

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

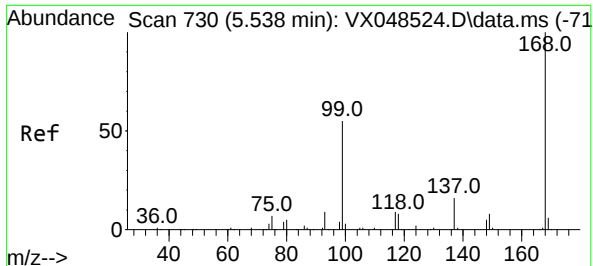
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	138531	63.264	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 126.520%#	
35) Dibromofluoromethane	5.379	113	111680	40.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 81.240%	
50) Toluene-d8	8.635	98	413960	48.279	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
10) Methyl Iodide	2.471	142	569	0.220	ug/l #	83
11) Tert butyl alcohol	2.941	59	2029	4.890	ug/l #	77
16) Acetone	2.380	43	16211	15.640	ug/l	96
18) Methyl Acetate	2.703	43	2628	0.923	ug/l	93
20) Methylene Chloride	2.788	84	7844	3.681	ug/l	94
25) 2-Butanone	4.544	43	10933	7.130	ug/l	93
29) Tetrahydrofuran	5.007	42	480	0.439	ug/l #	47
31) Cyclohexane	5.538	56	3301	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13412	3.643	ug/l #	48
38) Carbon Tetrachloride	5.532	117	17125	4.087	ug/l #	16
43) Isopropyl Acetate	6.342	43	4033	0.554	ug/l #	86
51) 4-Methyl-2-Pentanone	8.537	43	23492	5.666	ug/l #	45
54) cis-1,3-Dichloropropene	8.531	75	10756	2.641	ug/l #	62
59) 2-Hexanone	9.427	43	5151	1.670	ug/l	86
76) 1,2,3-Trichloropropane	11.061	75	86757	16.925	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	86757	48.411	ug/l #	12
95) Naphthalene	13.756	128	5138	0.335	ug/l	97

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

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

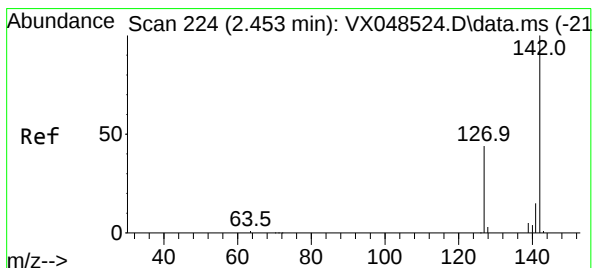
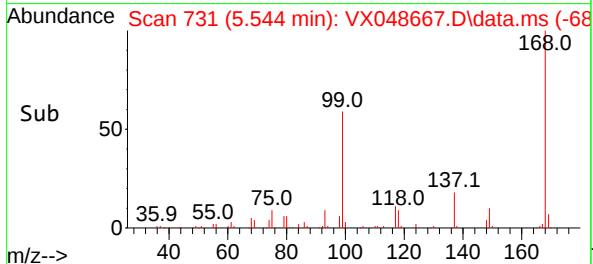
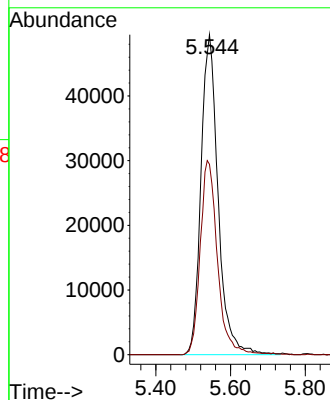
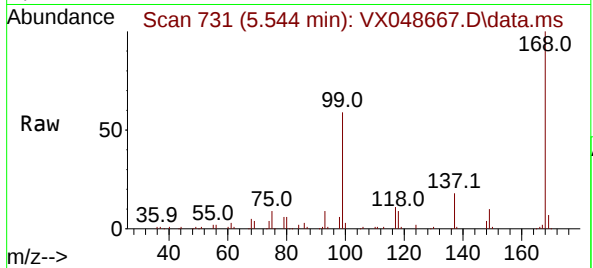




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

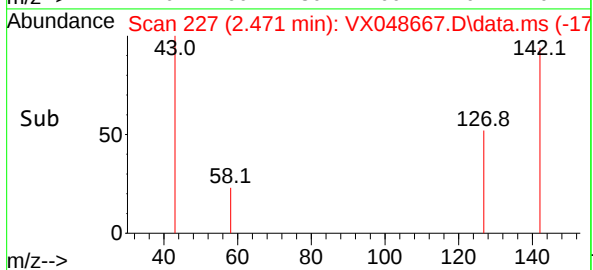
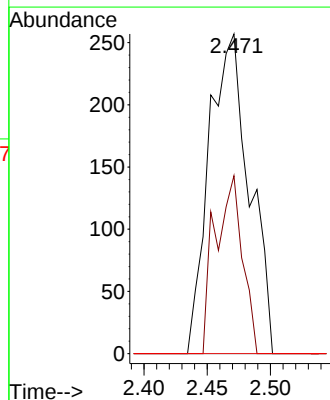
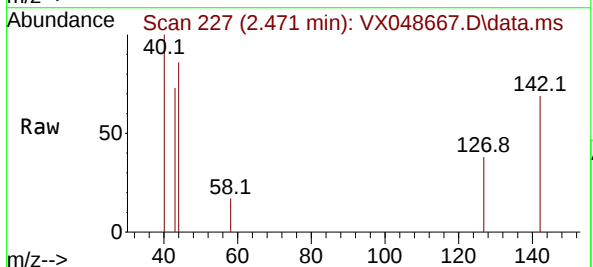
Instrument :
MSVOA_X
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WELD-SHOP-EXCAVATION

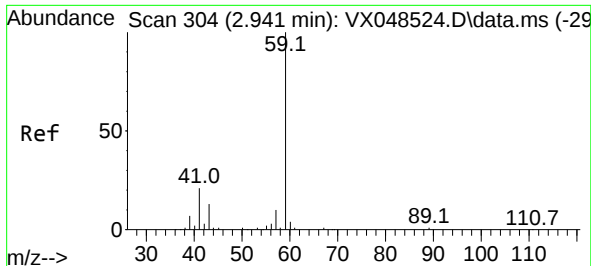
Tgt Ion:168 Resp: 157147
Ion Ratio Lower Upper
168 100
99 59.5 45.2 67.8



#10
Methyl Iodide
Concen: 0.220 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion:142 Resp: 569
Ion Ratio Lower Upper
142 100
127 37.6 35.8 53.6
141 0.0 11.4 17.0#

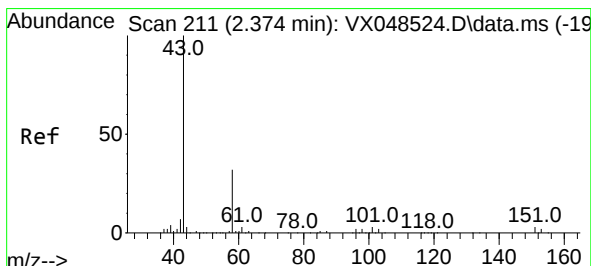
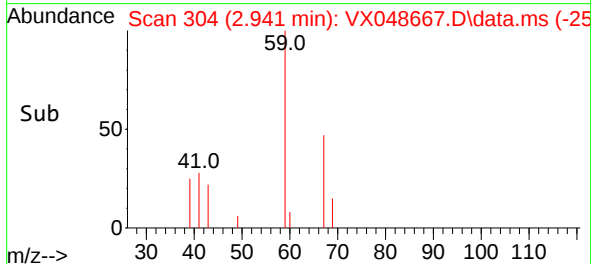
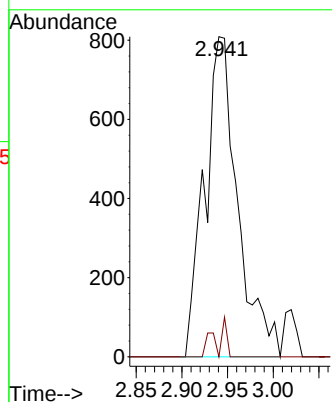
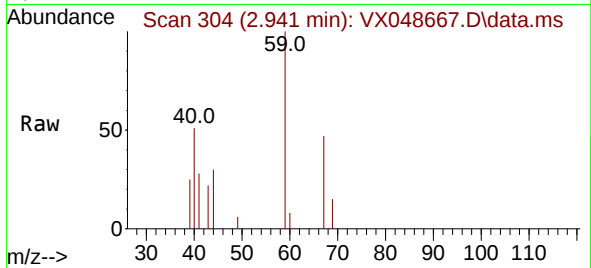




#11
Tert butyl alcohol
Concen: 4.890 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

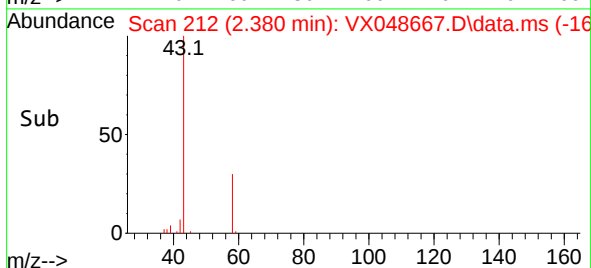
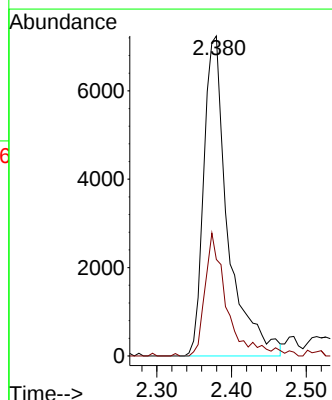
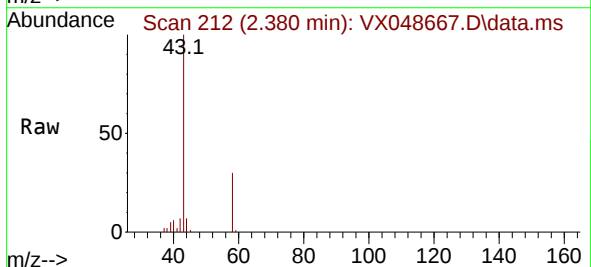
Instrument : MSVOA_X
ClientSampleId : WELD-SHOP-EXCAVATION

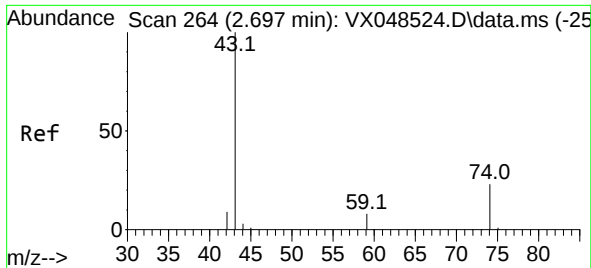
Tgt Ion: 59 Resp: 2029
Ion Ratio Lower Upper
59 100
57 2.2 8.6 13.0#



#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

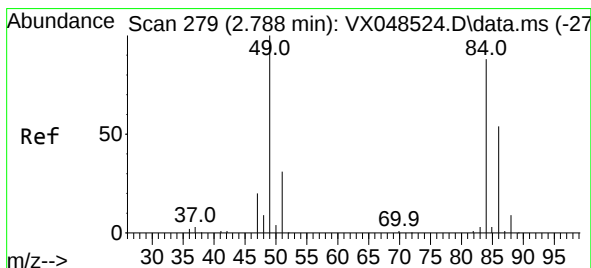
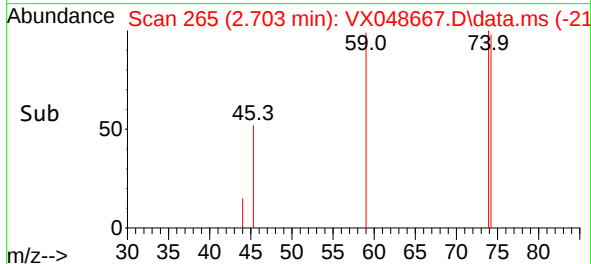
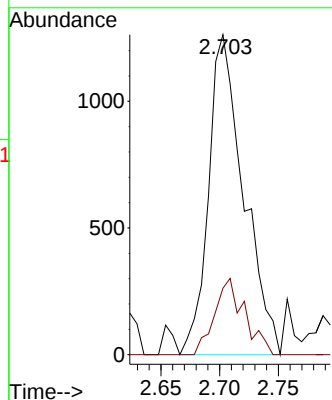
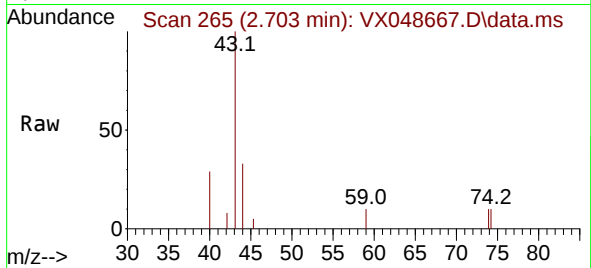




#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

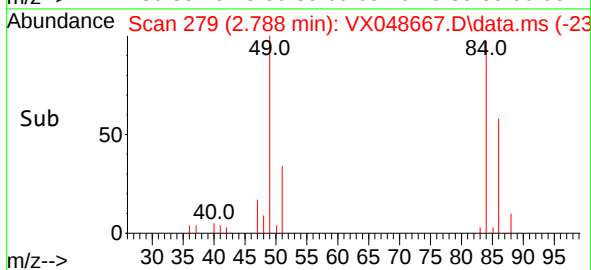
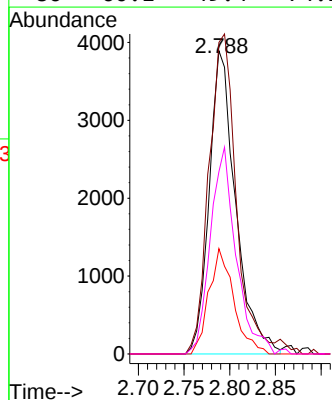
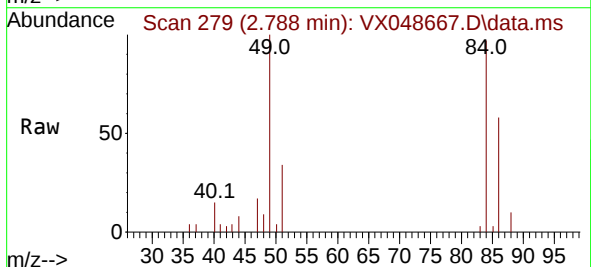
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

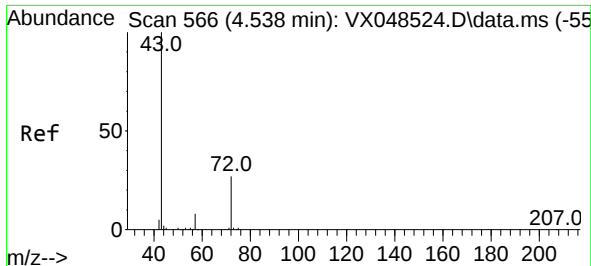
Tgt Ion: 43 Resp: 2628
Ion Ratio Lower Upper
43 100
74 20.4 19.1 28.7



#20
Methylene Chloride
Concen: 3.681 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

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

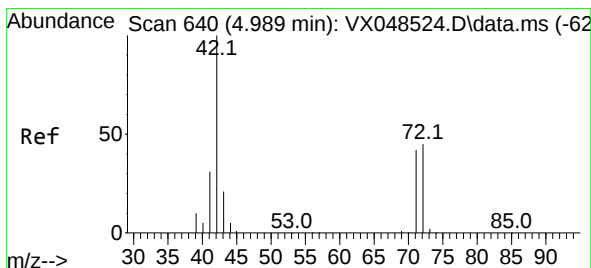
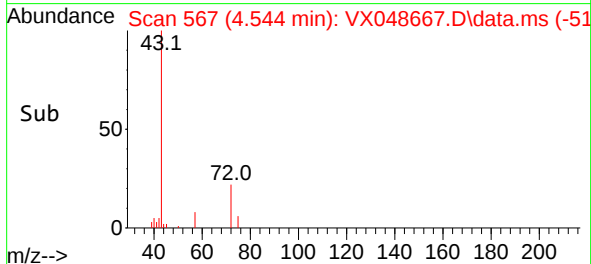
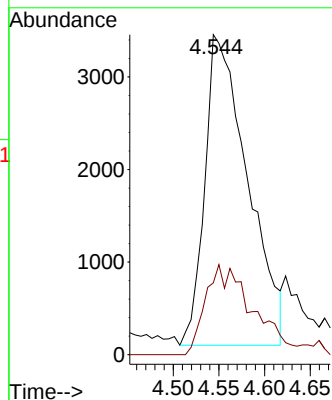
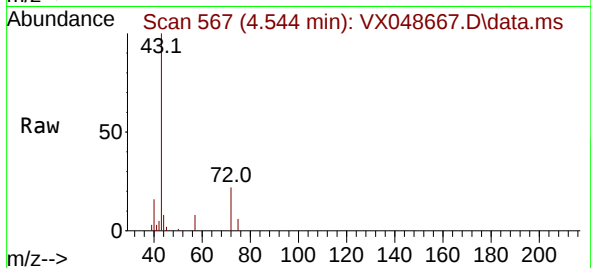




#25
2-Butanone
Concen: 7.130 ug/l
RT: 4.544 min Scan# 509
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

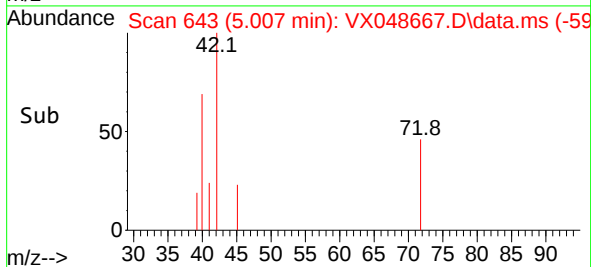
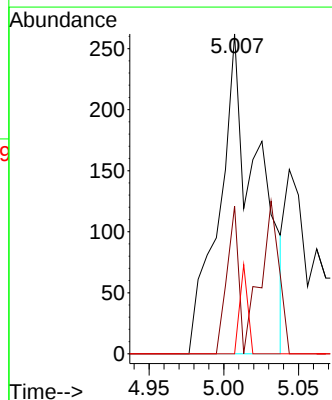
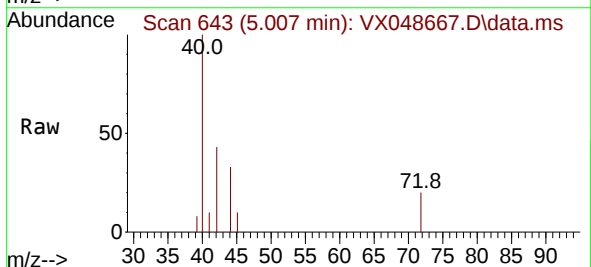
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

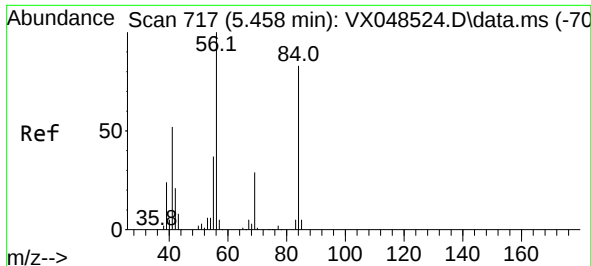
Tgt Ion: 43 Resp: 10933
Ion Ratio Lower Upper
43 100
72 23.1 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.439 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.018 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

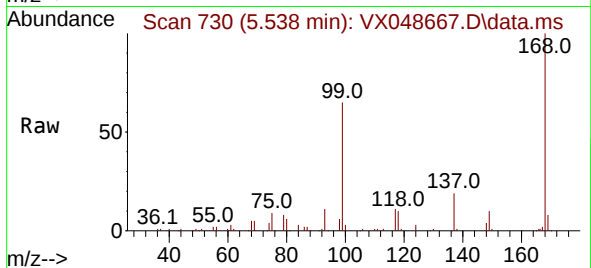
Tgt Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 13.5 36.3 54.5#
71 5.6 34.1 51.1#



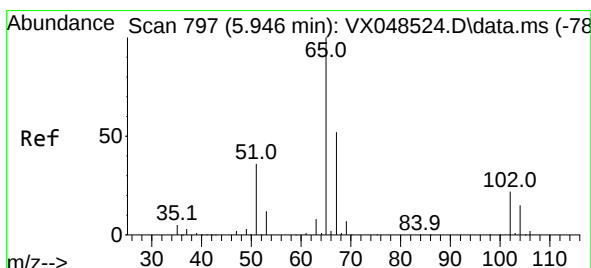
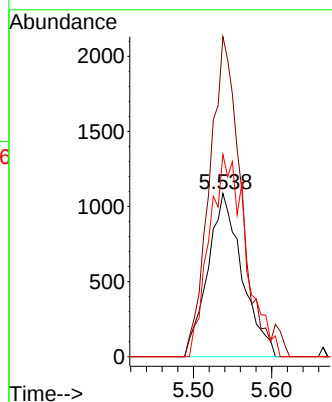
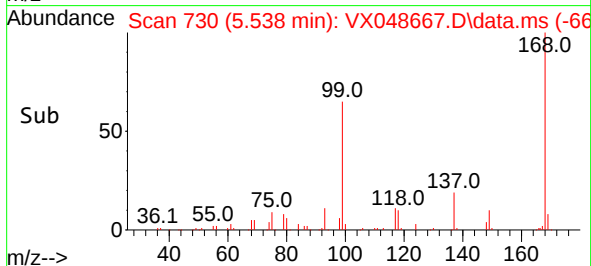


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

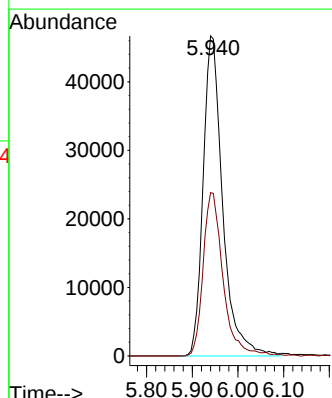
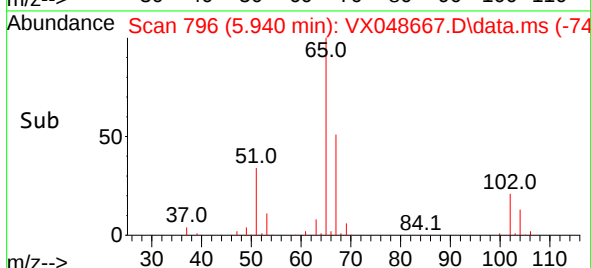
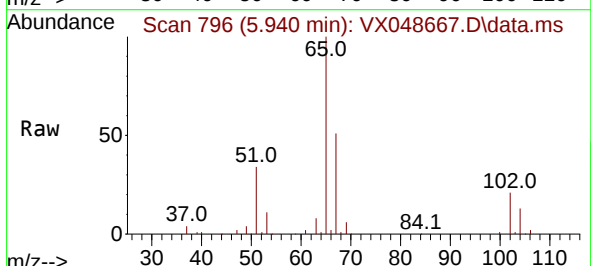


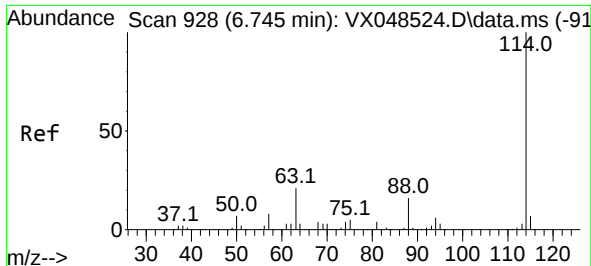
Tgt Ion: 56 Resp: 3301
Ion Ratio Lower Upper
56 100
69 196.0 23.4 35.2#
84 123.8 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 63.264 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 65 Resp: 138531
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2

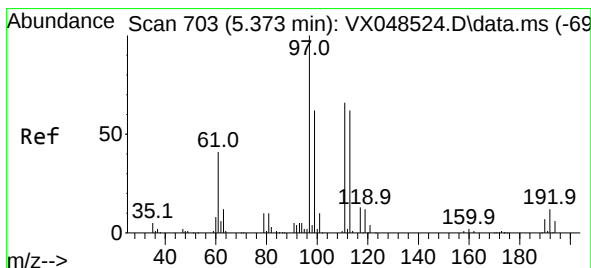
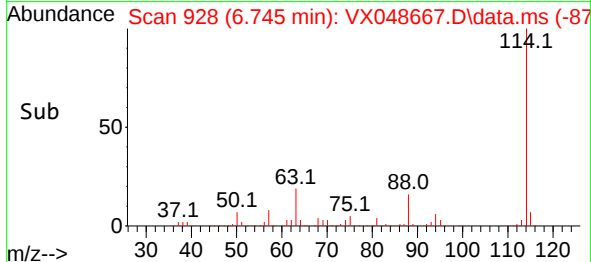
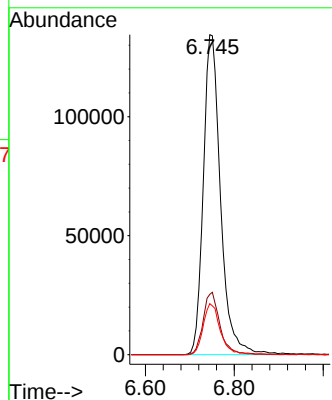
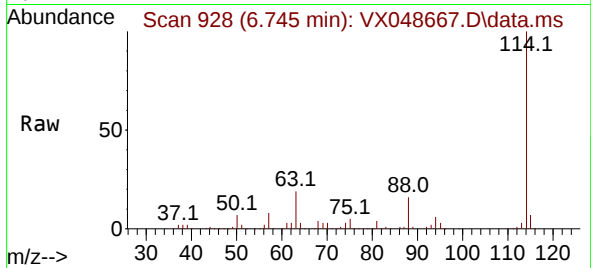




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

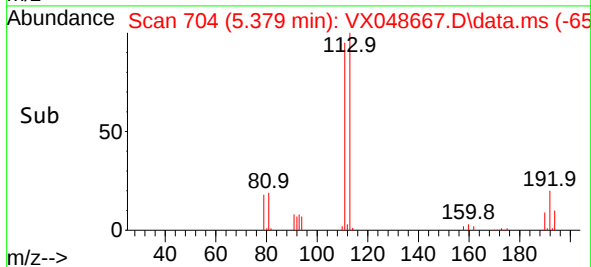
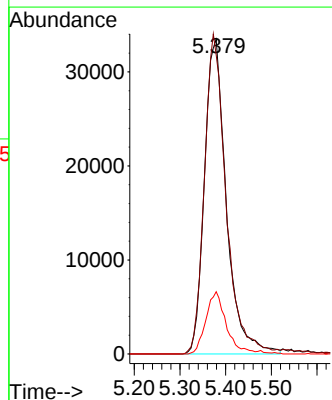
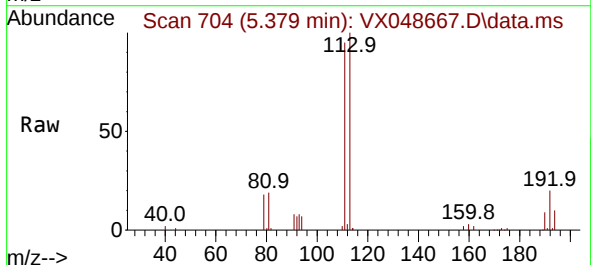
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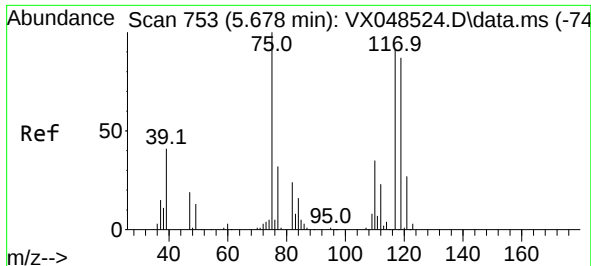
Tgt Ion:114 Resp: 363240
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.2
88 16.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 40.622 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

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

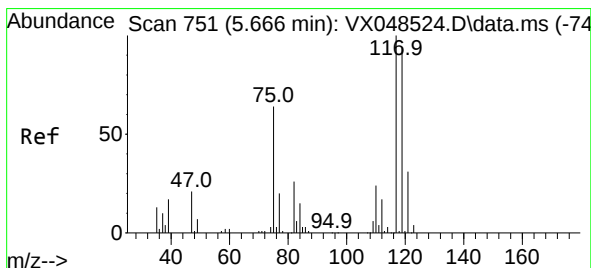
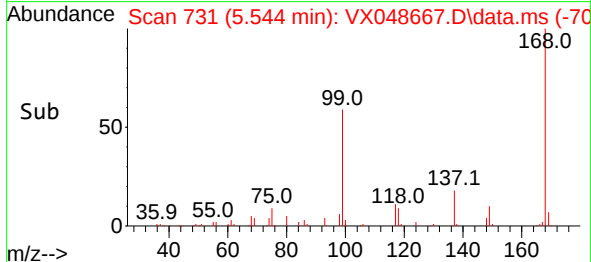
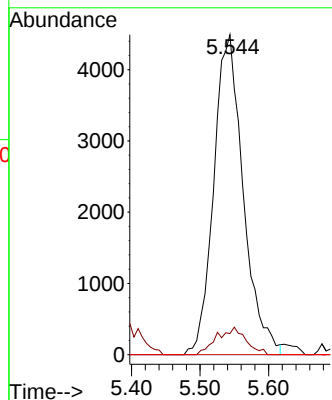
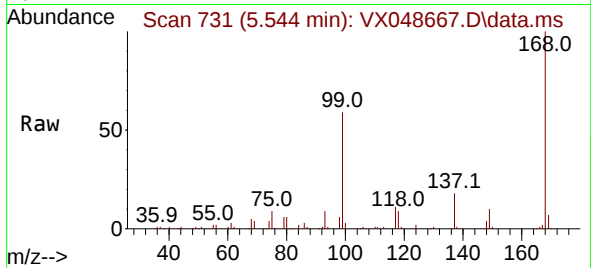




#36
1,1-Dichloropropene
Concen: 3.643 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

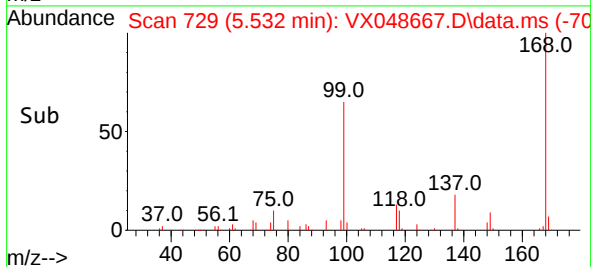
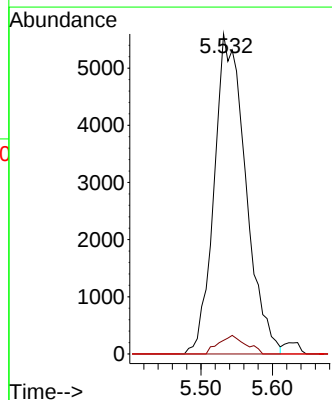
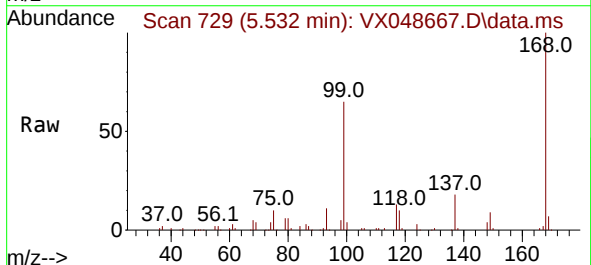
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

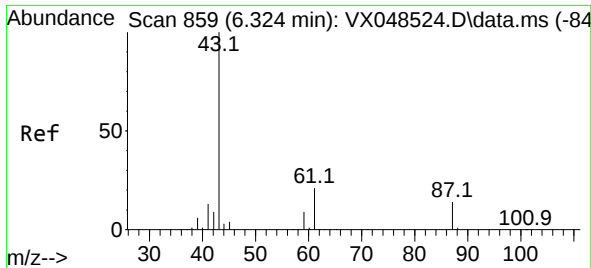
Tgt Ion: 75 Resp: 13412
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.087 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 117 Resp: 17125
Ion Ratio Lower Upper
117 100
119 4.2 74.5 111.7#
121 0.0 24.8 37.2#

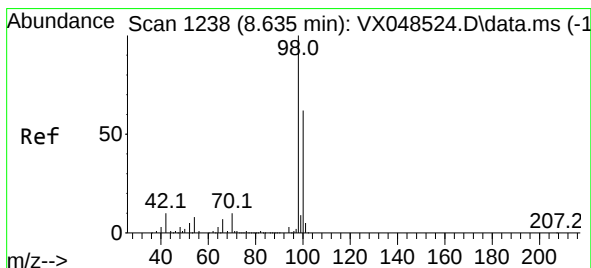
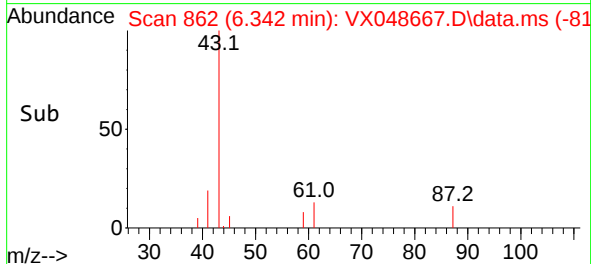
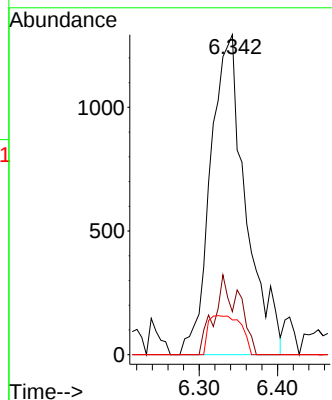
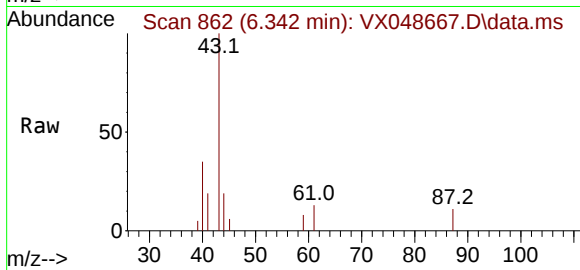




#43
Isopropyl Acetate
Concen: 0.554 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

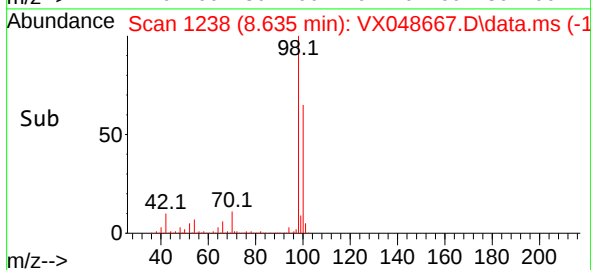
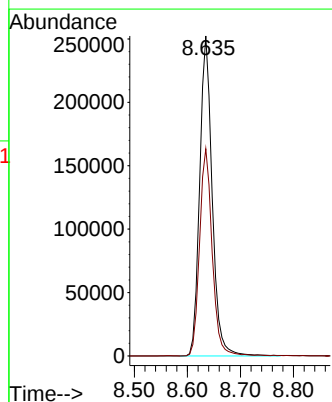
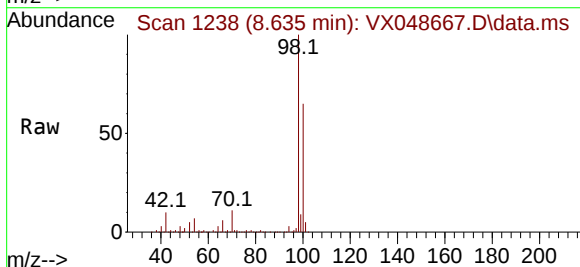
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

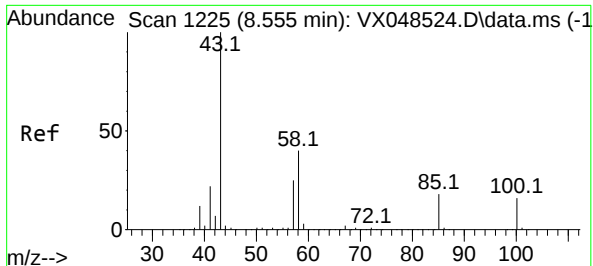
Tgt Ion: 43 Resp: 4033
Ion Ratio Lower Upper
43 100
61 11.7 16.2 24.4#
87 11.2 10.9 16.3



#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

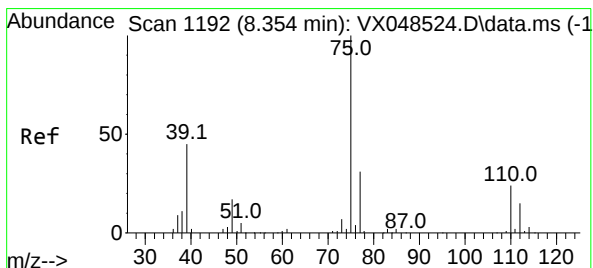
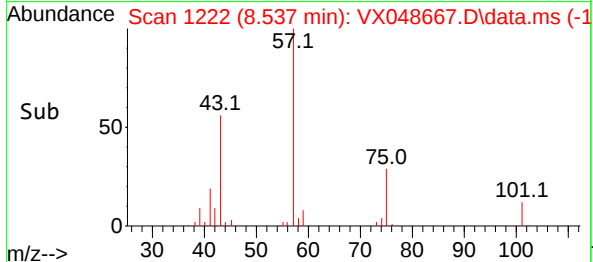
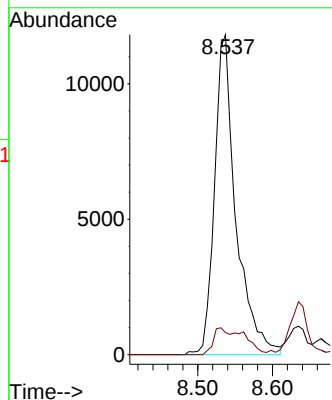
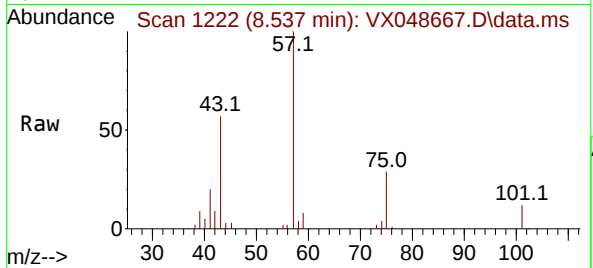




#51
4-Methyl-2-Pentanone
Concen: 5.666 ug/l
RT: 8.537 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

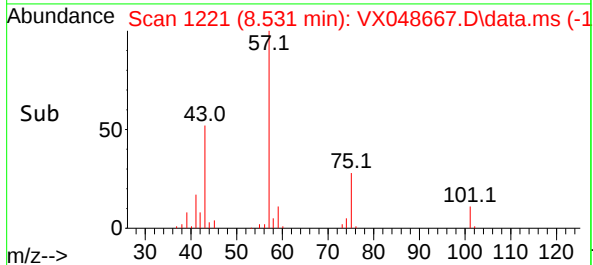
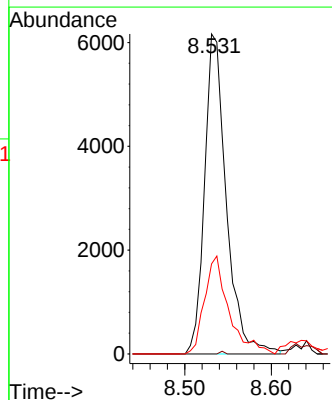
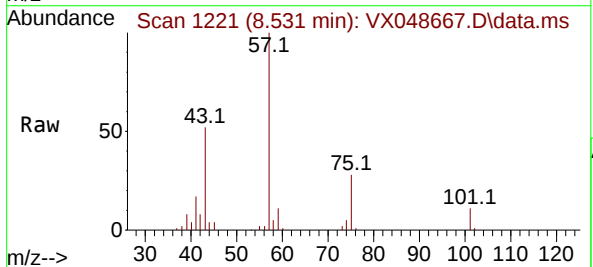
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

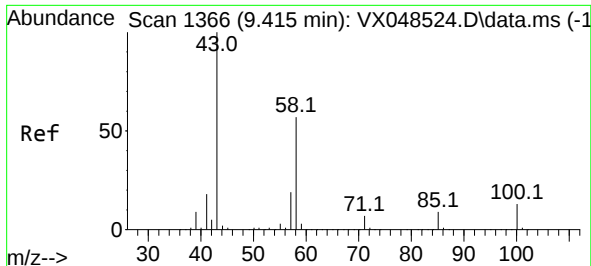
Tgt Ion: 43 Resp: 23492
Ion Ratio Lower Upper
43 100
58 6.2 32.3 48.5#



#54
cis-1,3-Dichloropropene
Concen: 2.641 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.177 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 75 Resp: 10756
Ion Ratio Lower Upper
75 100
77 0.0 24.7 37.1#
39 28.2 36.1 54.1#





#59

2-Hexanone

Concen: 1.670 ug/l

RT: 9.427 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX048667.D

Acq: 24 Nov 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

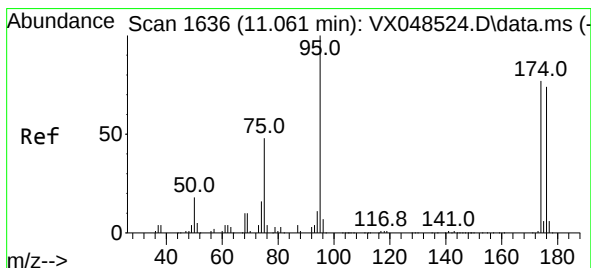
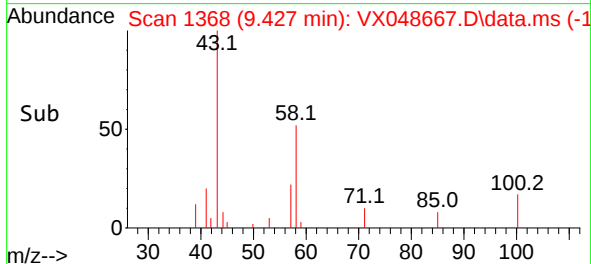
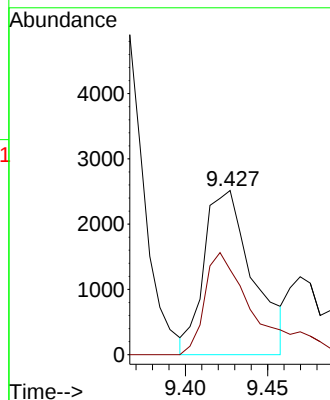
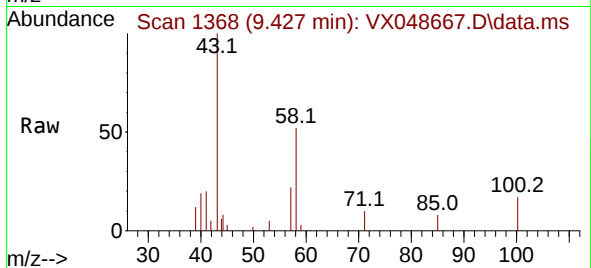
WELD-SHOP-EXCAVATION

Tgt Ion: 43 Resp: 5151

Ion Ratio Lower Upper

43 100

58 66.0 28.1 84.2



#62

4-Bromofluorobenzene

Concen: 52.403 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048667.D

Acq: 24 Nov 2025 16:29

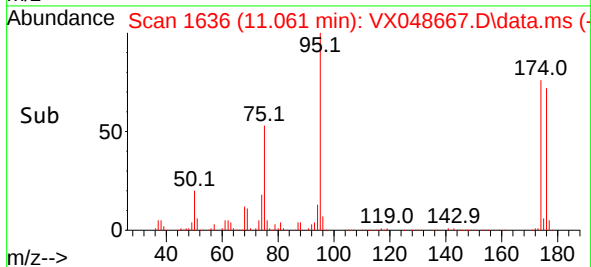
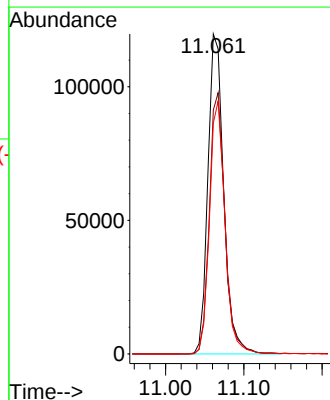
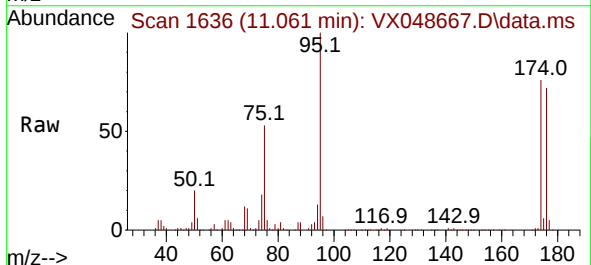
Tgt Ion: 95 Resp: 167448

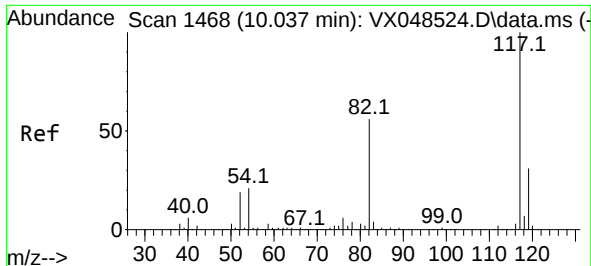
Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.8

176 77.3 0.0 153.6

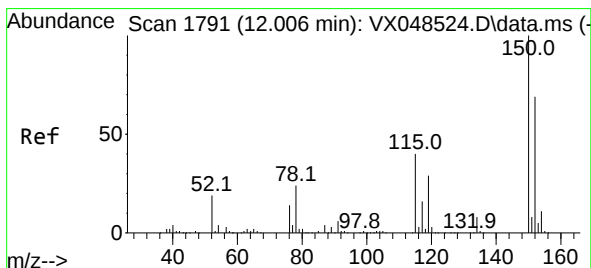
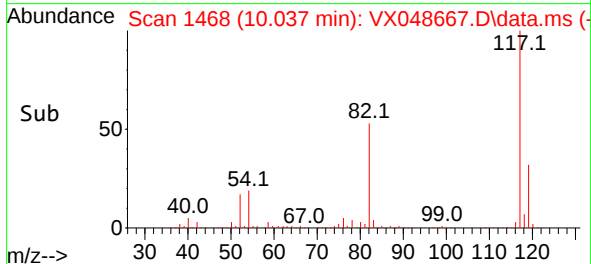
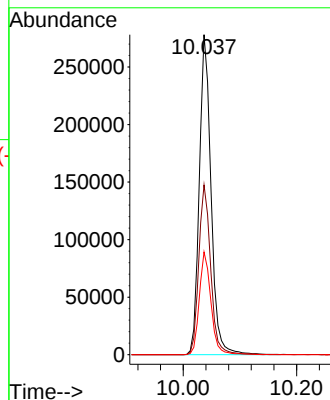
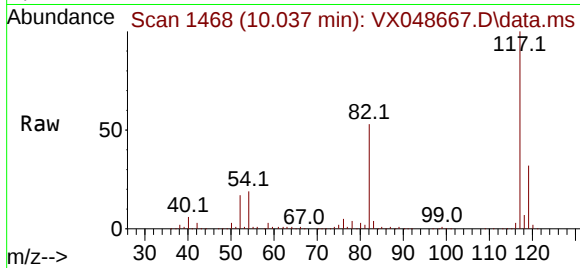




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

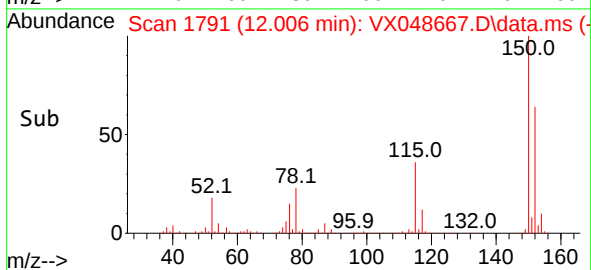
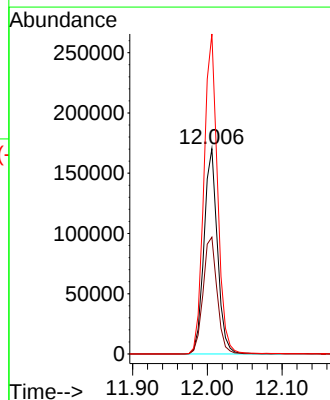
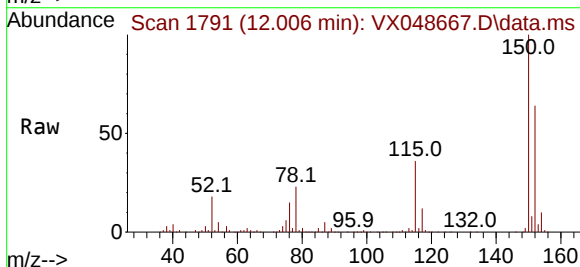
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

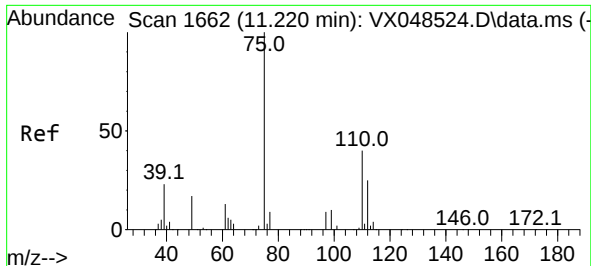
Tgt Ion:117 Resp: 399270
Ion Ratio Lower Upper
117 100
82 53.1 44.4 66.6
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

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

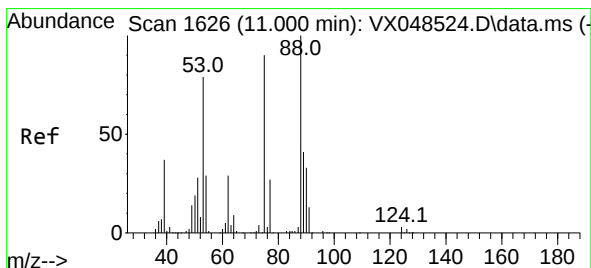
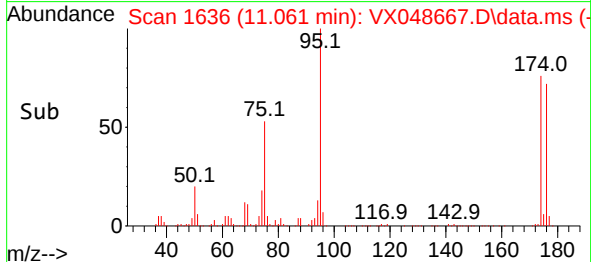
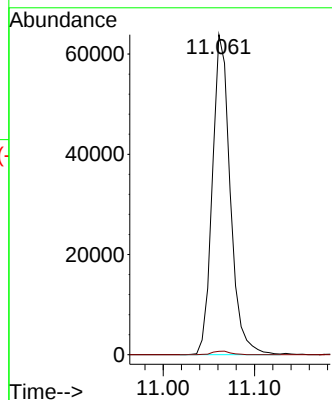
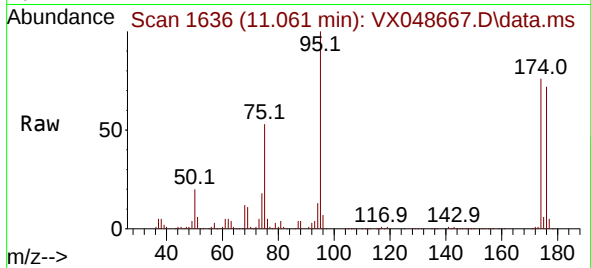




#76
1,2,3-Trichloropropane
Concen: 16.925 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

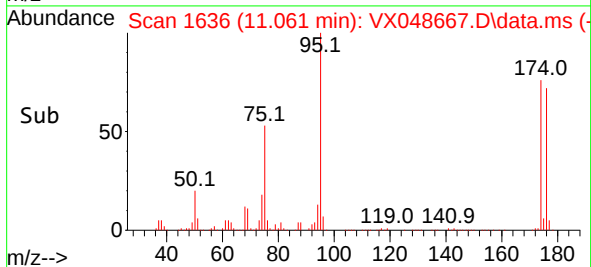
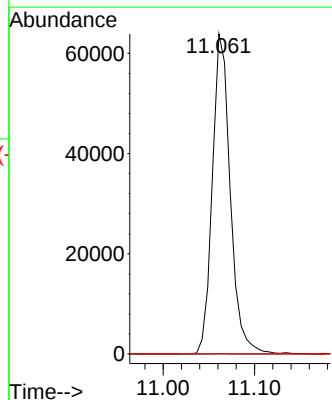
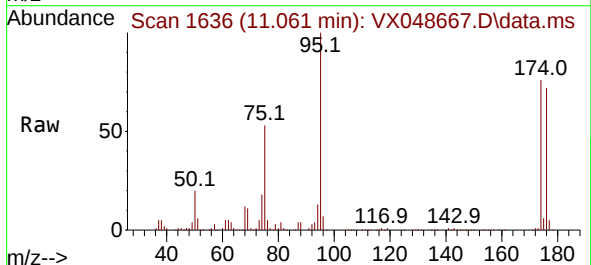
Instrument :
MSVOA_X
ClientSampleId :
WELD-SHOP-EXCAVATION

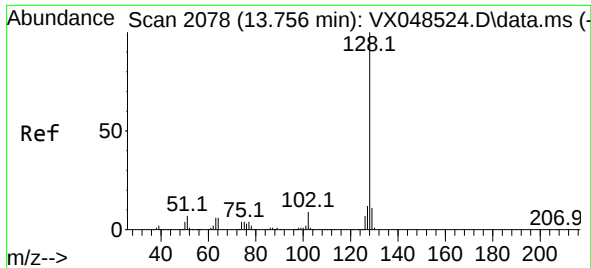
Tgt Ion: 75 Resp: 86757
Ion Ratio Lower Upper
75 100
77 1.1 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 48.411 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048667.D
Acq: 24 Nov 2025 16:29

Tgt Ion: 75 Resp: 86757
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 43.6 65.4#





#95

Naphthalene

Concen: 0.335 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048667.D

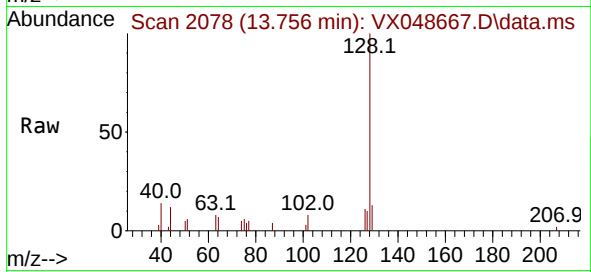
Acq: 24 Nov 2025 16:29

Instrument :

MSVOA_X

ClientSampleId :

WELD-SHOP-EXCAVATION



Tgt Ion:128 Resp: 5138

Ion Ratio Lower Upper

128 100

127 11.3 10.1 15.1

129 12.2 8.7 13.1

