

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048538.D
 Acq On : 10 Nov 2025 14:45
 Operator : JC/MD
 Sample : Q3584-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:47:11 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

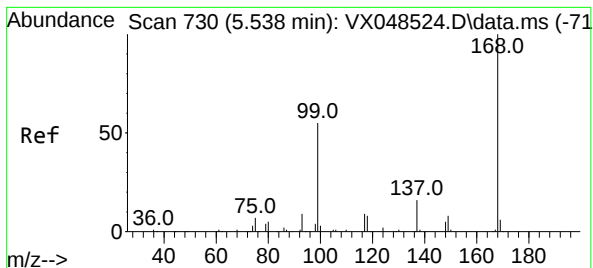
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	164671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	253875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	131909	57.488	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.980%	
35) Dibromofluoromethane	5.373	113	114044	59.352	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.700%	
50) Toluene-d8	8.634	98	309532	51.651	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	11.061	95	129291	57.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	194	0.446	ug/l #	71
13) Acrolein	2.239	56	24	0.382	ug/l #	15
16) Acetone	2.380	43	5149	4.741	ug/l #	88
18) Methyl Acetate	2.697	43	924	0.310	ug/l #	87
20) Methylene Chloride	2.794	84	2530	1.133	ug/l	91
29) Tetrahydrofuran	5.019	42	1464	1.278	ug/l #	69
31) Cyclohexane	5.537	56	3029	0.983	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	12580	4.889	ug/l #	47
38) Carbon Tetrachloride	5.537	117	16997	5.803	ug/l #	17
41) Methacrylonitrile	5.007	41	380	0.239	ug/l #	38
51) 4-Methyl-2-Pentanone	8.567	43	719	0.248	ug/l #	65
76) 1,2,3-Trichloropropane	11.061	75	70354	20.428	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	70354	58.431	ug/l #	12

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

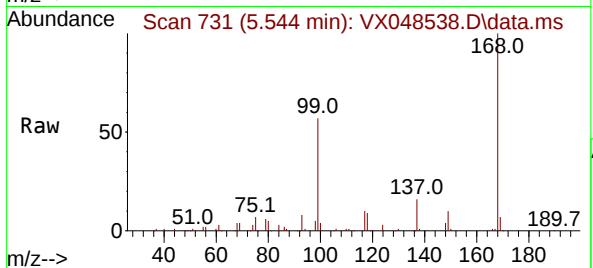
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



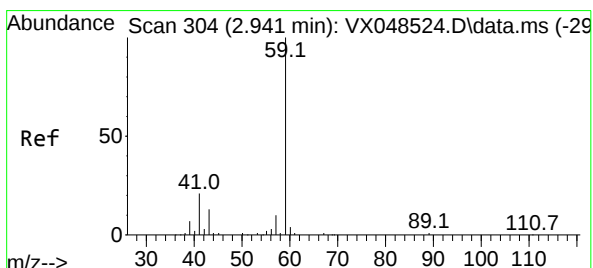
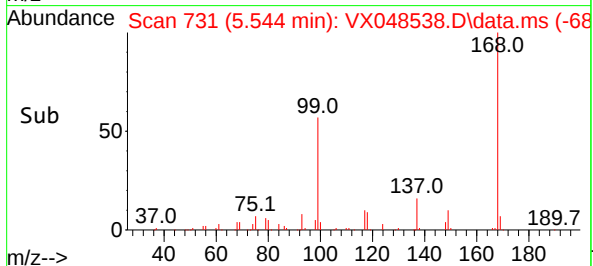
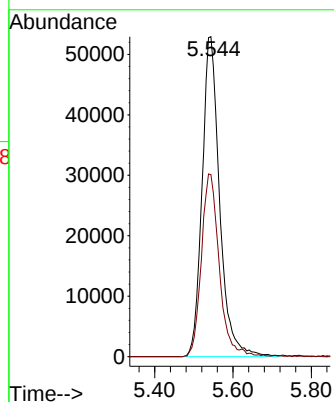


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :

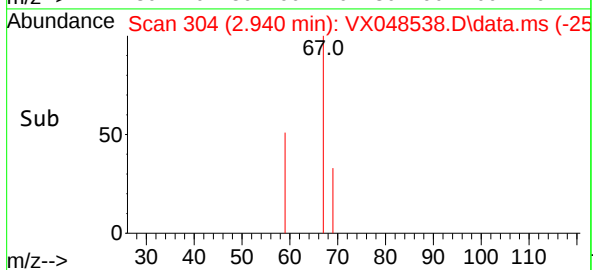
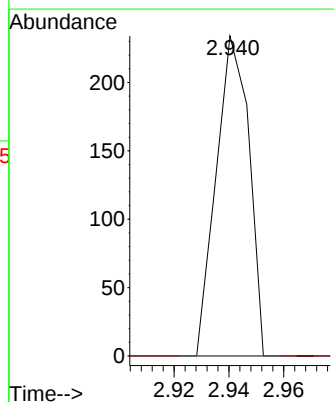
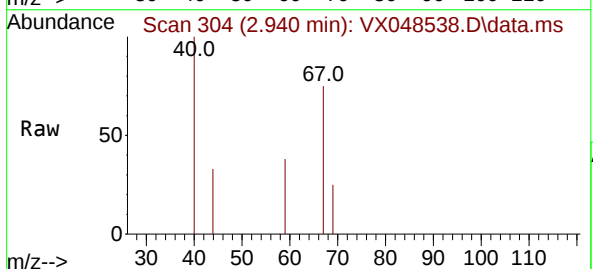


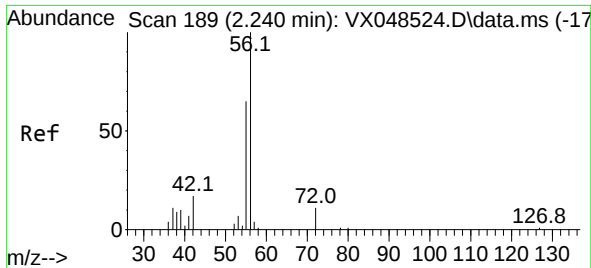
Tgt Ion:168 Resp: 164671
Ion Ratio Lower Upper
168 100
99 56.9 45.2 67.8



#11
Tert butyl alcohol
Concen: 0.446 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

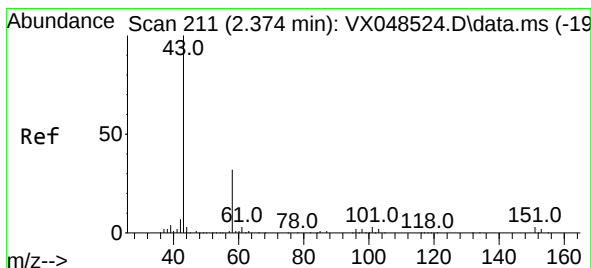
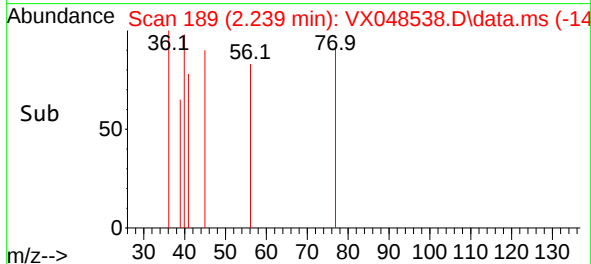
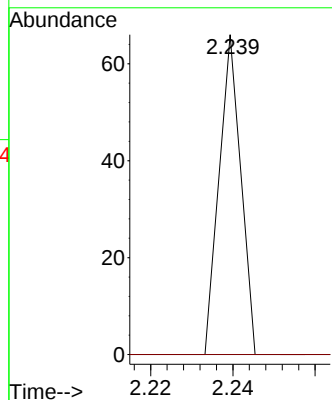
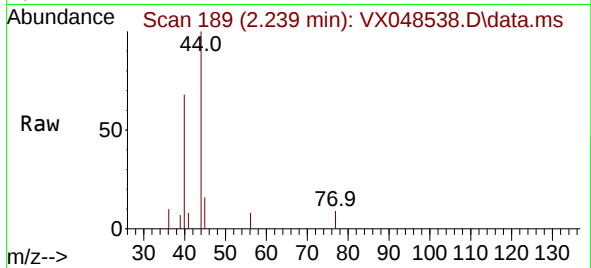




#13
Acrolein
Concen: 0.382 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

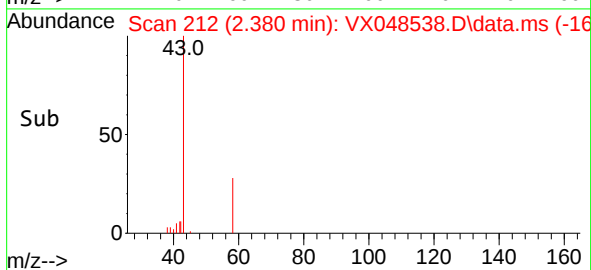
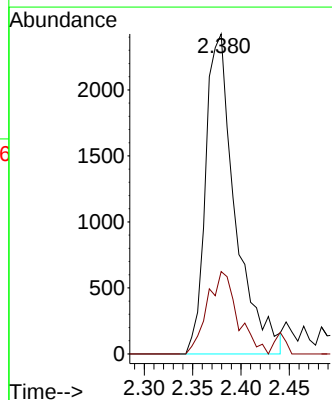
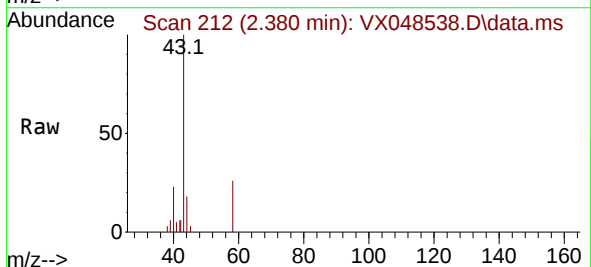
Instrument :
MSVOA_X
ClientSampleId :

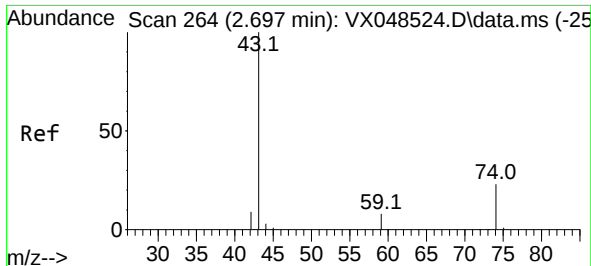
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 4.741 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
58 25.7 25.8 38.6#

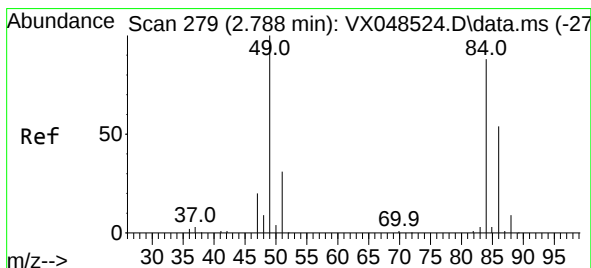
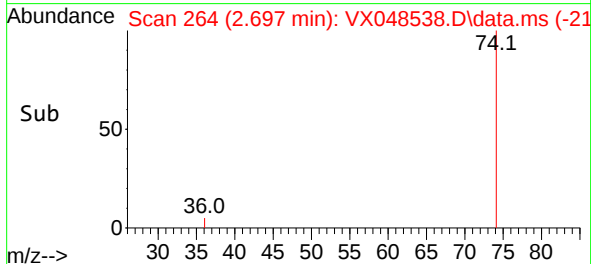
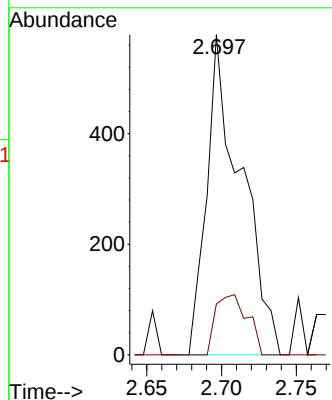
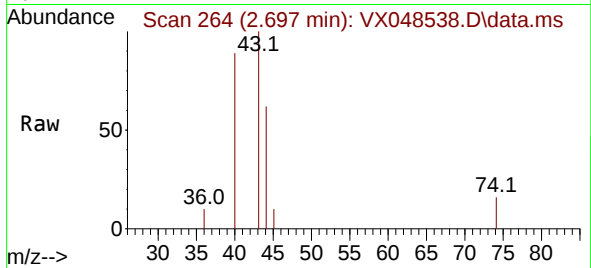




#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

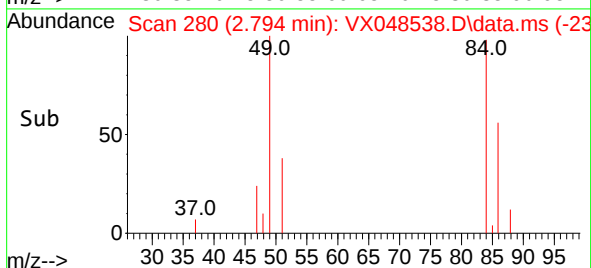
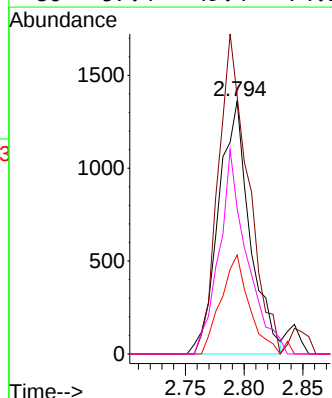
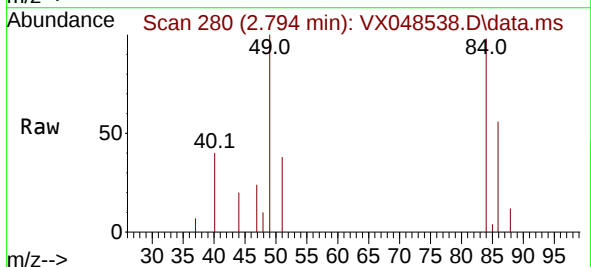
Instrument :
MSVOA_X
ClientSampleId :

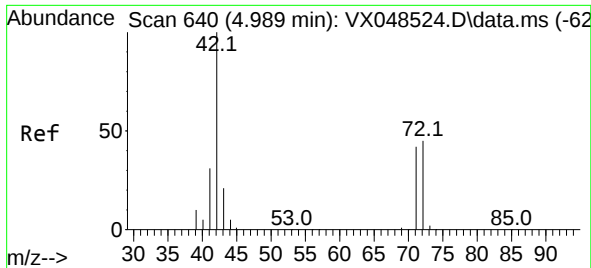
Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
74 17.4 19.1 28.7#



#20
Methylene Chloride
Concen: 1.133 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

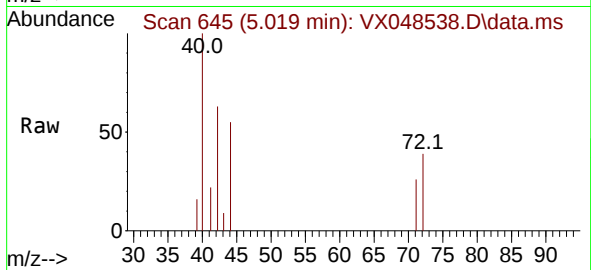
Tgt Ion: 84 Resp: 2530
Ion Ratio Lower Upper
84 100
49 101.8 91.2 136.8
51 39.1 28.3 42.5
86 57.4 49.4 74.2



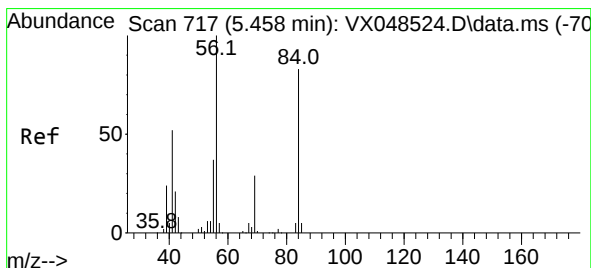
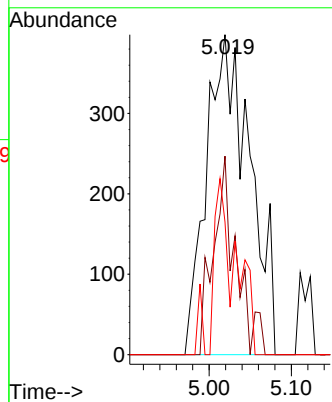
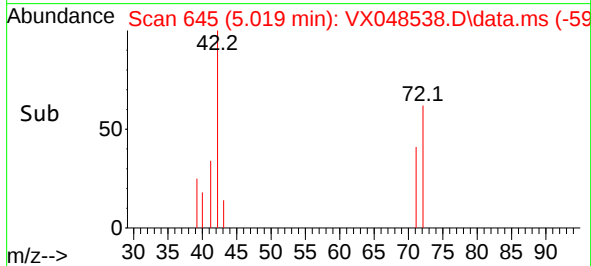


#29
Tetrahydrofuran
Concen: 1.278 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.030 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

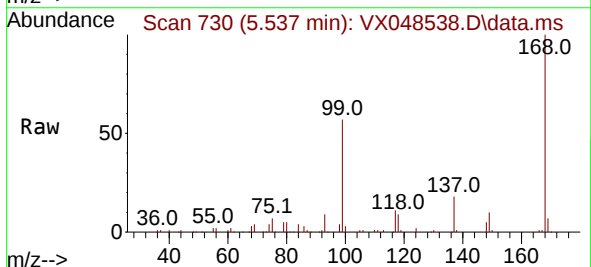
Instrument :
MSVOA_X
ClientSampleId :



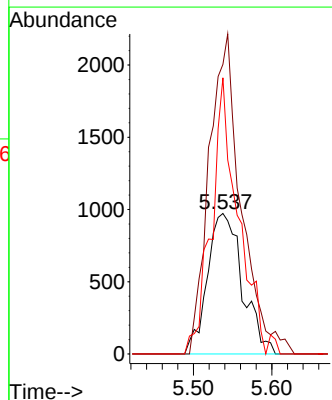
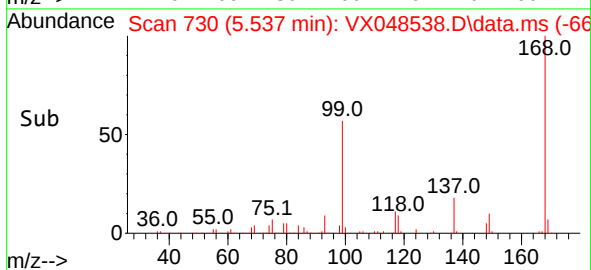
Tgt Ion: 42 Resp: 1464
Ion Ratio Lower Upper
42 100
72 32.7 36.3 54.5#
71 15.4 34.1 51.1#

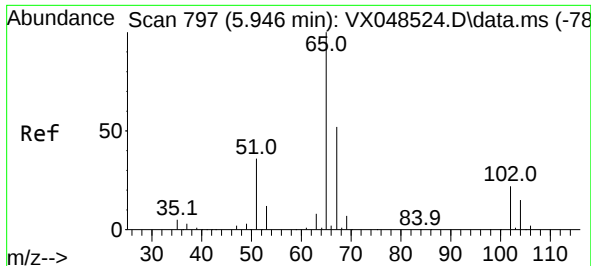


#31
Cyclohexane
Concen: 0.983 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45



Tgt Ion: 56 Resp: 3029
Ion Ratio Lower Upper
56 100
69 206.1 23.4 35.2#
84 196.5 66.3 99.5#

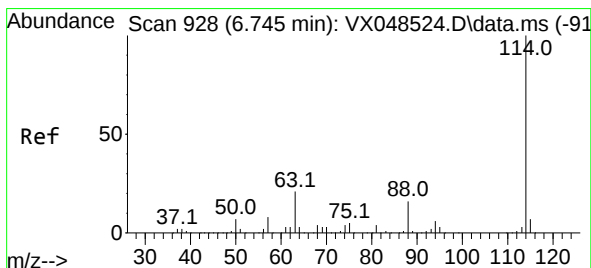
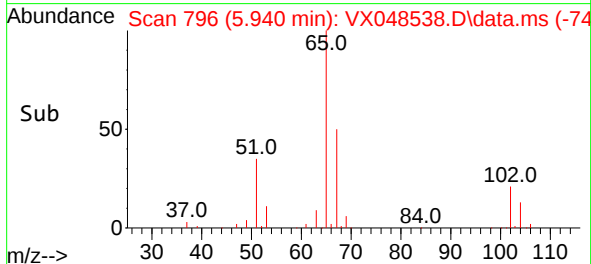
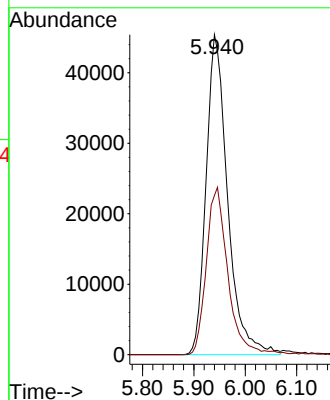
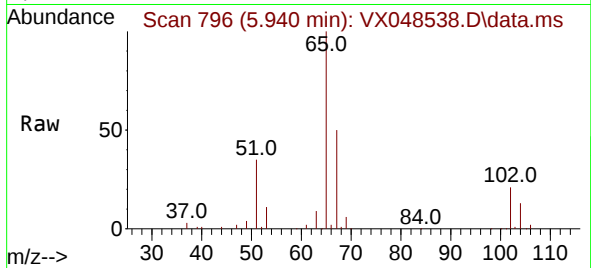




#33
1,2-Dichloroethane-d4
Concen: 57.488 ug/l
RT: 5.940 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

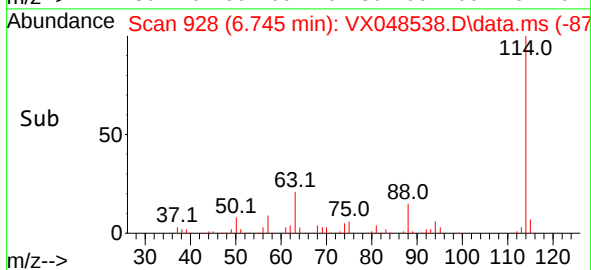
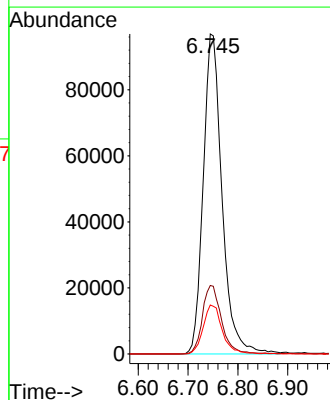
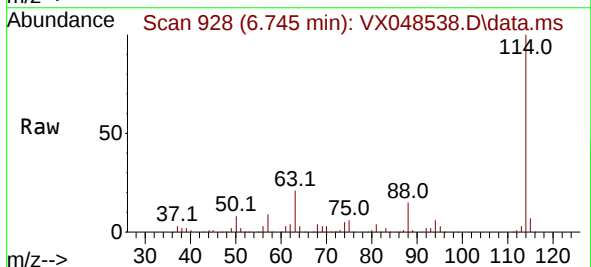
Instrument :
MSVOA_X
ClientSampleId :

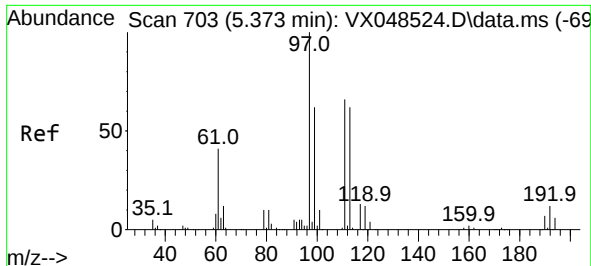
Tgt Ion: 65 Resp: 131909
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

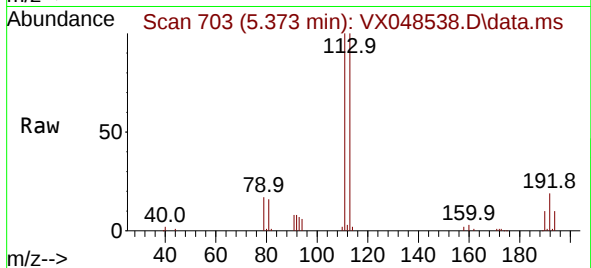
Tgt Ion: 114 Resp: 253875
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.2
88 15.3 0.0 32.2



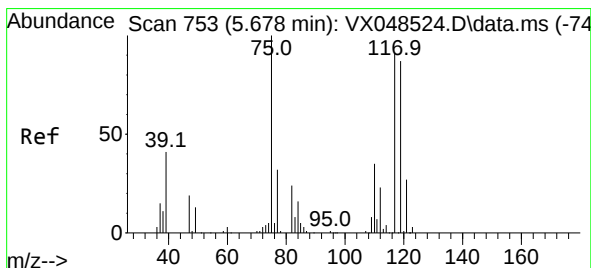
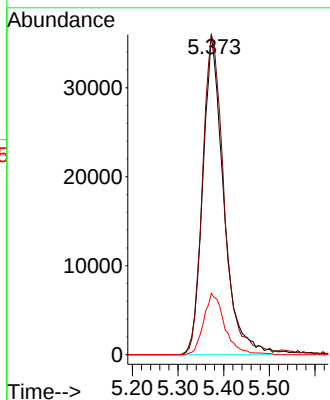
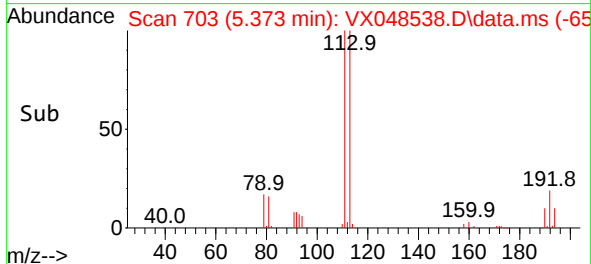


#35
Dibromofluoromethane
Concen: 59.352 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

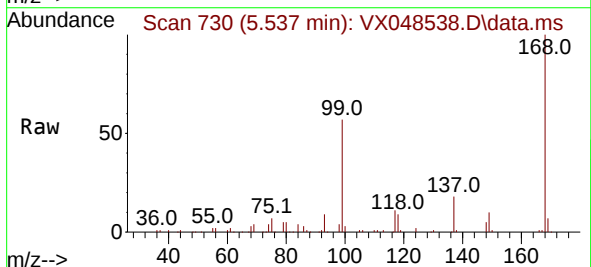
Instrument :
MSVOA_X
ClientSampleId :



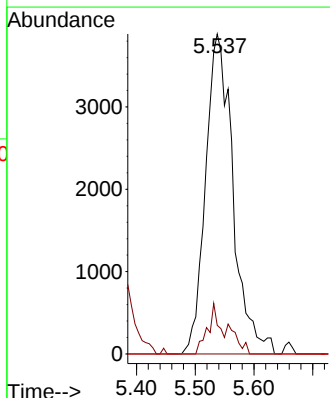
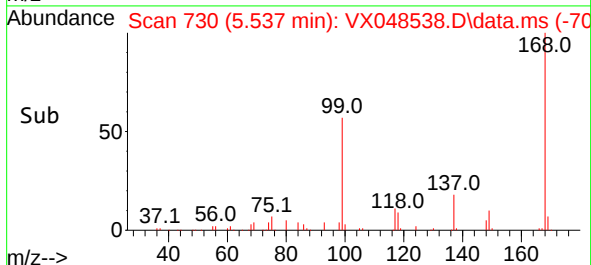
Tgt Ion:113 Resp: 114044
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.4 15.8 23.6

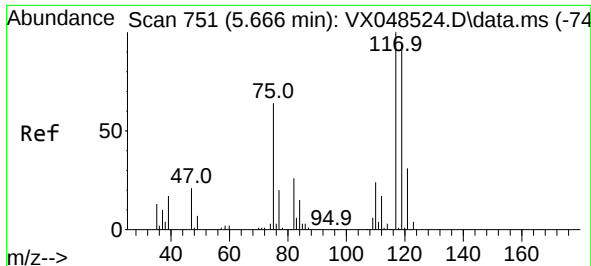


#36
1,1-Dichloropropene
Concen: 4.889 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.140 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45



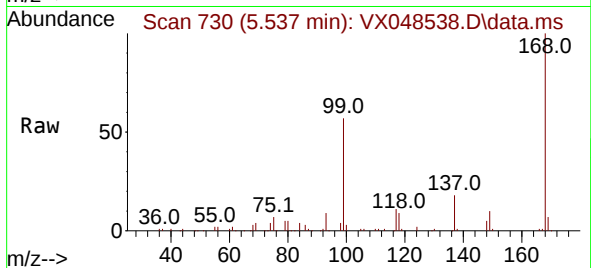
Tgt Ion: 75 Resp: 12580
Ion Ratio Lower Upper
75 100
110 6.9 18.4 55.4#
77 0.0 24.6 37.0#



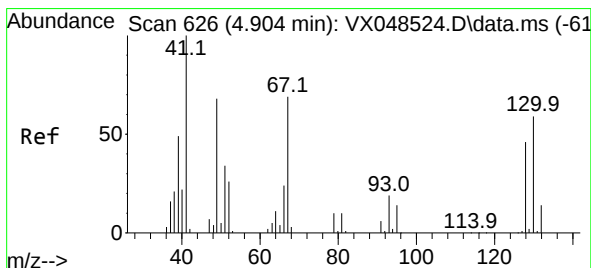
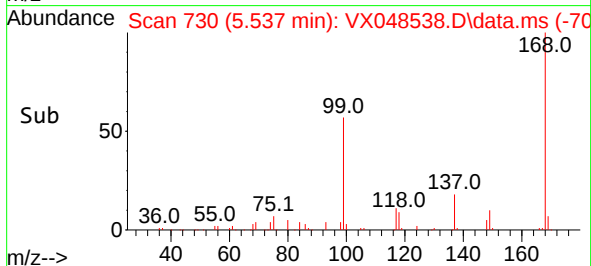
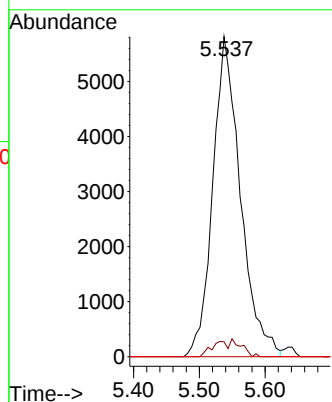


#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :

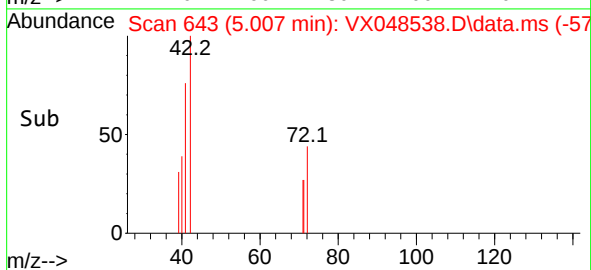
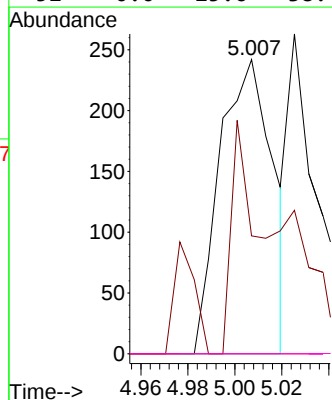
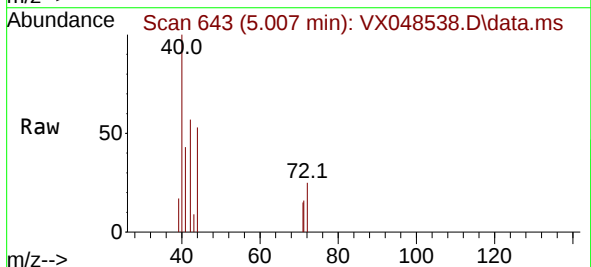


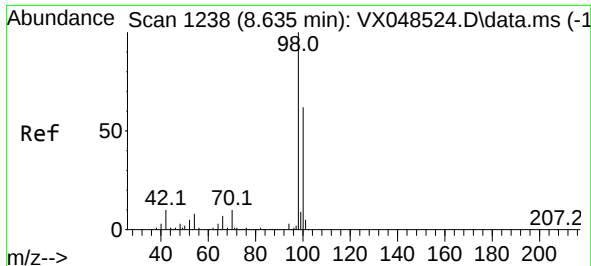
Tgt Ion:117 Resp: 16997
Ion Ratio Lower Upper
117 100
119 4.7 74.5 111.7#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.239 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.103 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 41 Resp: 380
Ion Ratio Lower Upper
41 100
39 36.8 41.1 61.7#
67 0.0 64.2 96.2#
52 0.0 25.6 38.4#

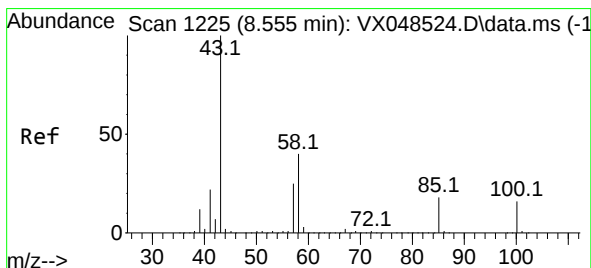
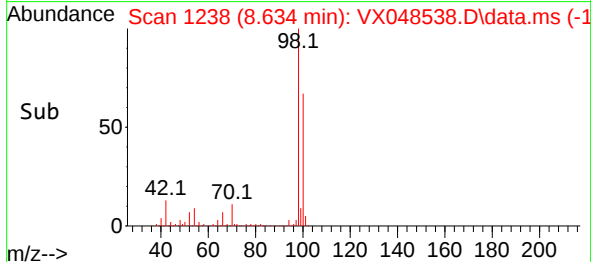
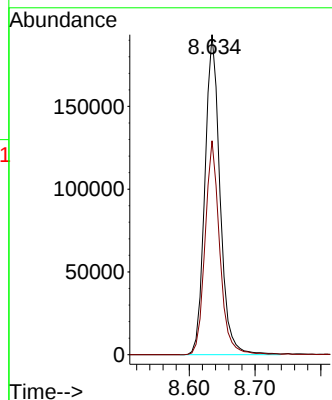
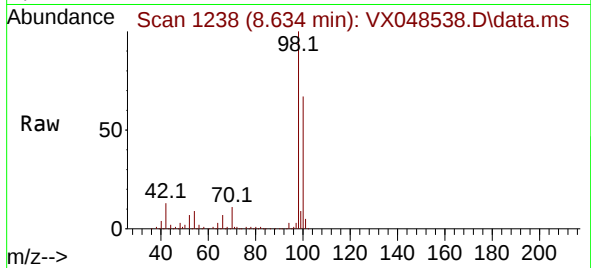




#50
Toluene-d8
Concen: 51.651 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

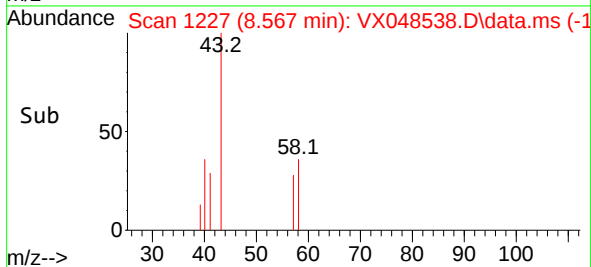
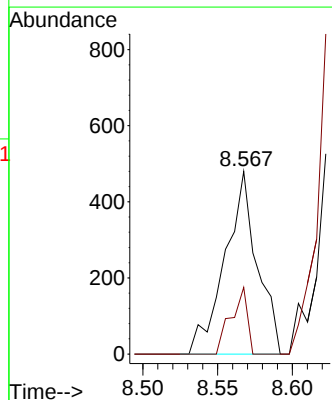
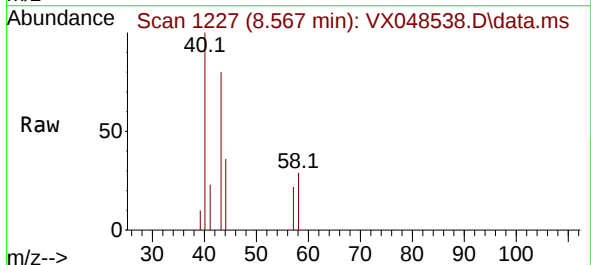
Instrument :
MSVOA_X
ClientSampleId :

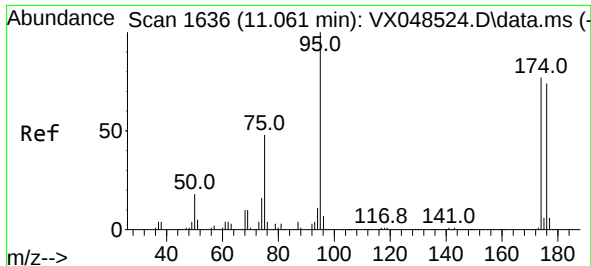
Tgt Ion: 98 Resp: 309532
Ion Ratio Lower Upper
98 100
100 65.1 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.248 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
58 18.5 32.3 48.5#





#62

4-Bromofluorobenzene

Concen: 57.892 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

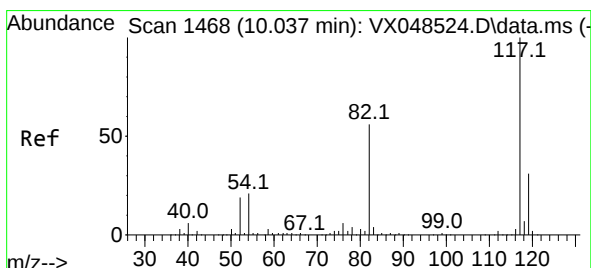
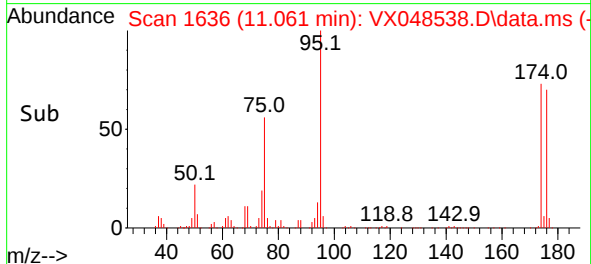
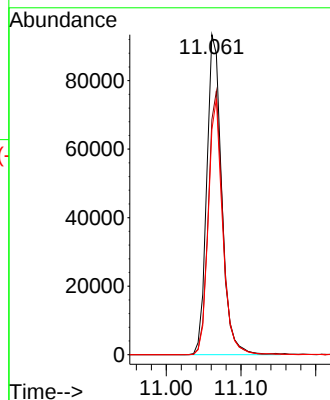
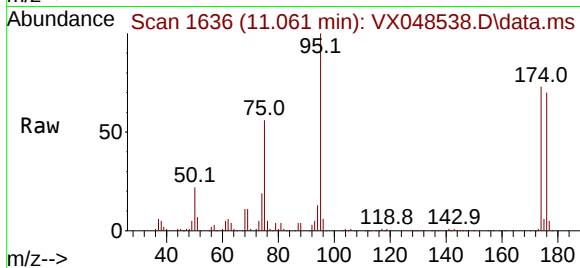
Tgt Ion: 95 Resp: 129291

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.8

176 77.0 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: VX048538.D

Acq: 10 Nov 2025 14:45

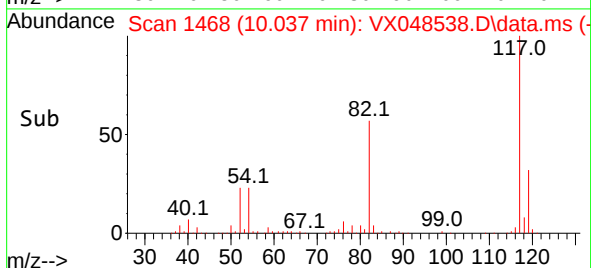
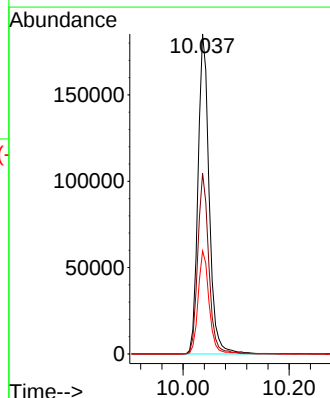
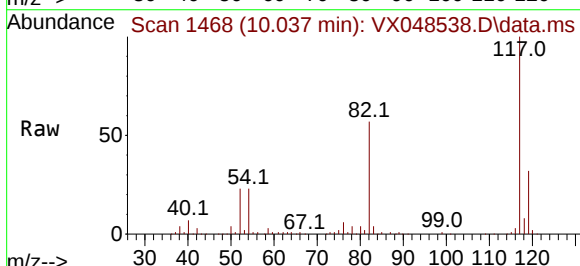
Tgt Ion: 117 Resp: 270369

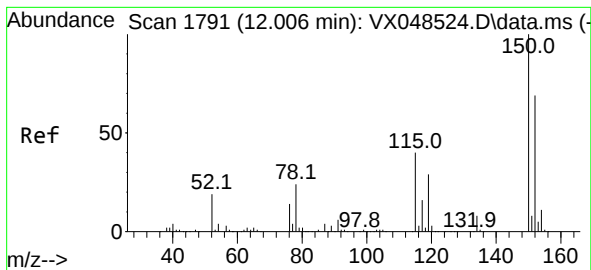
Ion Ratio Lower Upper

117 100

82 56.5 44.4 66.6

119 32.2 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

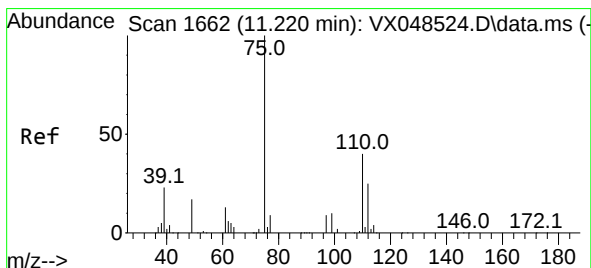
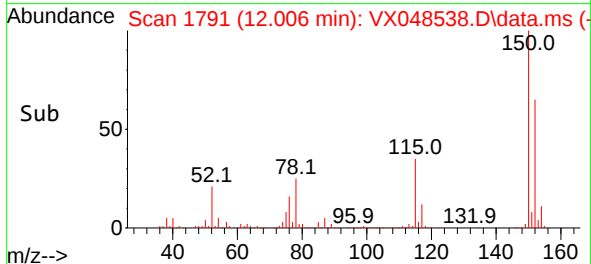
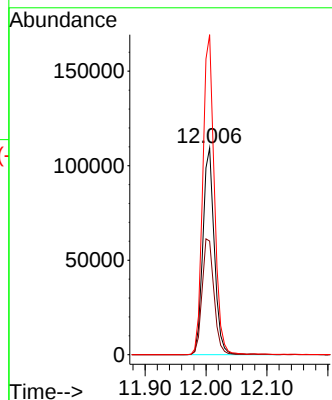
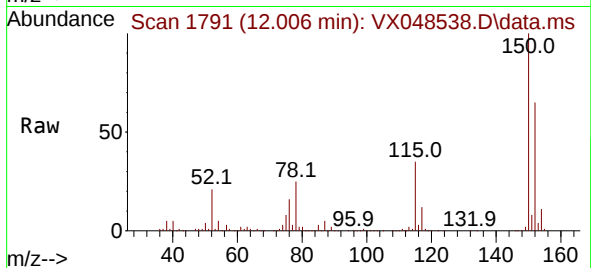
Tgt Ion:152 Resp: 142954

Ion Ratio Lower Upper

152 100

115 58.2 39.2 117.6

150 155.6 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 20.428 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048538.D

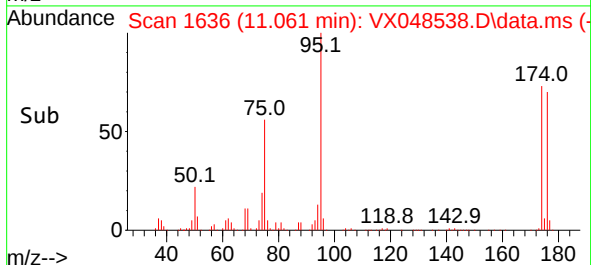
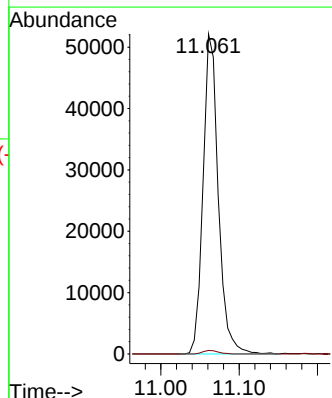
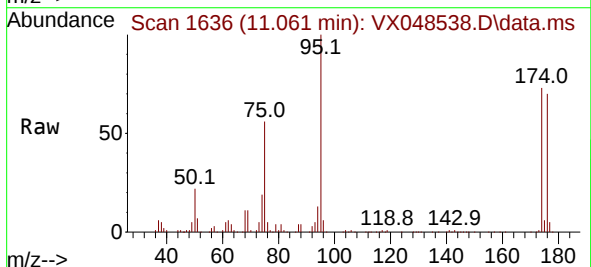
Acq: 10 Nov 2025 14:45

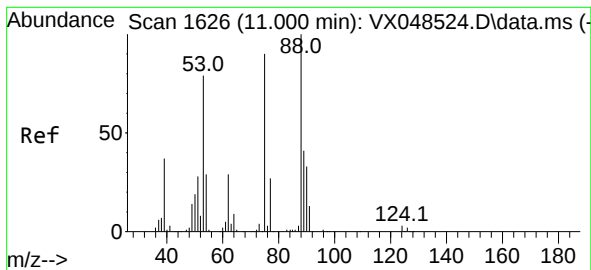
Tgt Ion: 75 Resp: 70354

Ion Ratio Lower Upper

75 100

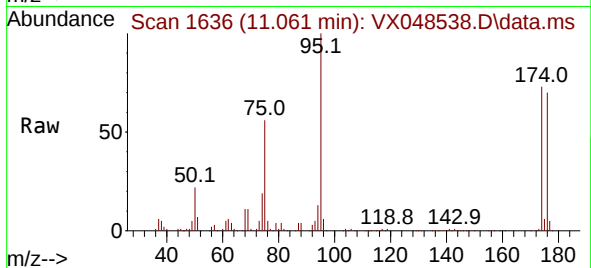
77 1.1 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.431 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048538.D
 Acq: 10 Nov 2025 14:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 70354
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 43.6 65.4#

