

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023630.D
 Acq On : 30 Oct 2025 14:13
 Operator : SY/MD
 Sample : Q3491-01
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-CUTTINGS-COMP

Quant Time: Oct 31 02:40:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	49188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	54391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	20110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2901	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5955	14.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	28.960%#
35) Dibromofluoromethane	7.646	113	9802	29.329	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	58.660%
50) Toluene-d8	10.109	98	53114	42.675	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.340%
62) 4-Bromofluorobenzene	12.408	95	5286	12.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	25.720%#

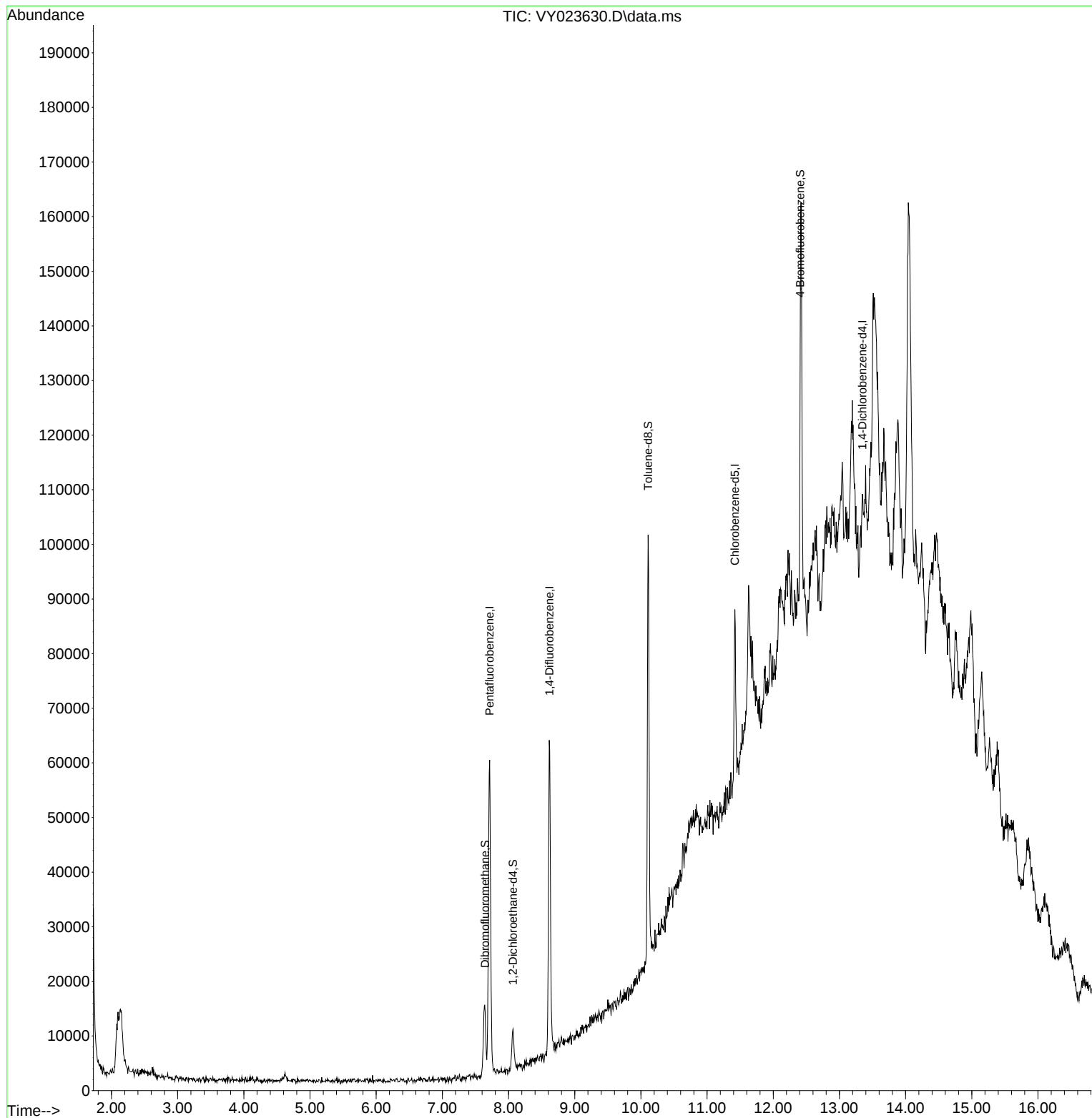
Target Compounds	Qvalue

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

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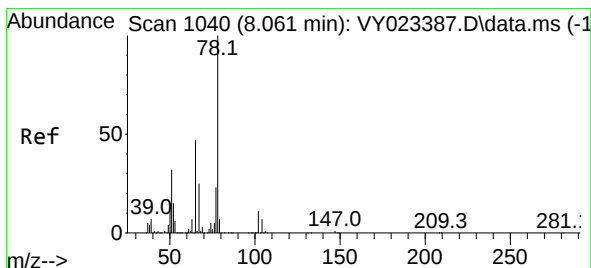
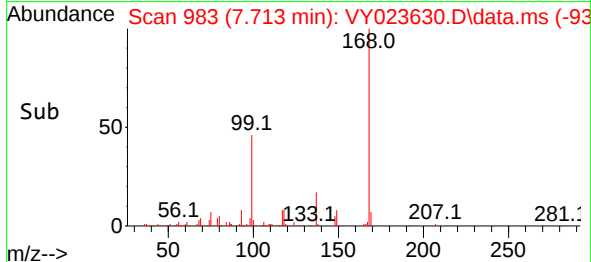
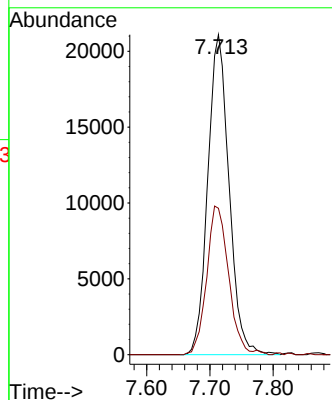
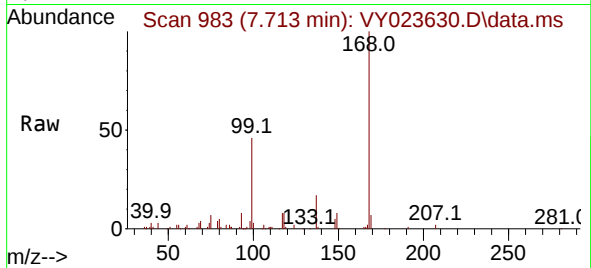




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

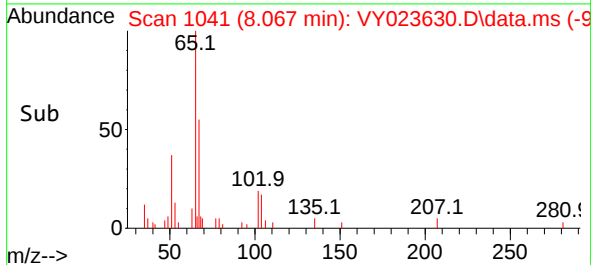
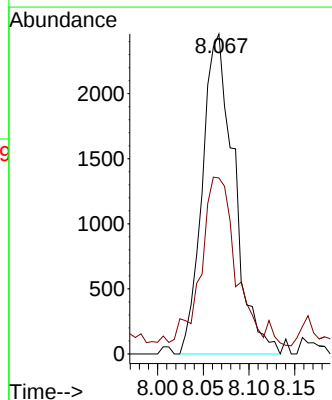
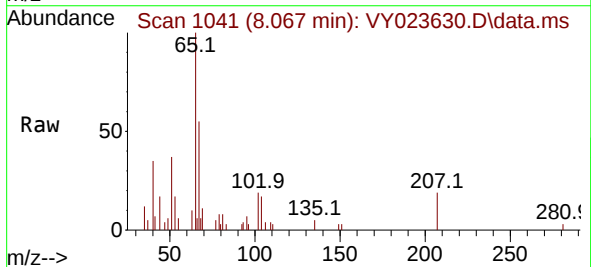
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

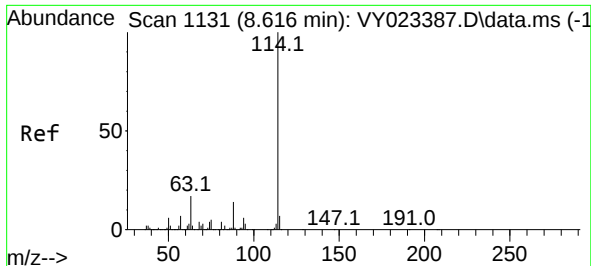
Tgt Ion:168 Resp: 49188
Ion Ratio Lower Upper
168 100
99 45.7 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 14.478 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

Tgt Ion: 65 Resp: 5955
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.8

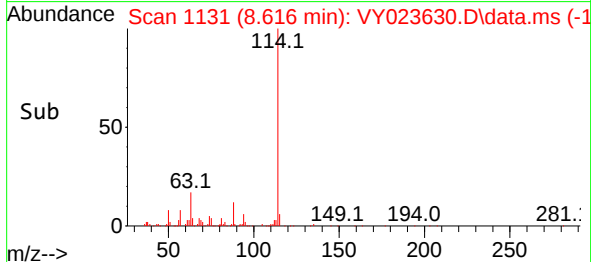
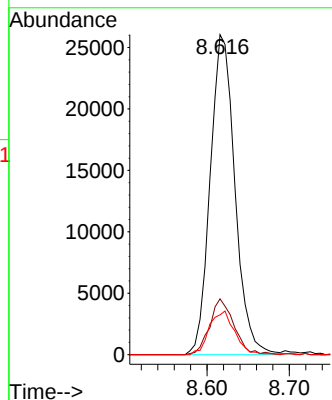
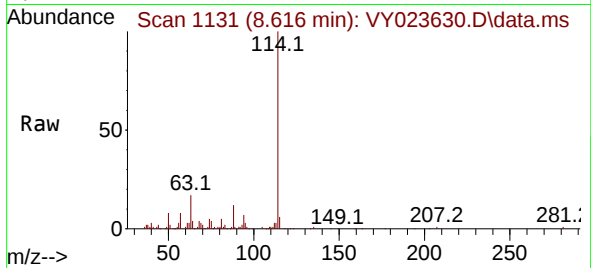




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

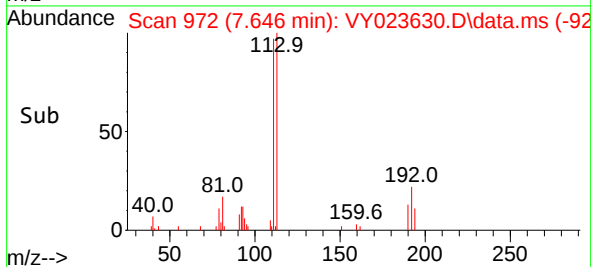
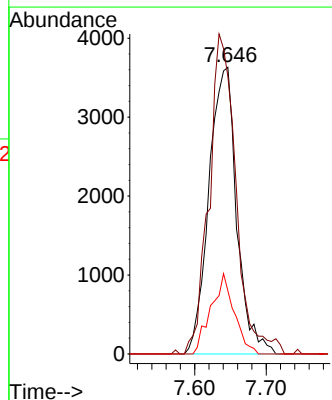
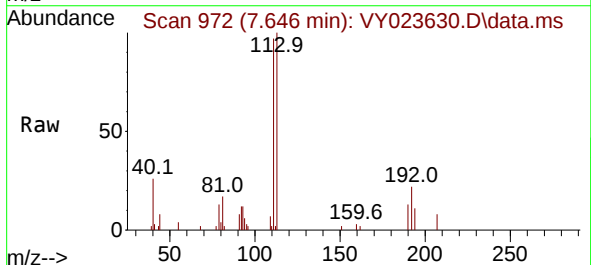
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

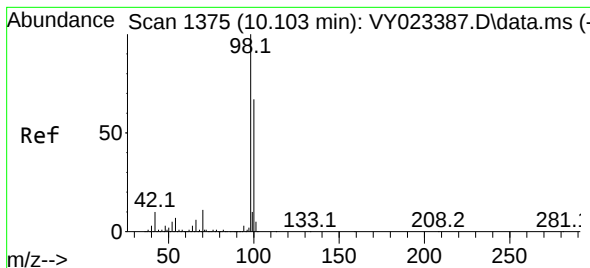
Tgt Ion:114 Resp: 54391
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.2
88 12.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 29.329 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

Tgt Ion:113 Resp: 9802
Ion Ratio Lower Upper
113 100
111 108.3 81.8 122.6
192 23.3 18.0 27.0





#50

Toluene-d8

Concen: 42.675 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023630.D

Acq: 30 Oct 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

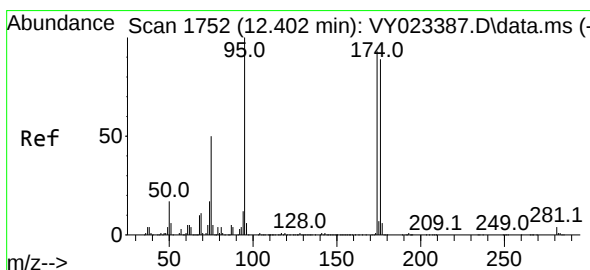
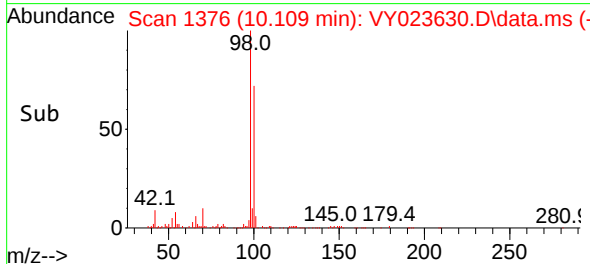
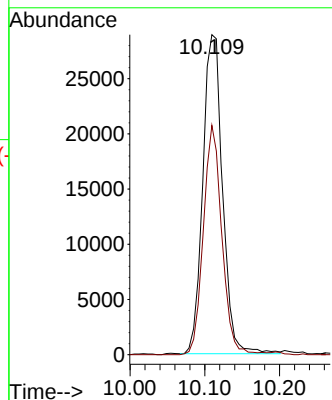
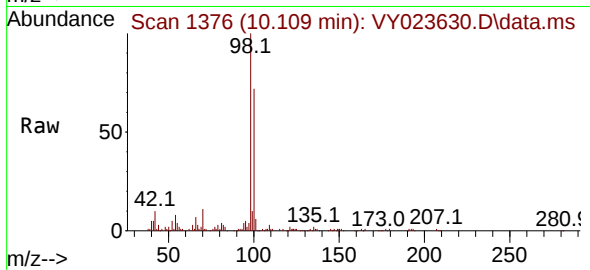
SOIL-CUTTINGS-COMP

Tgt Ion: 98 Resp: 53114

Ion Ratio Lower Upper

98 100

100 67.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 12.864 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023630.D

Acq: 30 Oct 2025 14:13

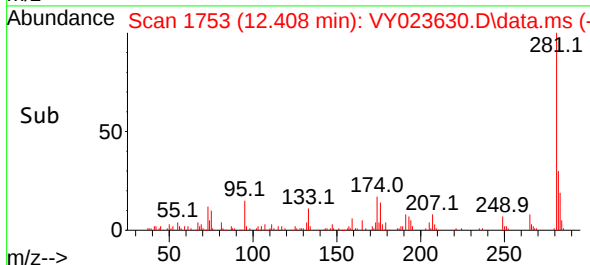
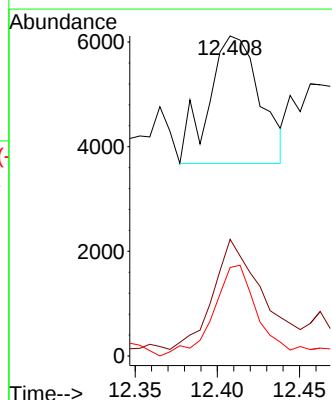
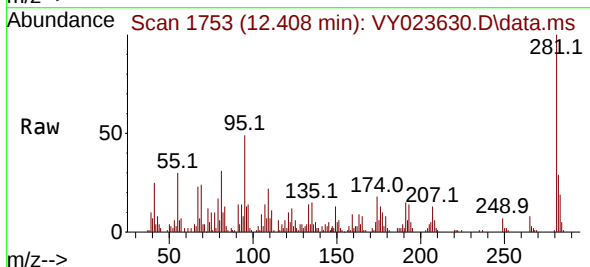
Tgt Ion: 95 Resp: 5286

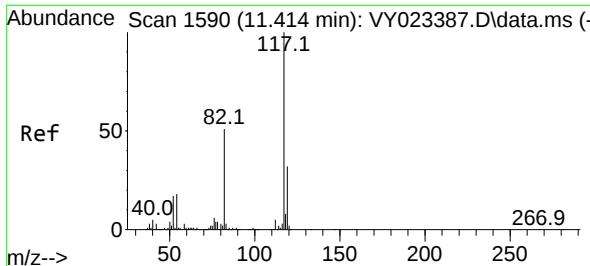
Ion Ratio Lower Upper

95 100

174 82.6 0.0 192.8

176 68.0 0.0 187.6

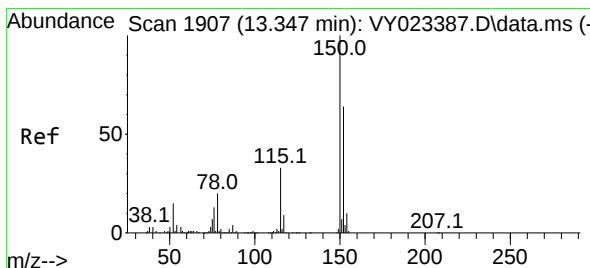
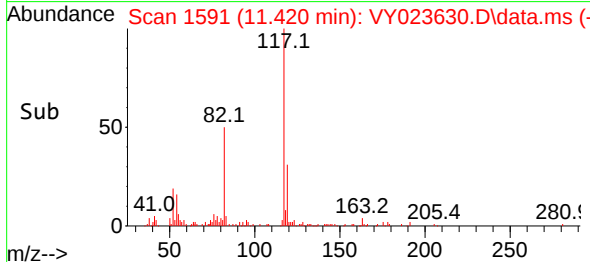
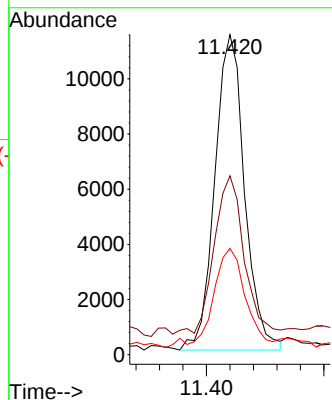
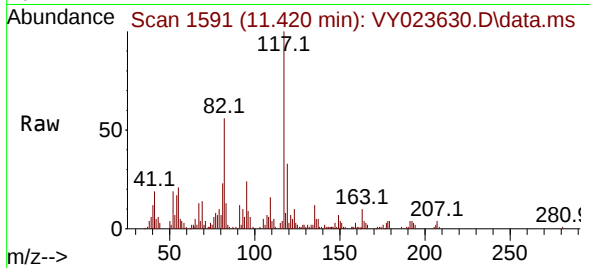




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

Tgt Ion:117	Resp:	20110
Ion Ratio	Lower	Upper
117	100	
82	49.0	41.0 61.4
119	28.7	25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023630.D
Acq: 30 Oct 2025 14:13

Tgt Ion:152	Resp:	2901
Ion Ratio	Lower	Upper
152	100	
115	33.3	27.1 81.2
150	105.3	0.0 347.4

