

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048540.D
 Acq On : 10 Nov 2025 15:27
 Operator : JC/MD
 Sample : Q3584-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:47:48 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	172124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	320476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	185006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	127889	53.322	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.640%
35) Dibromofluoromethane	5.373	113	115768	47.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	8.635	98	384460	50.821	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.640%
62) 4-Bromofluorobenzene	11.061	95	167170	59.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.600%

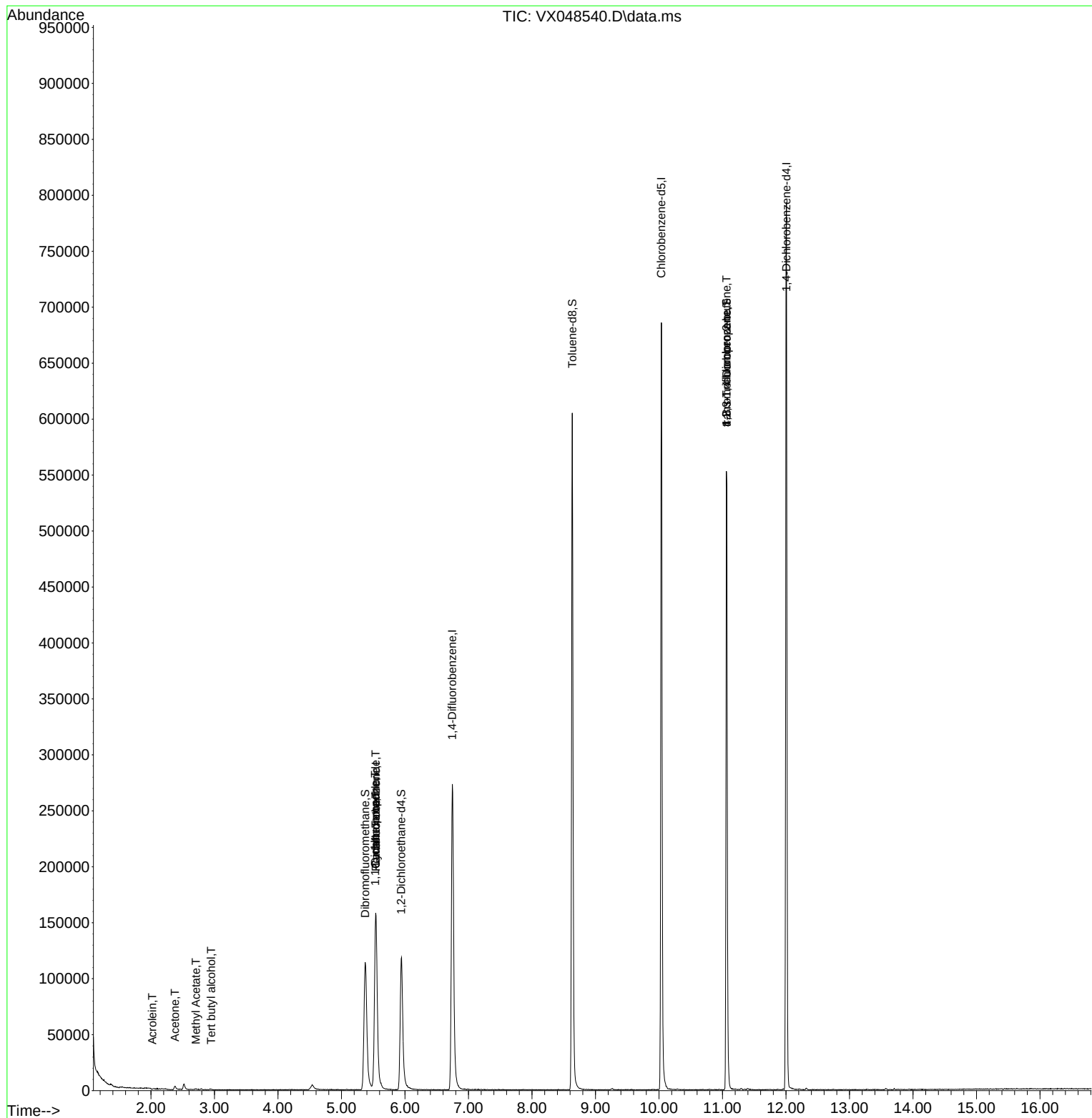
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	282	0.621	ug/l #	71
13) Acrolein	2.020	56	20	0.304	ug/l #	15
16) Acetone	2.380	43	4551	4.009	ug/l	91
18) Methyl Acetate	2.709	43	1147	0.368	ug/l #	84
31) Cyclohexane	5.538	56	3051	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.532	75	13031	4.012	ug/l #	49
38) Carbon Tetrachloride	5.538	117	16629	4.498	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	81086	18.193	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	81086	52.037	ug/l #	12

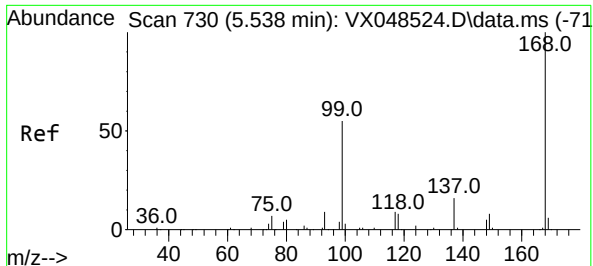
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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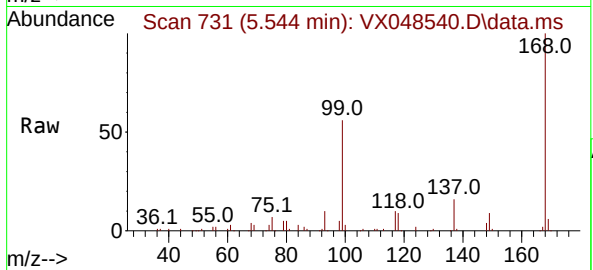
Quant Time: Nov 11 00:47:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
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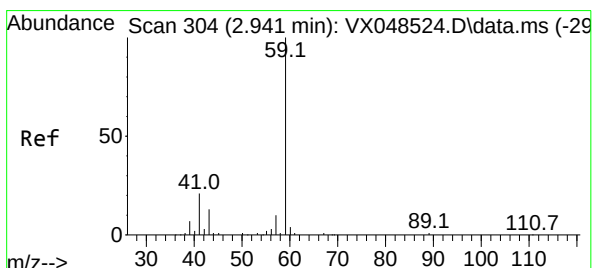
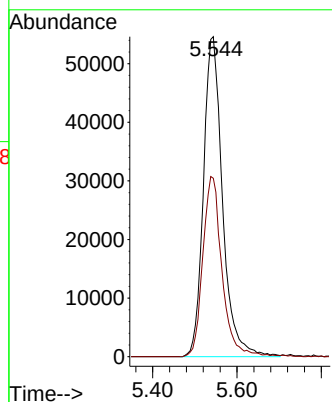
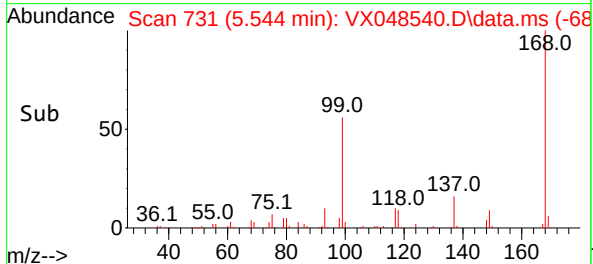


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Instrument :
MSVOA_X
ClientSampleId :

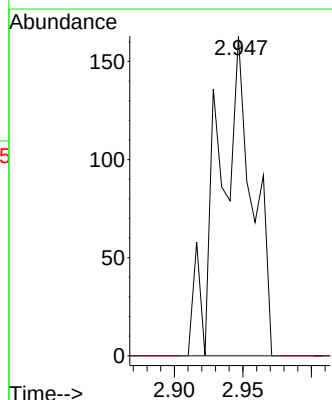
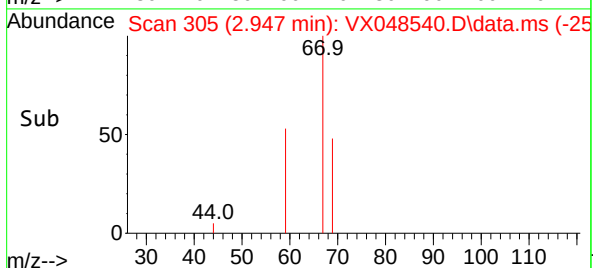
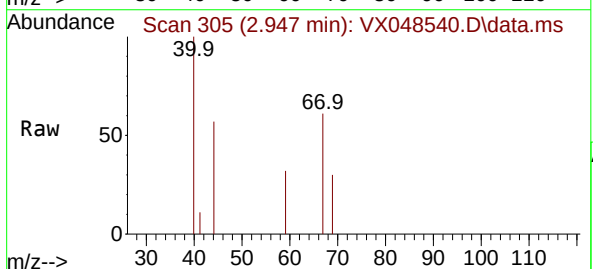


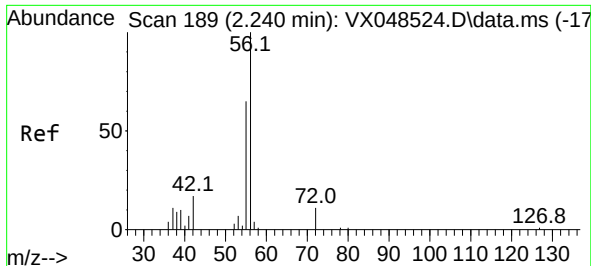
Tgt Ion:168 Resp: 172124
Ion Ratio Lower Upper
168 100
99 55.8 45.2 67.8



#11
Tert butyl alcohol
Concen: 0.621 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

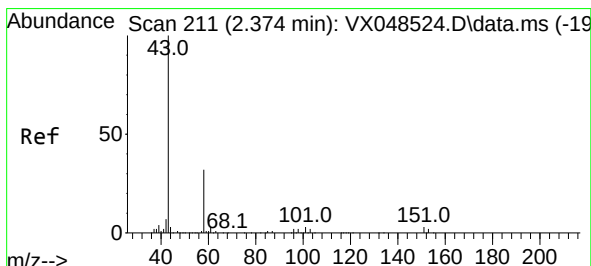
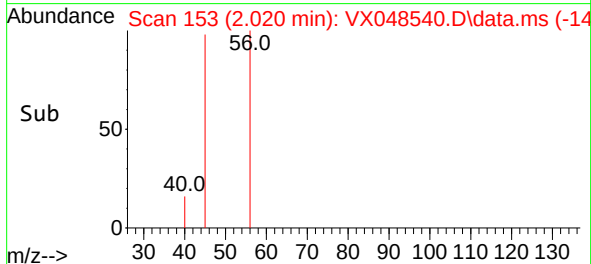
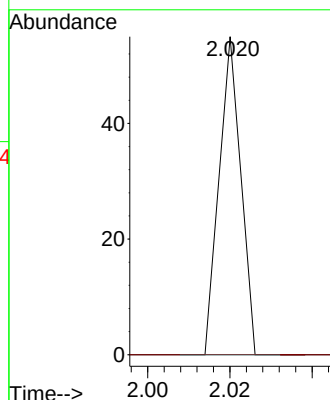
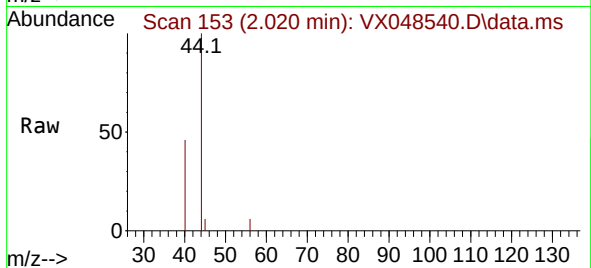




#13
Acrolein
Concen: 0.304 ug/l
RT: 2.020 min Scan# 11
Delta R.T. -0.219 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

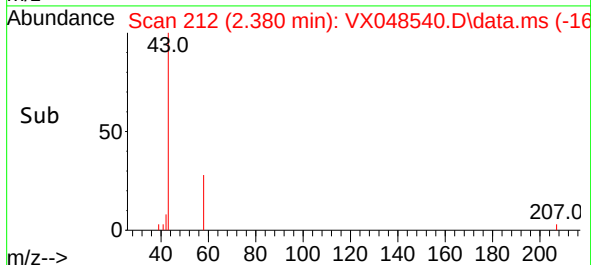
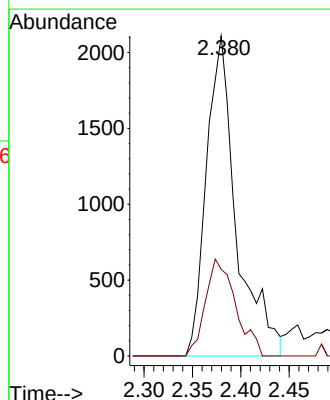
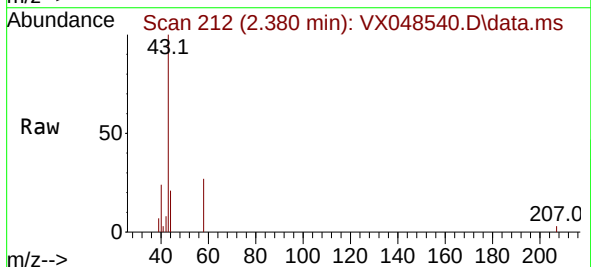
Instrument :
MSVOA_X
ClientSampleId :

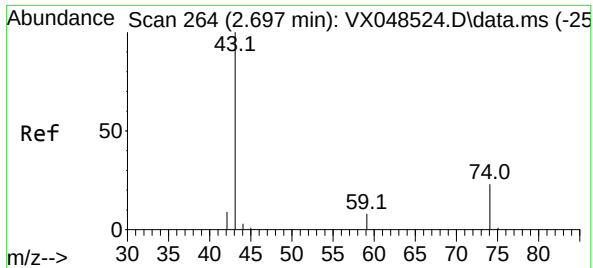
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 4.009 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
58 27.1 25.8 38.6

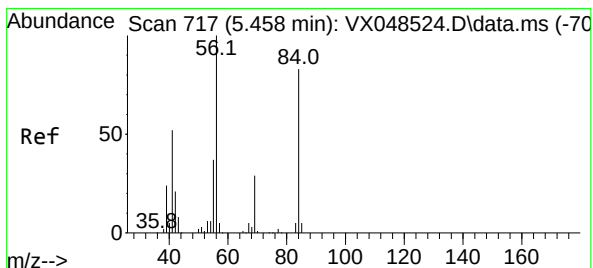
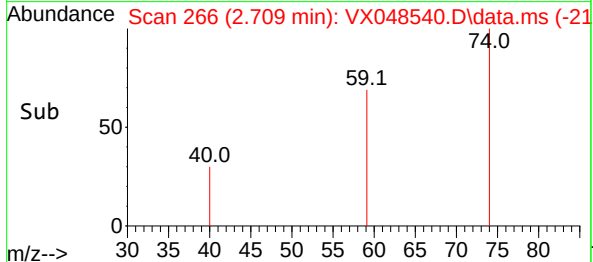
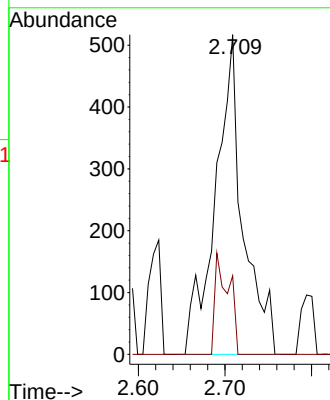
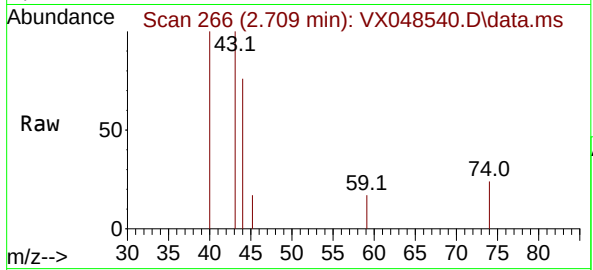




#18
Methyl Acetate
Concen: 0.368 ug/l
RT: 2.709 min Scan# 2147
Delta R.T. 0.012 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

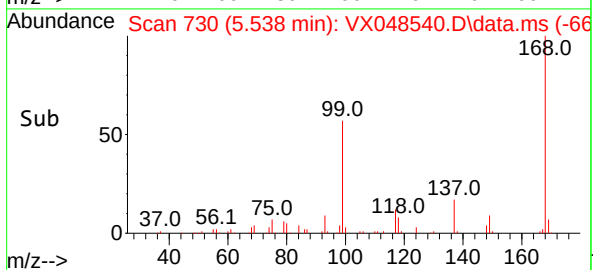
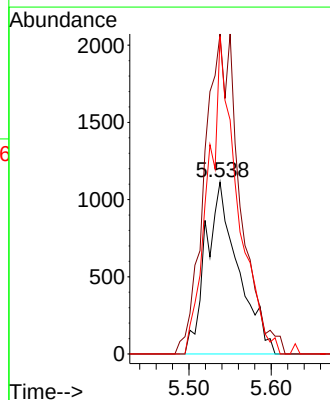
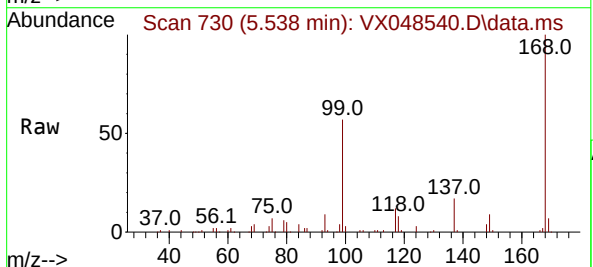
Instrument :
MSVOA_X
ClientSampleId :

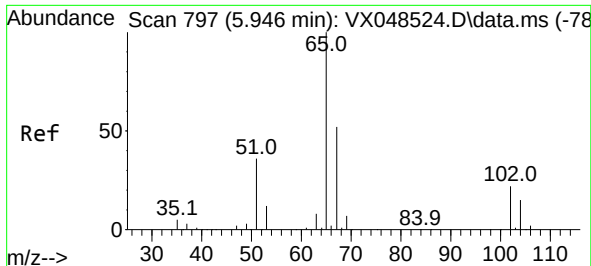
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 15.9 19.1 28.7#



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 56 Resp: 3051
Ion Ratio Lower Upper
56 100
69 179.0 23.4 35.2#
84 184.7 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 53.322 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

Instrument :

MSVOA_X

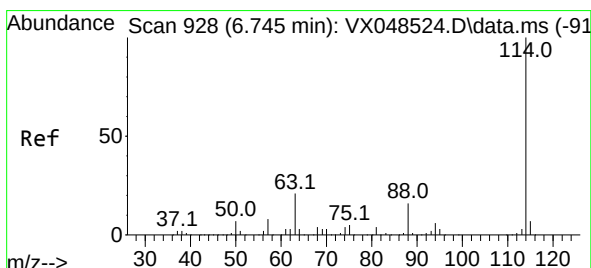
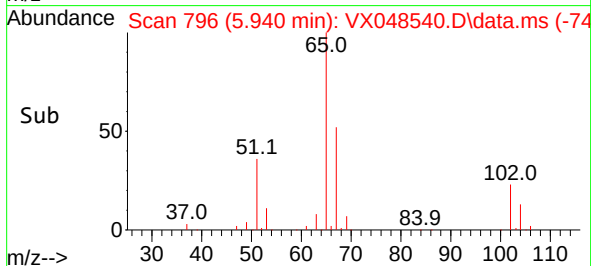
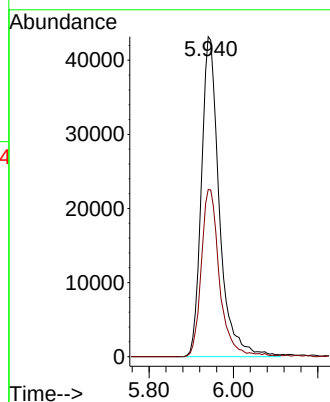
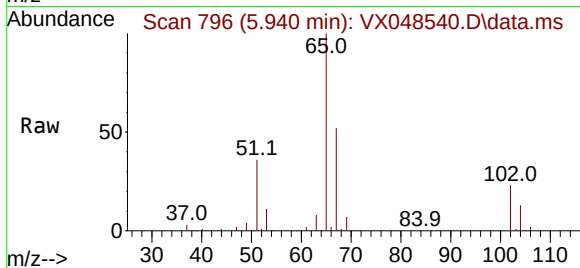
ClientSampleId :

Tgt Ion: 65 Resp: 127889

Ion Ratio Lower Upper

65 100

67 53.2 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: VX048540.D

Acq: 10 Nov 2025 15:27

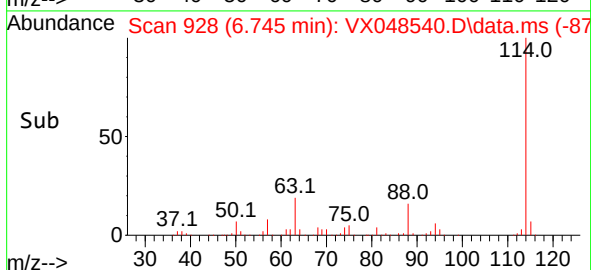
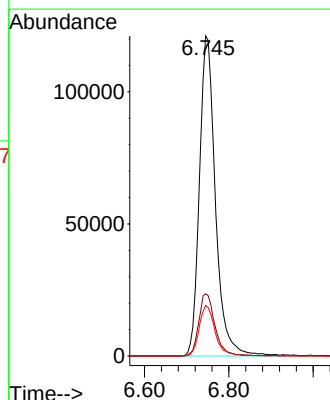
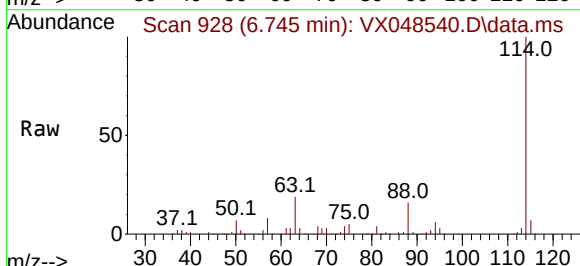
Tgt Ion: 114 Resp: 320476

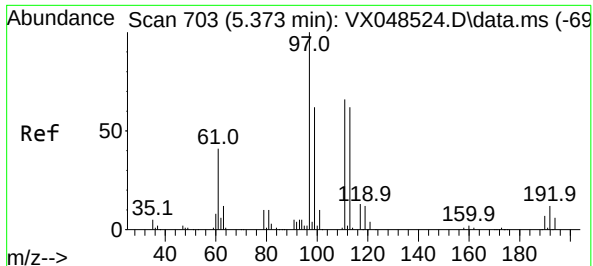
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

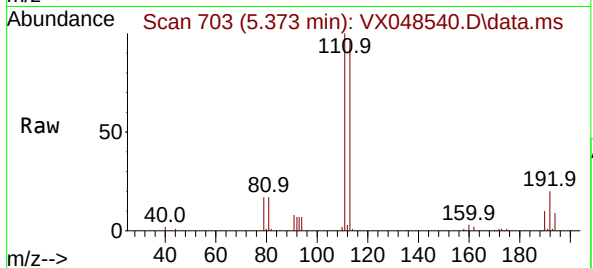
88 15.8 0.0 32.2



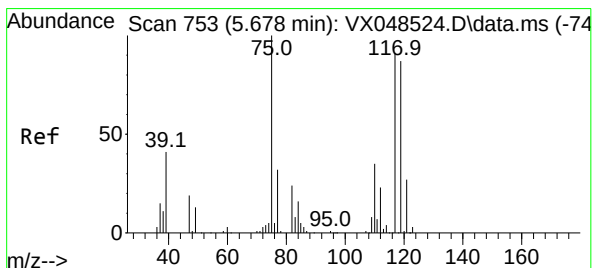
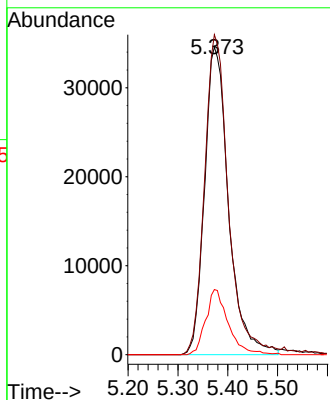
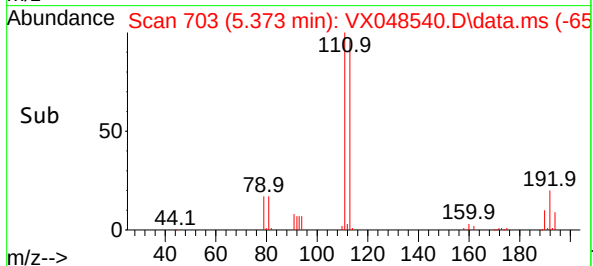


#35
Dibromofluoromethane
Concen: 47.728 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

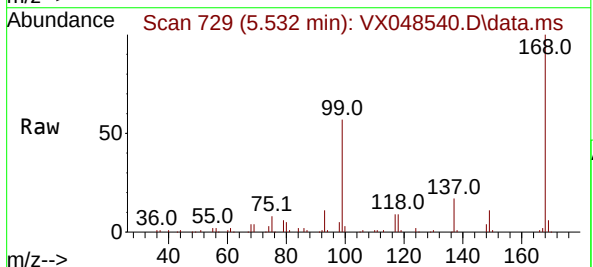
Instrument :
MSVOA_X
ClientSampleId :



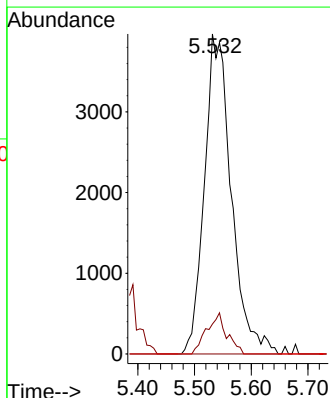
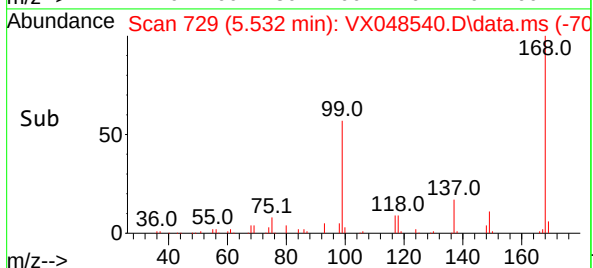
Tgt Ion:113 Resp: 115768
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 19.9 15.8 23.6

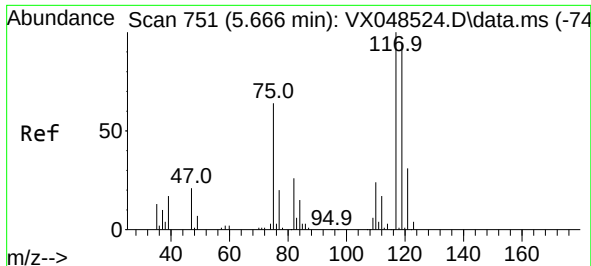


#36
1,1-Dichloropropene
Concen: 4.012 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.146 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27



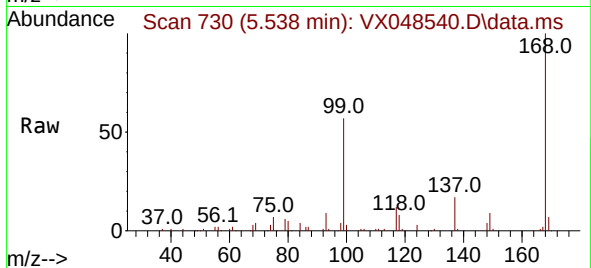
Tgt Ion: 75 Resp: 13031
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.4#
77 0.0 24.6 37.0#



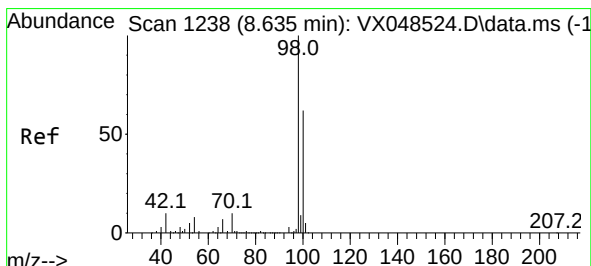
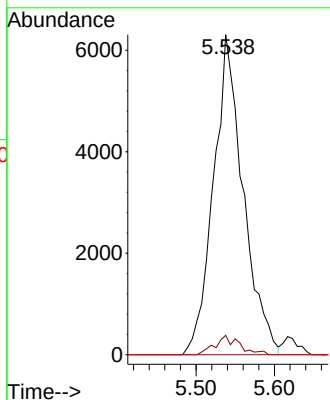
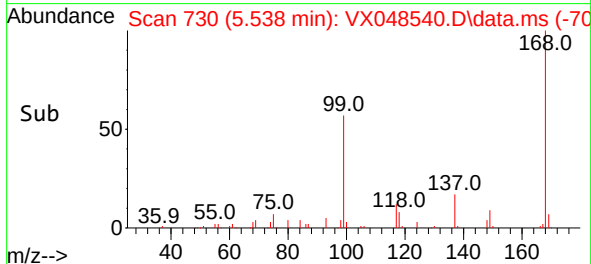


#38
Carbon Tetrachloride
Concen: 4.498 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Instrument :
MSVOA_X
ClientSampleId :

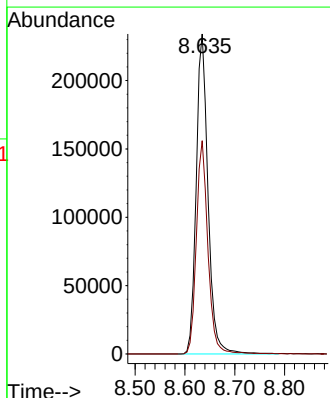
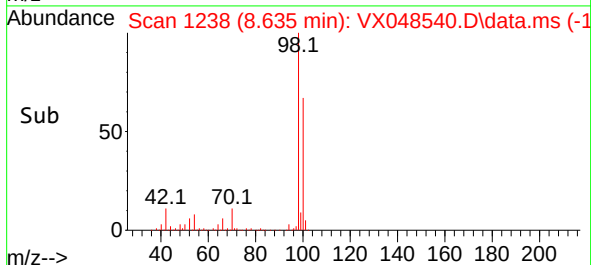
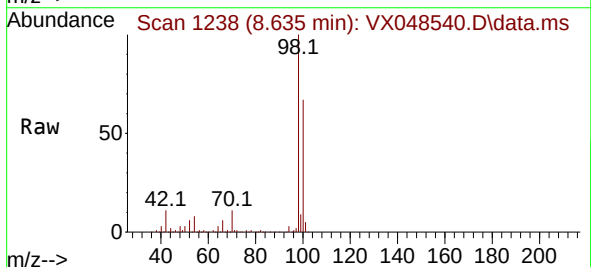


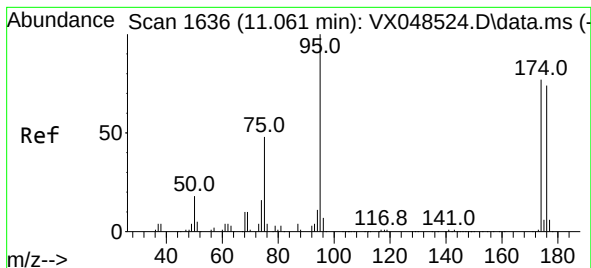
Tgt Ion:117 Resp: 16629
Ion Ratio Lower Upper
117 100
119 6.1 74.5 111.7#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.821 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 98 Resp: 384460
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 59.297 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

Instrument :

MSVOA_X

ClientSampleId :

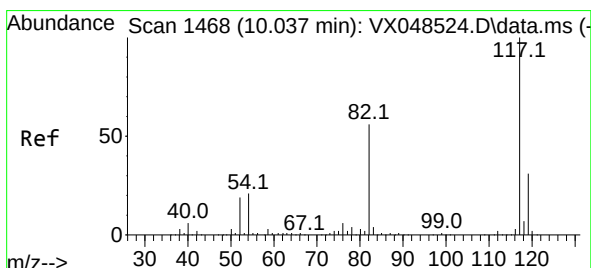
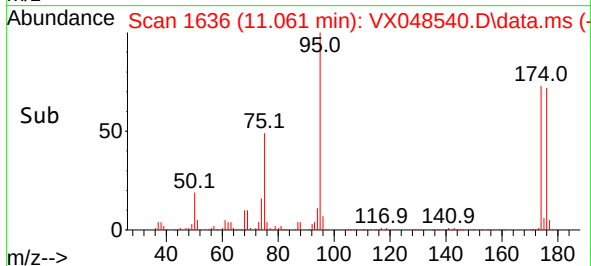
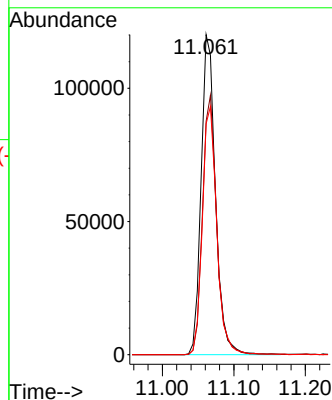
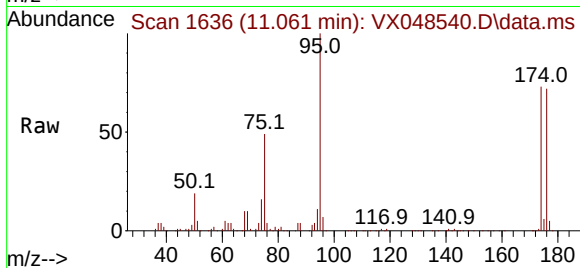
Tgt Ion: 95 Resp: 167170

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.8

176 78.4 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: VX048540.D

Acq: 10 Nov 2025 15:27

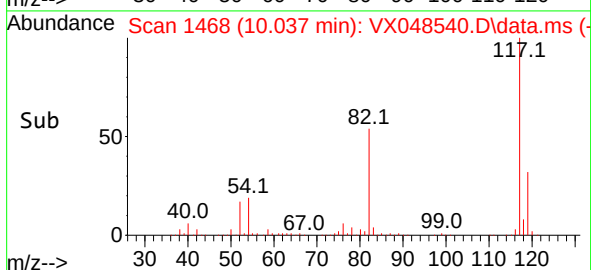
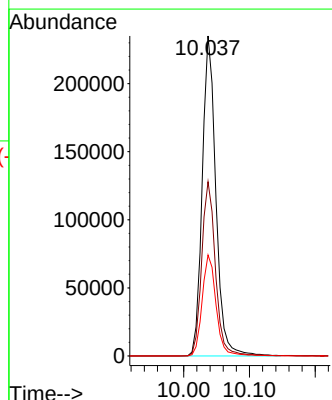
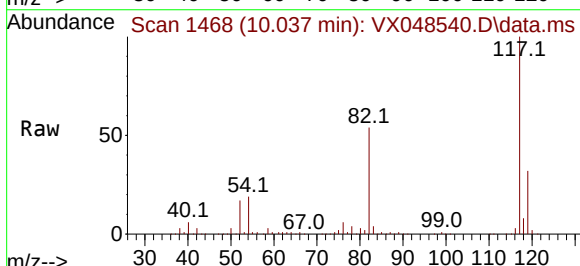
Tgt Ion: 117 Resp: 339849

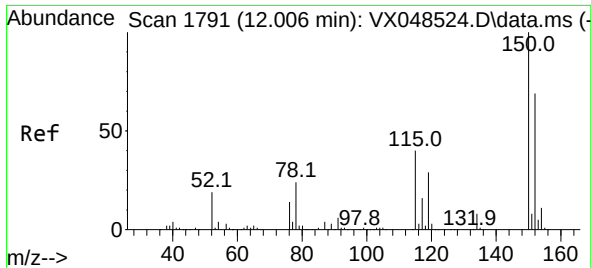
Ion Ratio Lower Upper

117 100

82 54.4 44.4 66.6

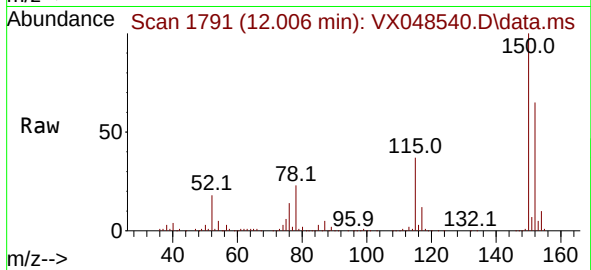
119 31.6 25.1 37.7



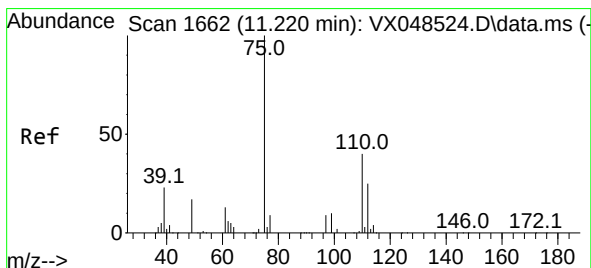
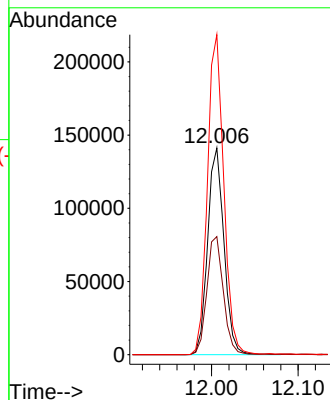
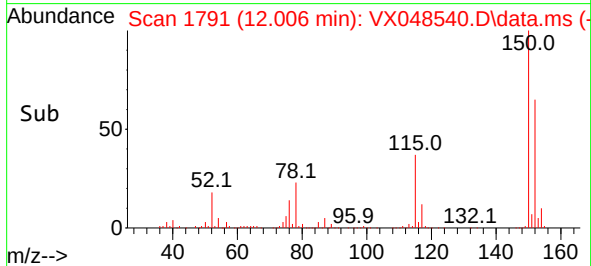


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048540.D
 Acq: 10 Nov 2025 15:27

Instrument :
 MSVOA_X
 ClientSampleId :

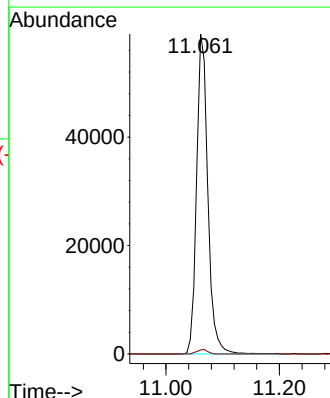
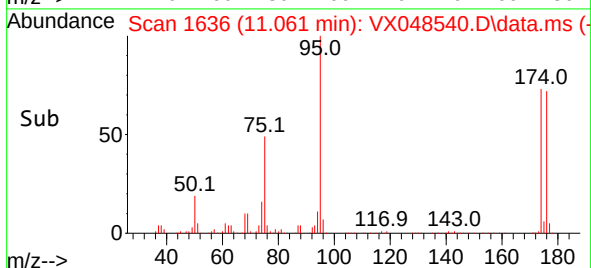
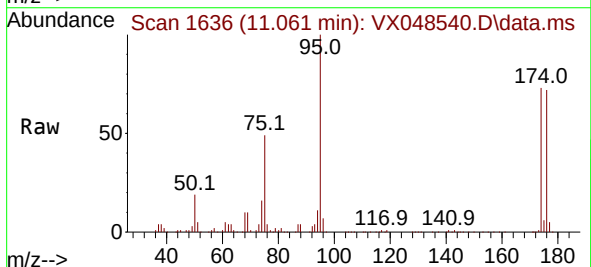


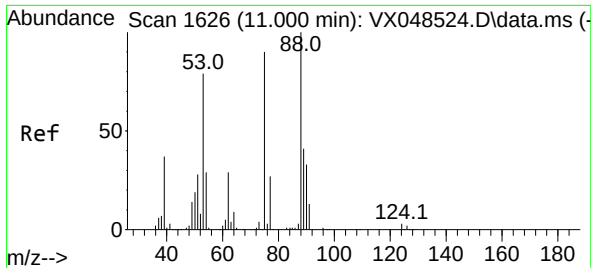
Tgt Ion:152 Resp: 185006
 Ion Ratio Lower Upper
 152 100
 115 57.8 39.2 117.6
 150 154.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 18.193 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048540.D
 Acq: 10 Nov 2025 15:27

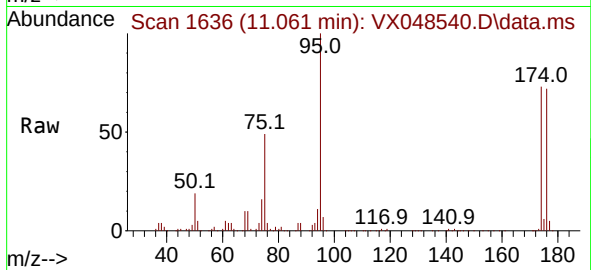
Tgt Ion: 75 Resp: 81086
 Ion Ratio Lower Upper
 75 100
 77 1.3 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.037 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048540.D
 Acq: 10 Nov 2025 15:27

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 81086
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.1 43.6 65.4#

