

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048681.D
 Acq On : 25 Nov 2025 13:41
 Operator : JC/MD
 Sample : Q3716-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

Quant Time: Nov 26 01:00:51 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)

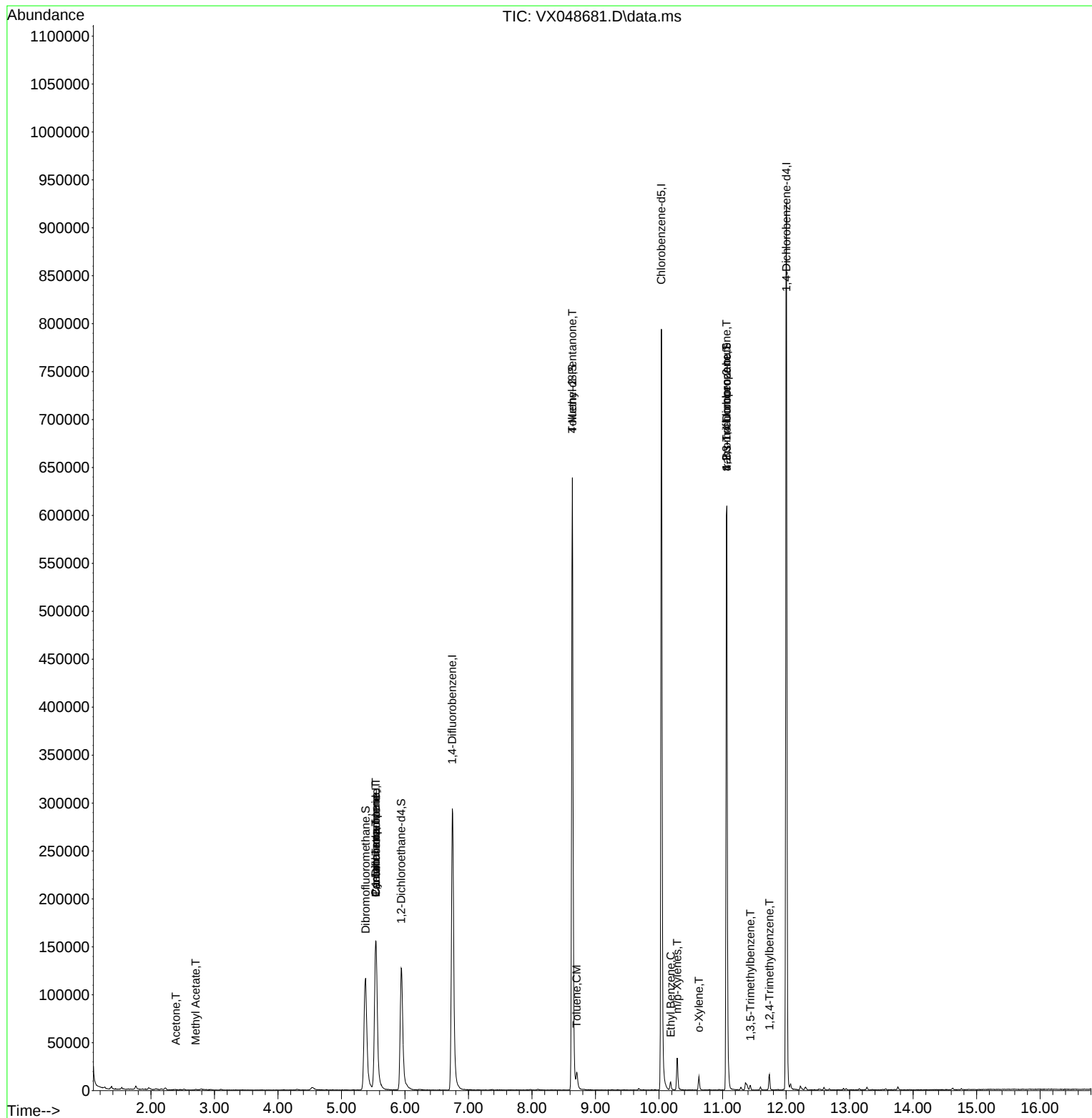
Internal Standards						
1) Pentafluorobenzene	5.544	168	169681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	330833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	374910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	205814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141197	59.719	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 119.440%#		
35) Dibromofluoromethane	5.379	113	117655	46.988	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 93.980%		
50) Toluene-d8	8.635	98	398420	51.018	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.040%		
62) 4-Bromofluorobenzene	11.061	95	179745	61.761	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 123.520%#		
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	826	0.738	ug/l	98
18) Methyl Acetate	2.703	43	1047	0.340	ug/l #	67
31) Cyclohexane	5.538	56	3147	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	13364	3.986	ug/l #	48
38) Carbon Tetrachloride	5.544	117	17500	4.585	ug/l #	21
51) 4-Methyl-2-Pentanone	8.635	43	1684	0.446	ug/l #	1
52) Toluene	8.702	92	6709	1.226	ug/l	95
67) Ethyl Benzene	10.183	91	5271	0.353	ug/l #	89
68) m/p-Xylenes	10.287	106	8573	1.523	ug/l	94
69) o-Xylene	10.628	106	3240	0.588	ug/l	93
76) 1,2,3-Trichloropropane	11.061	75	90855	18.324	ug/l #	30
80) 1,3,5-Trimethylbenzene	11.439	105	2517	0.207	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.061	75	90855	52.411	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.738	105	7724	0.629	ug/l	99

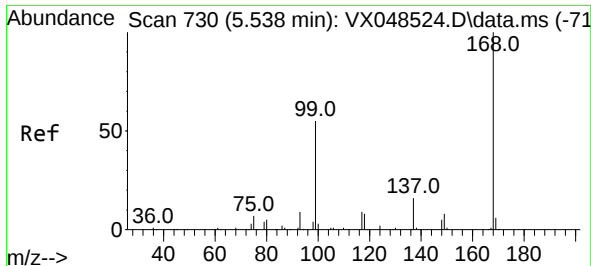
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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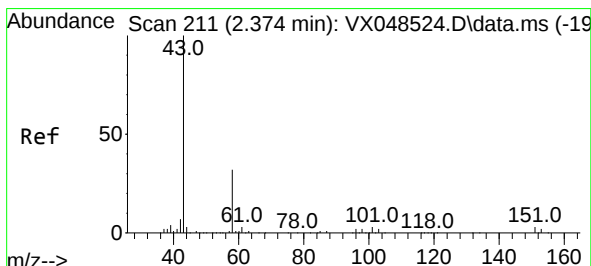
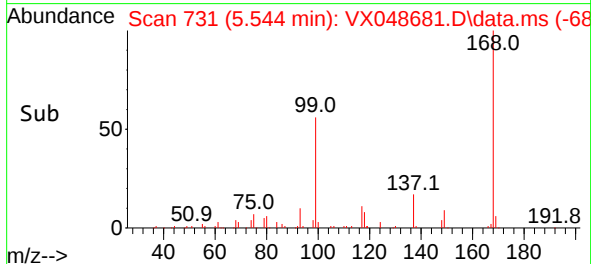
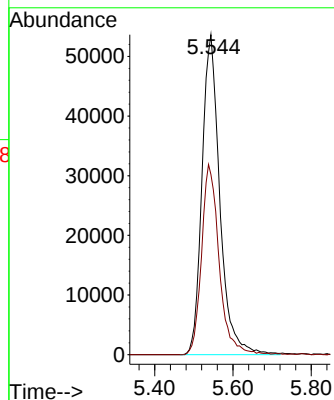
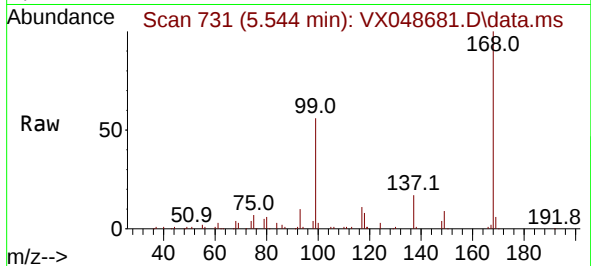




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

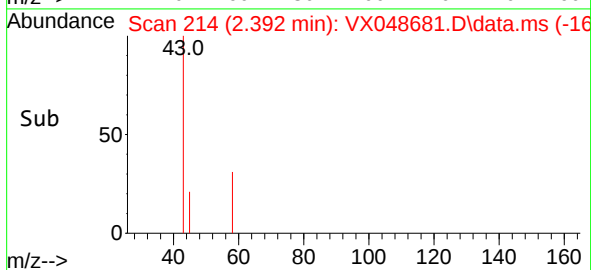
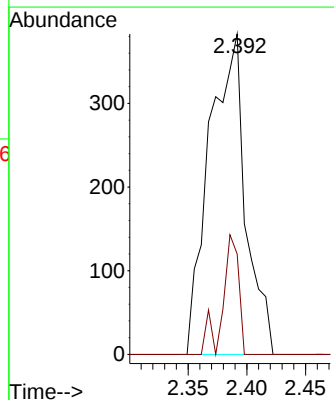
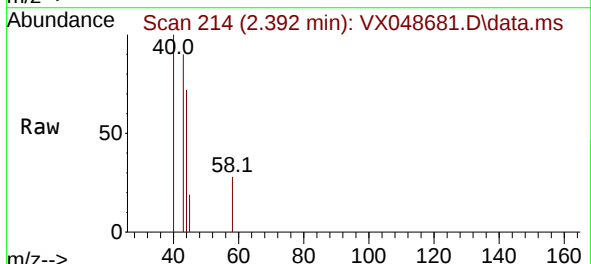
Instrument :
MSVOA_X
ClientSampleId :
MW3

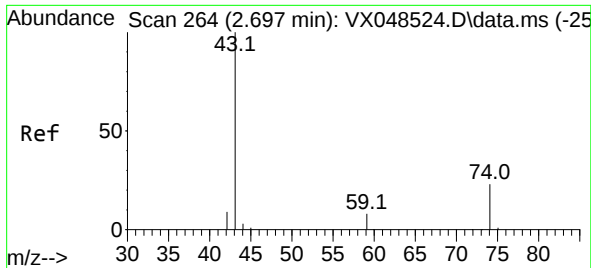
Tgt Ion:168 Resp: 169681
Ion Ratio Lower Upper
168 100
99 56.3 45.2 67.8



#16
Acetone
Concen: 0.738 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 31.3 25.8 38.6

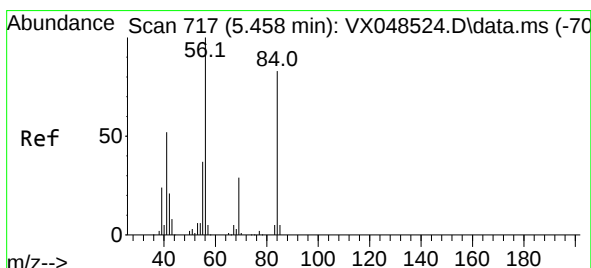
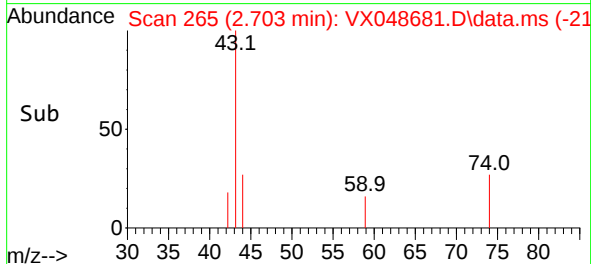
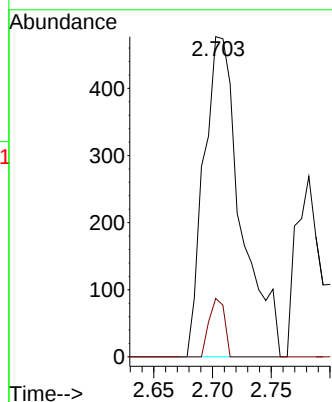
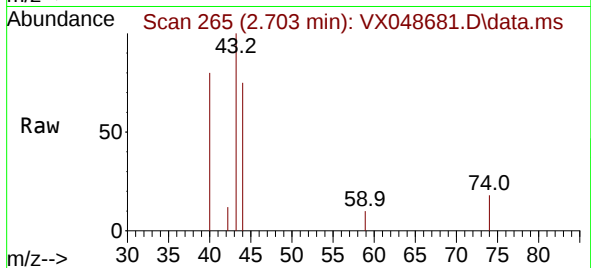




#18
Methyl Acetate
Concen: 0.340 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

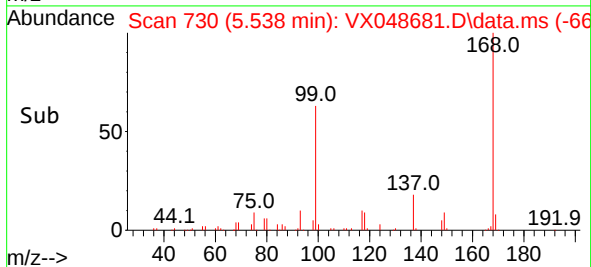
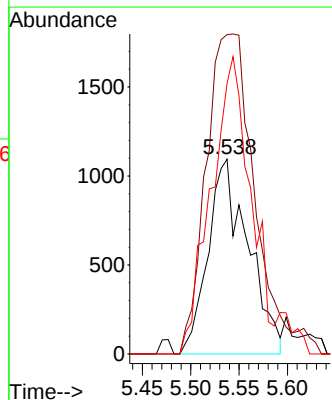
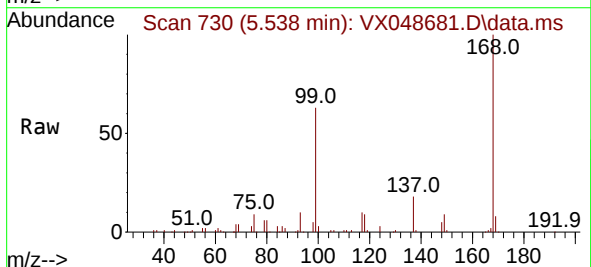
Instrument :
MSVOA_X
ClientSampleId :
MW3

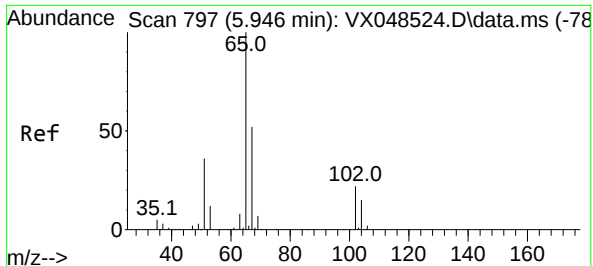
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
74 7.5 19.1 28.7#



#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 164.0 23.4 35.2#
84 138.9 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 59.719 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048681.D

Acq: 25 Nov 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

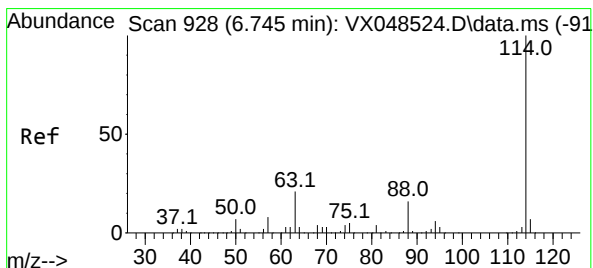
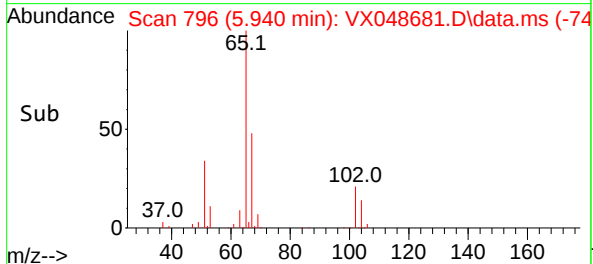
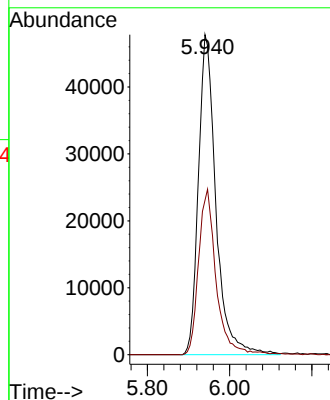
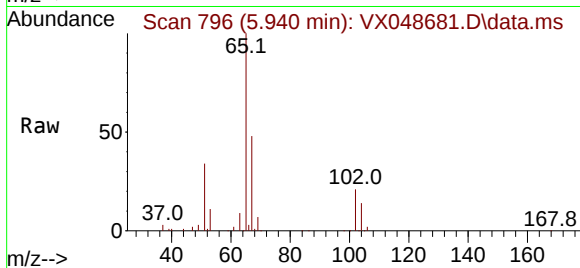
MW3

Tgt Ion: 65 Resp: 141197

Ion Ratio Lower Upper

65 100

67 51.7 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: VX048681.D

Acq: 25 Nov 2025 13:41

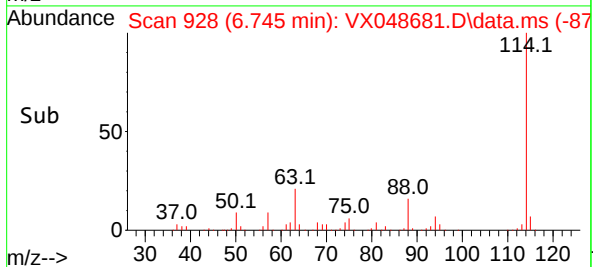
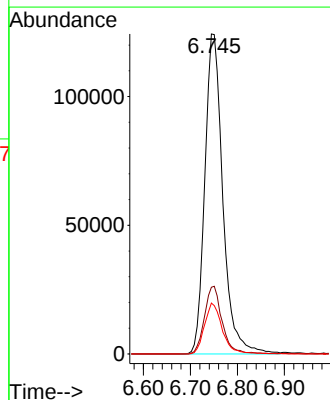
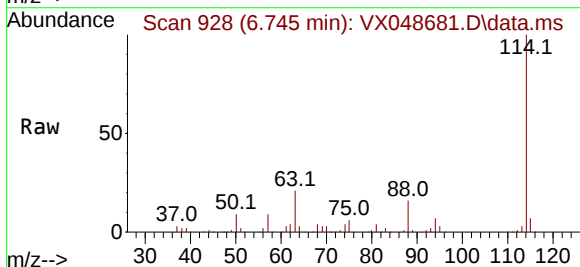
Tgt Ion: 114 Resp: 330833

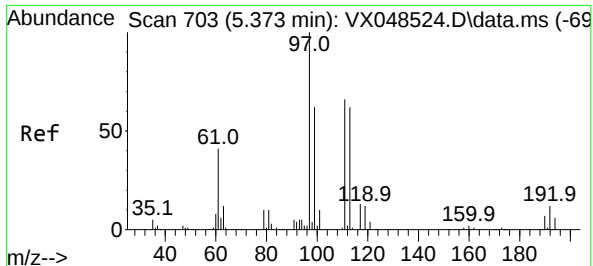
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 15.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.988 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048681.D

Acq: 25 Nov 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

MW3

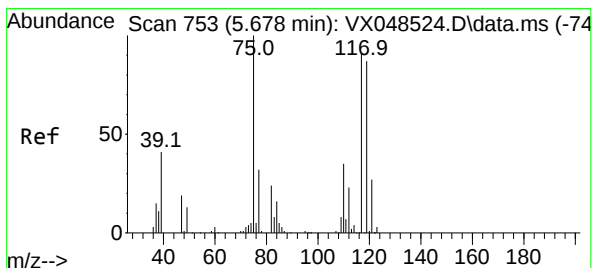
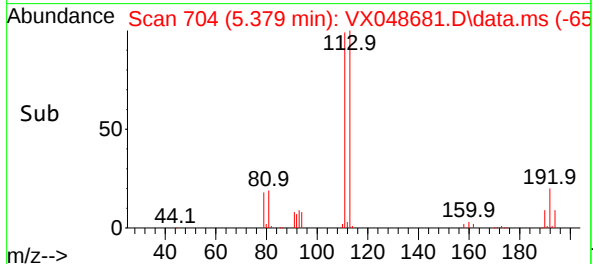
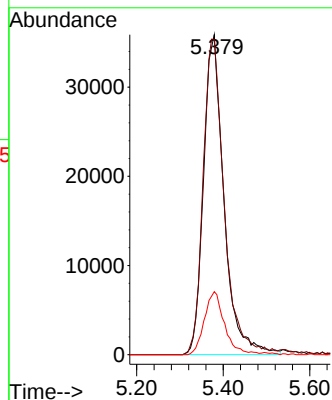
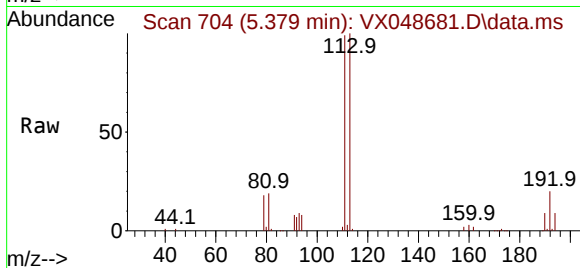
Tgt Ion:113 Resp: 117655

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

192 19.1 15.8 23.6



#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.140 min

Lab File: VX048681.D

Acq: 25 Nov 2025 13:41

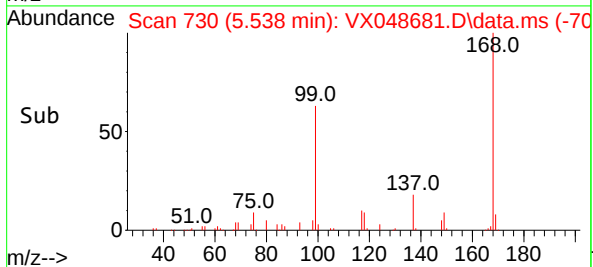
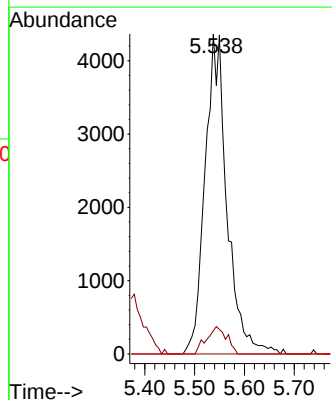
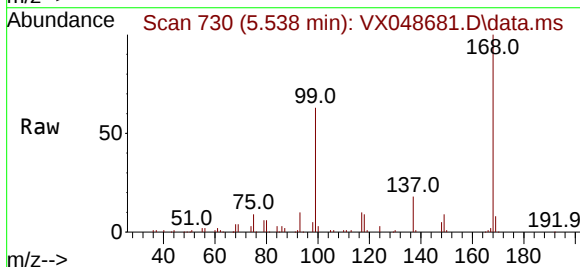
Tgt Ion: 75 Resp: 13364

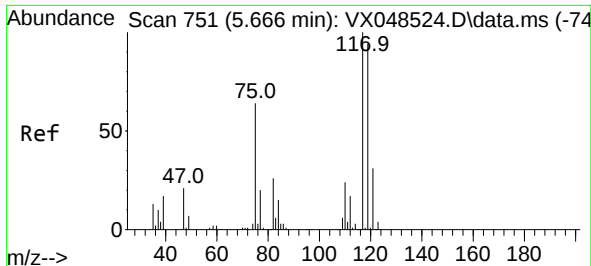
Ion Ratio Lower Upper

75 100

110 7.8 18.4 55.4#

77 0.0 24.6 37.0#

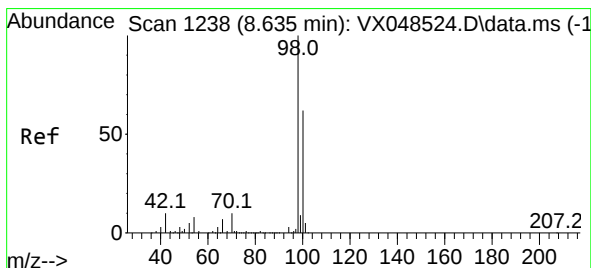
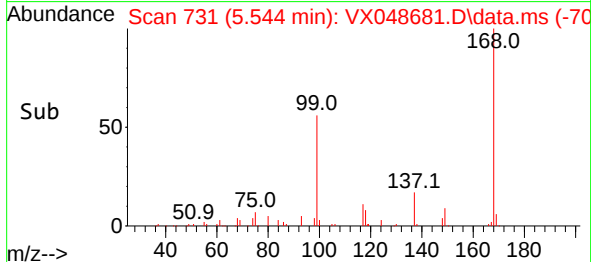
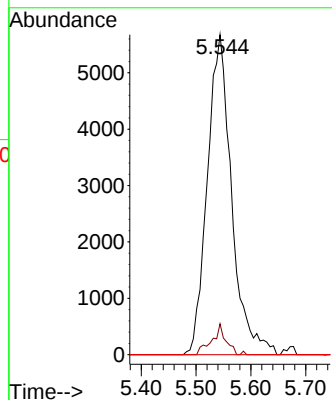
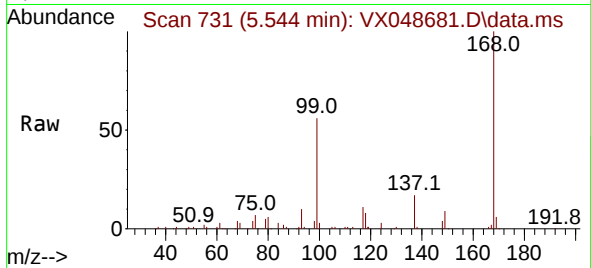




#38
Carbon Tetrachloride
Concen: 4.585 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

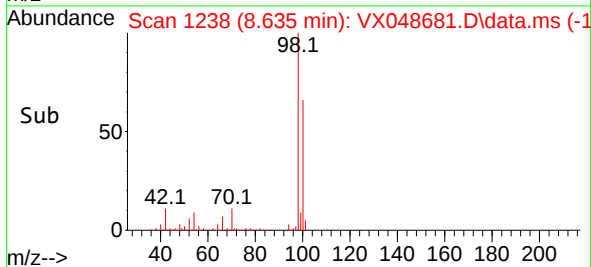
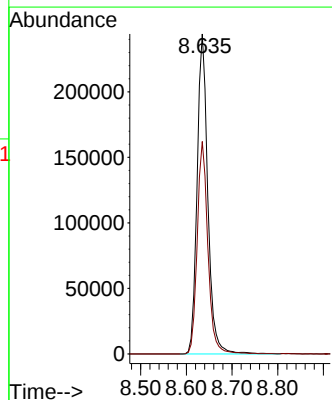
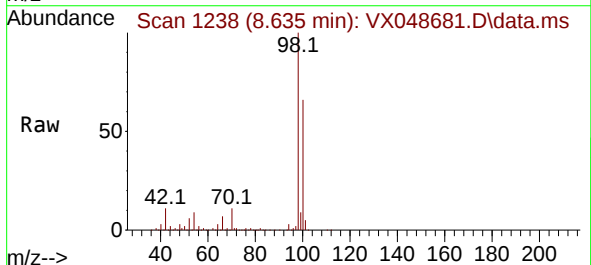
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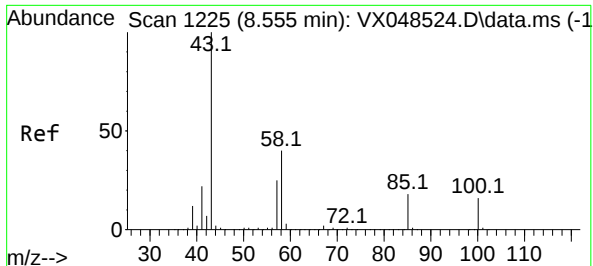
Tgt Ion:117 Resp: 17500
Ion Ratio Lower Upper
117 100
119 9.6 74.5 111.7#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.018 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 98 Resp: 398420
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

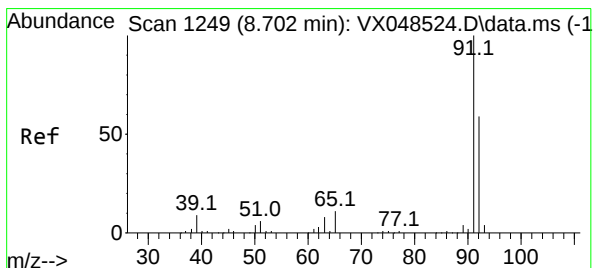
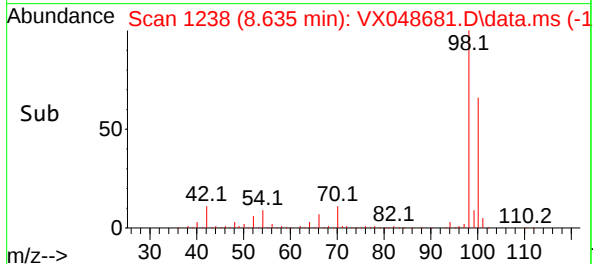
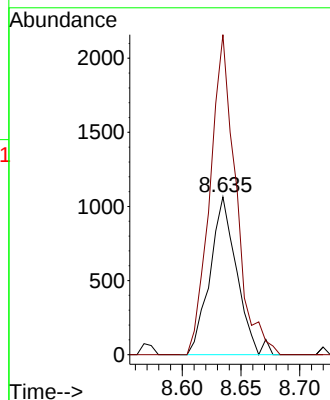
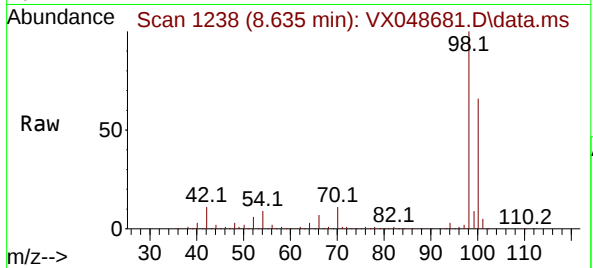




#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.079 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

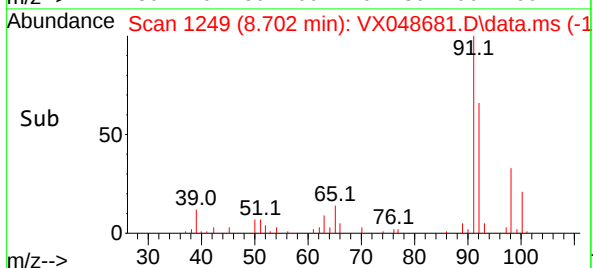
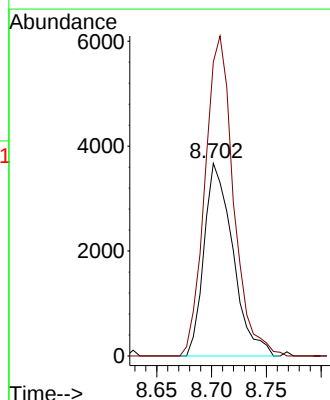
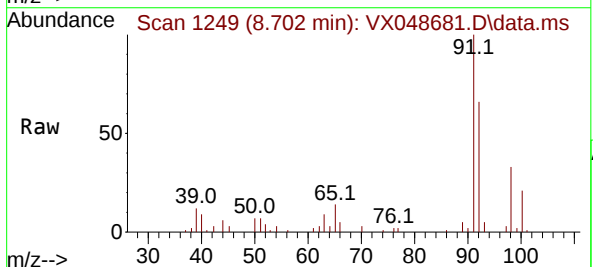
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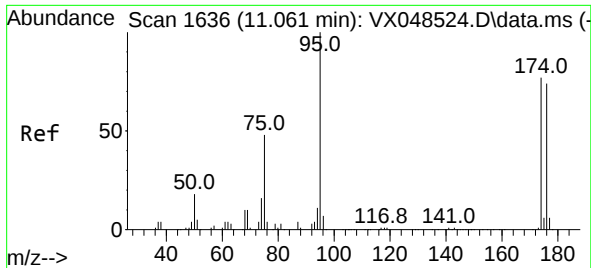
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
58 197.0 32.3 48.5#



#52
Toluene
Concen: 1.226 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 92 Resp: 6709
Ion Ratio Lower Upper
92 100
91 165.0 137.0 205.6

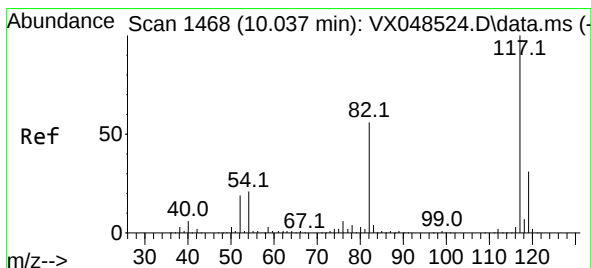
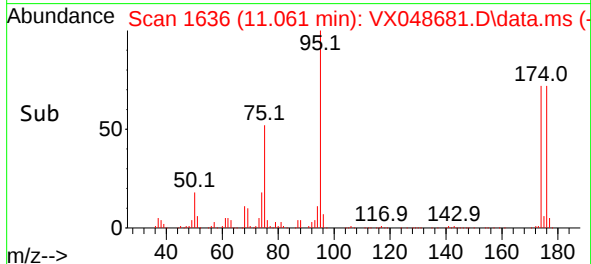
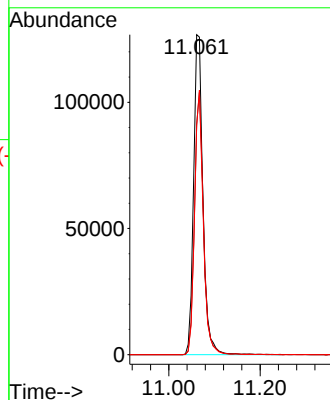
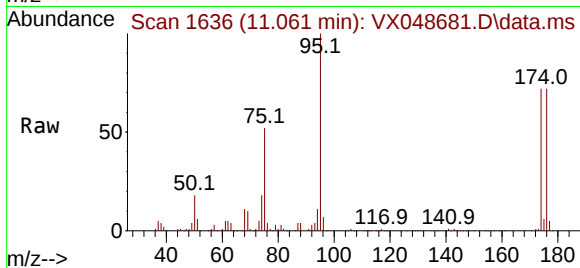




#62
4-Bromofluorobenzene
Concen: 61.761 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

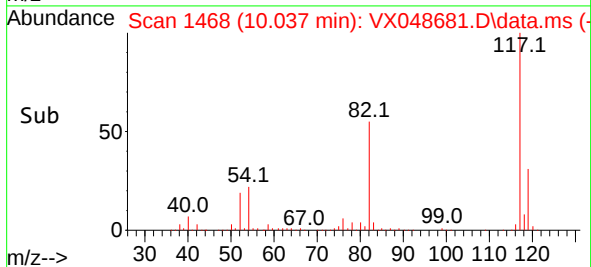
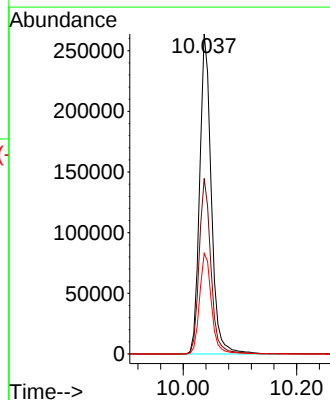
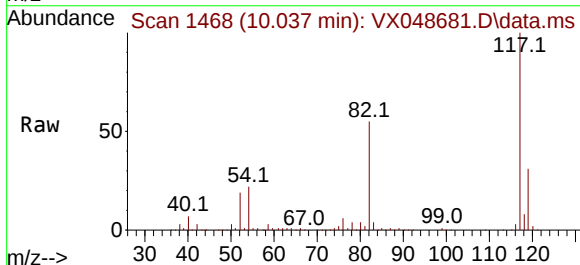
Instrument :
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MW3

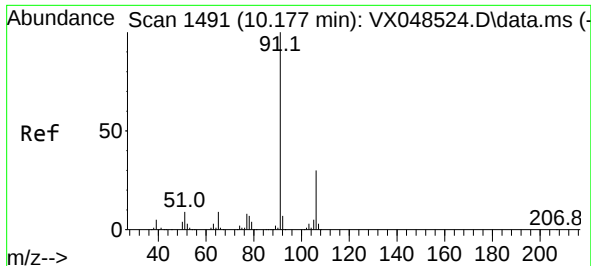
Tgt Ion: 95 Resp: 179745
Ion Ratio Lower Upper
95 100
174 79.6 0.0 161.8
176 77.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 117 Resp: 374910
Ion Ratio Lower Upper
117 100
82 54.9 44.4 66.6
119 31.5 25.1 37.7





#67

Ethyl Benzene

Concen: 0.353 ug/l

RT: 10.183 min Scan# 1491

Delta R.T. 0.006 min

Lab File: VX048681.D

Acq: 25 Nov 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

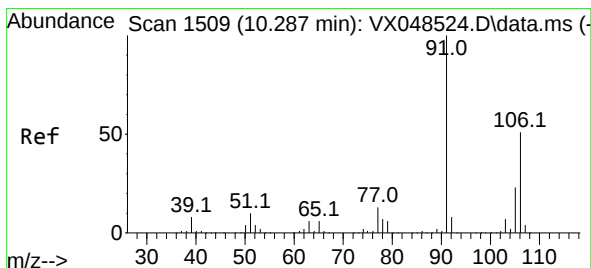
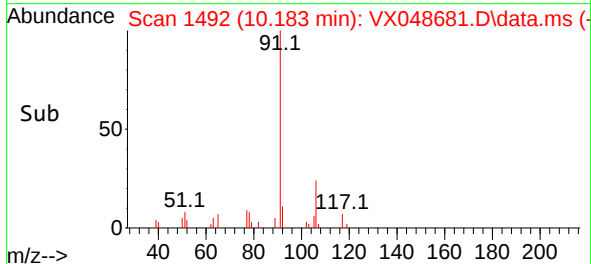
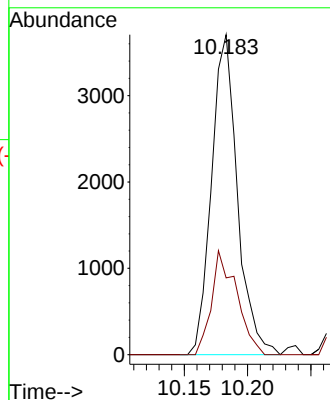
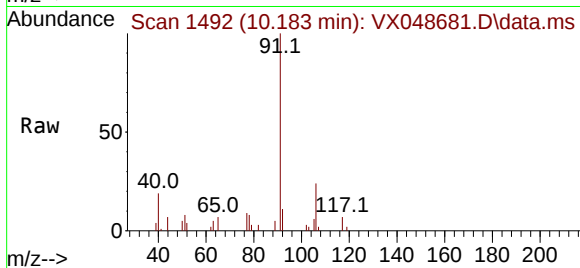
MW3

Tgt Ion: 91 Resp: 5271

Ion Ratio Lower Upper

91 100

106 24.0 24.1 36.1#



#68

m/p-Xylenes

Concen: 1.523 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048681.D

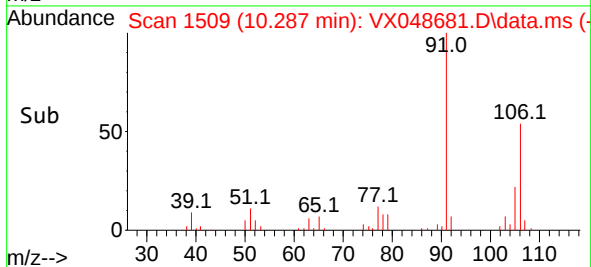
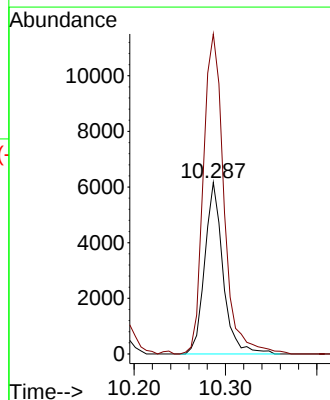
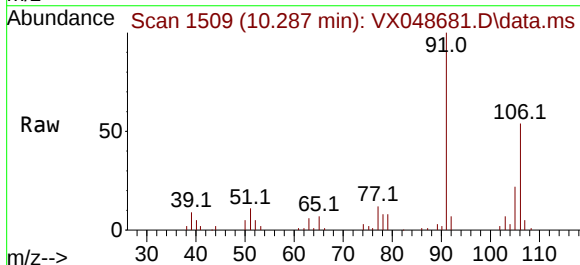
Acq: 25 Nov 2025 13:41

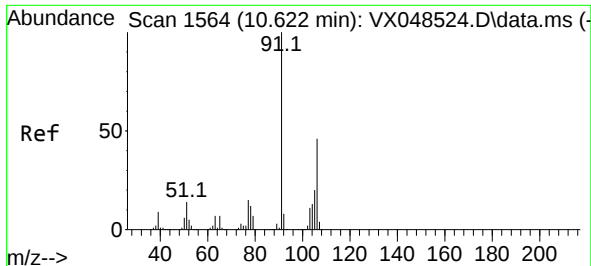
Tgt Ion: 106 Resp: 8573

Ion Ratio Lower Upper

106 100

91 209.2 159.6 239.4

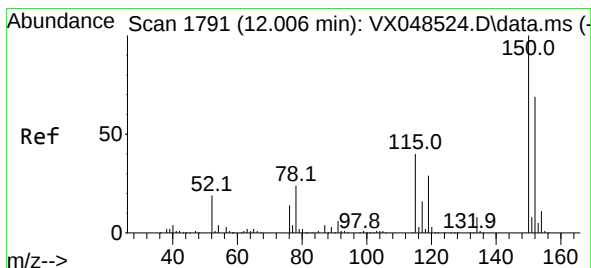
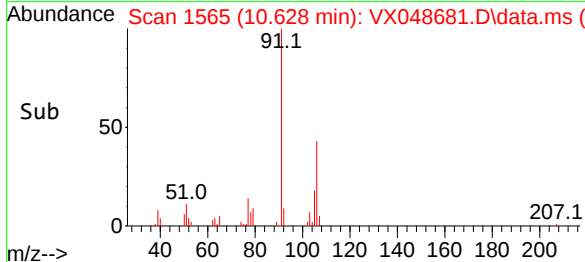
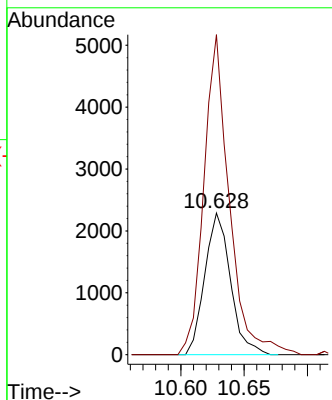
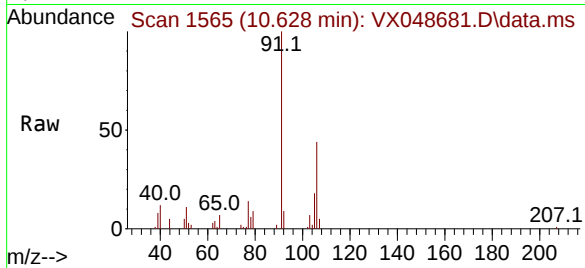




#69
o-Xylene
Concen: 0.588 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

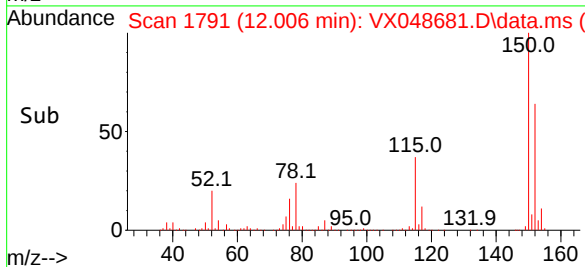
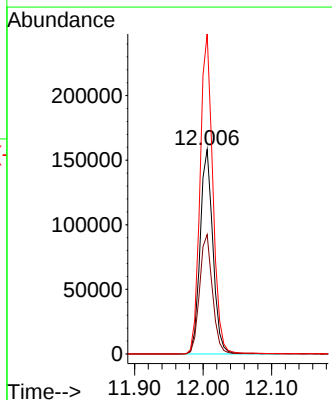
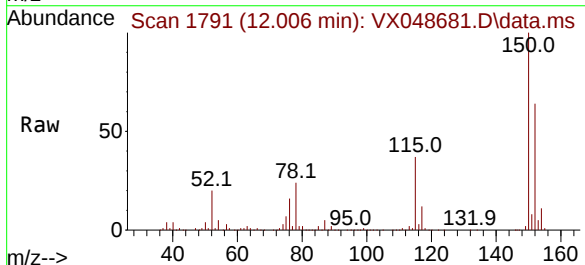
Instrument :
MSVOA_X
ClientSampleId :
MW3

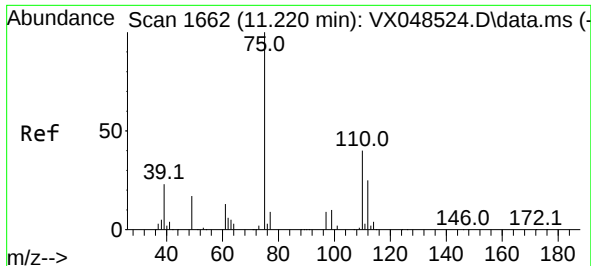
Tgt Ion:106 Resp: 3240
Ion Ratio Lower Upper
106 100
91 223.4 106.4 319.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion:152 Resp: 205814
Ion Ratio Lower Upper
152 100
115 58.8 39.2 117.6
150 156.1 0.0 347.0

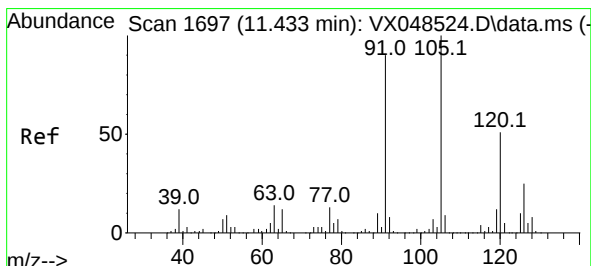
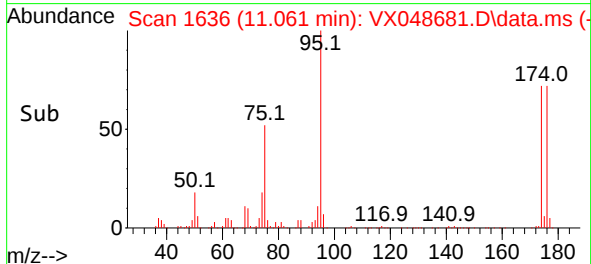
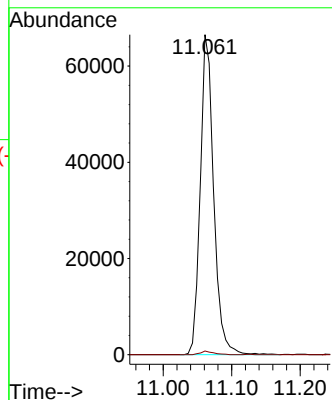
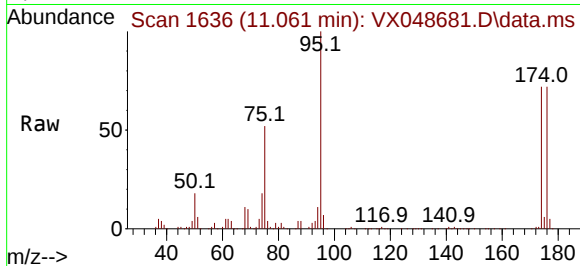




#76
1,2,3-Trichloropropane
Concen: 18.324 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

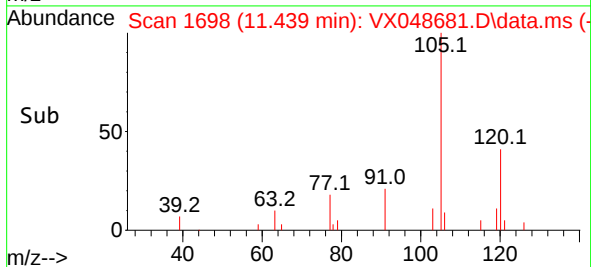
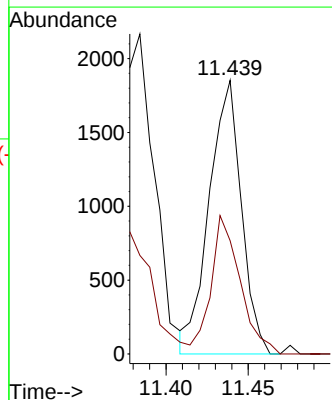
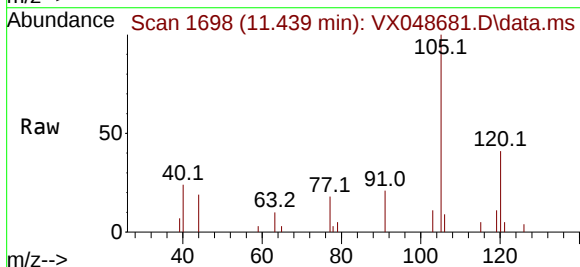
Instrument :
MSVOA_X
ClientSampleId :
MW3

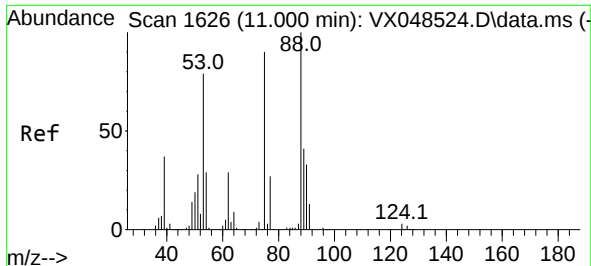
Tgt Ion: 75 Resp: 90855
Ion Ratio Lower Upper
75 100
77 1.1 24.3 72.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.207 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 105 Resp: 2517
Ion Ratio Lower Upper
105 100
120 45.6 25.1 75.2

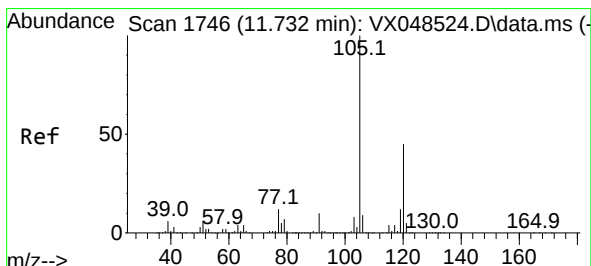
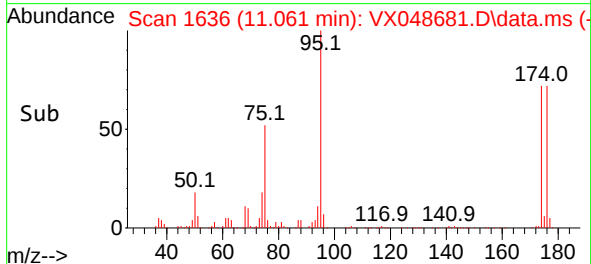
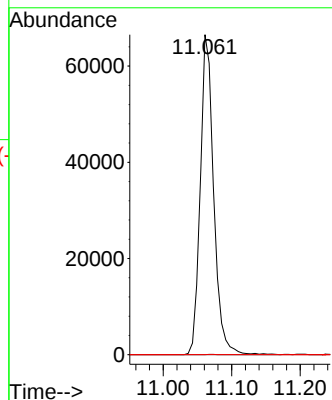
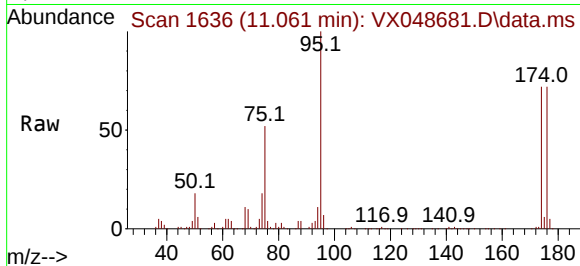




#81
trans-1,4-Dichloro-2-butene
Concen: 52.411 ug/l
RT: 11.061 min Scan# 1106
Delta R.T. 0.061 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :
MW3

Tgt Ion: 75 Resp: 90855
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.629 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048681.D
Acq: 25 Nov 2025 13:41

Tgt Ion: 105 Resp: 7724
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.0

