

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021492.D
 Acq On : 11 Mar 2025 17:29
 Operator : SY/MD
 Sample : Q1494-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 12 01:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

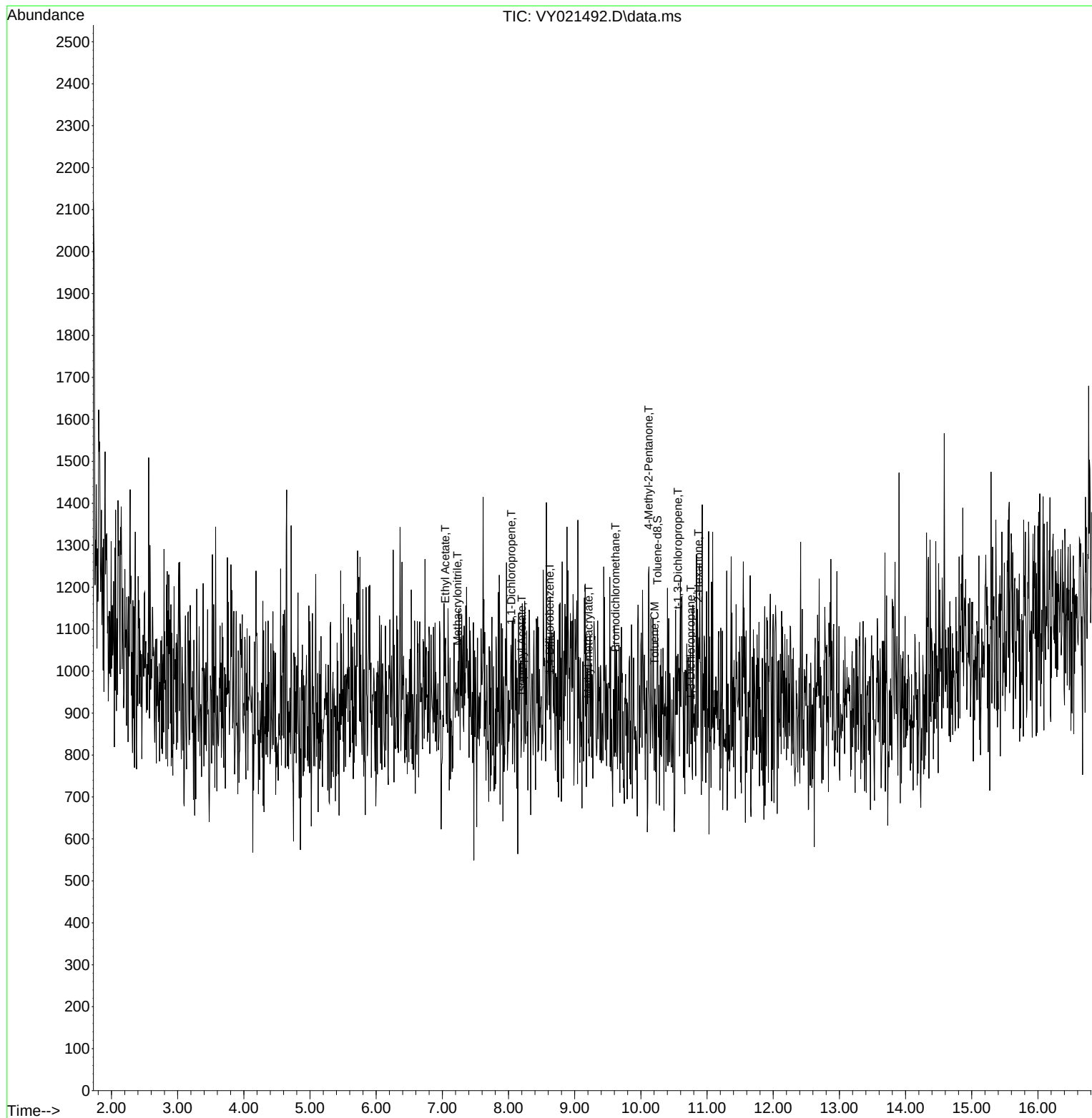
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.71
34) 1,4-Difluorobenzene	8.622	114	21	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.42
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.116	65	22	0.000	ug/l	0.05
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.249	98	19	36.353	ug/l	0.14
Spiked Amount	50.000	Range	58 - 134	Recovery	=	72.700%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						Qvalue
36) 1,1-Dichloropropene	8.042	75	26	120.331	ug/l #	41
37) Ethyl Acetate	7.043	43	31	324.607	ug/l #	68
41) Methacrylonitrile	7.226	41	22	423.078	ug/l #	24
43) Isopropyl Acetate	8.201	43	31	167.215	ug/l #	52
47) Bromodichloromethane	9.615	83	26	116.153	ug/l #	25
48) Methyl methacrylate	9.207	41	20	234.935	ug/l #	13
51) 4-Methyl-2-Pentanone	10.115	43	54	564.529	ug/l #	36
52) Toluene	10.207	92	20	49.840	ug/l #	1
53) t-1,3-Dichloropropene	10.560	75	66	334.669	ug/l #	43
57) 1,3-Dichloropropane	10.755	76	40	209.319	ug/l #	42
59) 2-Hexanone	10.871	43	24	379.450	ug/l #	24

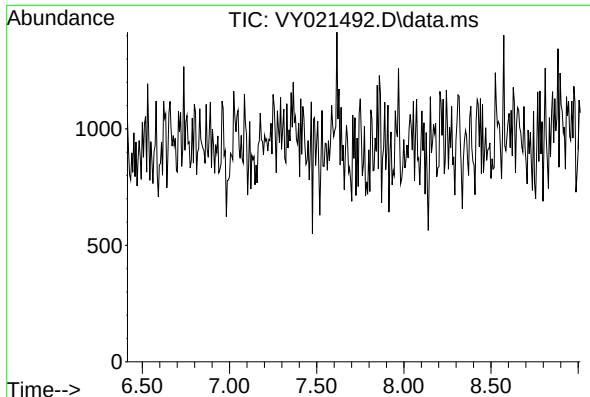
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021492.D
Acq On : 11 Mar 2025 17:29
Operator : SY/MD
Sample : Q1494-07
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

Quant Time: Mar 12 01:25:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

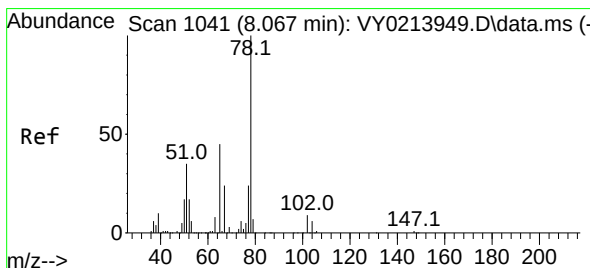
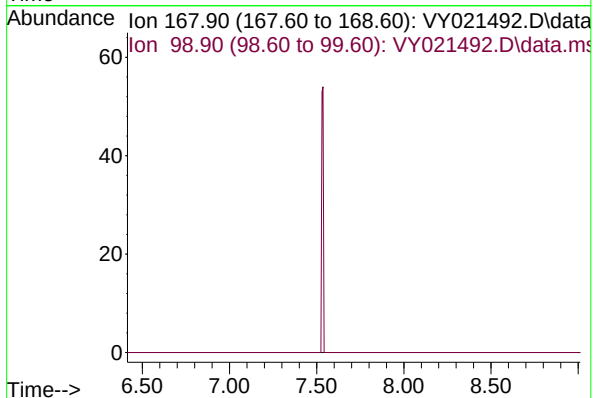




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.71 min
 Lab File: VY021492.D
 Acq: 11 Mar 2025 17:29

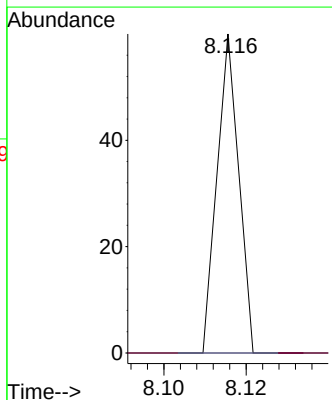
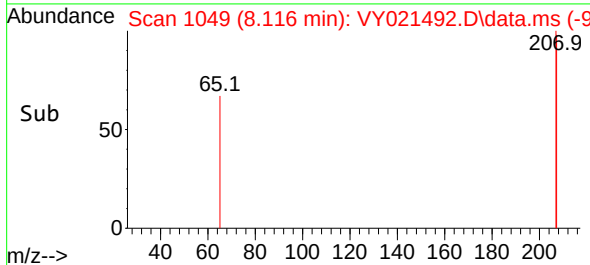
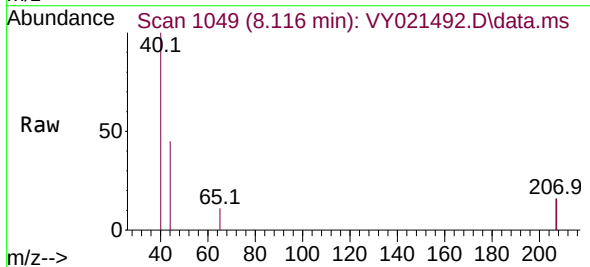
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

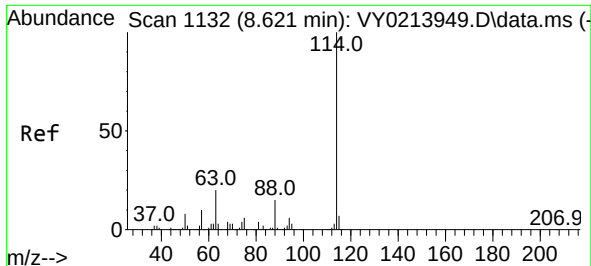
Tgt Ion: 168
 Sig Exp Ratio
 168 100
 99 57.5



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.116 min Scan# 1049
 Delta R.T. 0.049 min
 Lab File: VY021492.D
 Acq: 11 Mar 2025 17:29

Tgt Ion: 65 Resp: 22
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

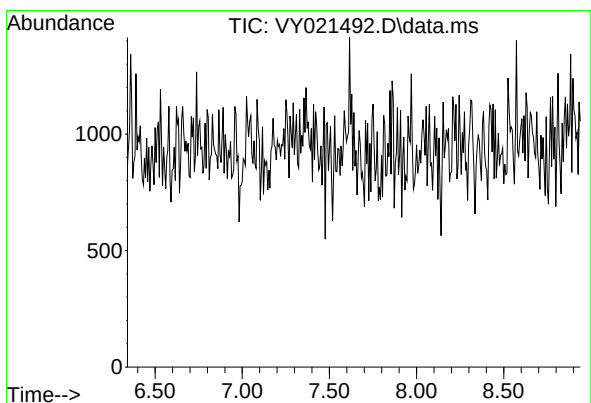
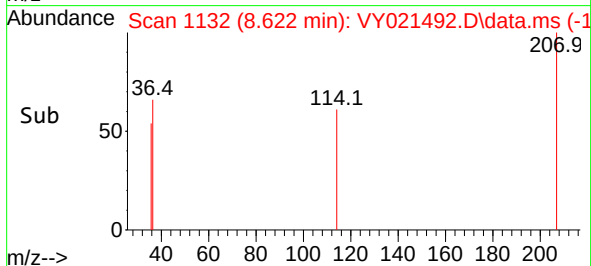
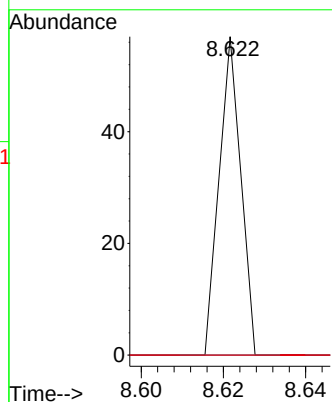
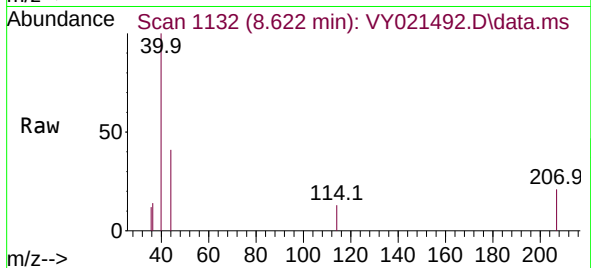
Tgt Ion:114 Resp: 21

Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.8

88 0.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.64 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

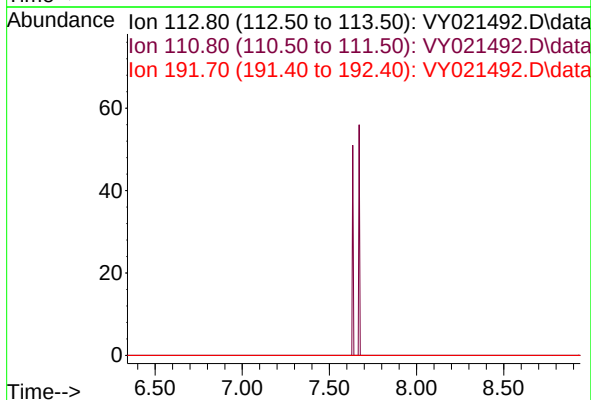
Tgt Ion: 113

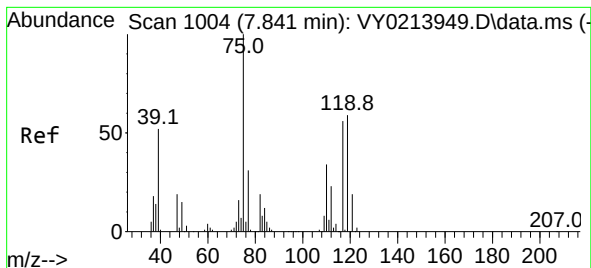
Sig Exp Ratio

113 100

111 102.5

192 19.9





#36

1,1-Dichloropropene

Concen: 120.331 ug/l

RT: 8.042 min Scan# 110

Delta R.T. 0.201 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

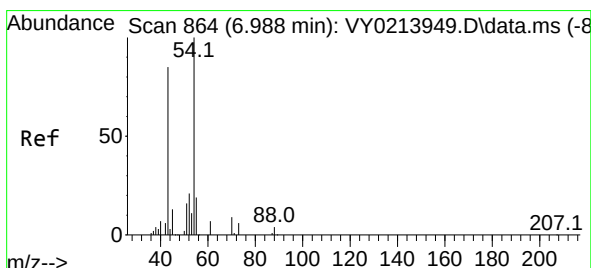
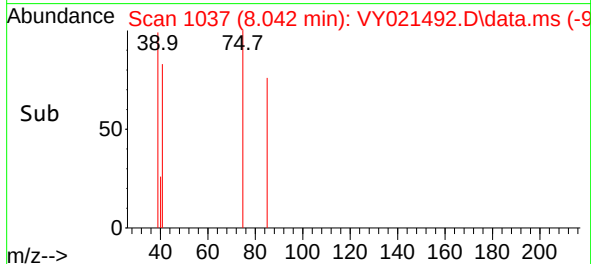
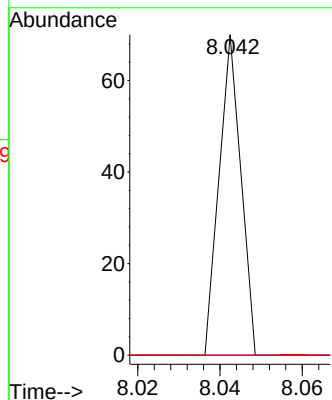
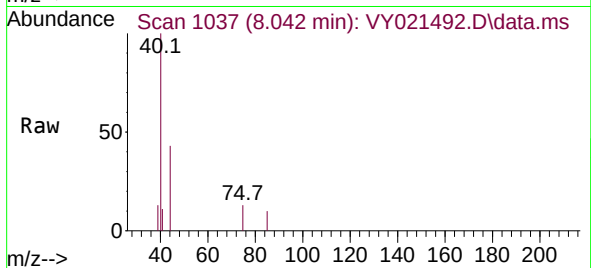
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

110 0.0 17.3 51.7#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 324.607 ug/l

RT: 7.043 min Scan# 873

Delta R.T. 0.055 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

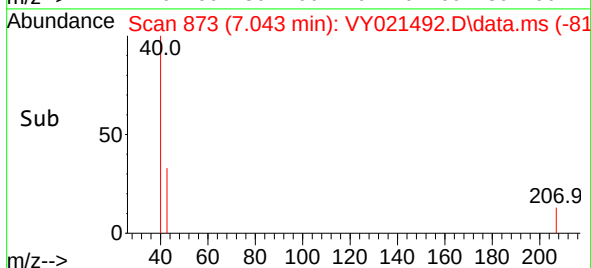
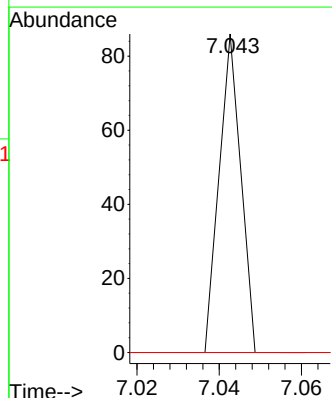
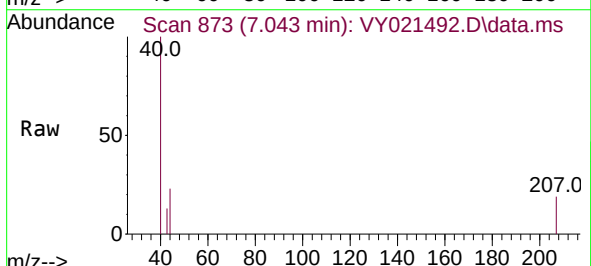
Tgt Ion: 43 Resp: 31

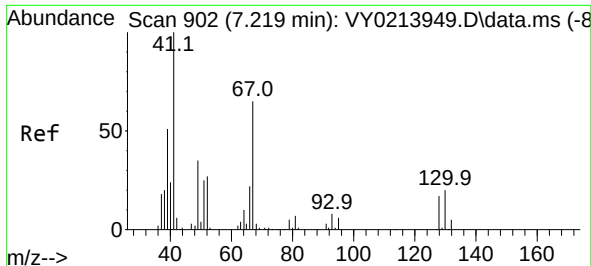
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.2 12.2#

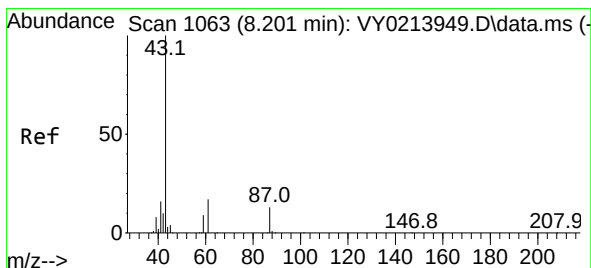
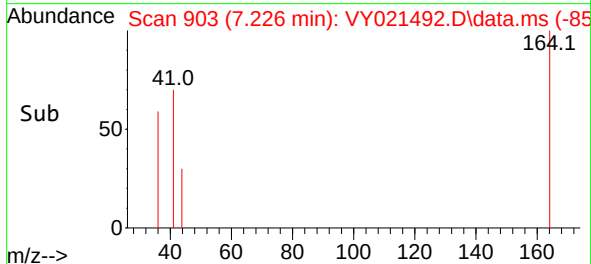
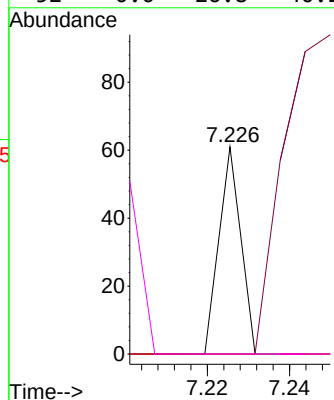
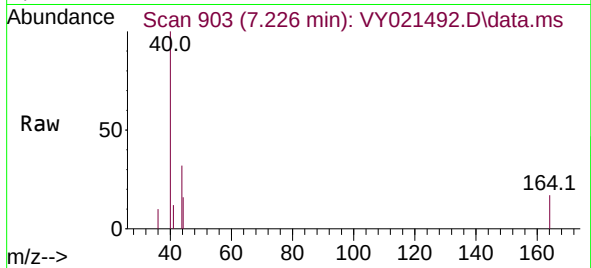




#41
Methacrylonitrile
Concen: 423.078 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

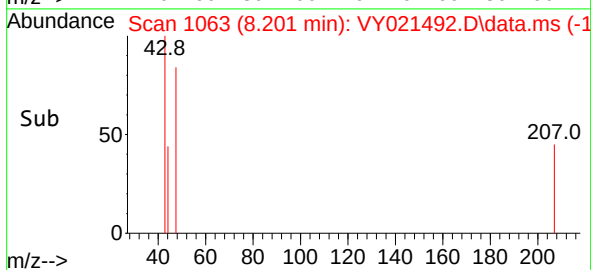
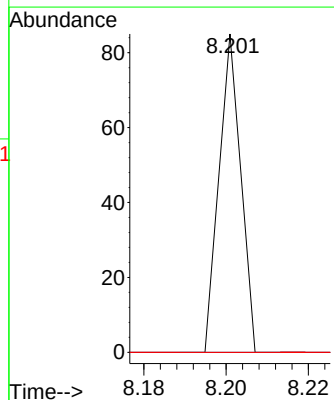
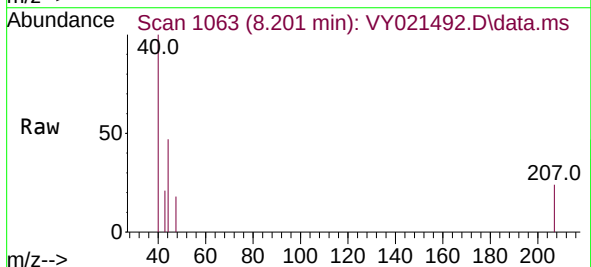
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

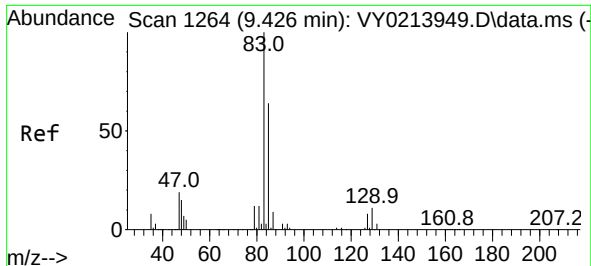
Tgt Ion:	41	Resp:	22
Ion	Ratio	Lower	Upper
41	100		
39	0.0	35.0	52.6#
67	0.0	61.2	91.8#
52	0.0	26.8	40.2#



#43
Isopropyl Acetate
Concen: 167.215 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Tgt Ion:	43	Resp:	31
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.0#
87	0.0	10.5	15.7#

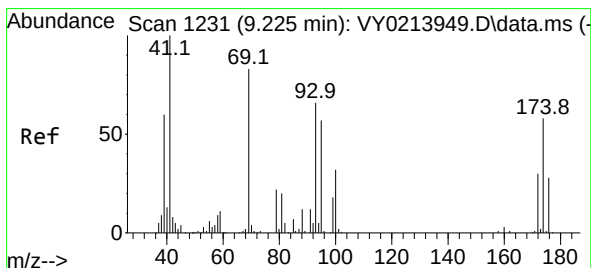
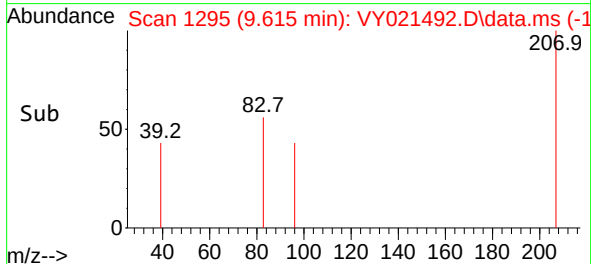
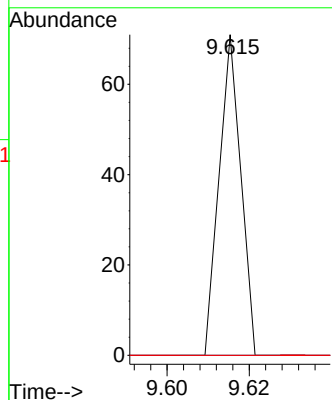
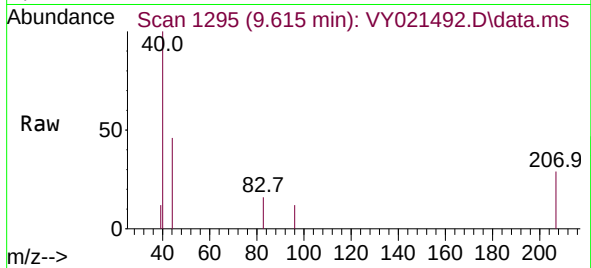




#47
Bromodichloromethane
Concen: 116.153 ug/l
RT: 9.615 min Scan# 11
Delta R.T. 0.189 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

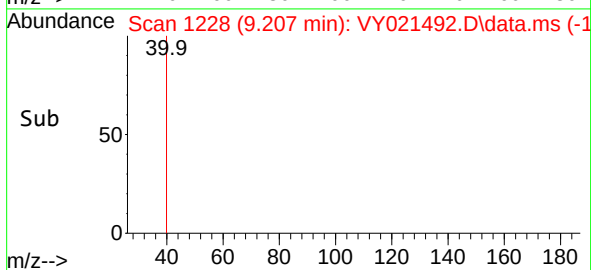
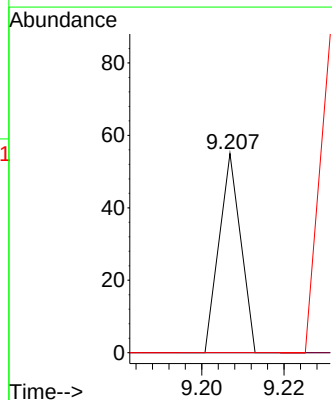
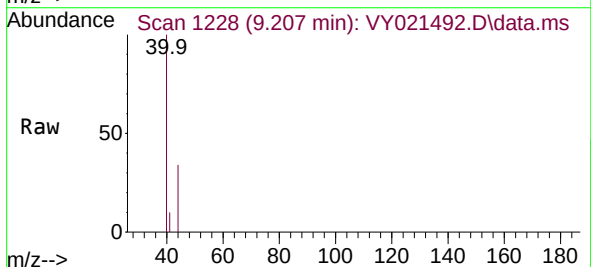
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

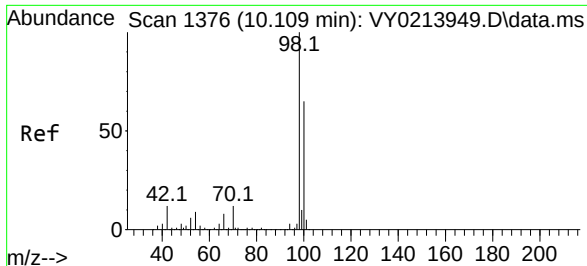
Tgt Ion: 83 Resp: 26
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#
127 0.0 6.7 10.1#



#48
Methyl methacrylate
Concen: 234.935 ug/l
RT: 9.207 min Scan# 1228
Delta R.T. -0.018 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 67.8 101.8#
39 0.0 46.4 69.6#





#50

Toluene-d8

Concen: 36.353 ug/l

RT: 10.249 min Scan# 11

Delta R.T. 0.140 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

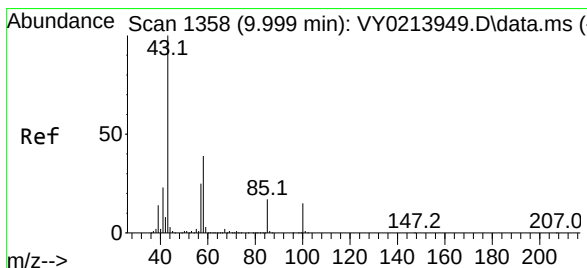
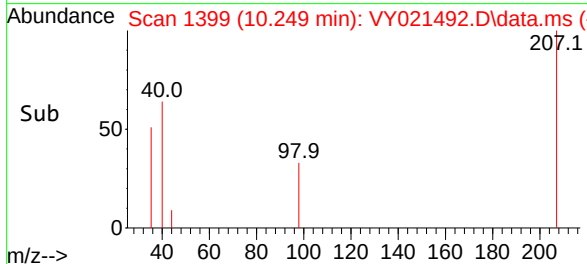
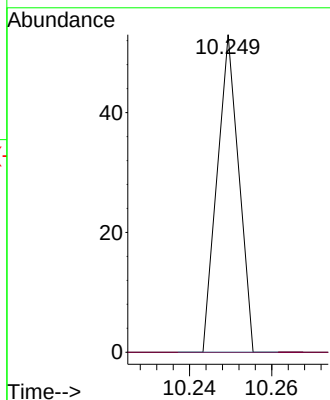
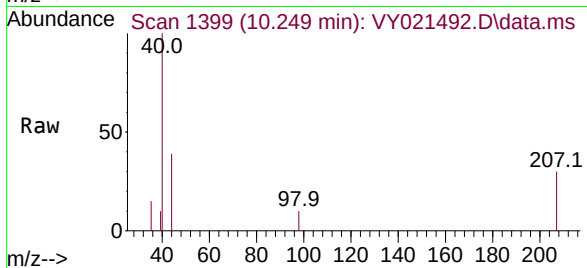
SOIL-COMP

Tgt Ion: 98 Resp: 19

Ion Ratio Lower Upper

98 100

100 0.0 52.1 78.1#



#51

4-Methyl-2-Pentanone

Concen: 564.529 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.116 min

Lab File: VY021492.D

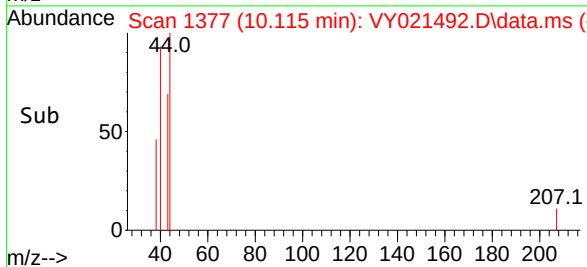
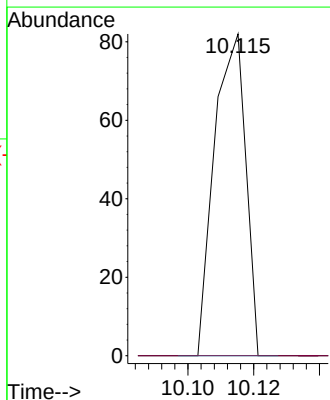
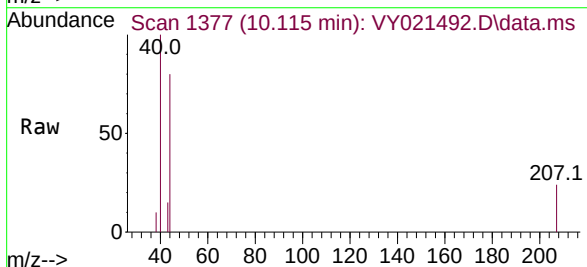
Acq: 11 Mar 2025 17:29

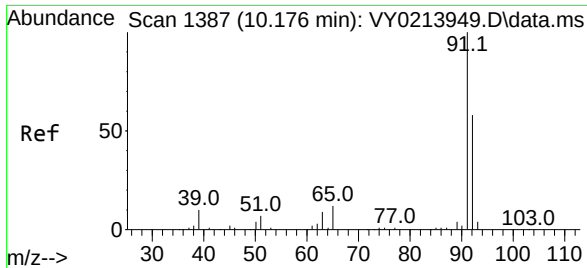
Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.2#

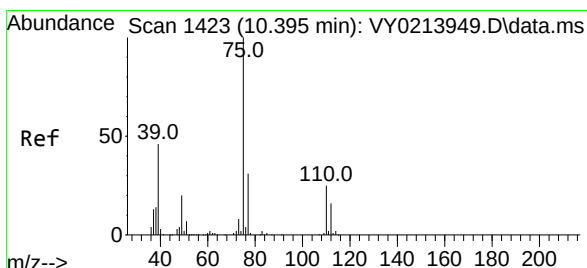
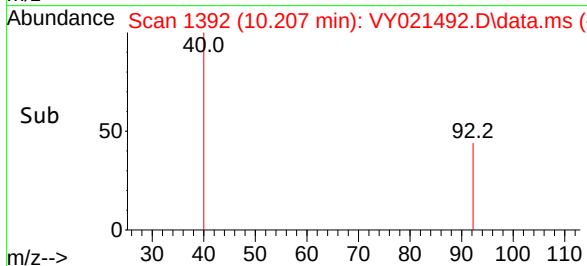
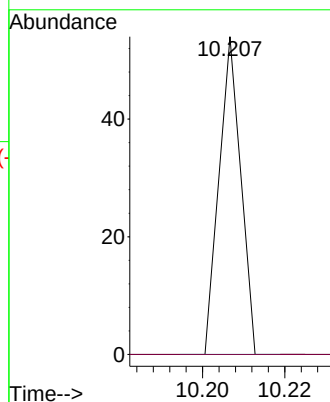
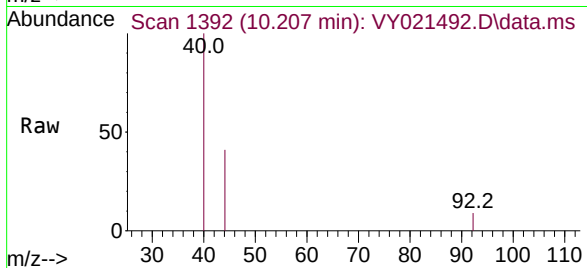




#52
Toluene
Concen: 49.840 ug/l
RT: 10.207 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

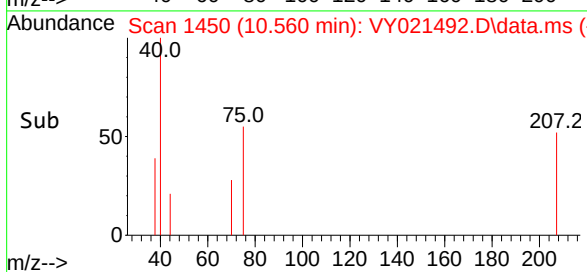
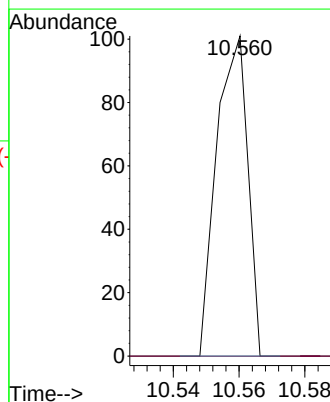
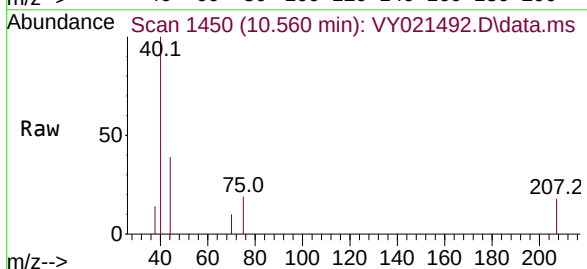
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

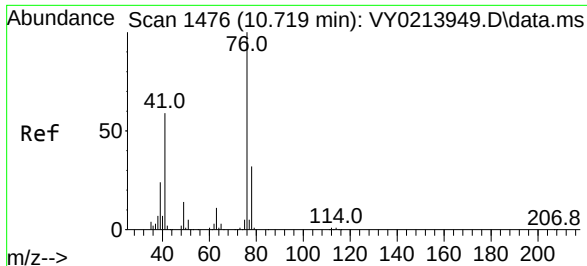
Tgt Ion: 92 Resp: 20
Ion Ratio Lower Upper
92 100
91 0.0 138.2 207.2#



#53
t-1,3-Dichloropropene
Concen: 334.669 ug/l
RT: 10.560 min Scan# 1450
Delta R.T. 0.165 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#





#57

1,3-Dichloropropane

Concen: 209.319 ug/l

RT: 10.755 min Scan# 14

Delta R.T. 0.037 min

Lab File: VY021492.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

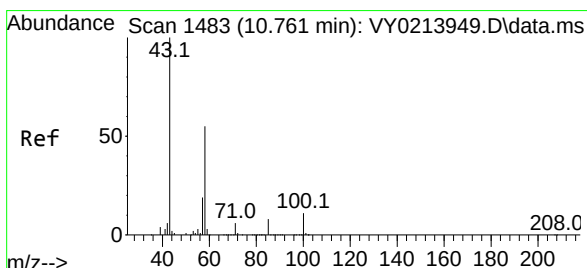
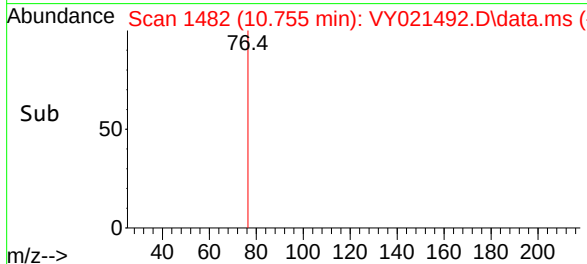
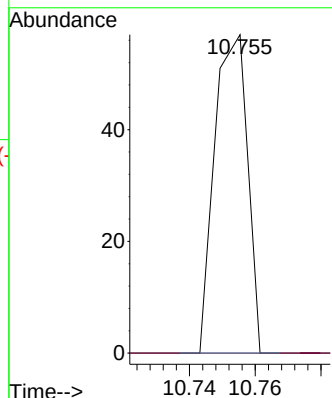
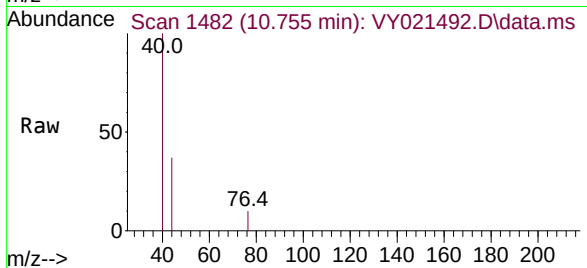
SOIL-COMP

Tgt Ion: 76 Resp: 40

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 379.450 ug/l

RT: 10.871 min Scan# 1501

Delta R.T. 0.110 min

Lab File: VY021492.D

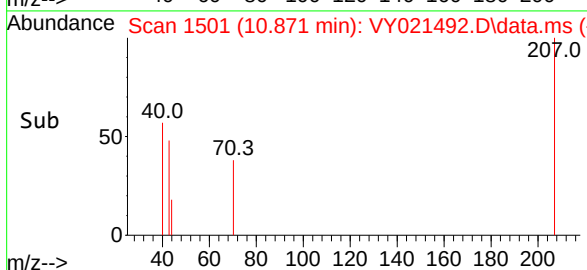
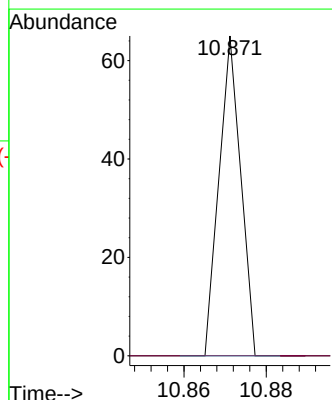
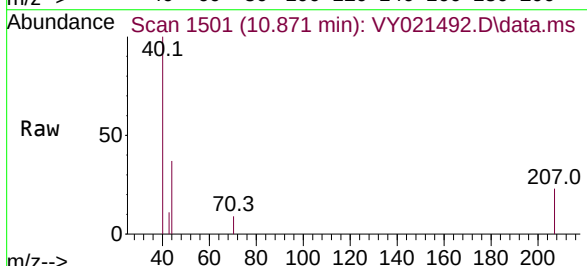
Acq: 11 Mar 2025 17:29

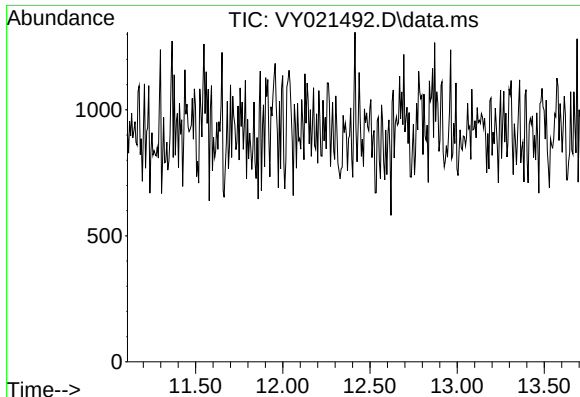
Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



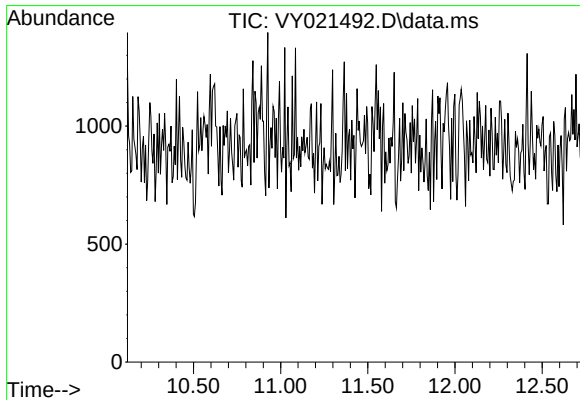
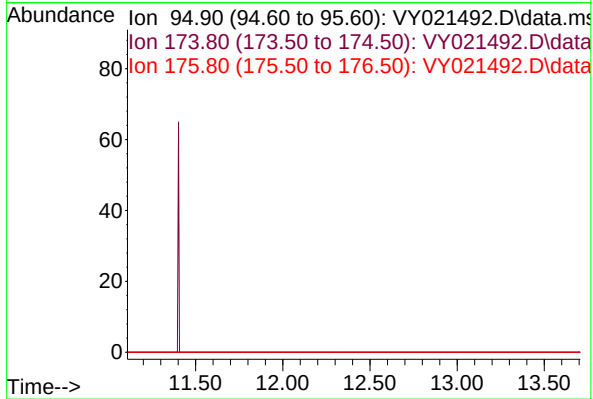


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.41 min

Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

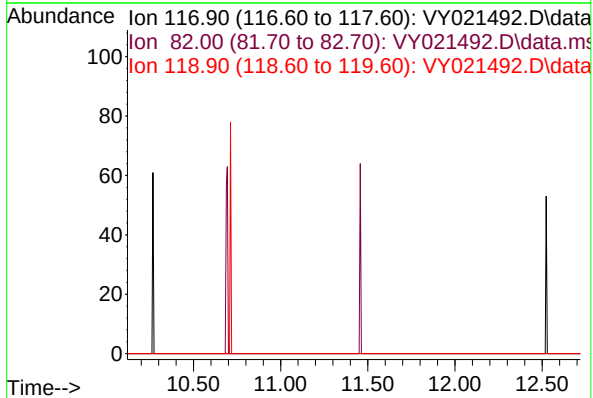
Tgt Ion: 95
Sig Exp Ratio
95 100
174 82.5
176 80.0

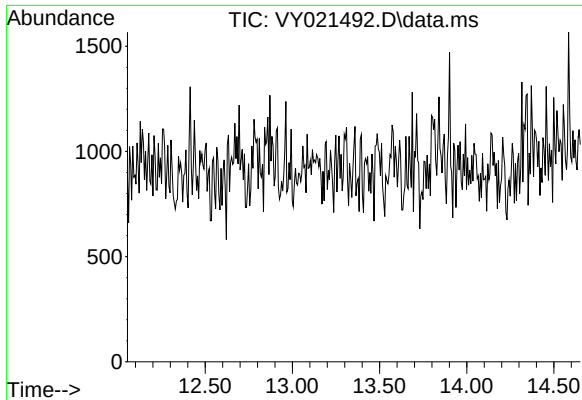


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.42 min

Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.8
119 31.7





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min
Lab File: VY021492.D
Acq: 11 Mar 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

Tgt Ion: 152
Sig Exp Ratio
152 100
115 58.0
150 173.6

