

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046233.D
 Acq On : 16 May 2025 11:25
 Operator : JC/MD
 Sample : Q2027-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B27-SOIL-SAMPLE

Quant Time: May 16 23:02:11 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)

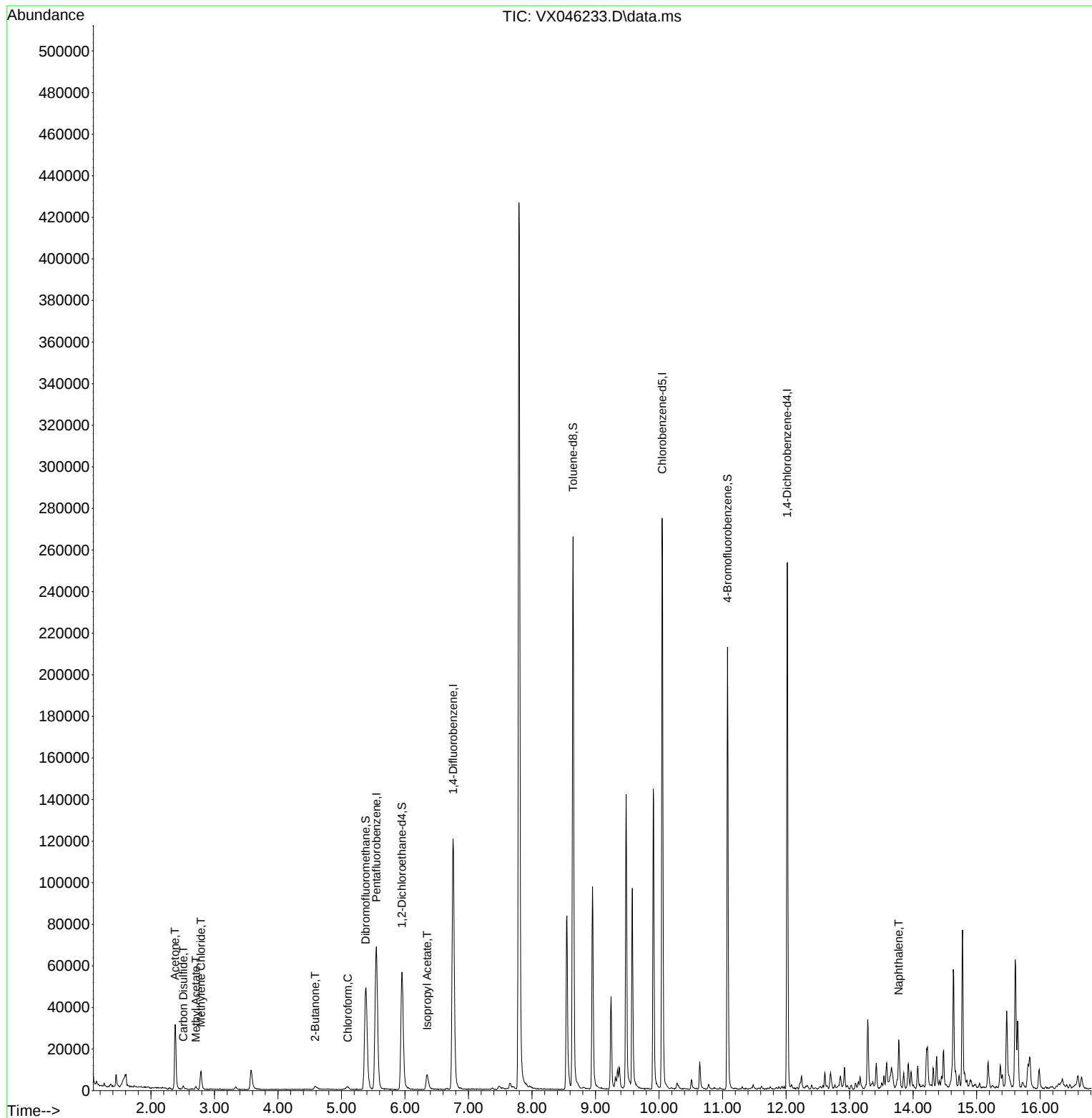
Internal Standards						
1) Pentafluorobenzene	5.550	168	58179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	115702	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58727	54.144	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.280%			
35) Dibromofluoromethane	5.379	113	43482	52.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.380%			
50) Toluene-d8	8.647	98	148757	51.585	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	55916	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	34694	79.776	ug/l	99
17) Carbon Disulfide	2.508	76	1972	1.206	ug/l	100
18) Methyl Acetate	2.709	43	1688	1.673	ug/l	92
20) Methylene Chloride	2.788	84	3783	4.539	ug/l	95
25) 2-Butanone	4.586	43	4045	6.407	ug/l #	68
30) Chloroform	5.099	83	1711	1.157	ug/l #	84
43) Isopropyl Acetate	6.348	43	11058	5.241	ug/l	97
95) Naphthalene	13.774	128	13642	4.218	ug/l	97

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

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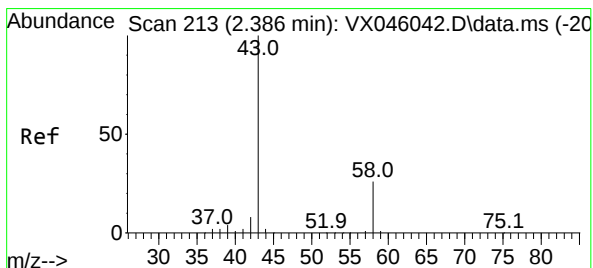
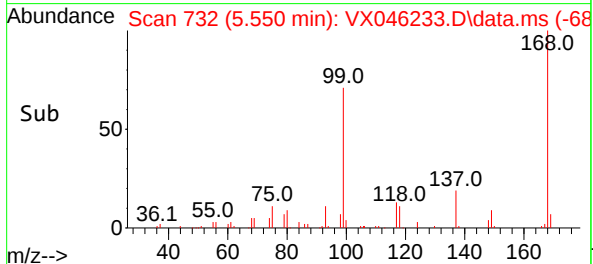
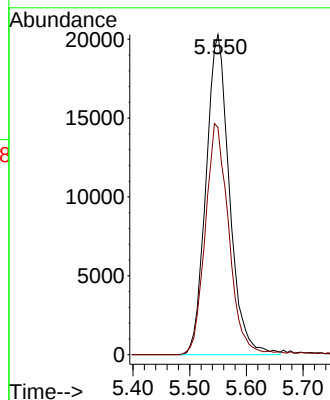
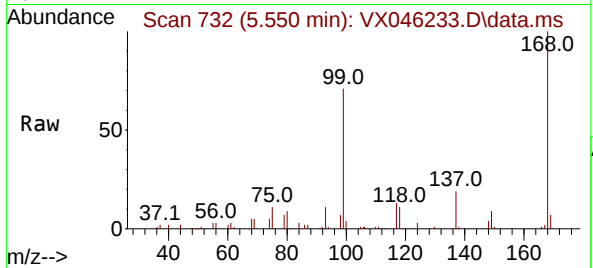




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

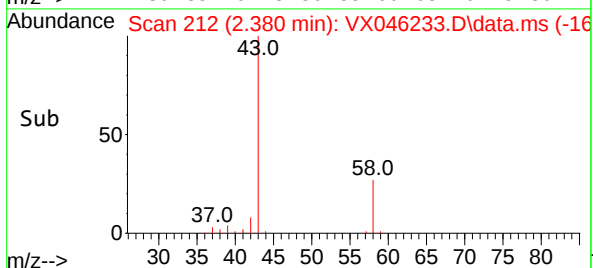
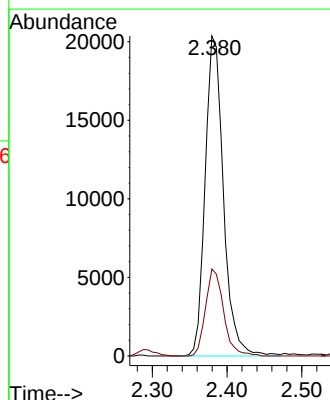
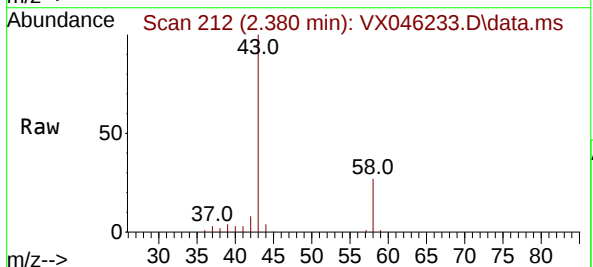
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

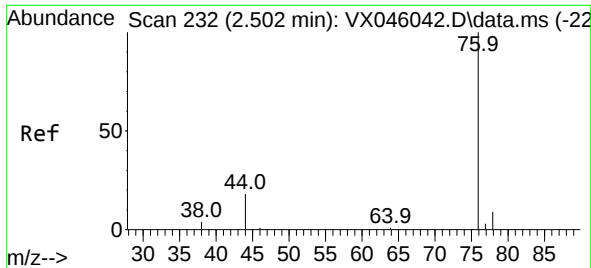
Tgt Ion:168 Resp: 58179
Ion Ratio Lower Upper
168 100
99 71.0 54.9 82.3



#16
Acetone
Concen: 79.776 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Tgt Ion: 43 Resp: 34694
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8

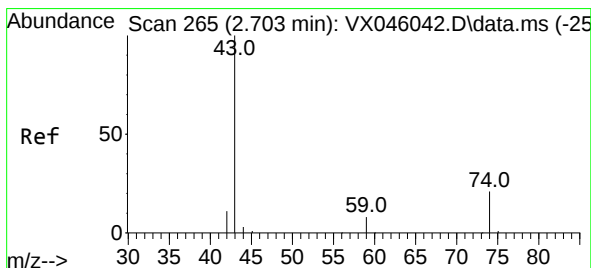
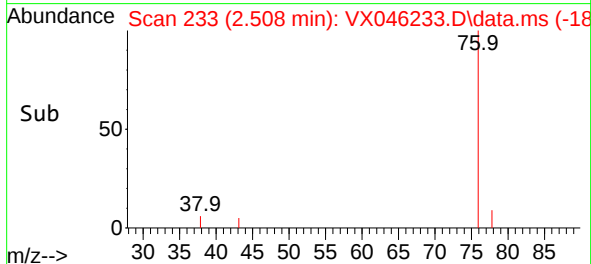
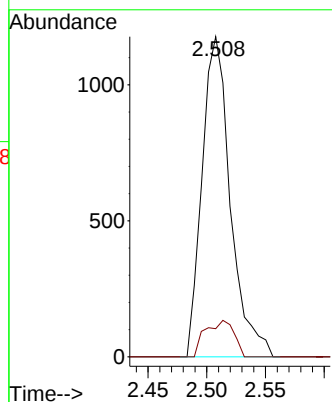
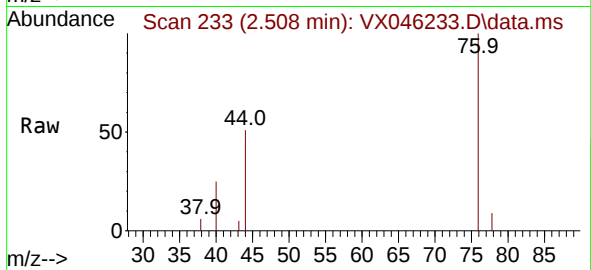




#17
Carbon Disulfide
Concen: 1.206 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

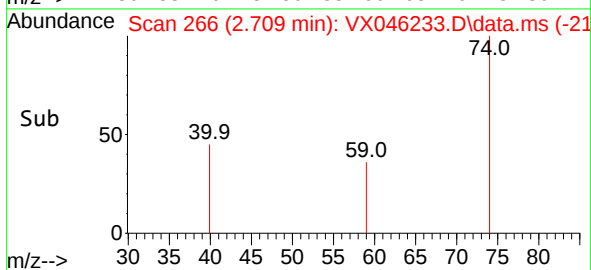
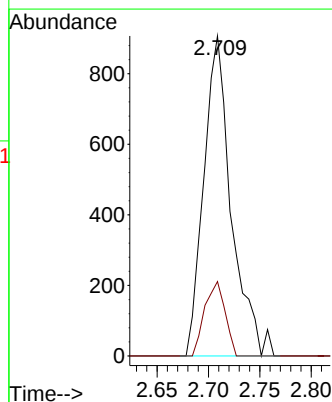
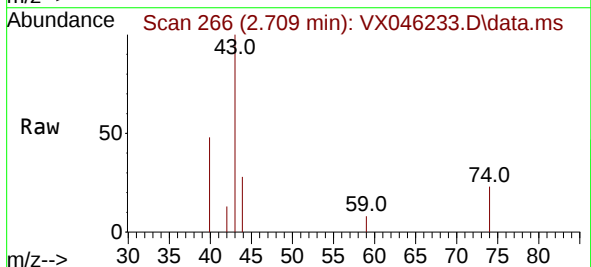
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

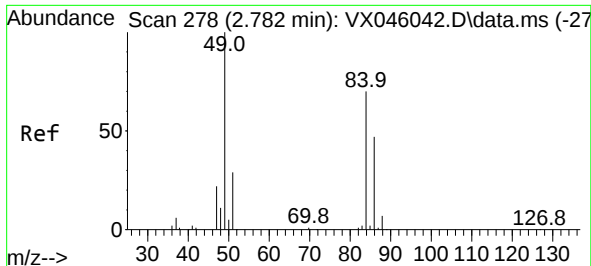
Tgt Ion: 76 Resp: 1972
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 1.673 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Tgt Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
74 17.3 16.7 25.1





#20

Methylene Chloride

Concen: 4.539 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046233.D

Acq: 16 May 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

B27-SOIL-SAMPLE

Tgt Ion: 84 Resp: 3783

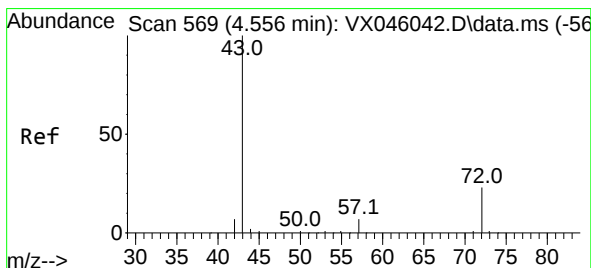
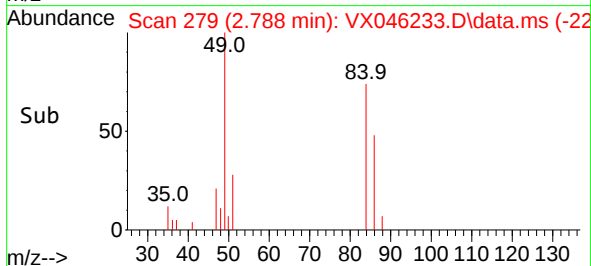
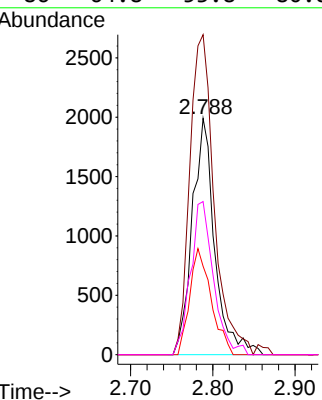
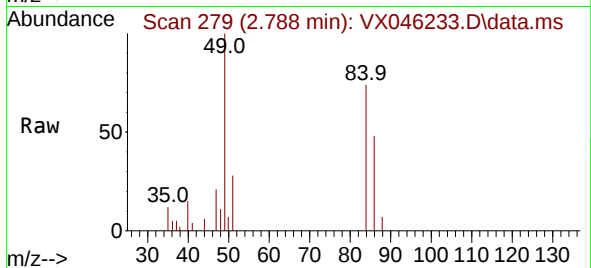
Ion Ratio Lower Upper

84 100

49 135.4 113.9 170.9

51 37.4 33.5 50.3

86 64.8 53.8 80.8



#25

2-Butanone

Concen: 6.407 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX046233.D

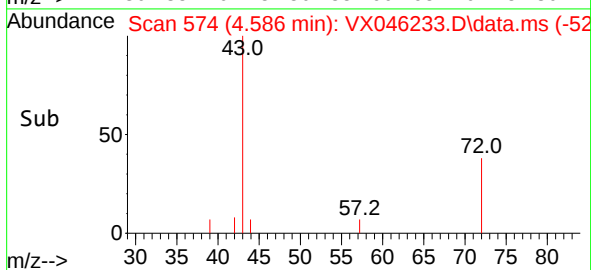
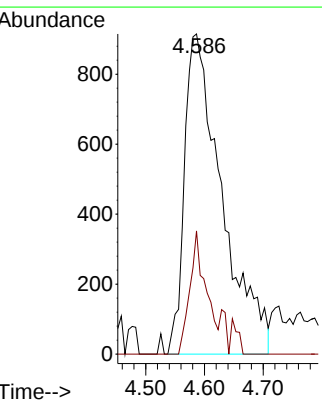
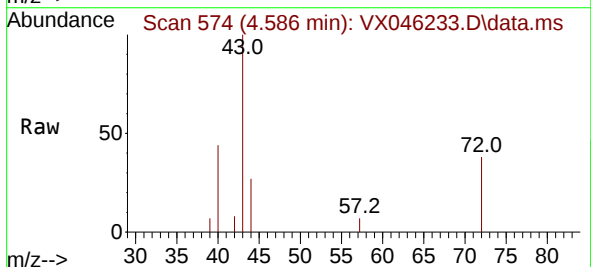
Acq: 16 May 2025 11:25

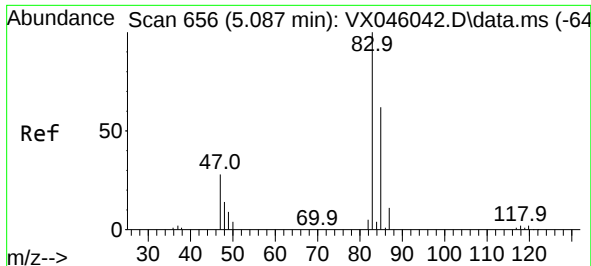
Tgt Ion: 43 Resp: 4045

Ion Ratio Lower Upper

43 100

72 38.5 18.4 27.6#





#30

Chloroform

Concen: 1.157 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX046233.D

Acq: 16 May 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

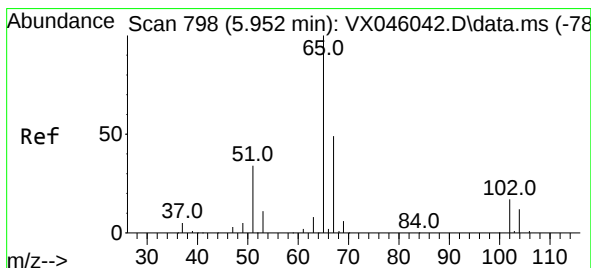
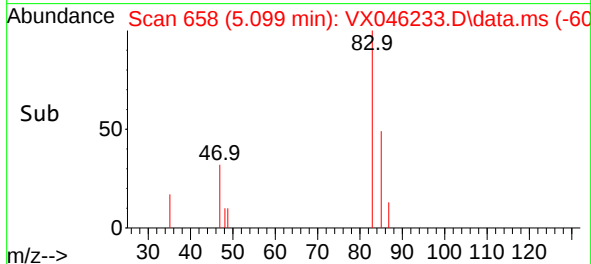
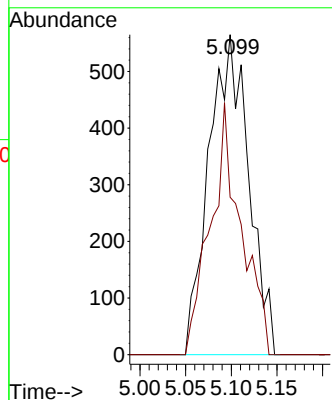
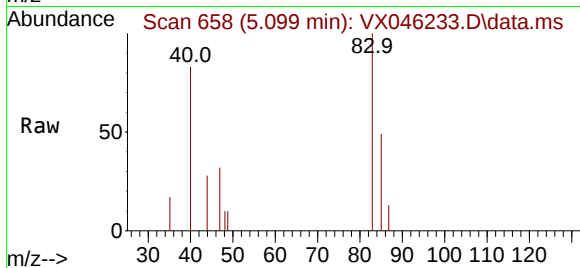
B27-SOIL-SAMPLE

Tgt Ion: 83 Resp: 1711

Ion Ratio Lower Upper

83 100

85 49.2 49.3 73.9#



#33

1,2-Dichloroethane-d4

Concen: 54.144 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046233.D

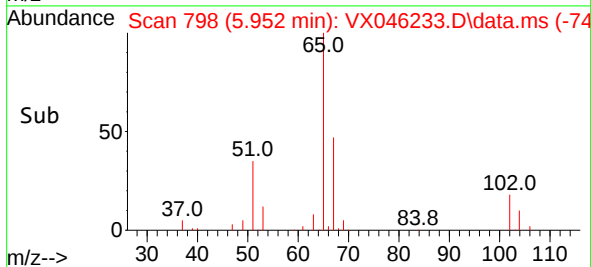
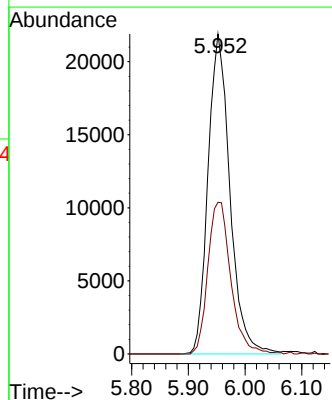
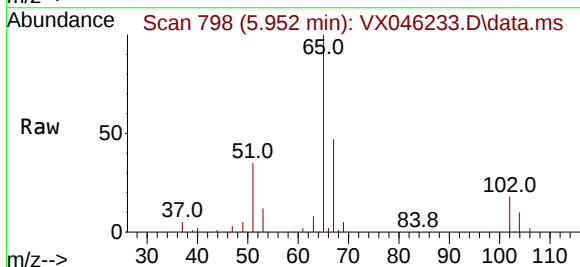
Acq: 16 May 2025 11:25

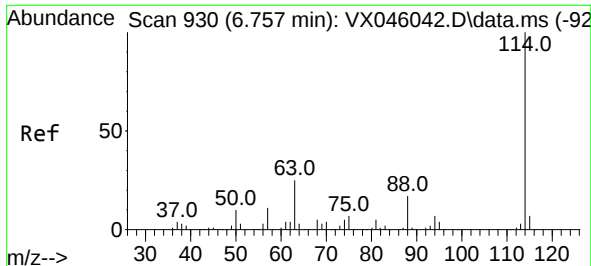
Tgt Ion: 65 Resp: 58727

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0

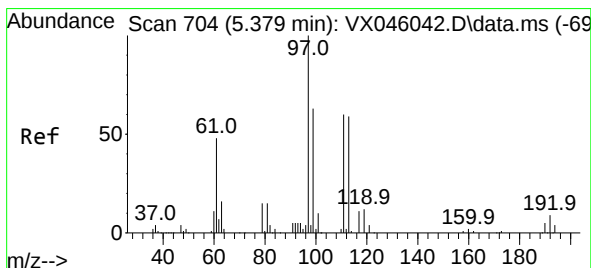
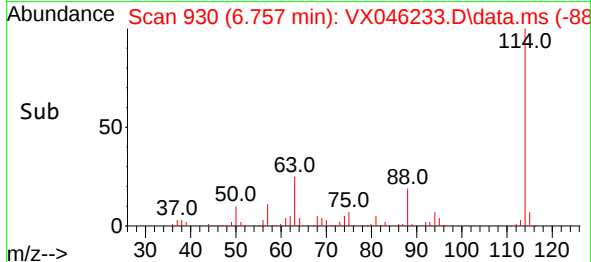
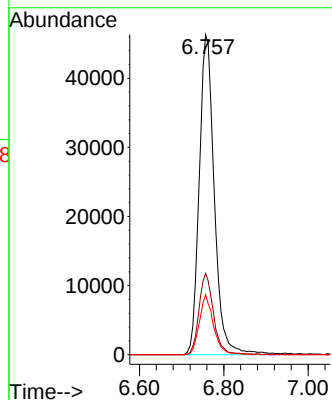
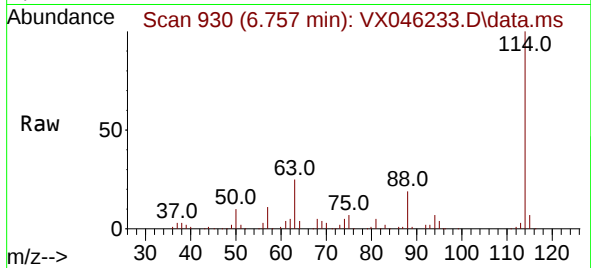




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

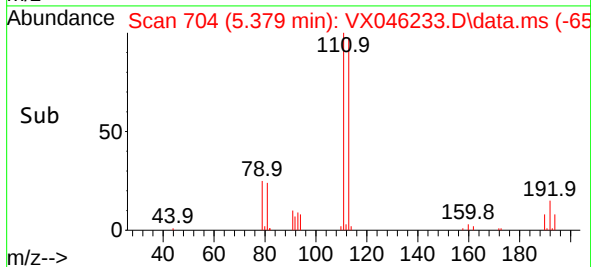
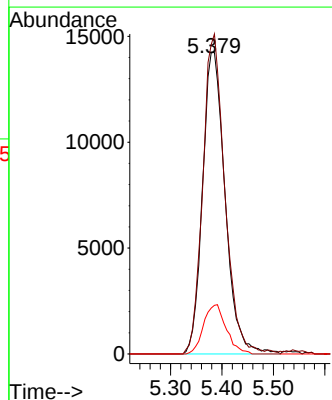
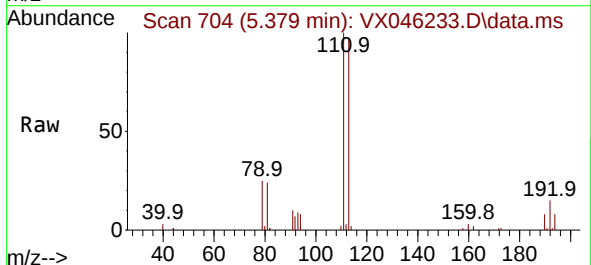
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

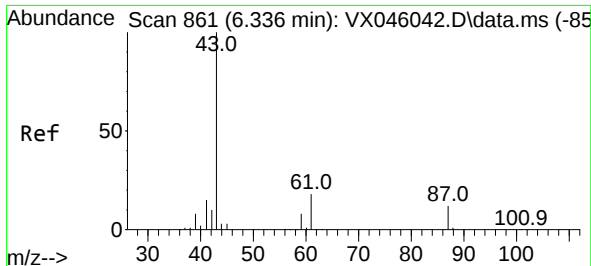
Tgt Ion:114 Resp: 115702
Ion Ratio Lower Upper
114 100
63 25.4 0.0 49.2
88 18.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 52.188 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Tgt Ion:113 Resp: 43482
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 16.4 13.3 19.9

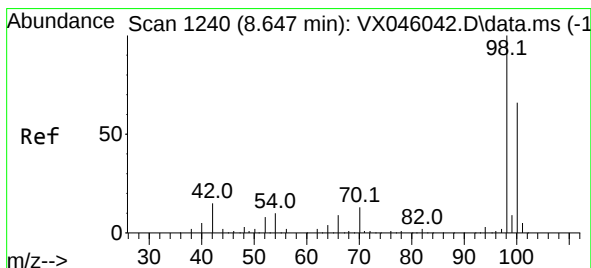
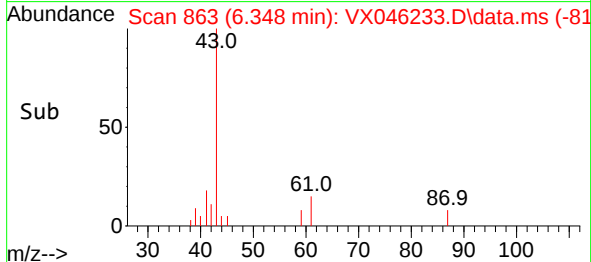
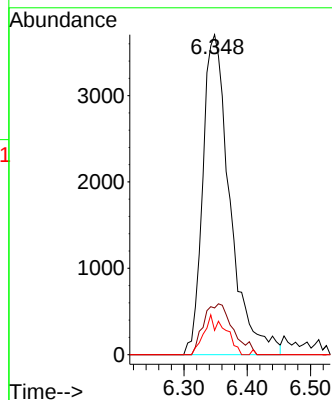
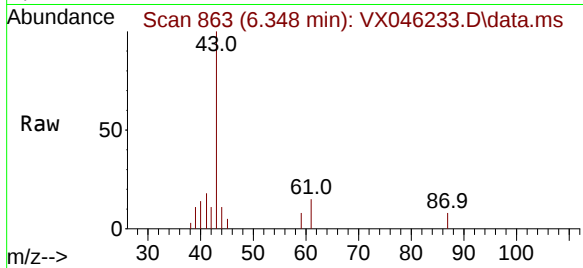




#43
Isopropyl Acetate
Concen: 5.241 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

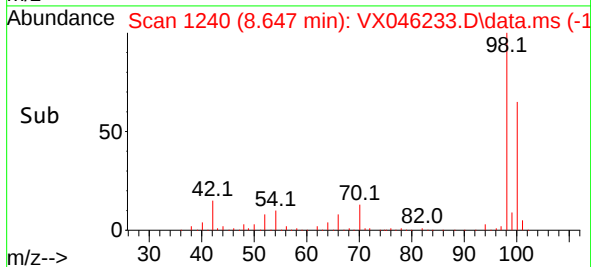
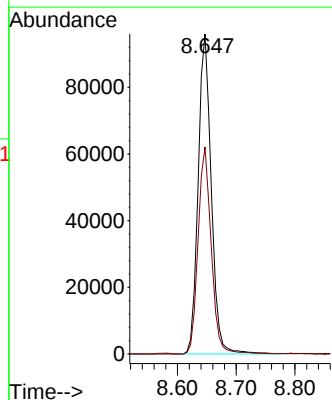
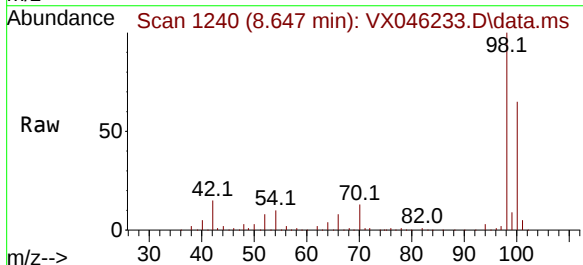
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion: 43 Resp: 11058
Ion Ratio Lower Upper
43 100
61 17.2 14.3 21.5
87 9.7 9.5 14.3



#50
Toluene-d8
Concen: 51.585 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Tgt Ion: 98 Resp: 148757
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.550 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046233.D

Acq: 16 May 2025 11:25

Instrument :

MSVOA_X

ClientSampleId :

B27-SOIL-SAMPLE

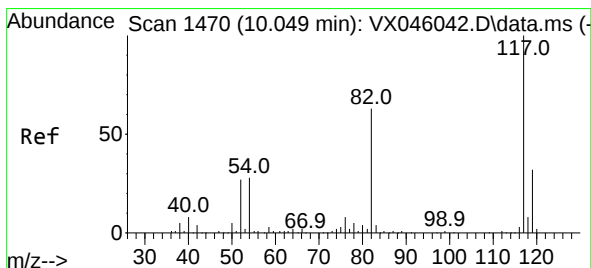
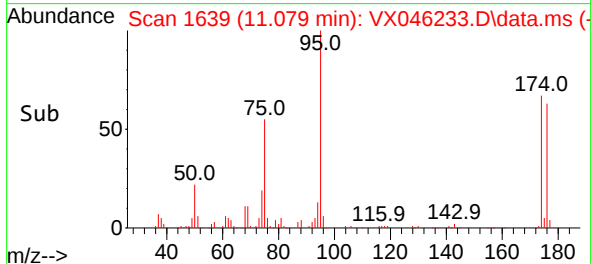
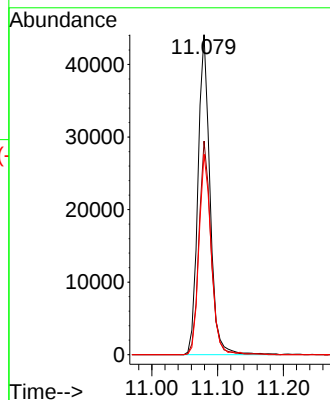
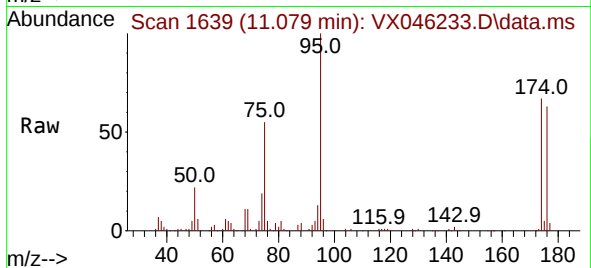
Tgt Ion: 95 Resp: 55916

Ion Ratio Lower Upper

95 100

174 66.5 0.0 135.8

176 63.9 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046233.D

Acq: 16 May 2025 11:25

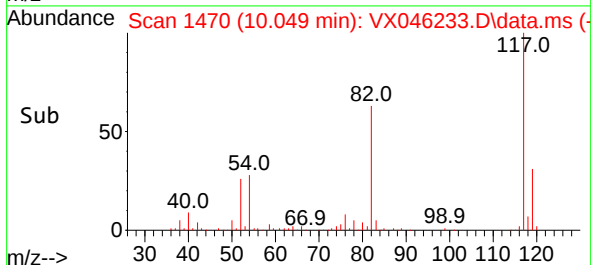
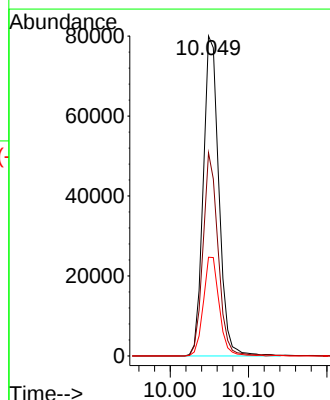
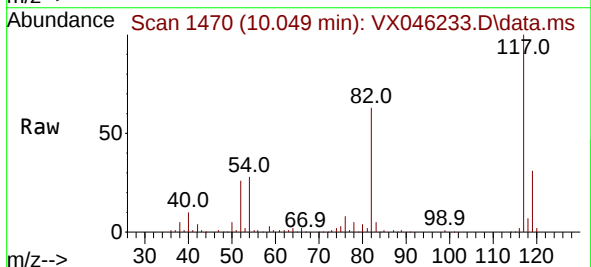
Tgt Ion: 117 Resp: 111038

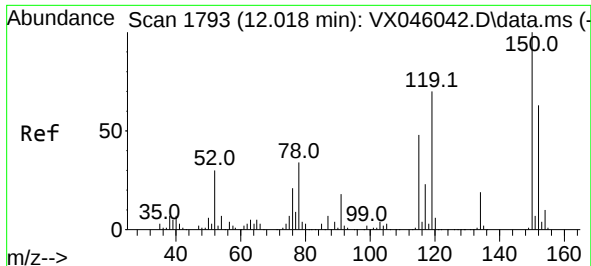
Ion Ratio Lower Upper

117 100

82 63.5 50.6 76.0

119 30.8 25.8 38.6

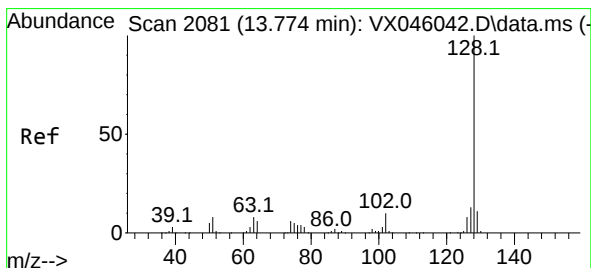
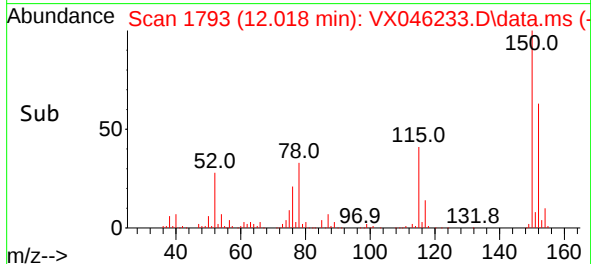
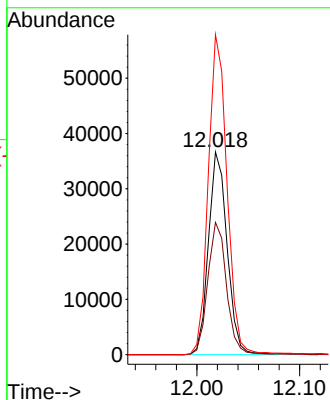
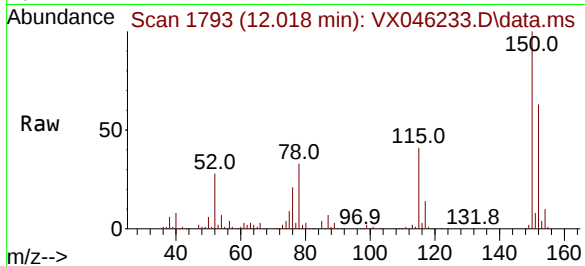




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:152 Resp: 46381
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 158.6 0.0 351.0



#95
Naphthalene
Concen: 4.218 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046233.D
Acq: 16 May 2025 11:25

Tgt Ion:128 Resp: 13642
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 12.5 8.6 13.0

