

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112425\
 Data File : VX048667.D
 Acq On : 24 Nov 2025 16:29
 Operator : JC/MD
 Sample : Q3710-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WELD-SHOP-EXCAVATION

Quant Time: Nov 26 00:27:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

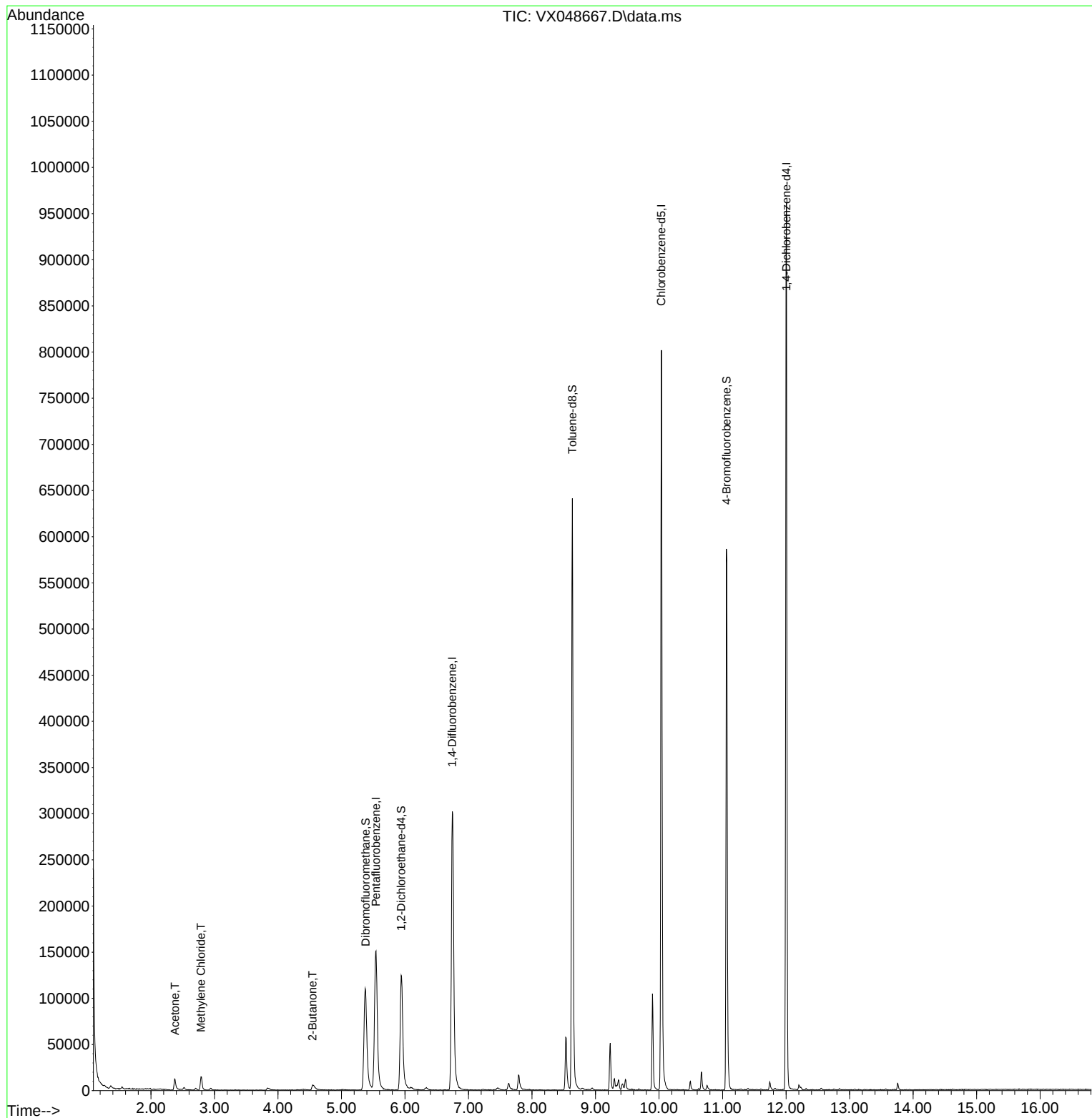
Internal Standards						
1) Pentafluorobenzene	5.544	168	157147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	363240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	399270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	212769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	138531	63.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	126.520%#
35) Dibromofluoromethane	5.379	113	111680	40.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.240%
50) Toluene-d8	8.635	98	413960	48.279	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.560%
62) 4-Bromofluorobenzene	11.061	95	167448	52.403	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.800%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	16211	15.640	ug/l	96
20) Methylene Chloride	2.788	84	7844	3.681	ug/l	94
25) 2-Butanone	4.544	43	10933	7.130	ug/l	93

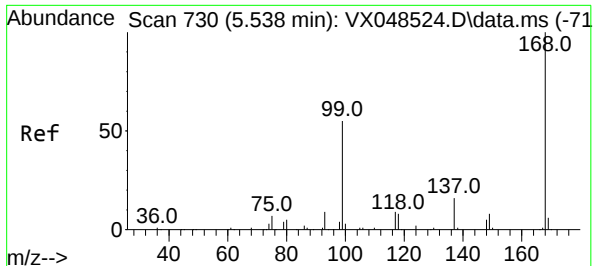
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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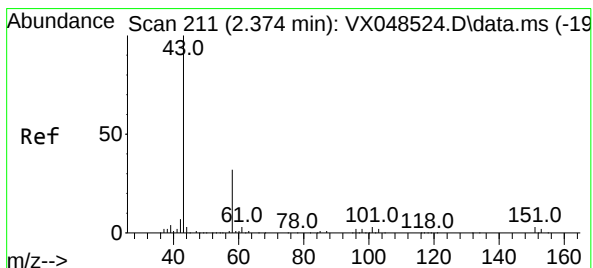
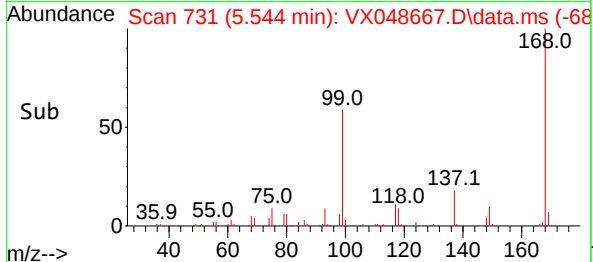
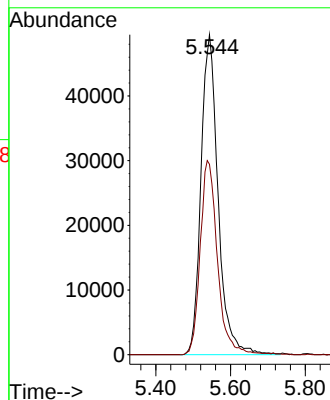
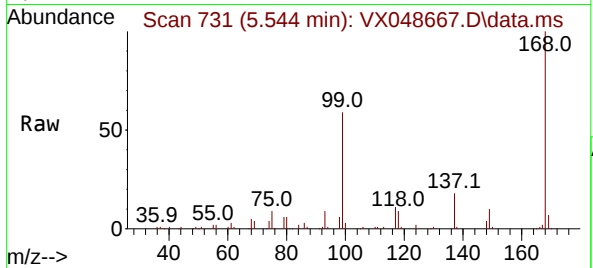




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

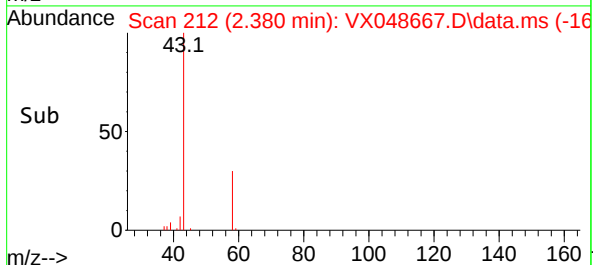
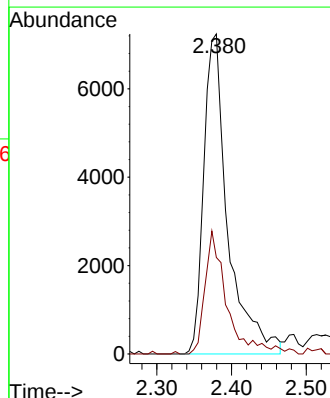
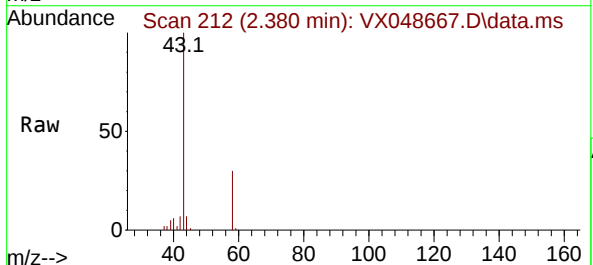
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

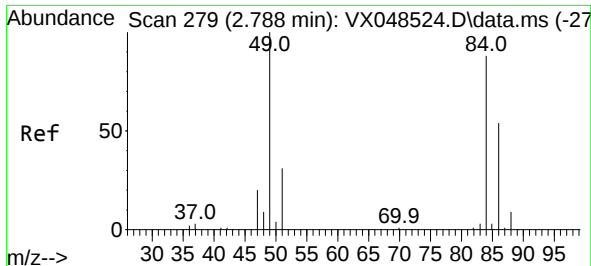
Tgt Ion:168 Resp: 157147
Ion Ratio Lower Upper
168 100
99 59.5 45.2 67.8



#16
Acetone
Concen: 15.640 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

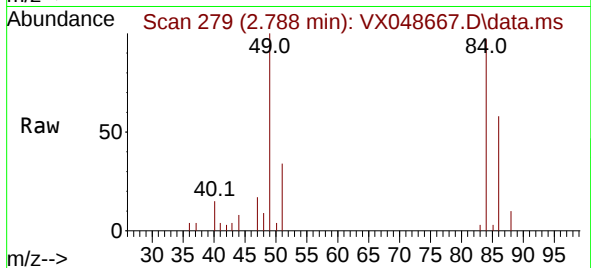
Tgt Ion: 43 Resp: 16211
Ion Ratio Lower Upper
43 100
58 30.2 25.8 38.6



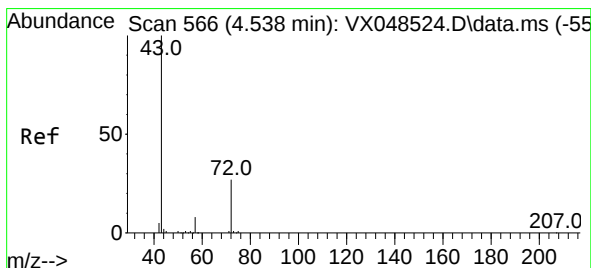
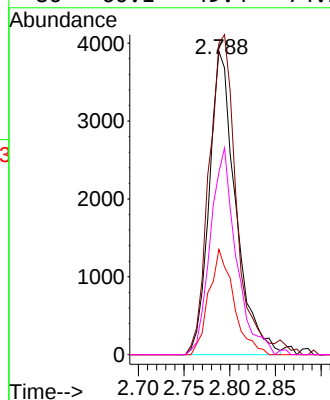
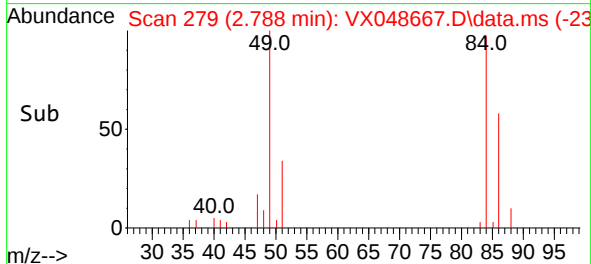


#20
Methylene Chloride
Concen: 3.681 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

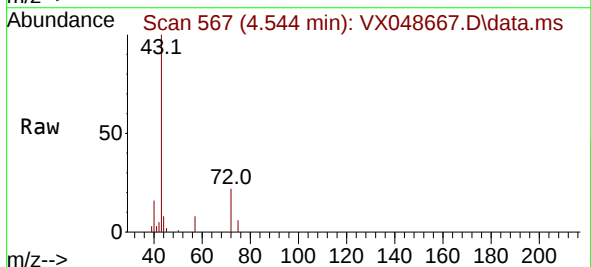
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION



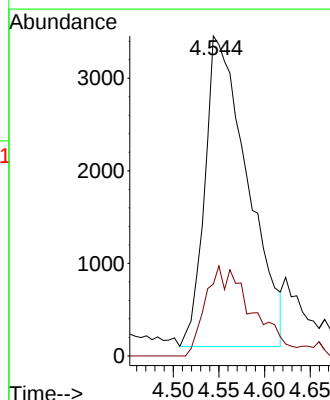
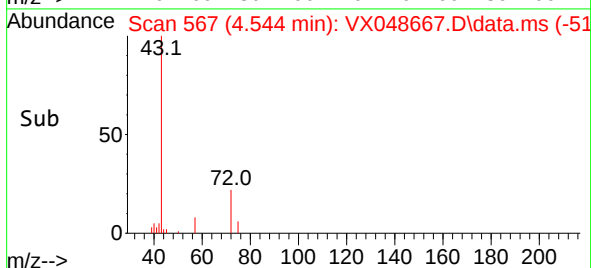
Tgt Ion: 84	Resp: 7844
Ion Ratio	Lower Upper
84 100	
49 102.8	91.2 136.8
51 34.8	28.3 42.5
86 60.1	49.4 74.2

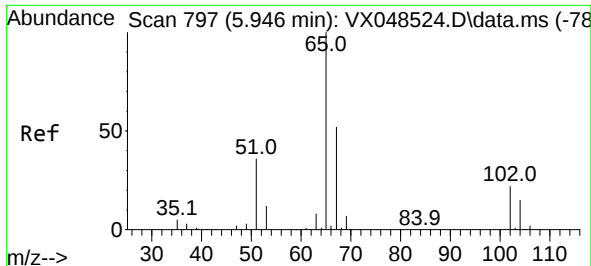


#25
2-Butanone
Concen: 7.130 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29



Tgt Ion: 43	Resp: 10933
Ion Ratio	Lower Upper
43 100	
72 23.1	21.5 32.3





#33

1,2-Dichloroethane-d4

Concen: 63.264 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048667.D

Acq: 24 Nov 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

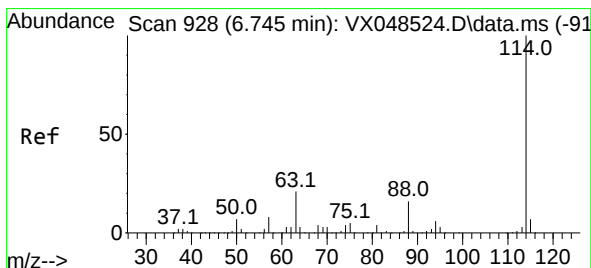
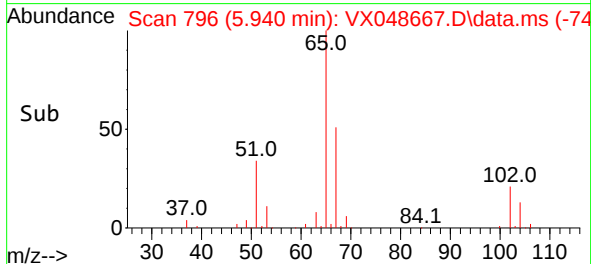
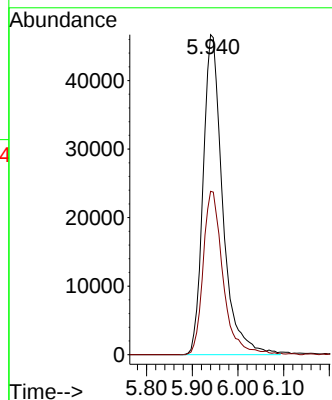
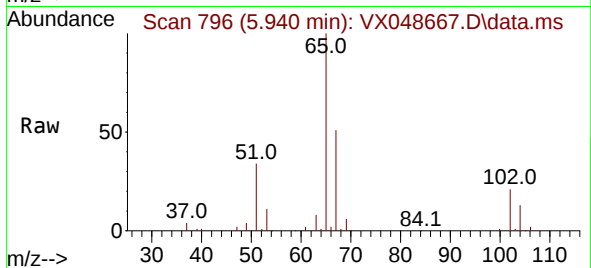
WELD-SHOP-EXCAVATION

Tgt Ion: 65 Resp: 138531

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048667.D

Acq: 24 Nov 2025 16:29

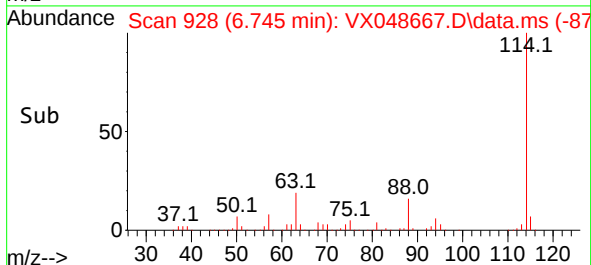
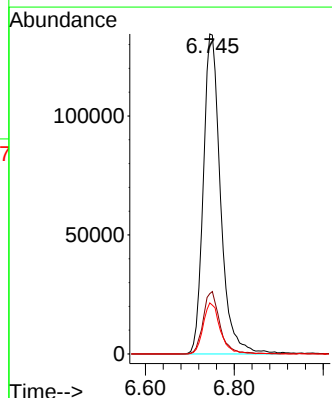
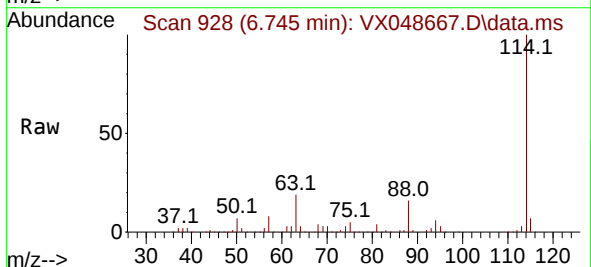
Tgt Ion:114 Resp: 363240

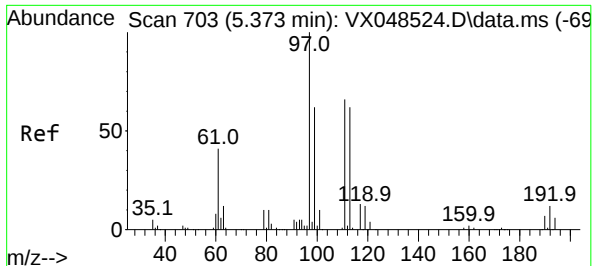
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.2

88 16.0 0.0 32.2

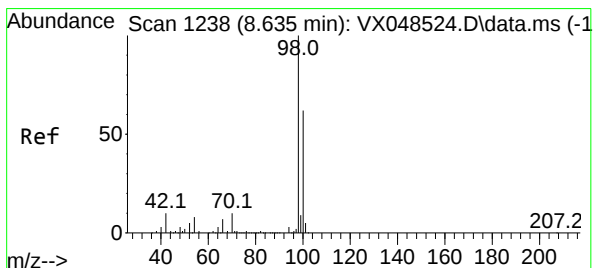
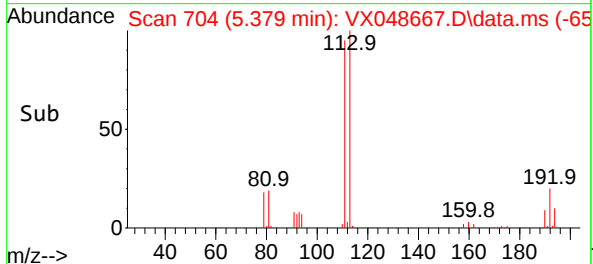
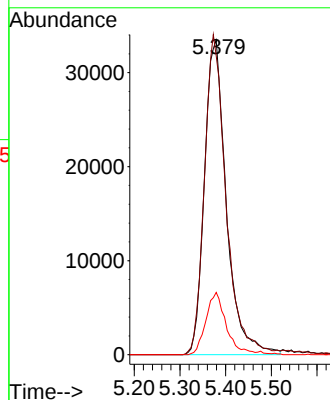
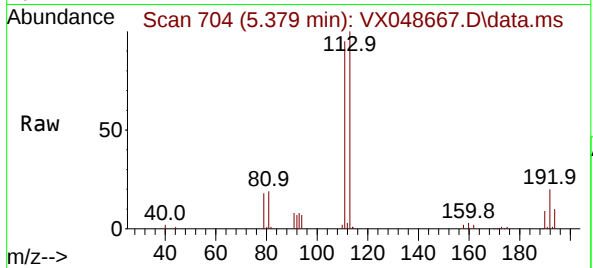




#35
Dibromofluoromethane
Concen: 40.622 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

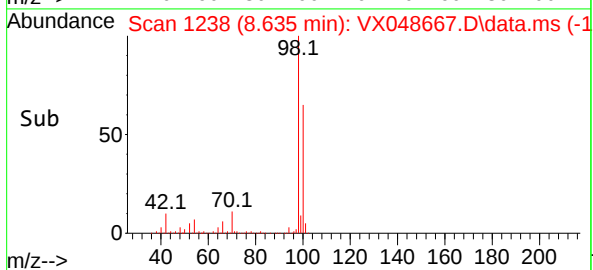
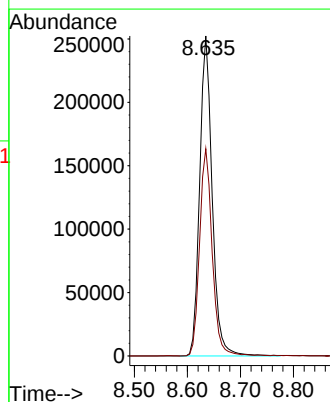
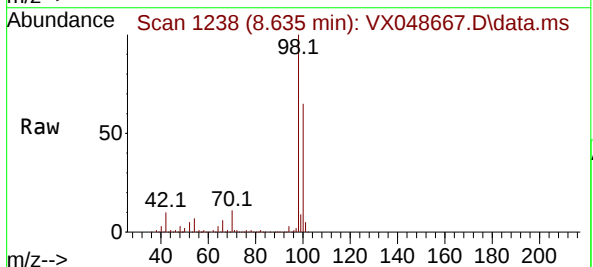
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

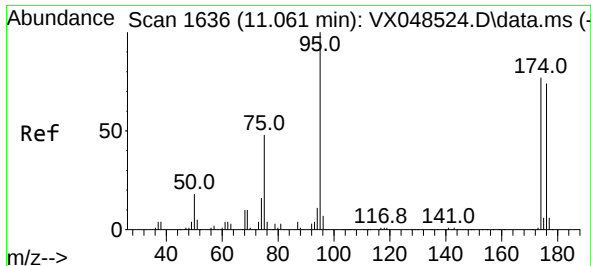
Tgt Ion:113 Resp: 111680
Ion Ratio Lower Upper
113 100
111 100.0 81.9 122.9
192 18.3 15.8 23.6



#50
Toluene-d8
Concen: 48.279 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 98 Resp: 413960
Ion Ratio Lower Upper
98 100
100 65.6 53.6 80.4

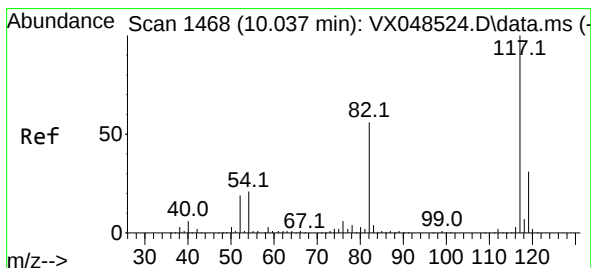
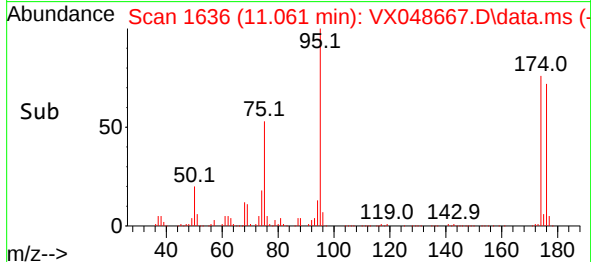
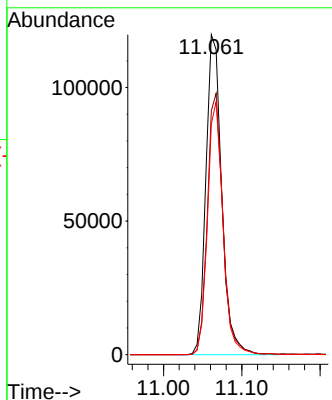
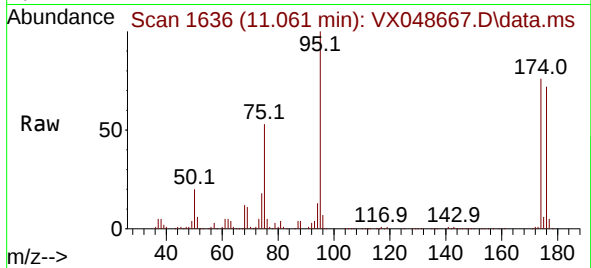




#62
4-Bromofluorobenzene
Concen: 52.403 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

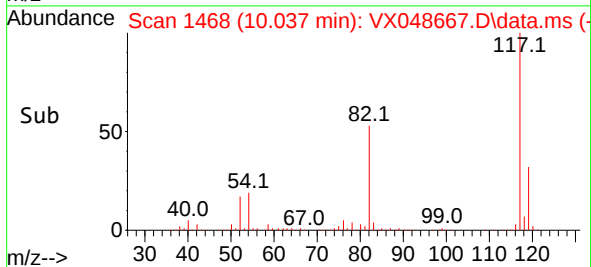
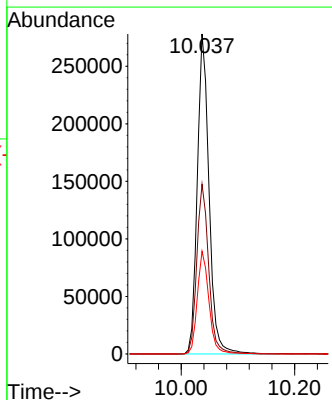
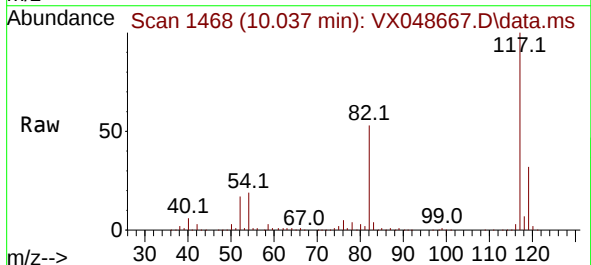
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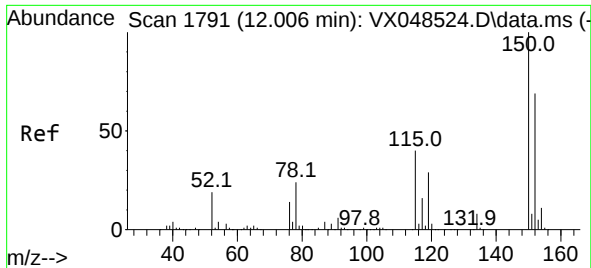
Tgt Ion: 95 Resp: 167448
Ion Ratio Lower Upper
95 100
174 80.9 0.0 161.8
176 77.3 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 117 Resp: 399270
Ion Ratio Lower Upper
117 100
82 53.1 44.4 66.6
119 32.1 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048667.D
 Acq: 24 Nov 2025 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 WELD-SHOP-EXCAVATION

Tgt Ion:152 Resp: 212769
 Ion Ratio Lower Upper
 152 100
 115 59.4 39.2 117.6
 150 158.3 0.0 347.0

