

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022525.D
 Acq On : 03 Jun 2025 16:11
 Operator : SY/MD
 Sample : Q2161-02
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B28-SOIL-SAMPLE

Quant Time: Jun 04 04:14:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	724	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.622	114	1254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	472	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	29	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376	46.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.860%
35) Dibromofluoromethane	7.652	113	122	16.300	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	32.600%#
50) Toluene-d8	10.103	98	997	32.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	65.940%
62) 4-Bromofluorobenzene	12.395	95	278	30.851	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.700%

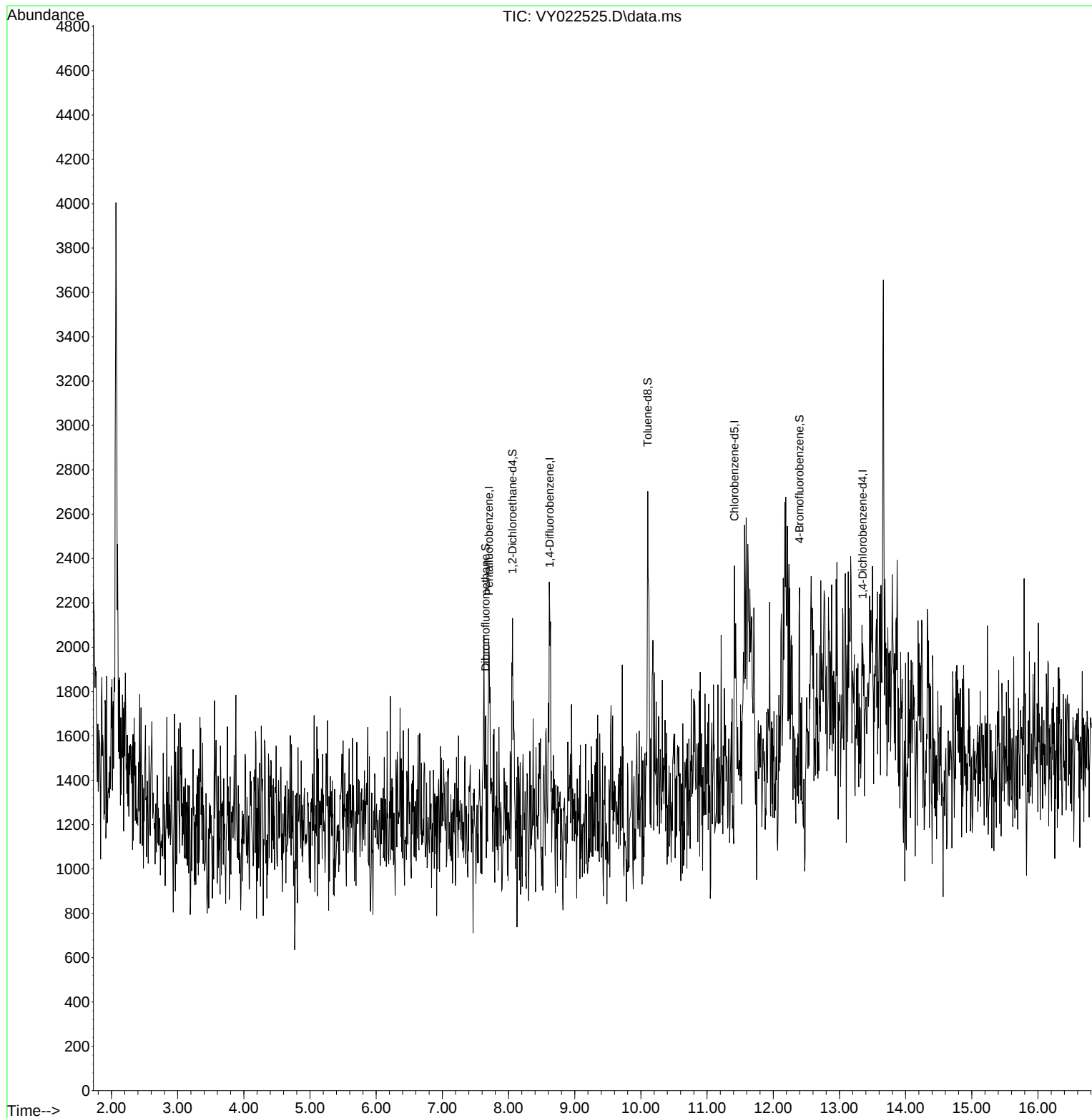
Target Compounds	Qvalue

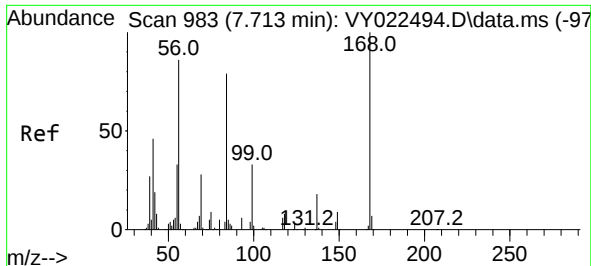
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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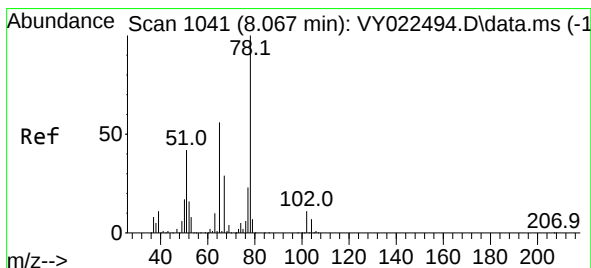
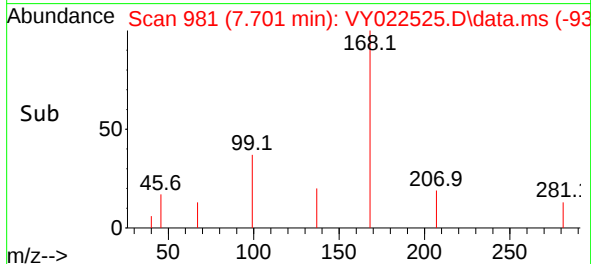
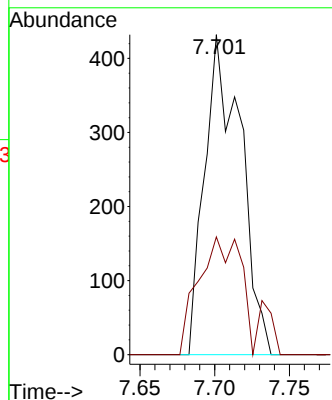
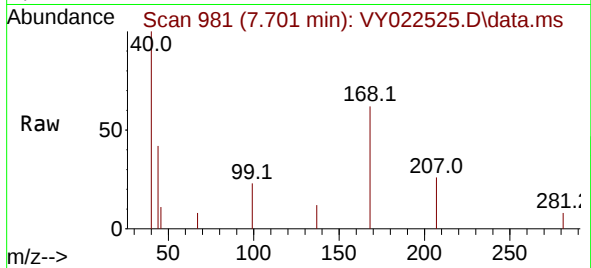




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

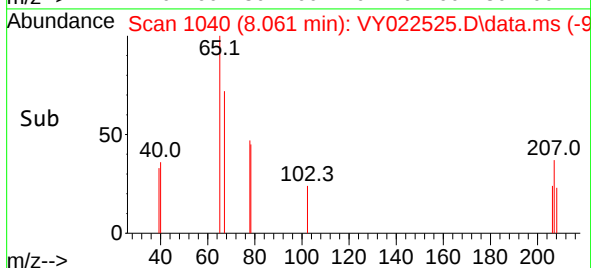
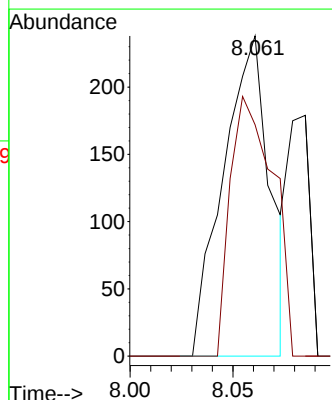
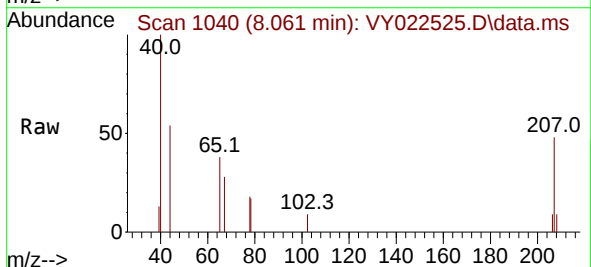
Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

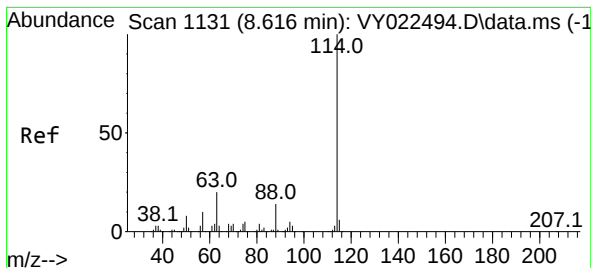
Tgt Ion:168 Resp: 724
Ion Ratio Lower Upper
168 100
99 36.8 44.3 66.5#



#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

Tgt Ion: 65 Resp: 376
Ion Ratio Lower Upper
65 100
67 74.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022525.D

Acq: 03 Jun 2025 16:11

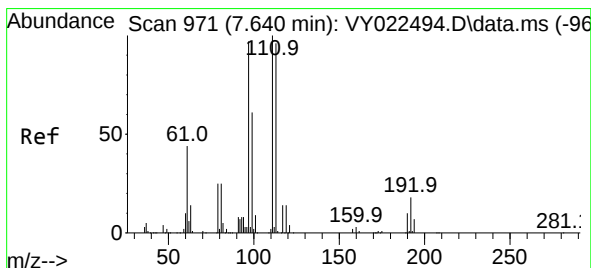
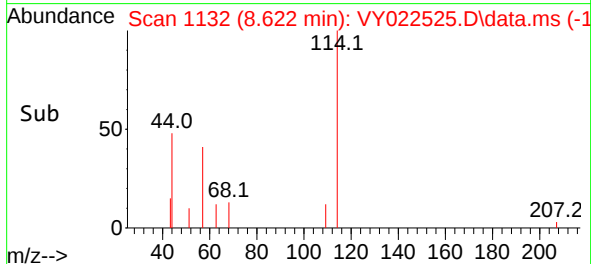
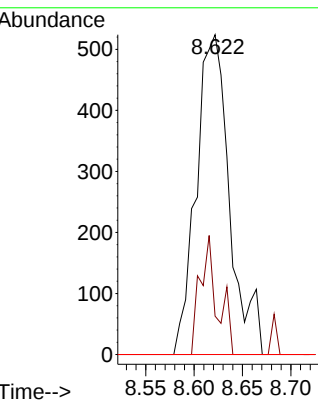
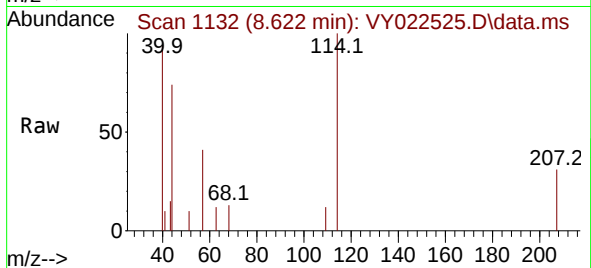
Instrument :

MSVOA_Y

ClientSampleId :

B28-SOIL-SAMPLE

Tgt Ion:114	Resp:	1254
Ion Ratio	Lower	Upper
114	100	
63	12.0	0.0 40.8
88	0.0	0.0 27.8



#35

Dibromofluoromethane

Concen: 16.300 ug/l

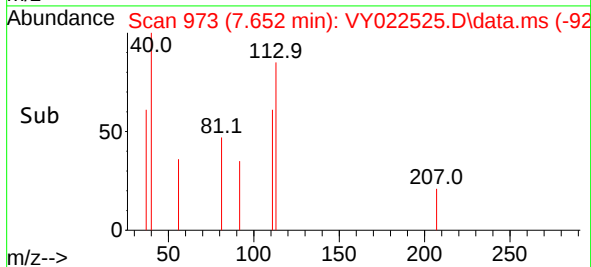
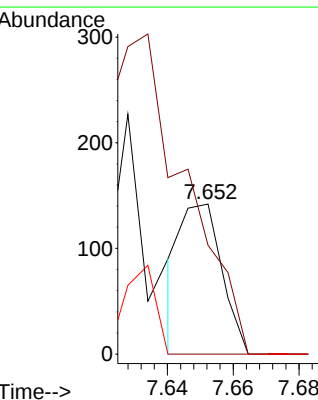
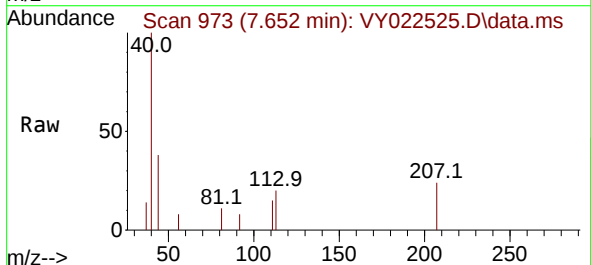
RT: 7.652 min Scan# 973

Delta R.T. 0.012 min

Lab File: VY022525.D

Acq: 03 Jun 2025 16:11

Tgt Ion:113	Resp:	122
Ion Ratio	Lower	Upper
113	100	
111	0.0	81.1 121.7#
192	0.0	14.2 21.2#

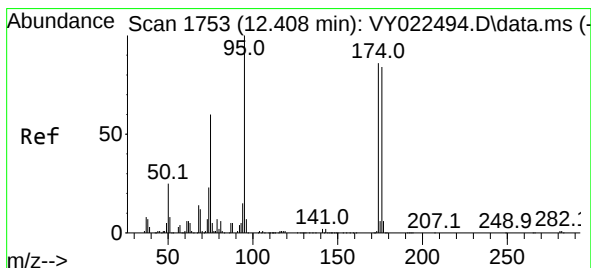
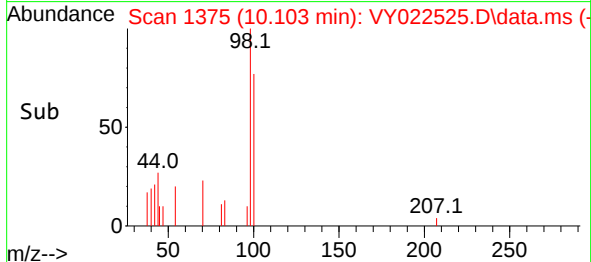
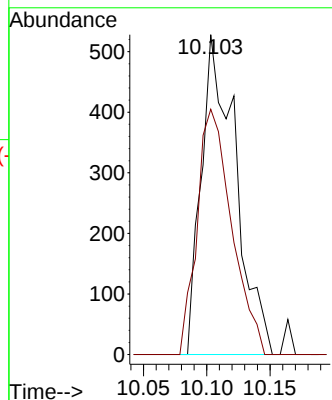
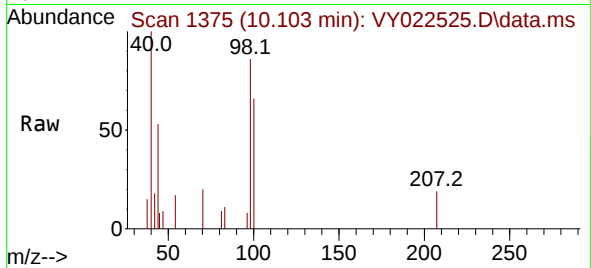




#50
Toluene-d8
Concen: 32.966 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

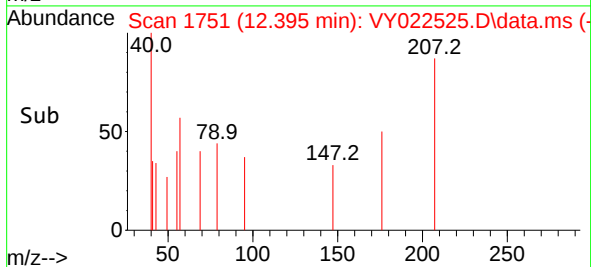
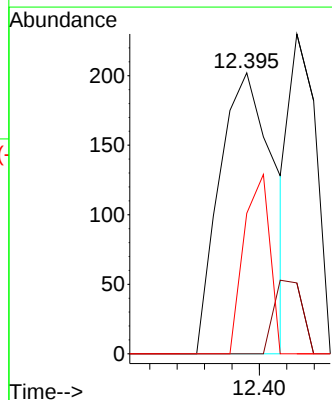
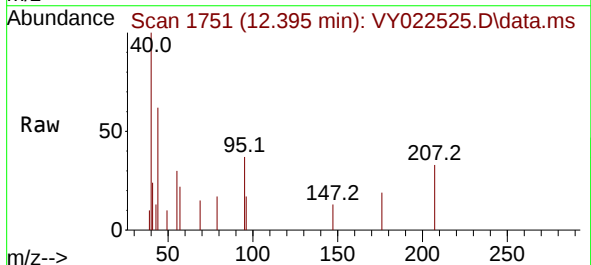
Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

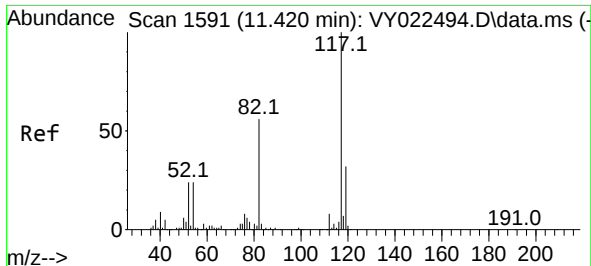
Tgt Ion: 98 Resp: 997
Ion Ratio Lower Upper
98 100
100 77.2 51.4 77.0#



#62
4-Bromofluorobenzene
Concen: 30.851 ug/l
RT: 12.395 min Scan# 1751
Delta R.T. -0.012 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

Tgt Ion: 95 Resp: 278
Ion Ratio Lower Upper
95 100
174 13.7 0.0 170.0
176 30.2 0.0 166.2

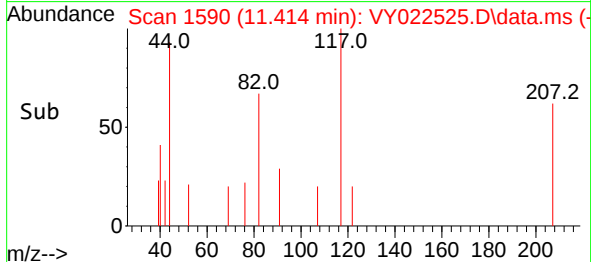
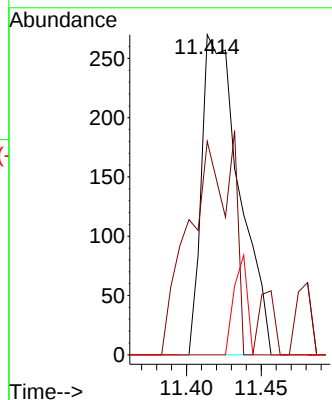
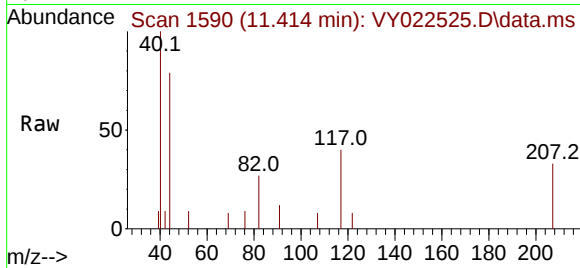




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion:117 Resp: 472
Ion Ratio Lower Upper
117 100
82 66.7 44.6 66.8
119 0.0 25.4 38.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022525.D
Acq: 03 Jun 2025 16:11

Tgt Ion:152 Resp: 29
Ion Ratio Lower Upper
152 100
115 262.1 28.9 86.7#
150 0.0 0.0 349.6

