

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048541.D
 Acq On : 10 Nov 2025 15:48
 Operator : JC/MD
 Sample : Q3584-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:48:06 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	180936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	361159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	362263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	195935	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	139961	55.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.020%
35) Dibromofluoromethane	5.373	113	123372	45.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.260%
50) Toluene-d8	8.635	98	411539	48.273	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.540%
62) 4-Bromofluorobenzene	11.061	95	178249	56.105	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.200%

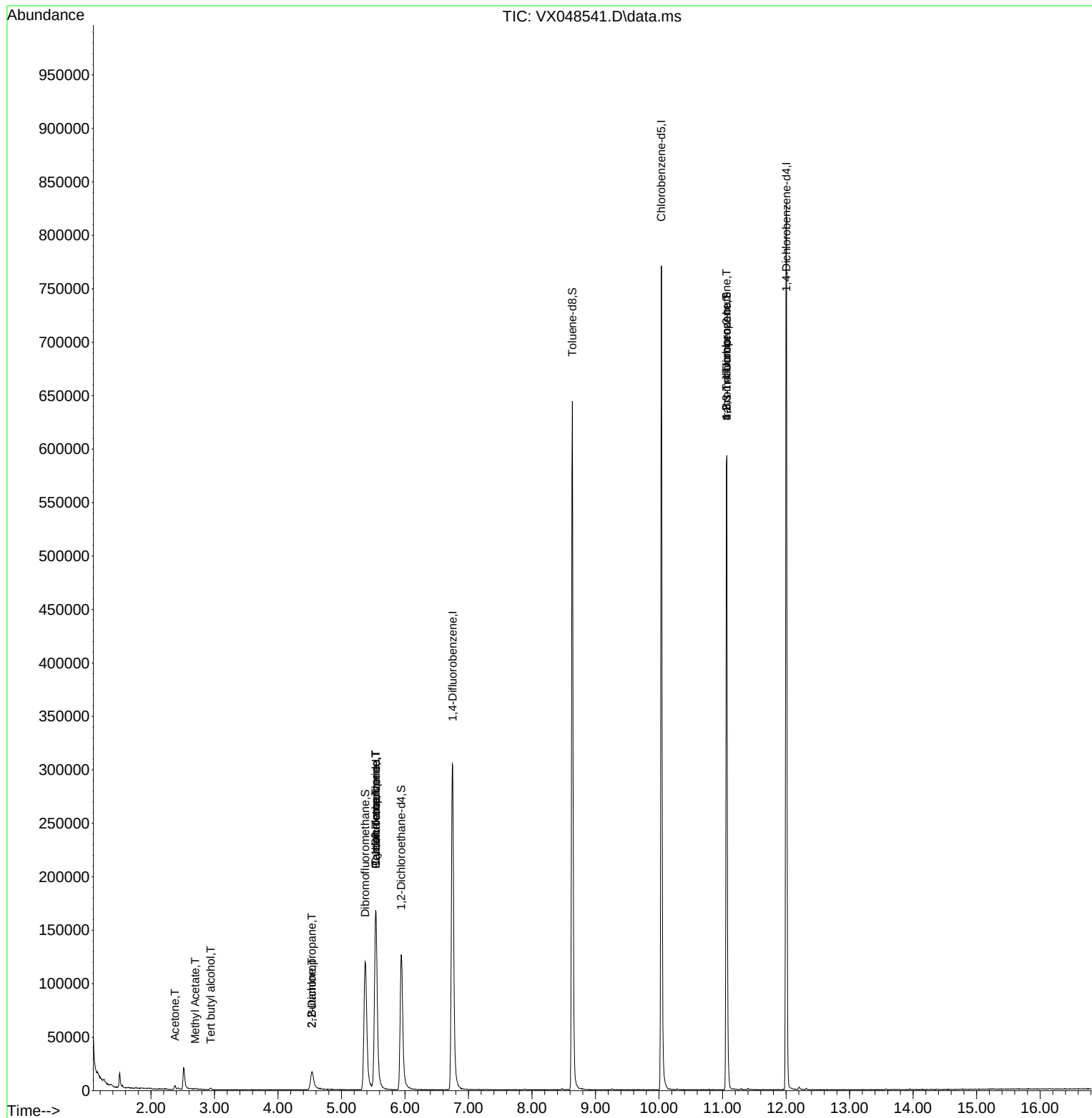
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	772	1.616	ug/l #	71
16) Acetone	2.380	43	5388	4.515	ug/l	93
18) Methyl Acetate	2.697	43	968	0.295	ug/l #	78
25) 2-Butanone	4.532	43	853	0.483	ug/l #	48
26) 2,2-Dichloropropane	4.532	77	1615	0.458	ug/l #	52
31) Cyclohexane	5.538	56	3127	0.924	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	14361	3.924	ug/l #	49
38) Carbon Tetrachloride	5.544	117	17913	4.299	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	86933	18.417	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	86933	52.677	ug/l #	12

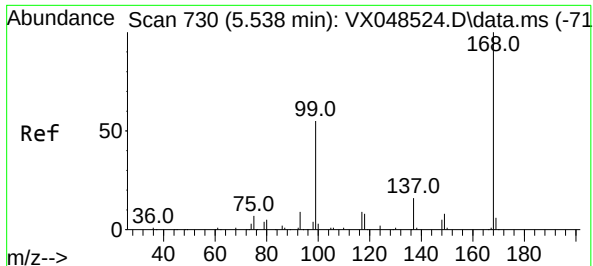
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 11 00:48:06 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

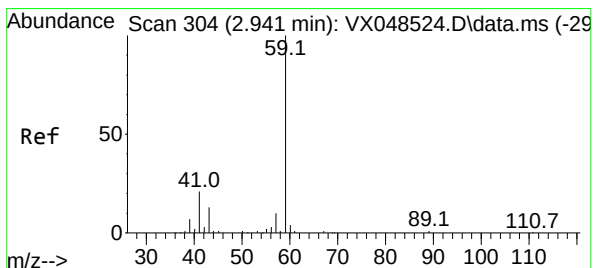
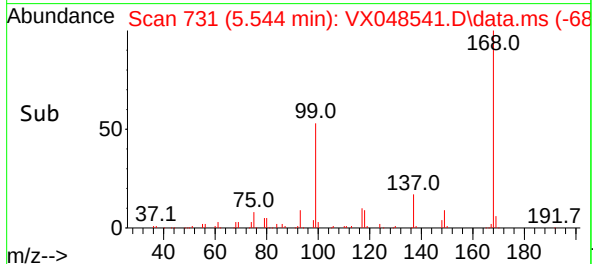
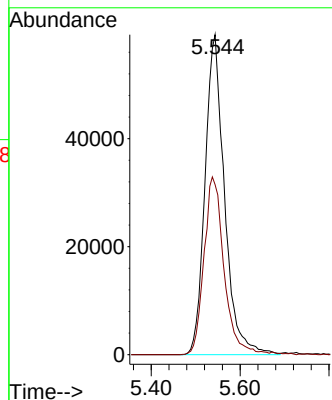
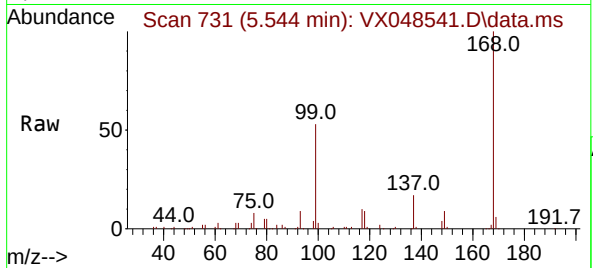




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

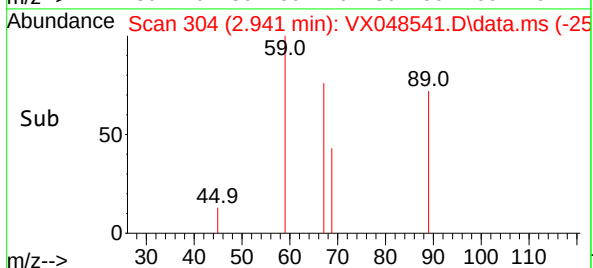
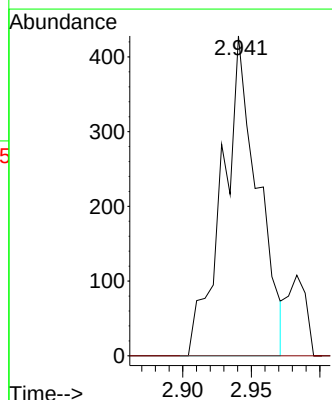
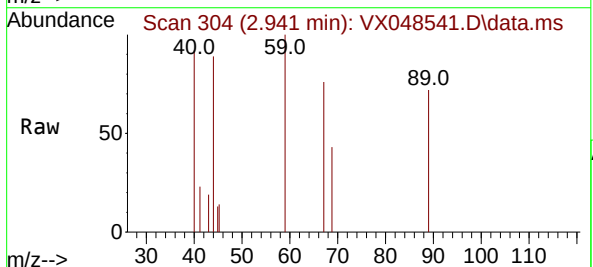
Instrument :
MSVOA_X
ClientSampleId :

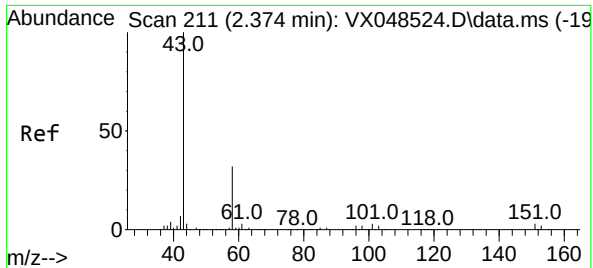
Tgt Ion:168 Resp: 180936
Ion Ratio Lower Upper
168 100
99 53.1 45.2 67.8



#11
Tert butyl alcohol
Concen: 1.616 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

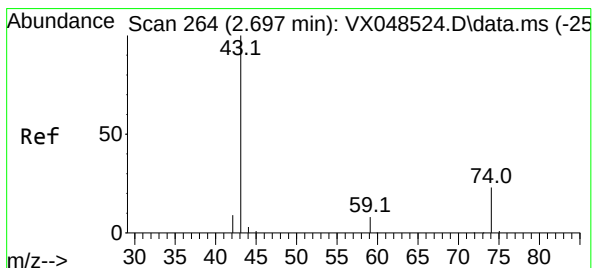
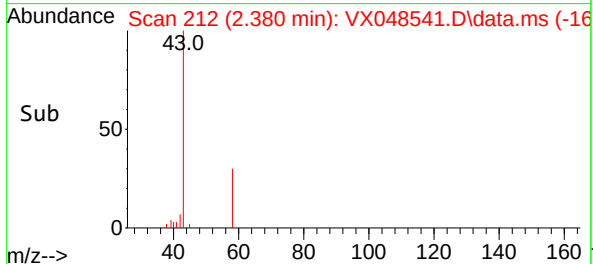
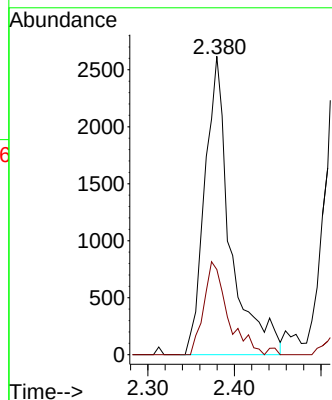
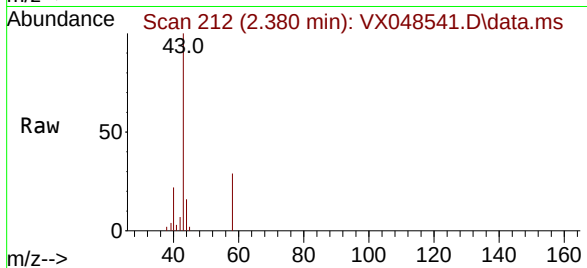




#16
Acetone
Concen: 4.515 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

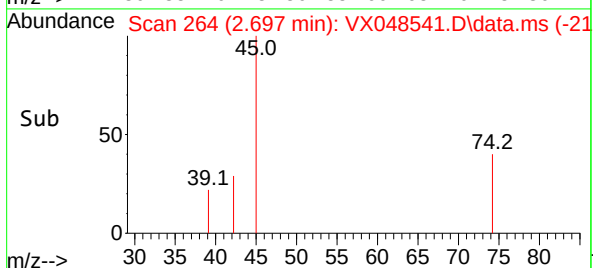
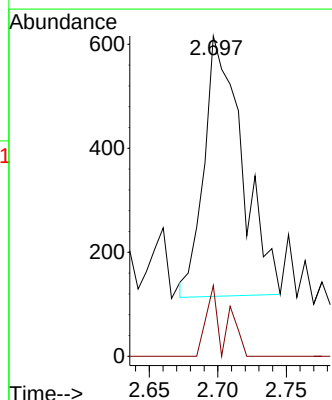
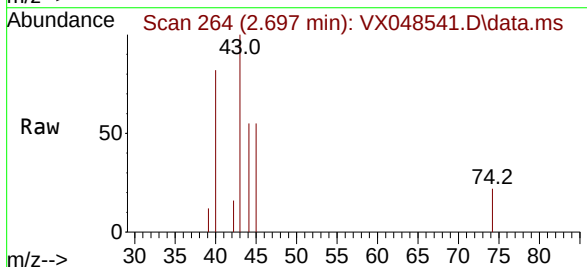
Instrument :
MSVOA_X
ClientSampleId :

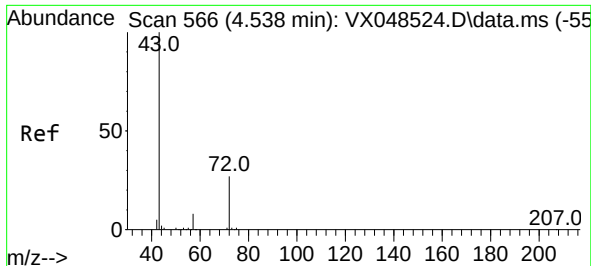
Tgt Ion: 43 Resp: 5388
Ion Ratio Lower Upper
43 100
58 28.5 25.8 38.6



#18
Methyl Acetate
Concen: 0.295 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
74 13.2 19.1 28.7#

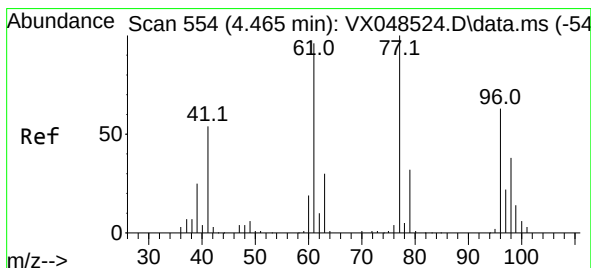
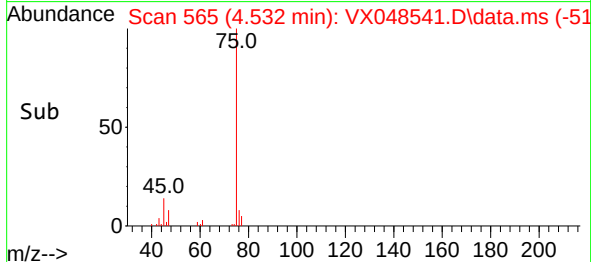
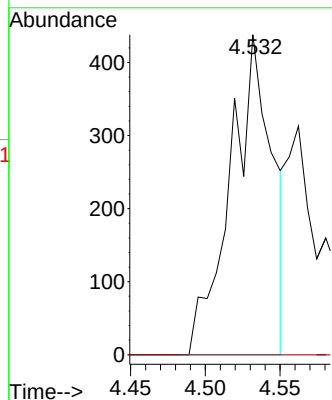
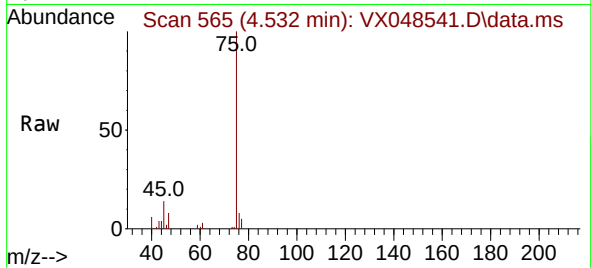




#25
2-Butanone
Concen: 0.483 ug/l
RT: 4.532 min Scan# 565
Delta R.T. -0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

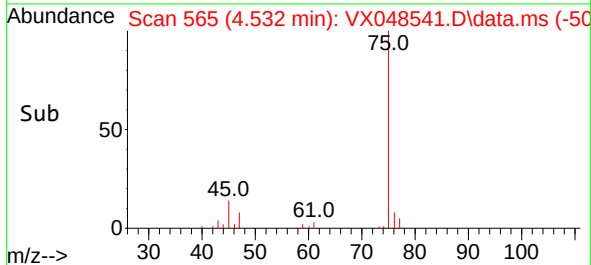
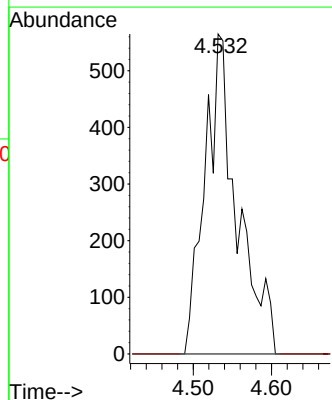
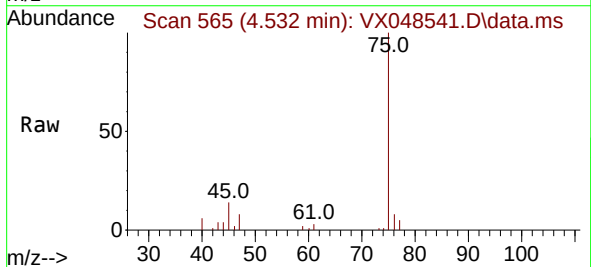
Instrument :
MSVOA_X
ClientSampleId :

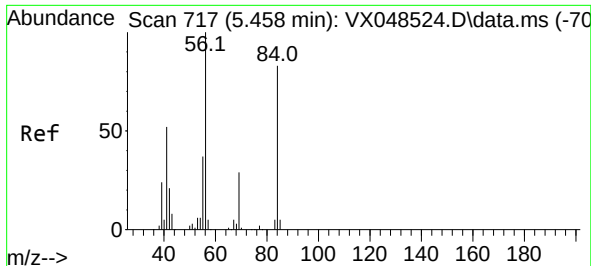
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#26
2,2-Dichloropropane
Concen: 0.458 ug/l
RT: 4.532 min Scan# 565
Delta R.T. 0.067 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

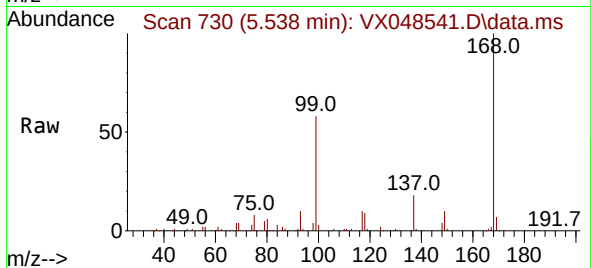
Tgt Ion: 77 Resp: 1615
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



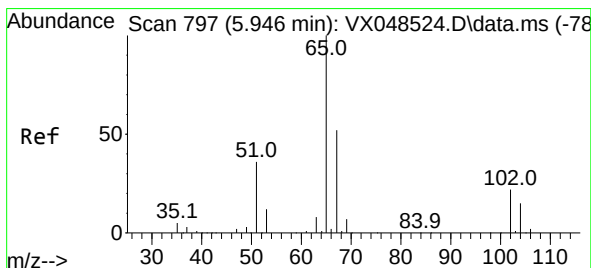
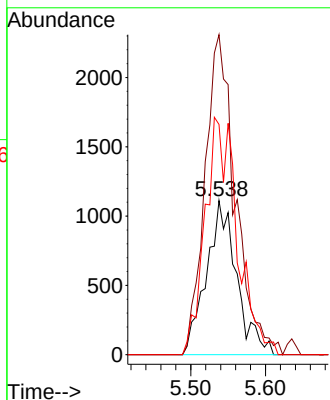
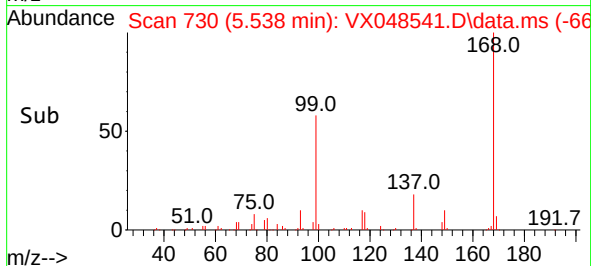


#31
Cyclohexane
Concen: 0.924 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Instrument :
MSVOA_X
ClientSampleId :

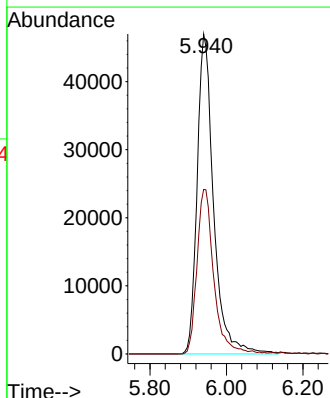
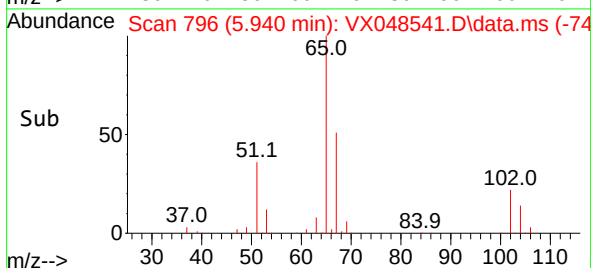
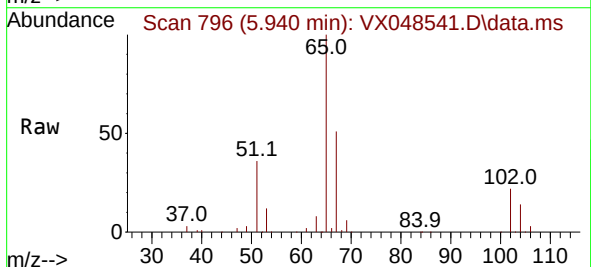


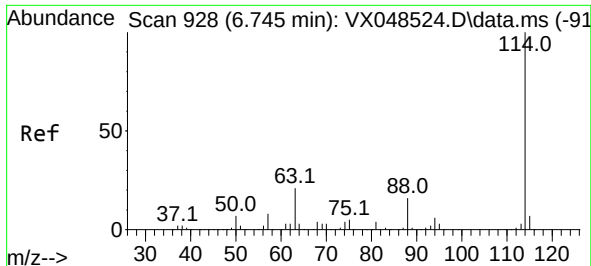
Tgt Ion: 56 Resp: 3127
Ion Ratio Lower Upper
56 100
69 207.6 23.4 35.2#
84 149.4 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 55.514 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 65 Resp: 139961
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.2

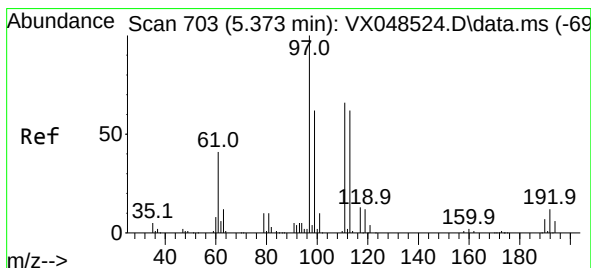
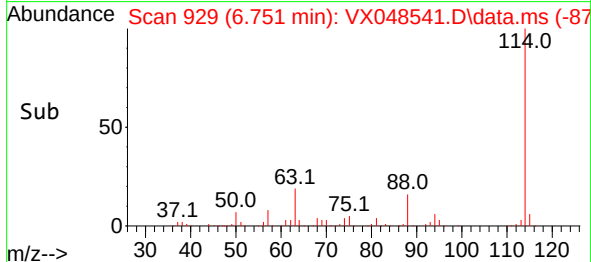
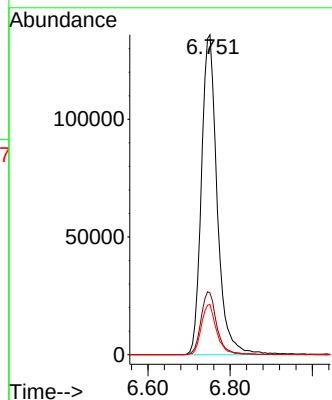
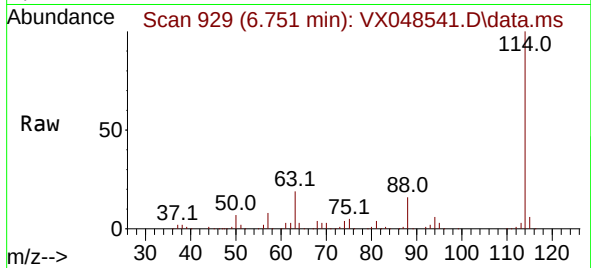




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

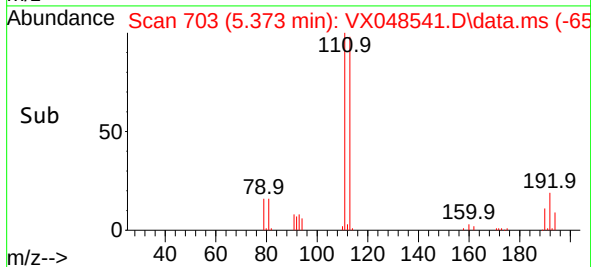
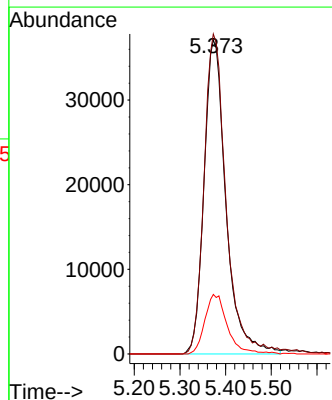
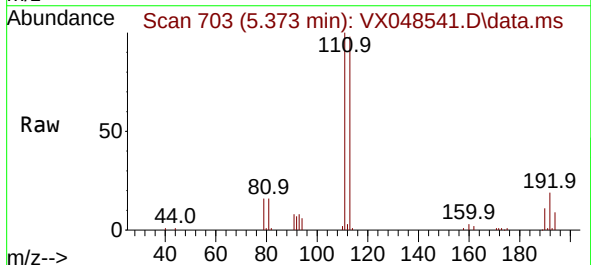
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ClientSampleId :

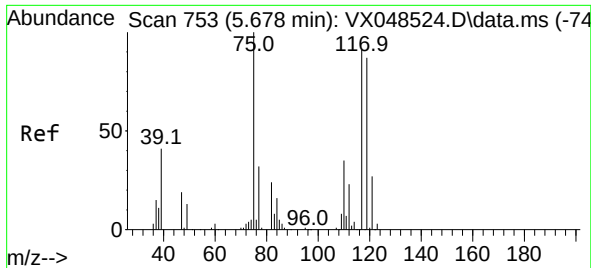
Tgt Ion:114 Resp: 361159
Ion Ratio Lower Upper
114 100
63 19.3 0.0 41.2
88 15.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 45.134 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion:113 Resp: 123372
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.3 15.8 23.6

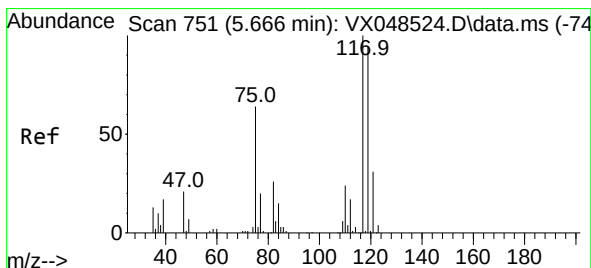
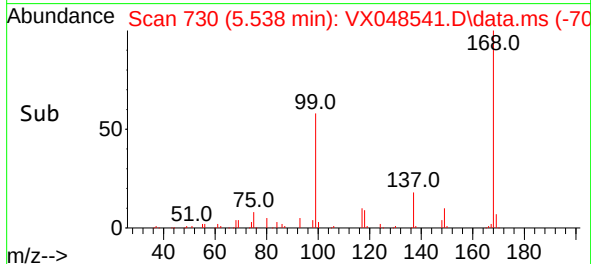
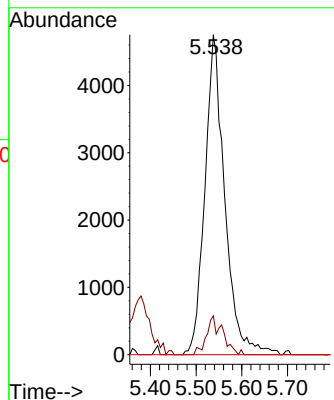
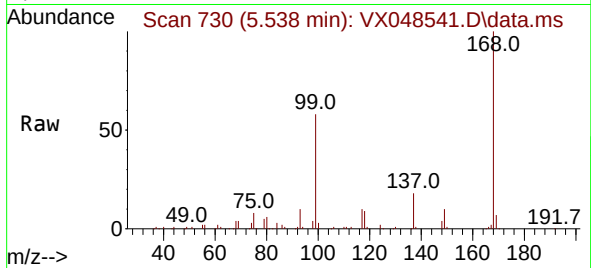




#36
1,1-Dichloropropene
Concen: 3.924 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

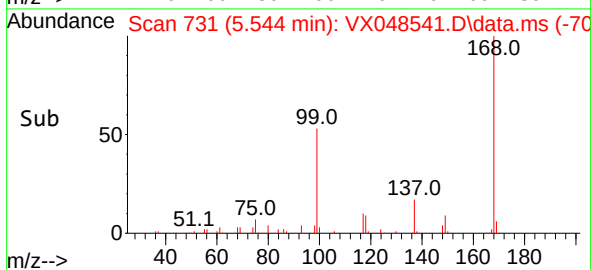
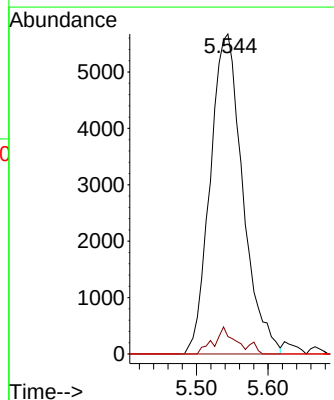
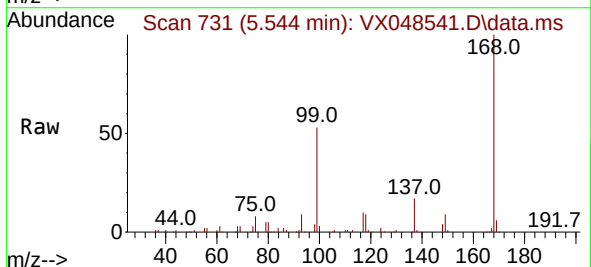
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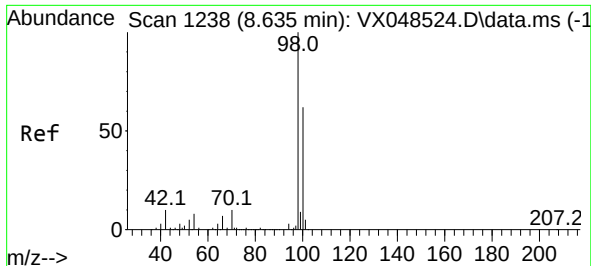
Tgt Ion: 75 Resp: 14361
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.299 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 117 Resp: 17913
Ion Ratio Lower Upper
117 100
119 5.5 74.5 111.7#
121 0.0 24.8 37.2#

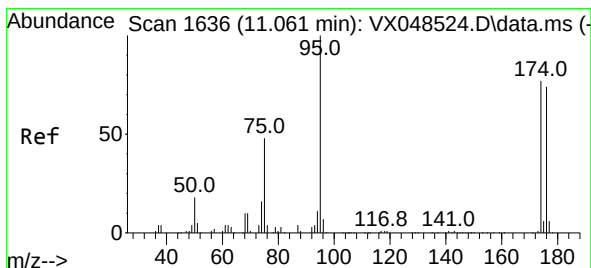
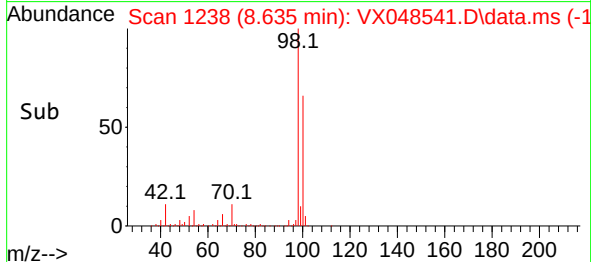
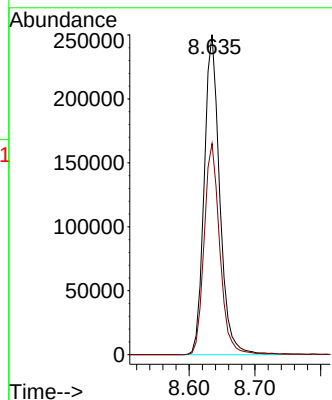
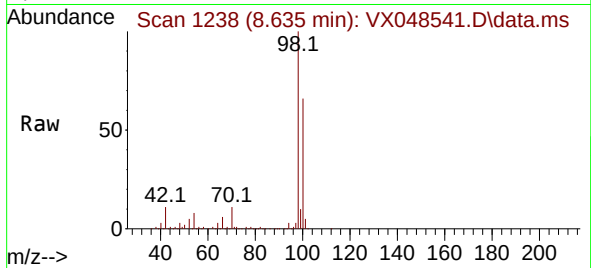




#50
Toluene-d8
Concen: 48.273 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

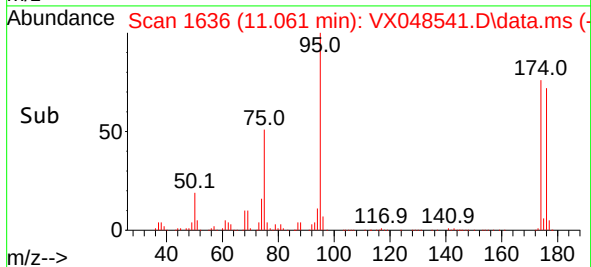
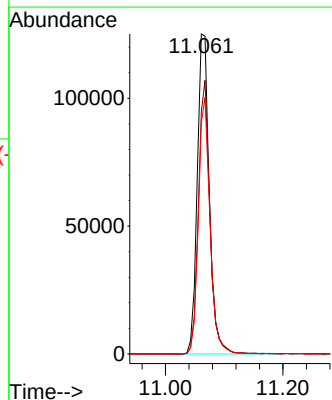
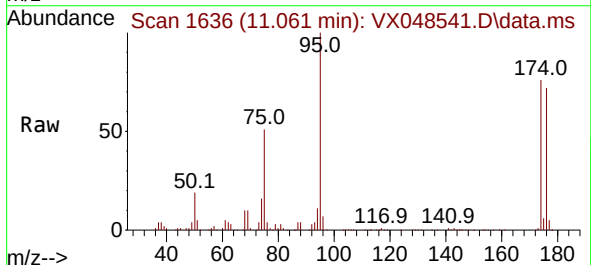
Instrument :
MSVOA_X
ClientSampleId :

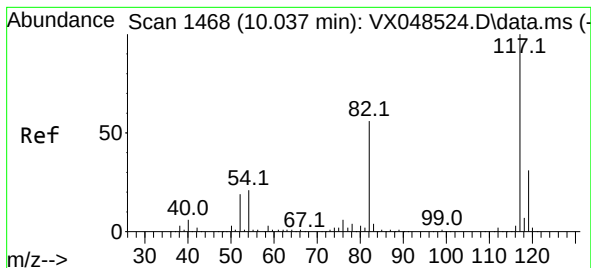
Tgt Ion: 98 Resp: 411539
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 56.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 95 Resp: 178249
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.8
176 77.1 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: VX048541.D

Acq: 10 Nov 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

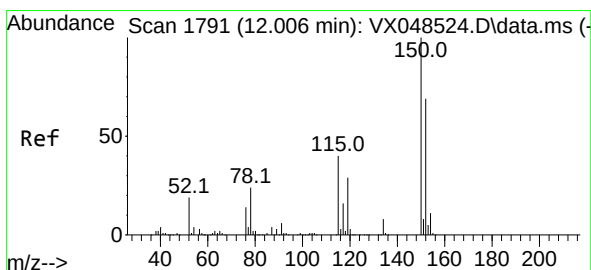
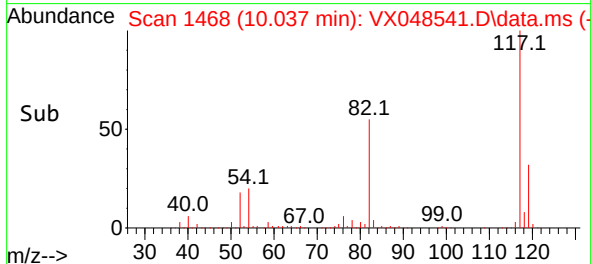
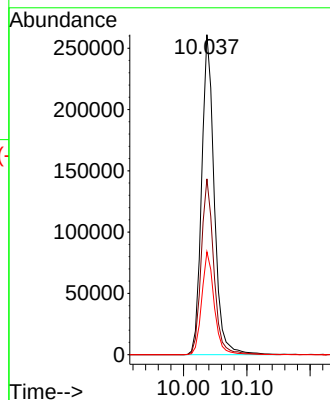
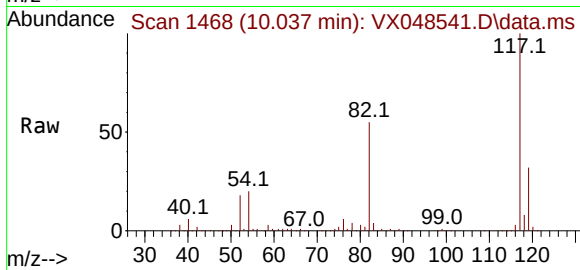
Tgt Ion:117 Resp: 362263

Ion Ratio Lower Upper

117 100

82 55.0 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: VX048541.D

Acq: 10 Nov 2025 15:48

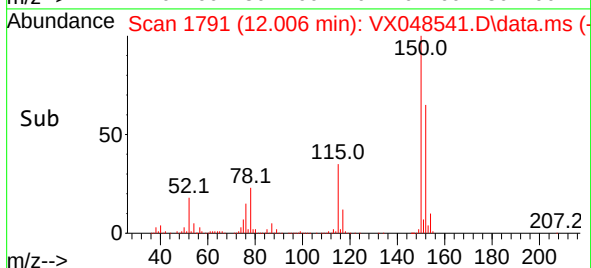
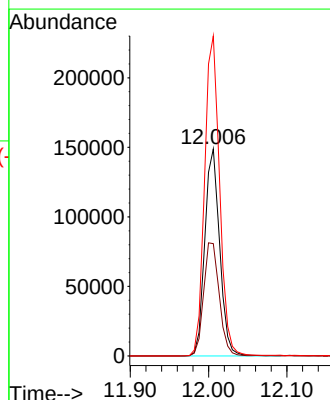
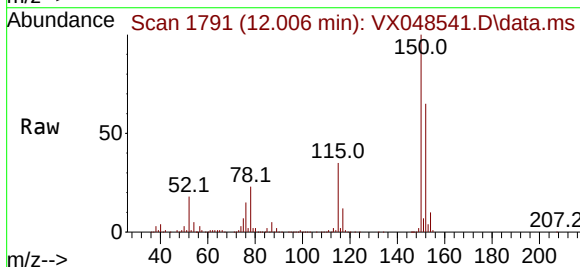
Tgt Ion:152 Resp: 195935

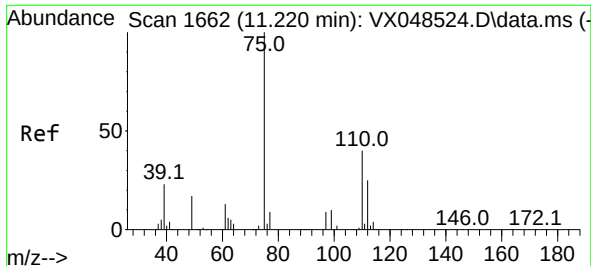
Ion Ratio Lower Upper

152 100

115 57.5 39.2 117.6

150 156.0 0.0 347.0

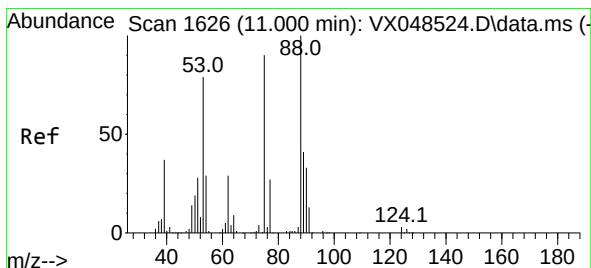
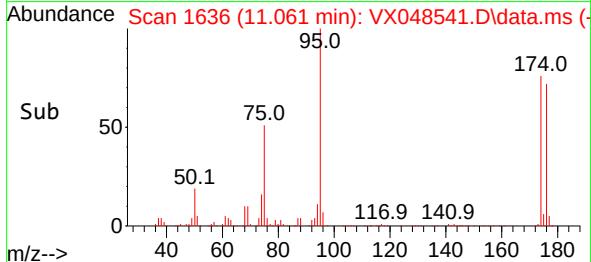
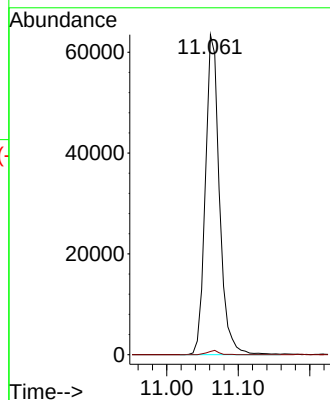
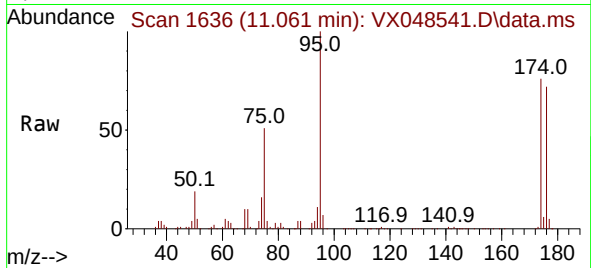




#76
1,2,3-Trichloropropane
Concen: 18.417 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 86933
Ion Ratio Lower Upper
75 100
77 1.1 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.677 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 75 Resp: 86933
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#

