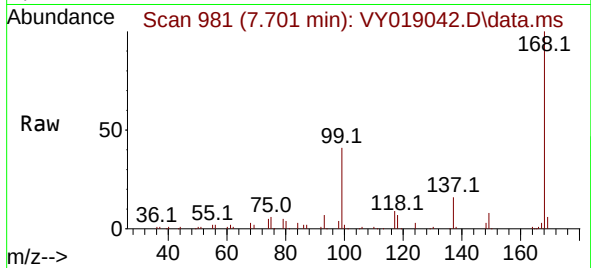




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

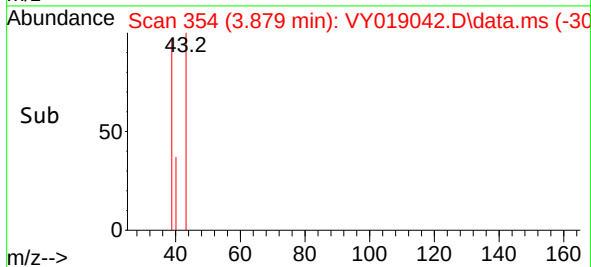
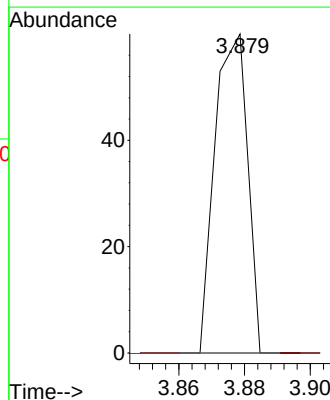
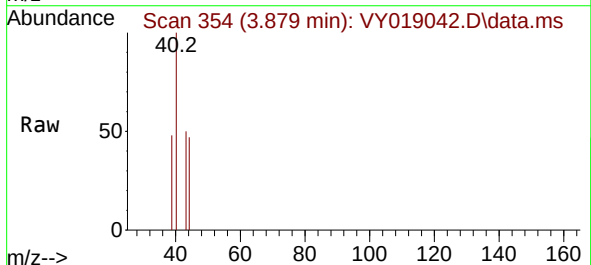
Instrument :
MSVOA_Y
ClientSampleId :
IN-SITU-SOIL

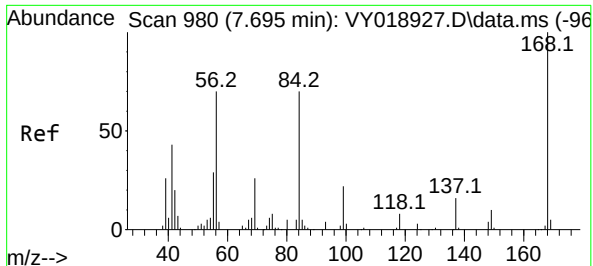
Tgt Ion:168 Resp: 67013
Ion Ratio Lower Upper
168 100
99 41.5 39.1 58.7



#16
Acetone
Concen: 12.783 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.024 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

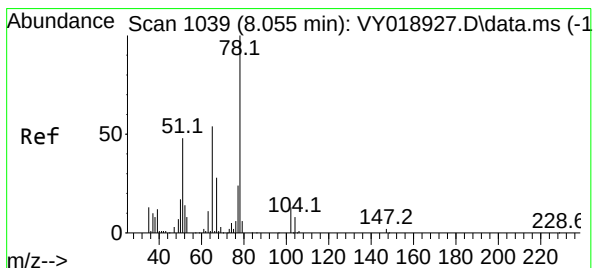
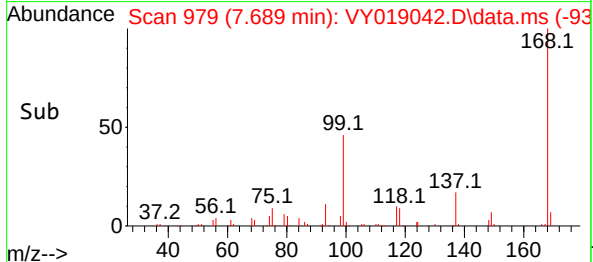
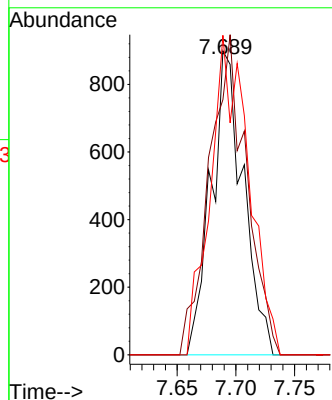
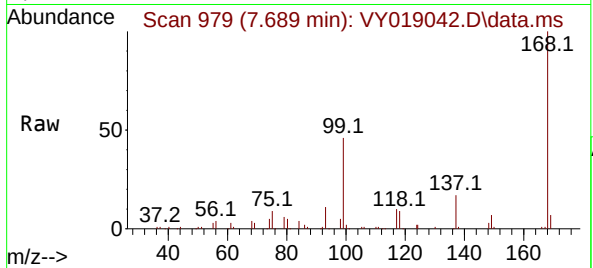




#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

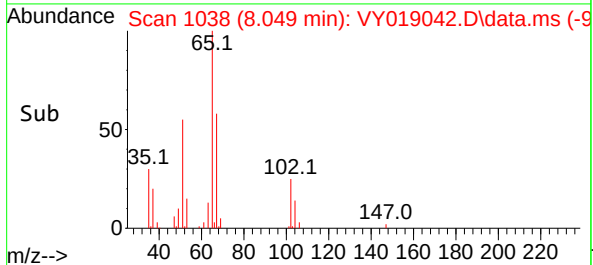
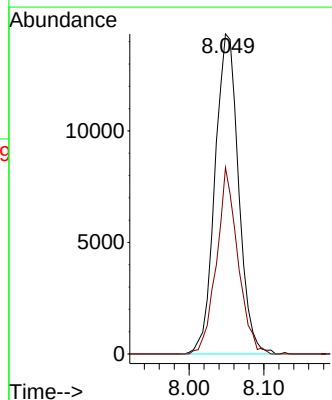
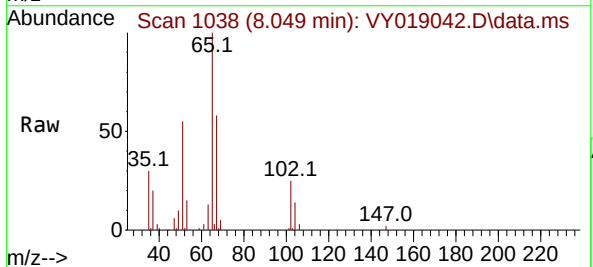
Instrument :
MSVOA_Y
ClientSampleId :
IN-SITU-SOIL

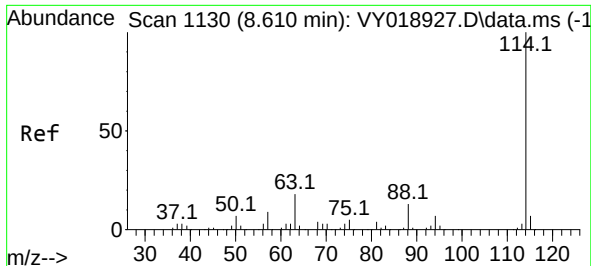
Tgt Ion: 56 Resp: 1712
Ion Ratio Lower Upper
56 100
69 84.0 28.7 43.1#
84 105.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.482 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

Tgt Ion: 65 Resp: 31467
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

Instrument :

MSVOA_Y

ClientSampleId :

IN-SITU-SOIL

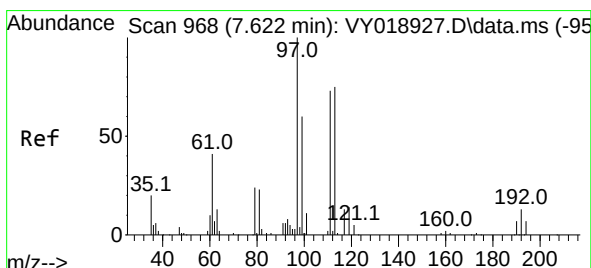
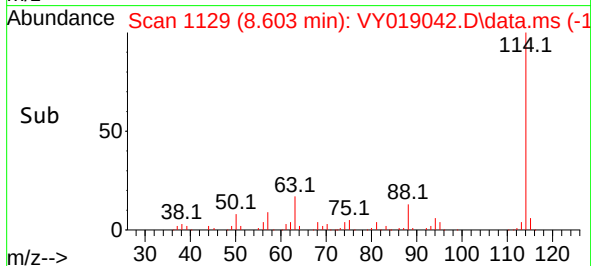
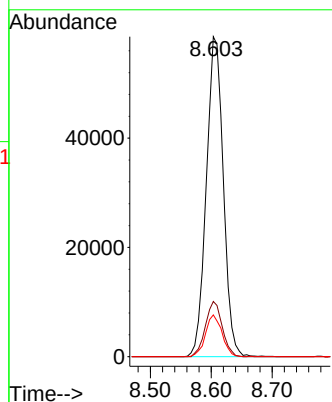
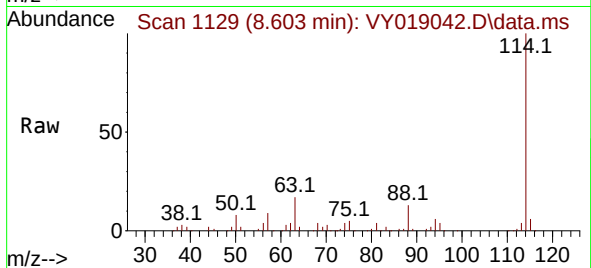
Tgt Ion:114 Resp: 113621

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.750 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

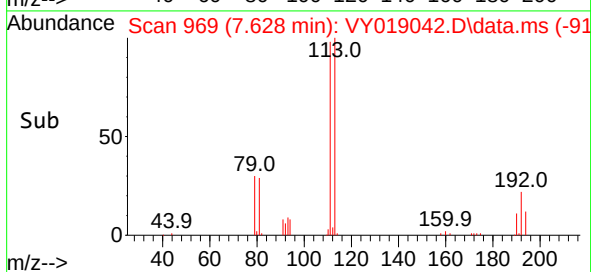
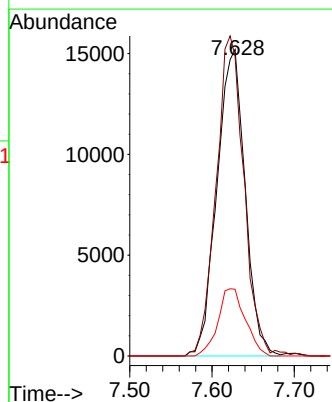
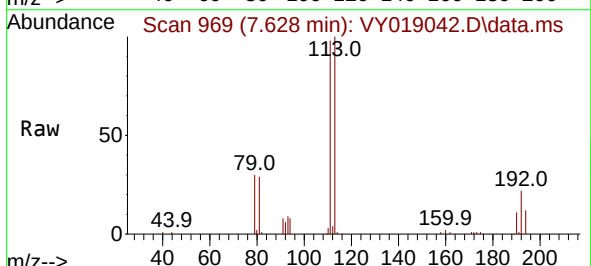
Tgt Ion:113 Resp: 36103

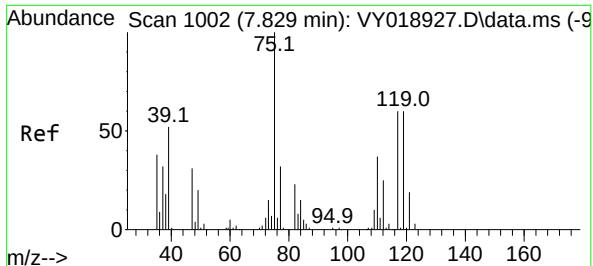
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 21.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

Instrument :

MSVOA_Y

ClientSampleId :

IN-SITU-SOIL

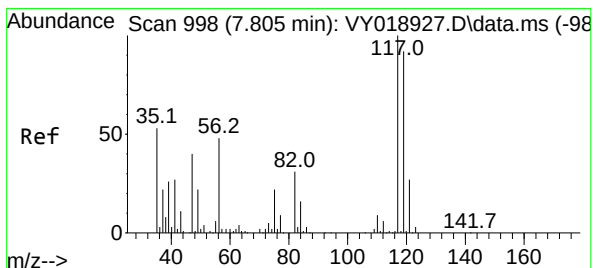
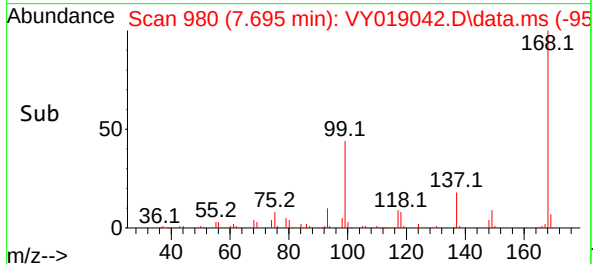
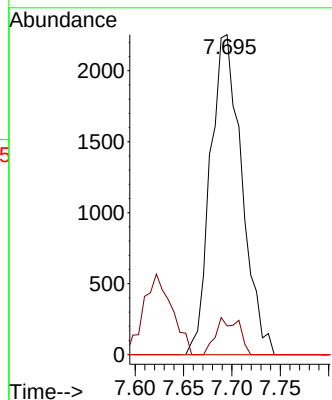
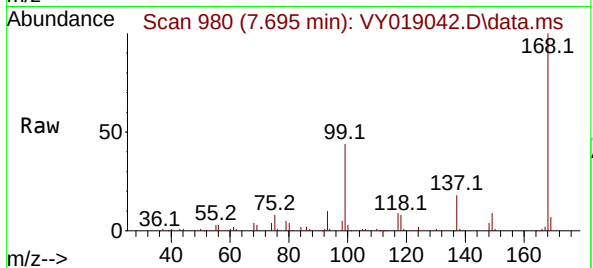
Tgt Ion: 75 Resp: 5088

Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

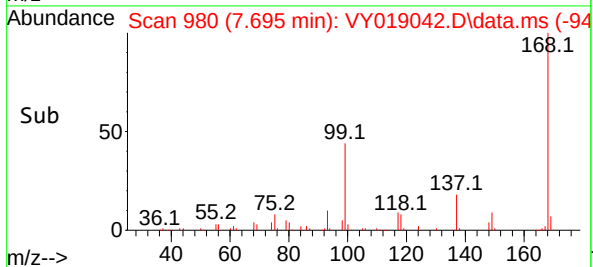
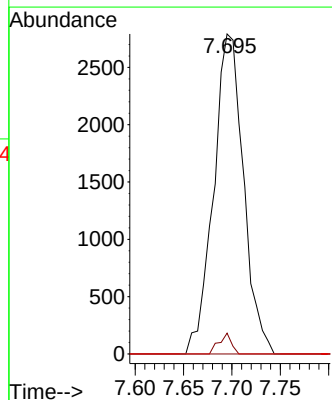
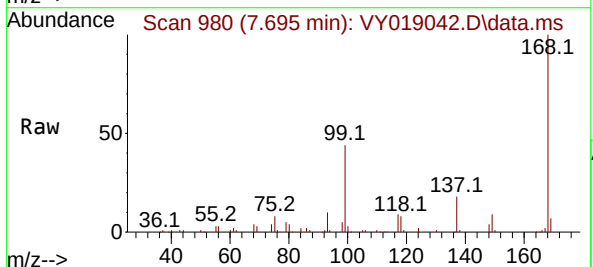
Tgt Ion: 117 Resp: 5999

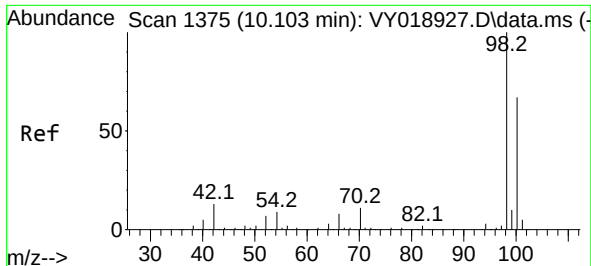
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.828 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

Instrument :

MSVOA_Y

ClientSampleId :

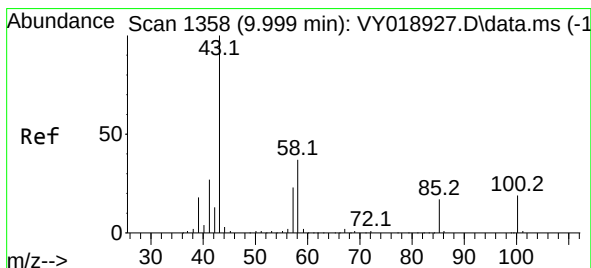
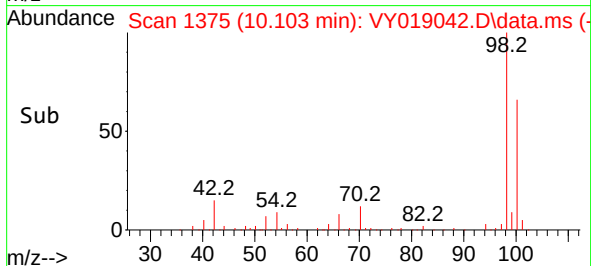
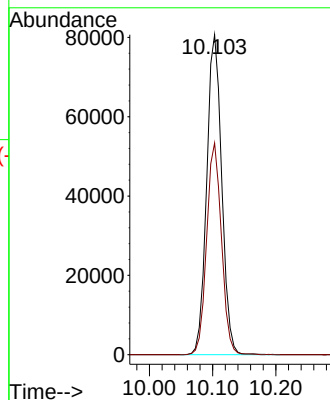
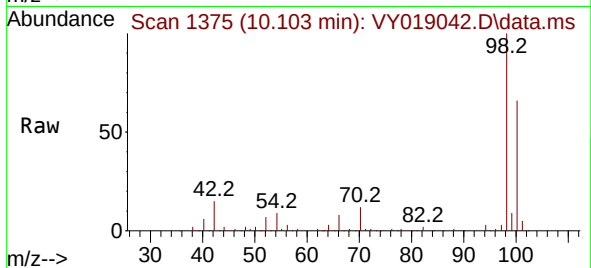
IN-SITU-SOIL

Tgt Ion: 98 Resp: 133314

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.799 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY019042.D

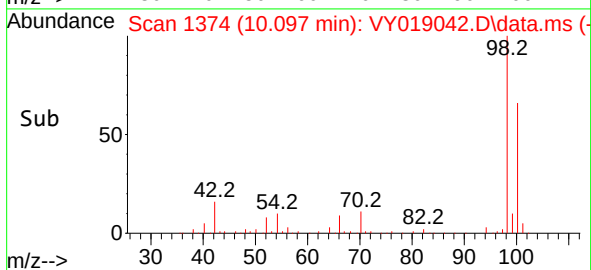
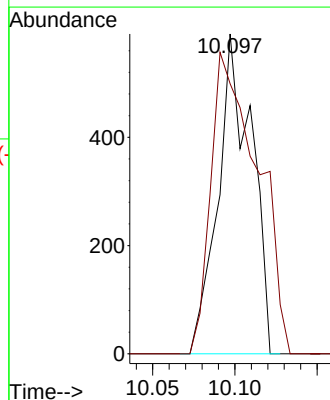
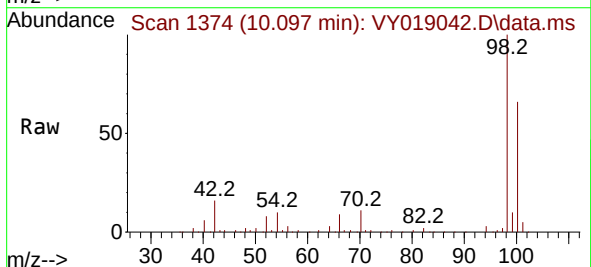
Acq: 13 Aug 2024 20:26

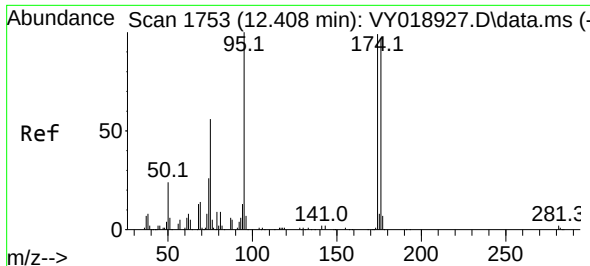
Tgt Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 130.8 35.7 53.5#

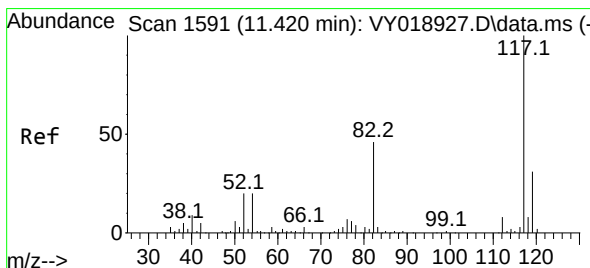
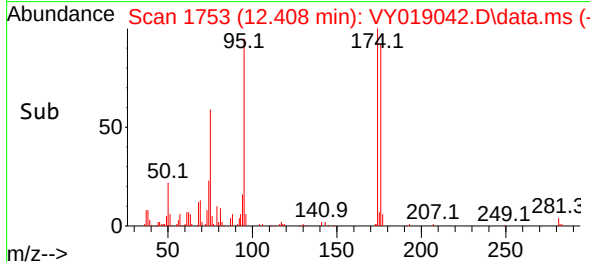
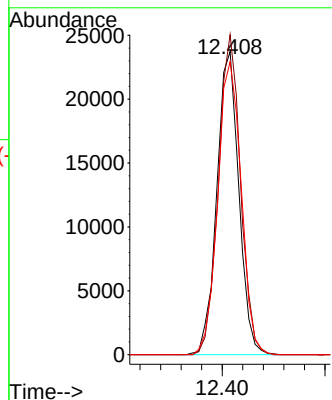
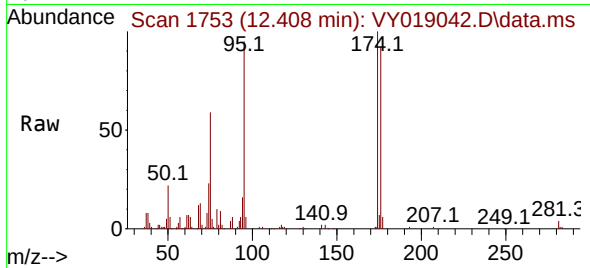




#62
4-Bromofluorobenzene
Concen: 42.500 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

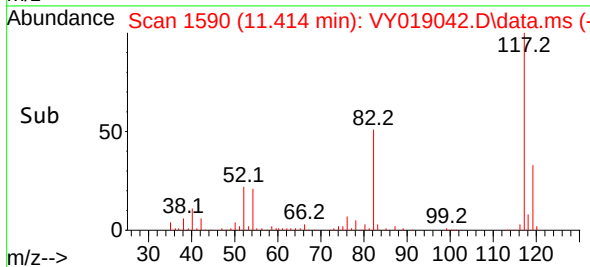
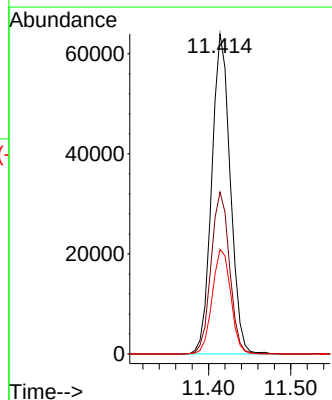
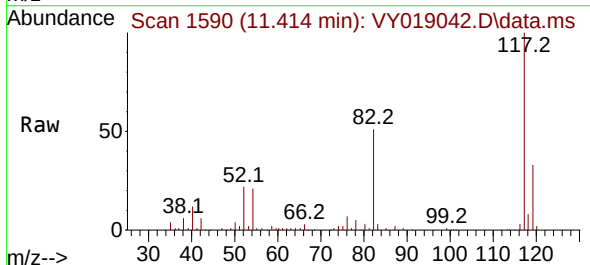
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IN-SITU-SOIL

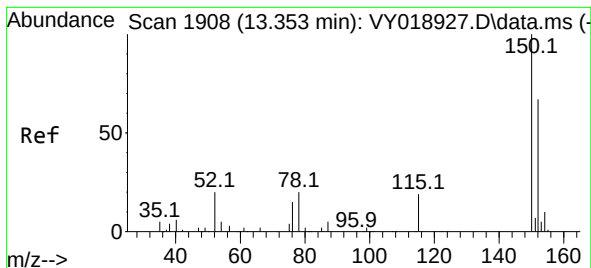
Tgt Ion: 95 Resp: 35146
Ion Ratio Lower Upper
95 100
174 106.3 0.0 175.6
176 103.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019042.D
Acq: 13 Aug 2024 20:26

Tgt Ion: 117 Resp: 100277
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY019042.D

Acq: 13 Aug 2024 20:26

Instrument :

MSVOA_Y

ClientSampleId :

IN-SITU-SOIL

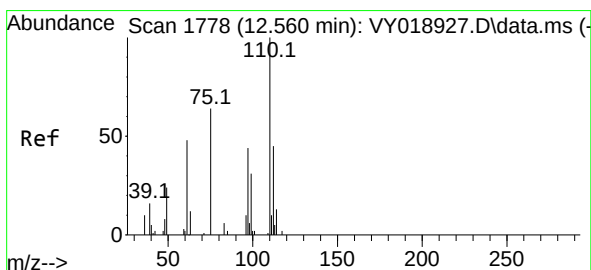
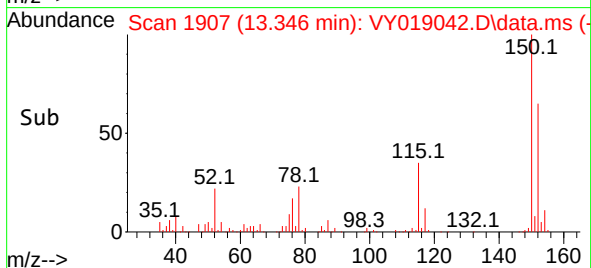
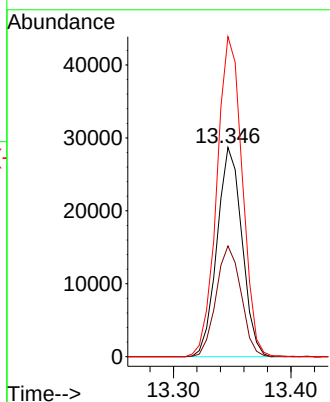
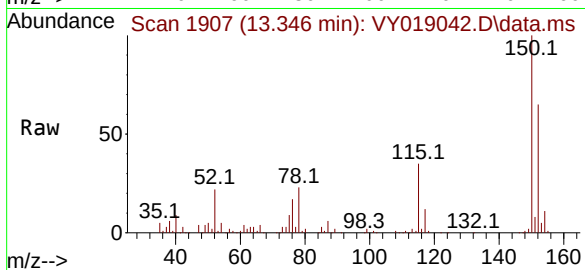
Tgt Ion:152 Resp: 42376

Ion Ratio Lower Upper

152 100

115 52.9 28.2 84.7

150 156.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.310 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019042.D

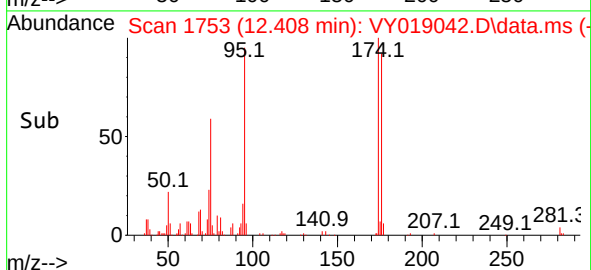
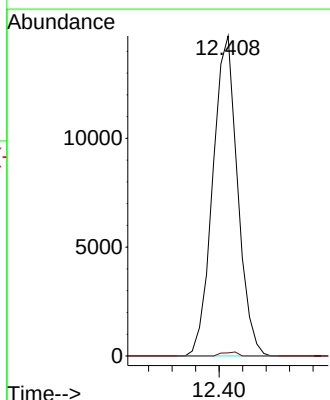
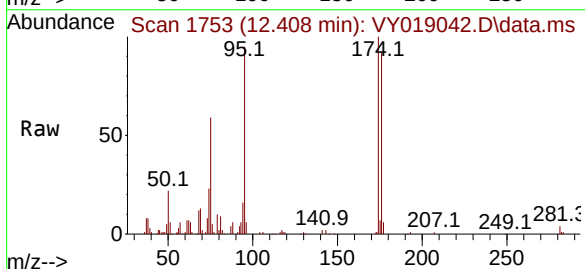
Acq: 13 Aug 2024 20:26

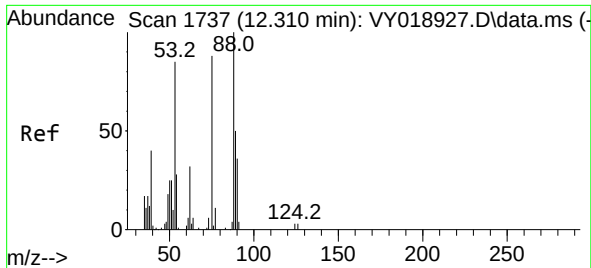
Tgt Ion: 75 Resp: 21565

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.758 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019042.D
 Acq: 13 Aug 2024 20:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 IN-SITU-SOIL

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

