

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046451.D
 Acq On : 02 Jun 2025 17:56
 Operator : JC/MD
 Sample : Q2161-02
 Misc : 5.50g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 B28-SOIL-SAMPLE

Quant Time: Jun 03 01:35:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	62971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58380	49.728	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.460%
35) Dibromofluoromethane	5.385	113	42001	46.845	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.680%
50) Toluene-d8	8.647	98	158324	51.019	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.040%
62) 4-Bromofluorobenzene	11.079	95	64005	53.769	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.540%

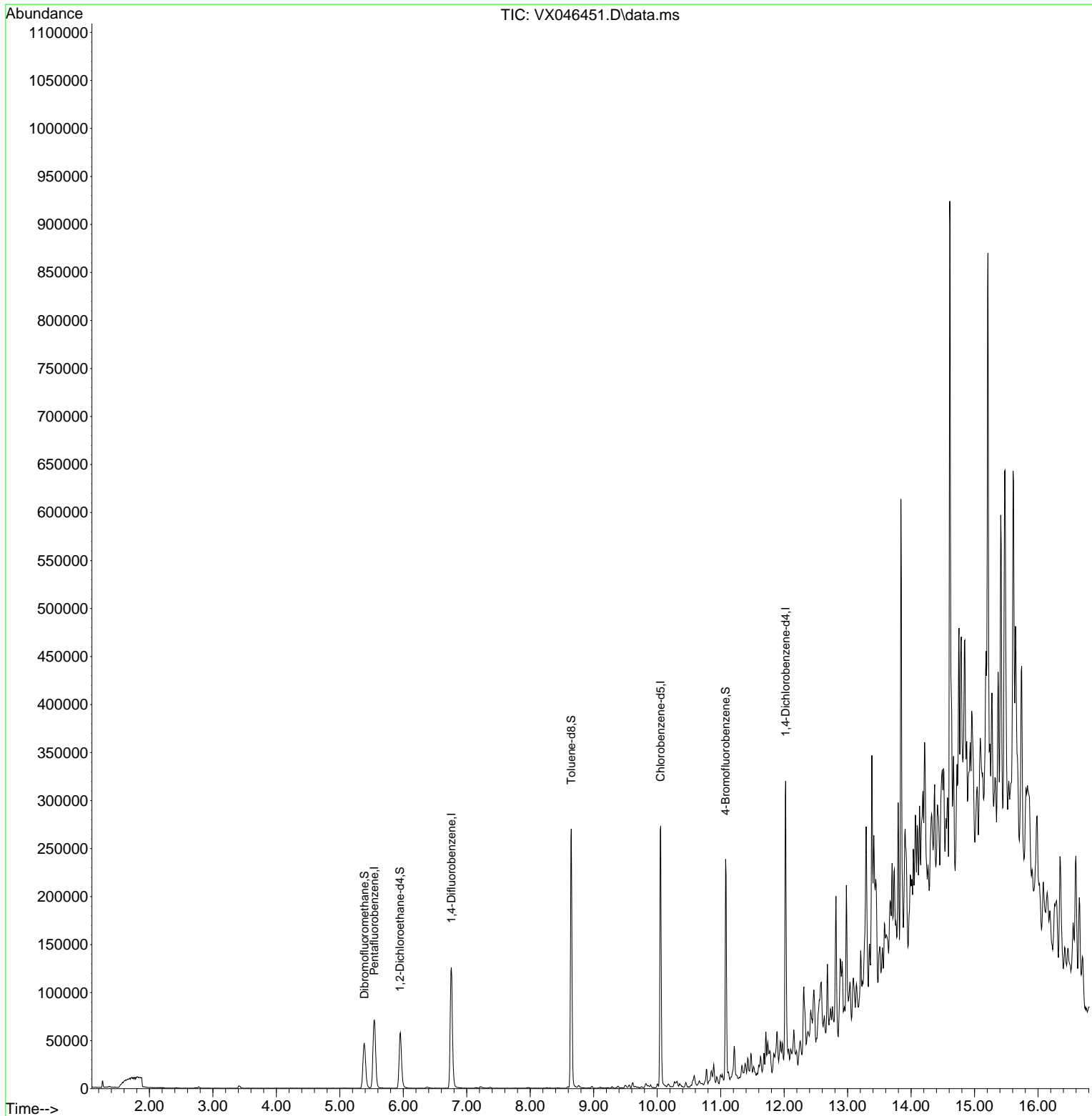
Target Compounds Qvalue

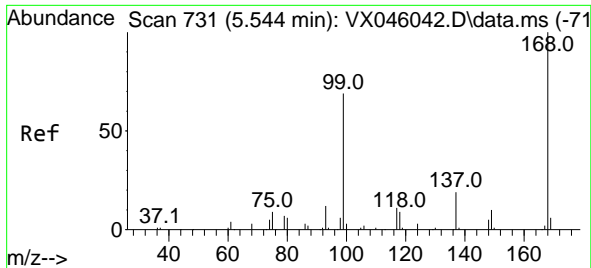
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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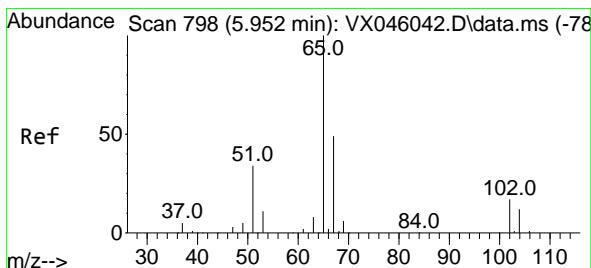
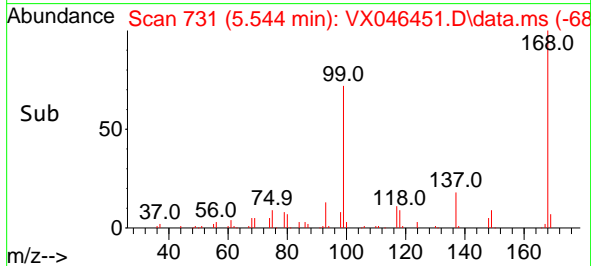
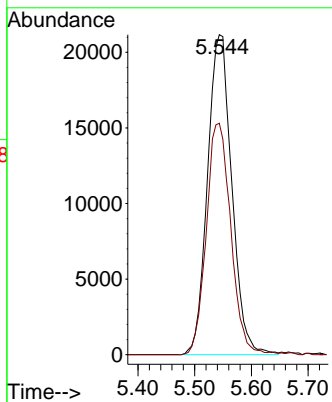
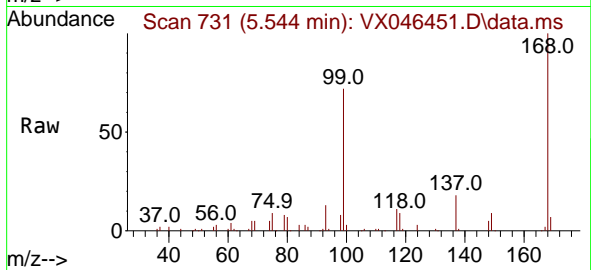




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

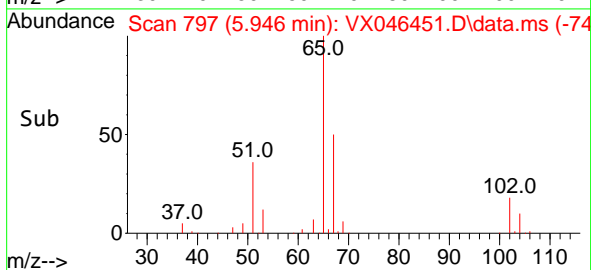
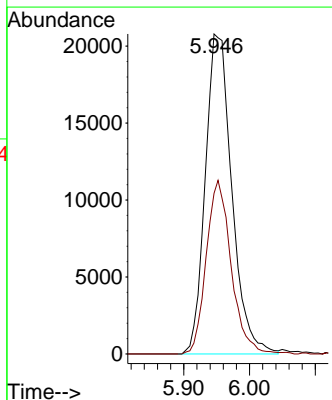
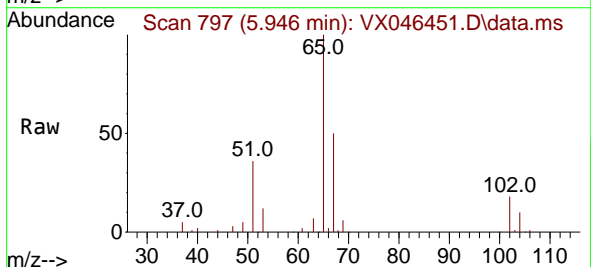
Instrument :
 MSVOA_X
 ClientSampleId :
 B28-SOIL-SAMPLE

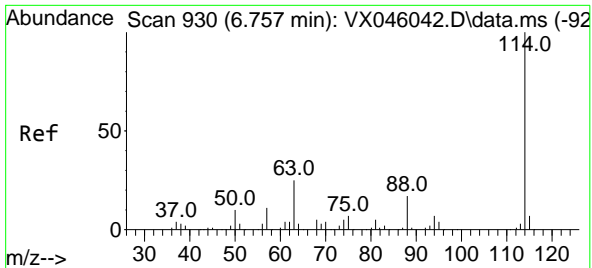
Tgt Ion:168 Resp: 62971
 Ion Ratio Lower Upper
 168 100
 99 72.3 54.9 82.3



#33
 1,2-Dichloroethane-d4
 Concen: 49.728 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Tgt Ion: 65 Resp: 58380
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.0



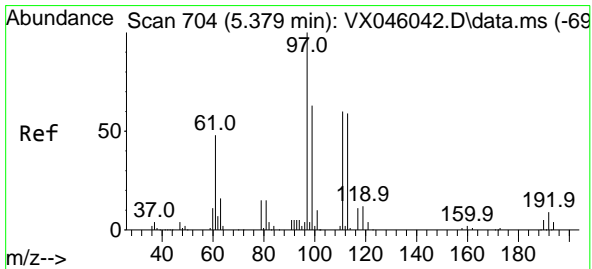
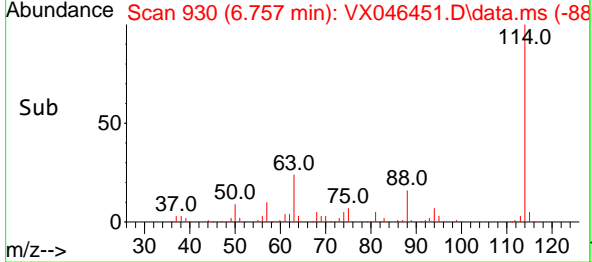
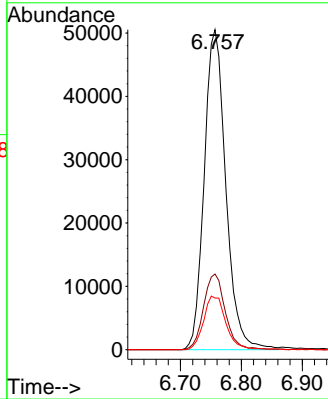
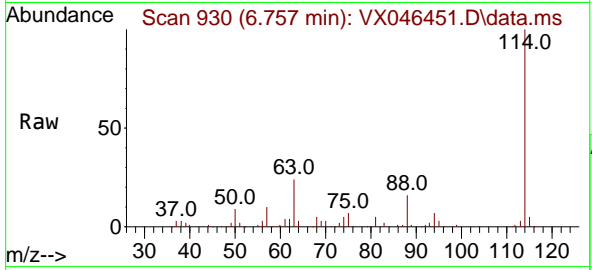


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Instrument : MSVOA_X
 ClientSampleId : B28-SOIL-SAMPLE

Tgt Ion:114 Resp: 124510

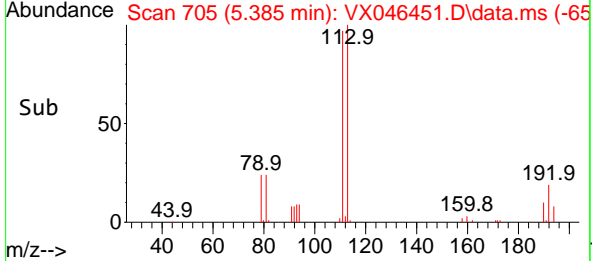
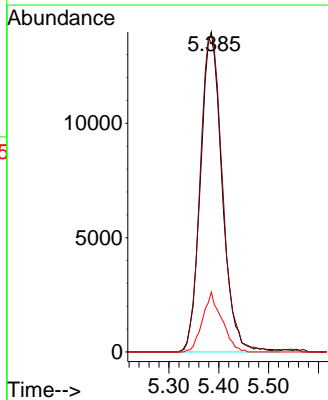
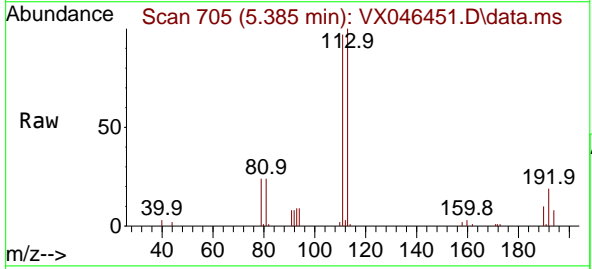
Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	16.2	0.0	33.6

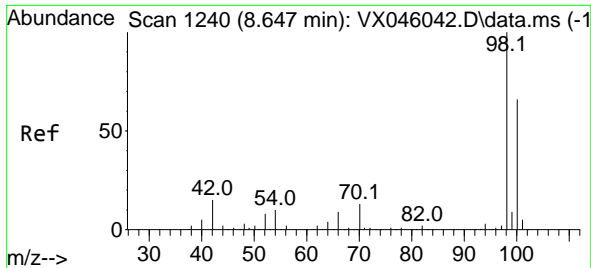


#35
 Dibromofluoromethane
 Concen: 46.845 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Tgt Ion:113 Resp: 42001

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	16.7	13.3	19.9

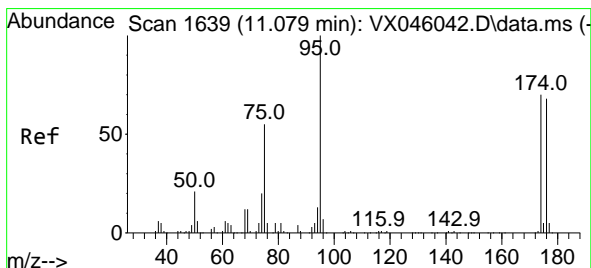
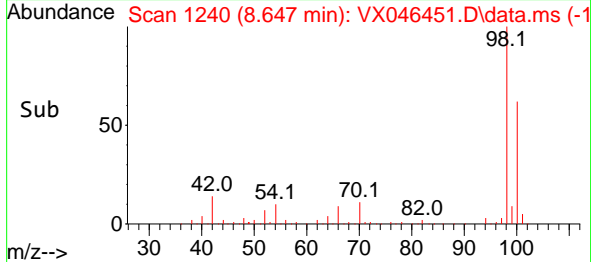
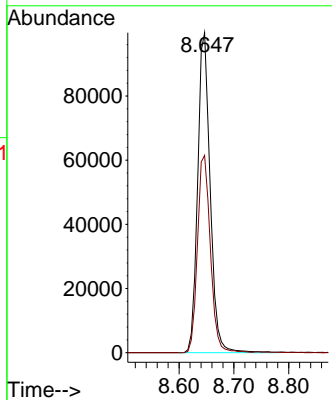
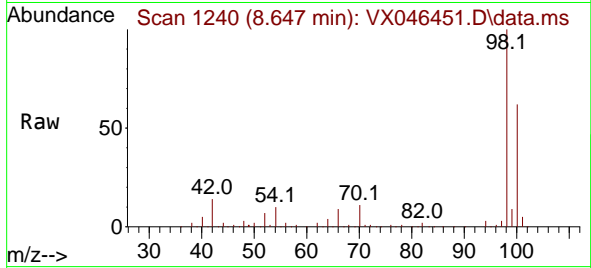




#50
 Toluene-d8
 Concen: 51.019 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

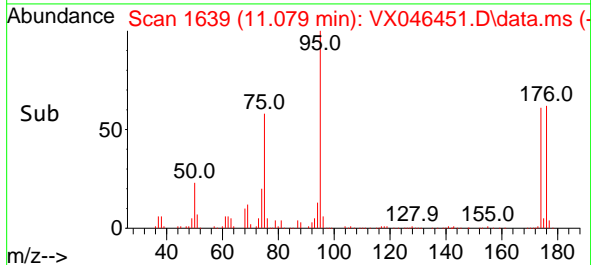
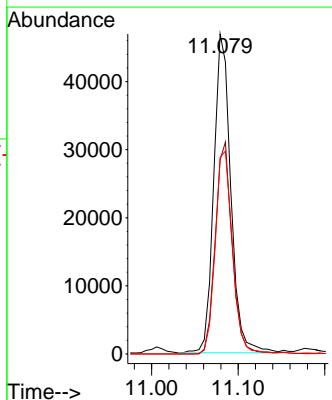
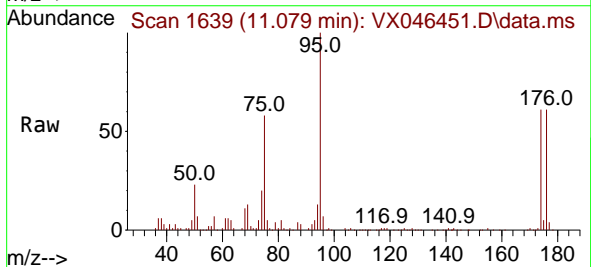
Instrument :
 MSVOA_X
 ClientSampleId :
 B28-SOIL-SAMPLE

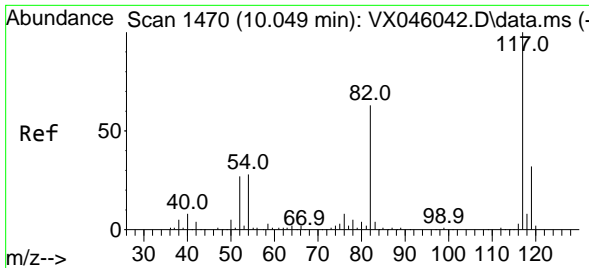
Tgt Ion: 98 Resp: 158324
 Ion Ratio Lower Upper
 98 100
 100 63.7 53.5 80.3



#62
 4-Bromofluorobenzene
 Concen: 53.769 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Tgt Ion: 95 Resp: 64005
 Ion Ratio Lower Upper
 95 100
 174 65.9 0.0 135.8
 176 64.2 0.0 131.4



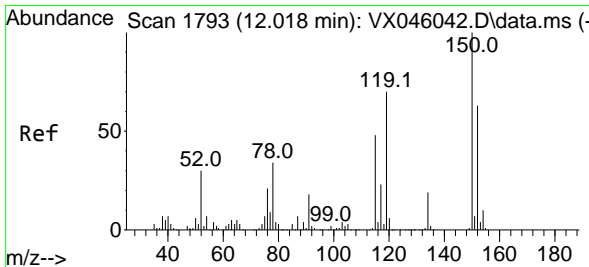
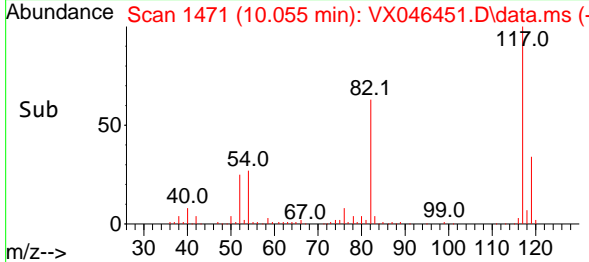
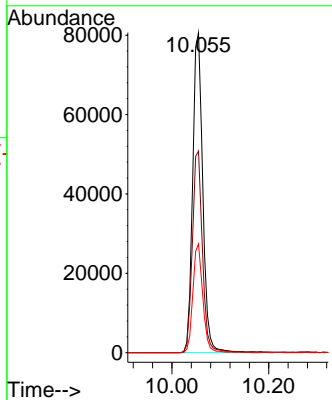
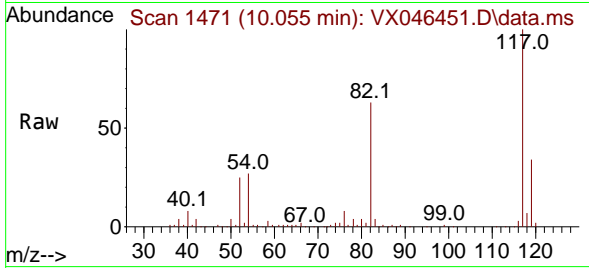


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.055 min Scan# 1471
 Delta R.T. 0.006 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Instrument : MSVOA_X
 ClientSampleId : B28-SOIL-SAMPLE

Tgt Ion:117 Resp: 116885

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	34.0	25.8	38.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.006 min
 Lab File: VX046451.D
 Acq: 02 Jun 2025 17:56

Tgt Ion:152 Resp: 56286

Ion	Ratio	Lower	Upper
152	100		
115	64.5	46.9	140.7
150	156.8	0.0	351.0

