

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048141.D
 Acq On : 13 Oct 2025 14:49
 Operator : JC/MD
 Sample : Q3331-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RINGWOOD

Quant Time: Oct 14 01:55:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

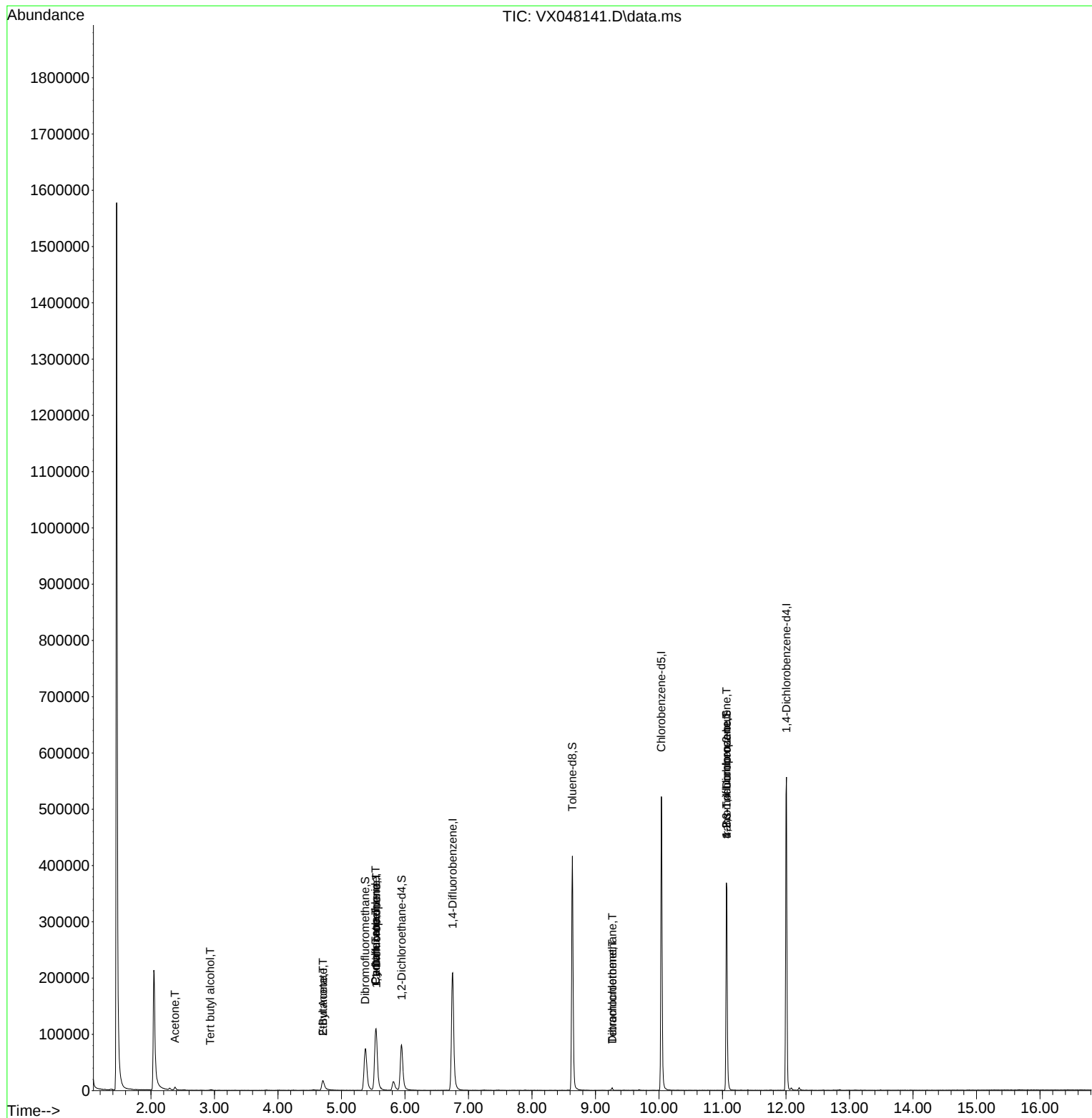
Internal Standards						
1) Pentafluorobenzene	5.544	168	110013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	227622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	236857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87301	49.854	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.700%		
35) Dibromofluoromethane	5.373	113	73163	47.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.860%		
50) Toluene-d8	8.635	98	250943	47.507	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	11.061	95	108454	54.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.200%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.935	59	664	3.405	ug/l #	72
16) Acetone	2.380	43	6585	8.649	ug/l	93
25) 2-Butanone	4.709	43	35613	37.497	ug/l #	62
31) Cyclohexane	5.538	56	2921	1.262	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	9986	4.477	ug/l #	49
37) Ethyl Acetate	4.709	43	36957	15.474	ug/l	99
38) Carbon Tetrachloride	5.538	117	11774	4.858	ug/l #	19
60) Dibromochloromethane	9.263	129	752	0.405	ug/l #	11
64) Tetrachloroethene	9.263	164	887	0.574	ug/l #	81
76) 1,2,3-Trichloropropane	11.061	75	56394	23.909	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	56394	60.971	ug/l #	8

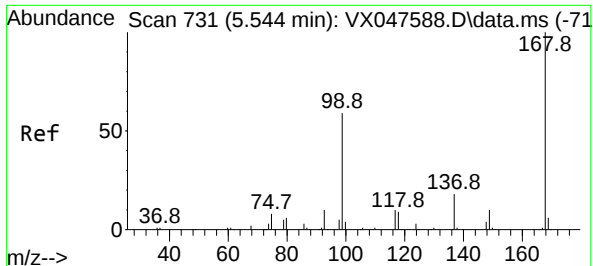
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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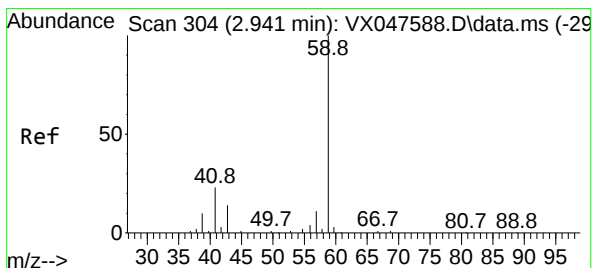
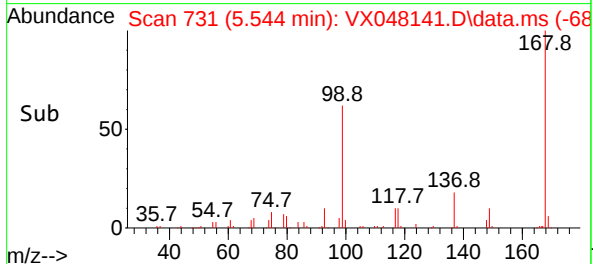
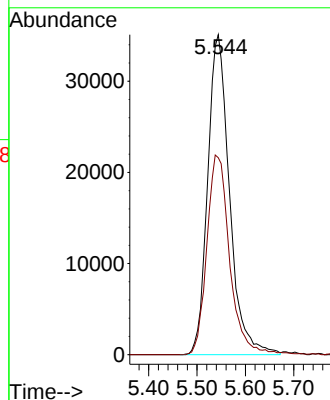
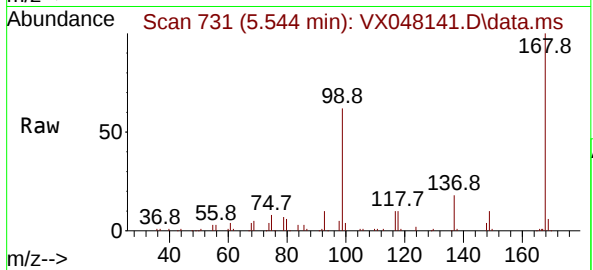




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

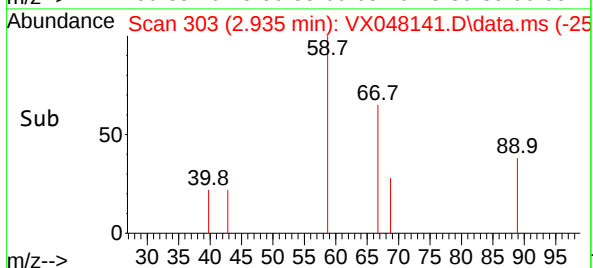
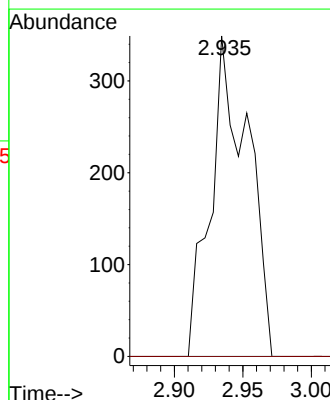
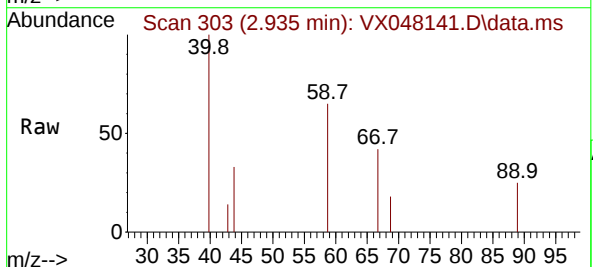
Instrument :
MSVOA_X
ClientSampleId :
RINGWOOD

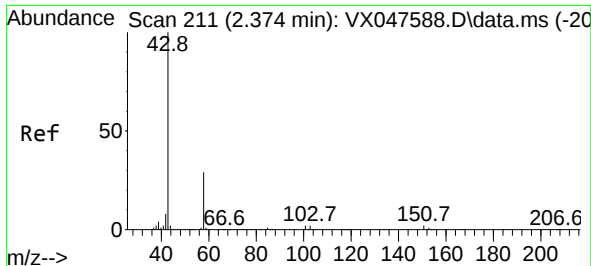
Tgt Ion:168 Resp: 110013
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2



#11
Tert butyl alcohol
Concen: 3.405 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 59 Resp: 664
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

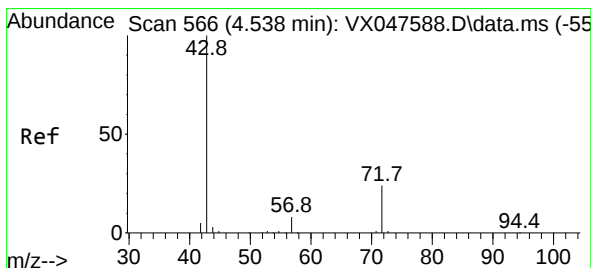
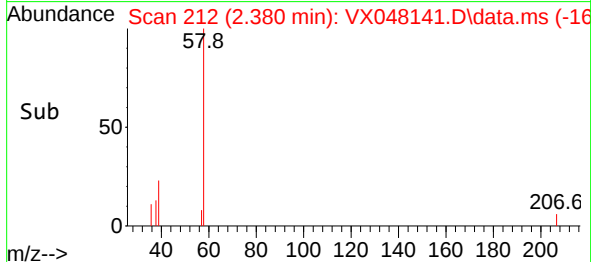
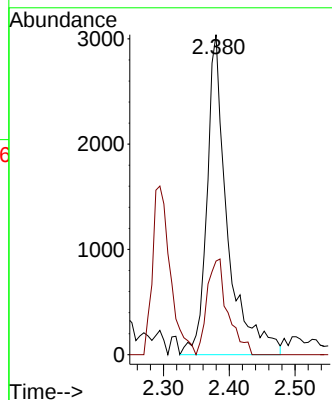
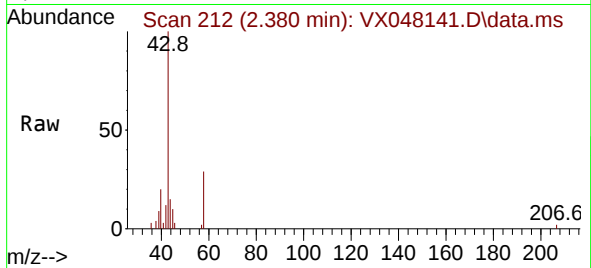




#16
Acetone
Concen: 8.649 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

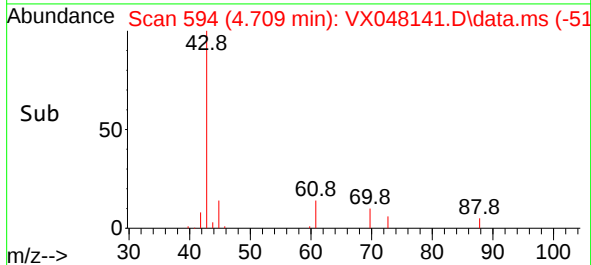
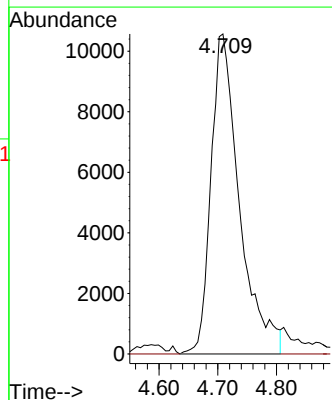
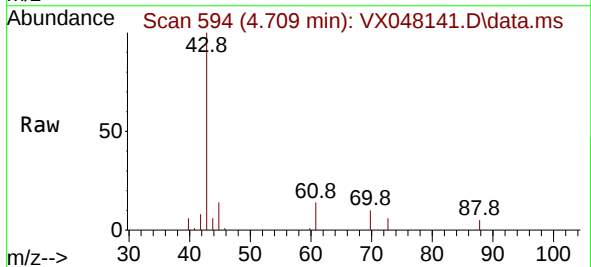
Instrument :
MSVOA_X
ClientSampleId :
RINGWOOD

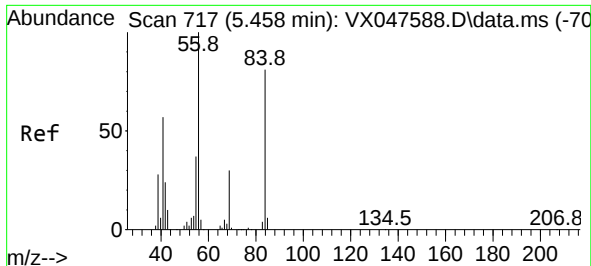
Tgt Ion: 43 Resp: 6585
Ion Ratio Lower Upper
43 100
58 25.4 23.4 35.0



#25
2-Butanone
Concen: 37.497 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.171 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 43 Resp: 35613
Ion Ratio Lower Upper
43 100
72 5.9 20.1 30.1#

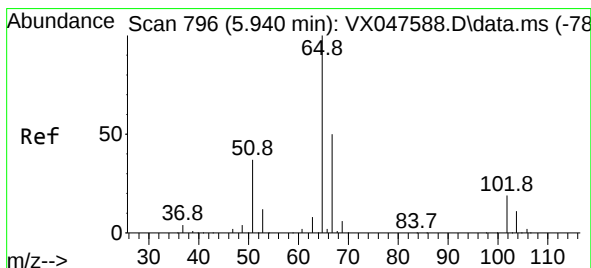
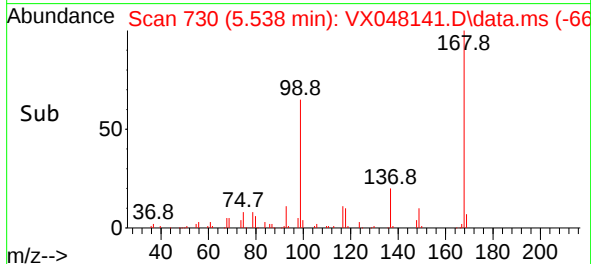
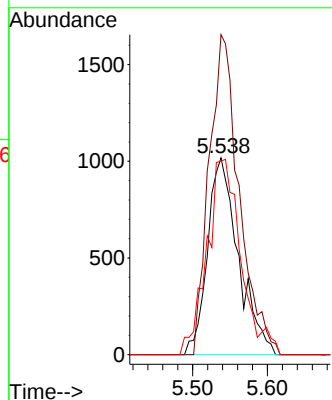
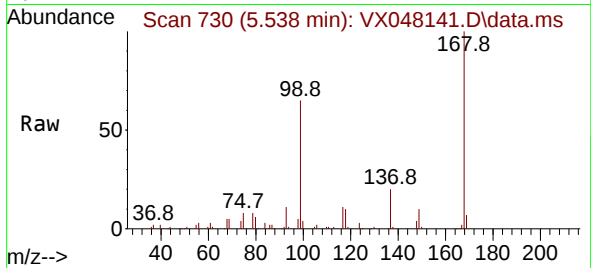




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

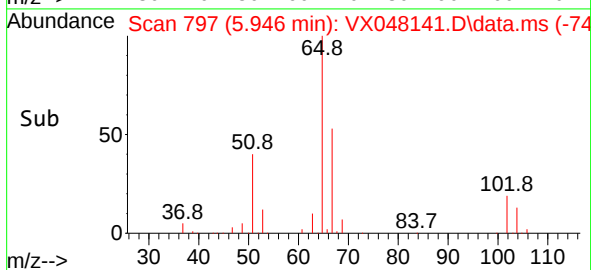
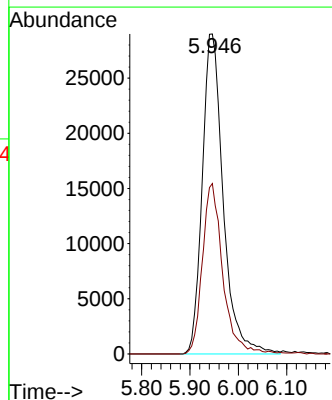
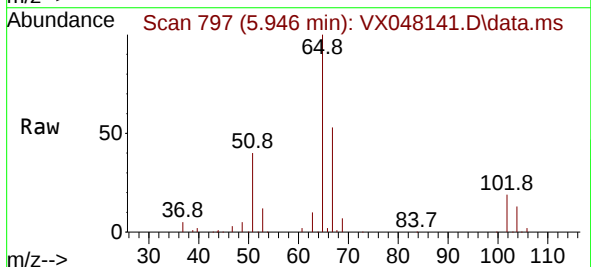
Instrument :
MSVOA_X
ClientSampleId :
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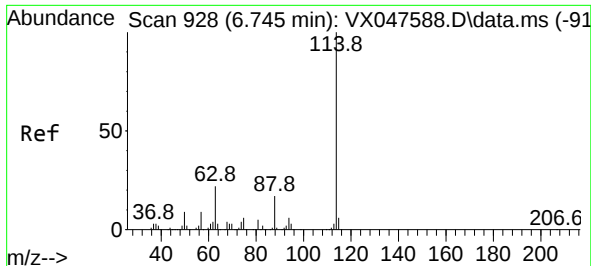
Tgt Ion: 56 Resp: 2921
Ion Ratio Lower Upper
56 100
69 162.6 23.8 35.8#
84 98.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.854 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 65 Resp: 87301
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0

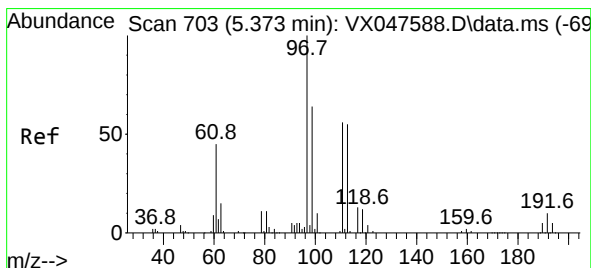
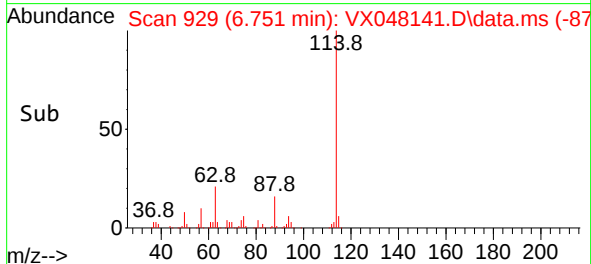
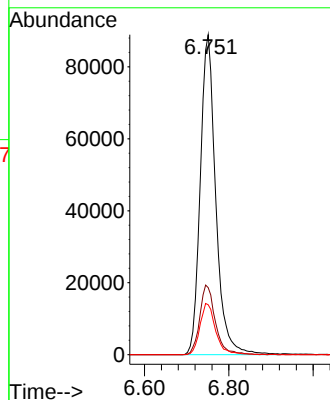
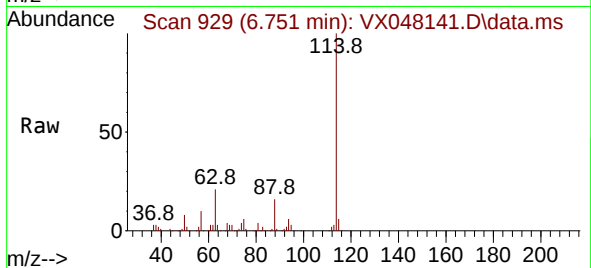




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

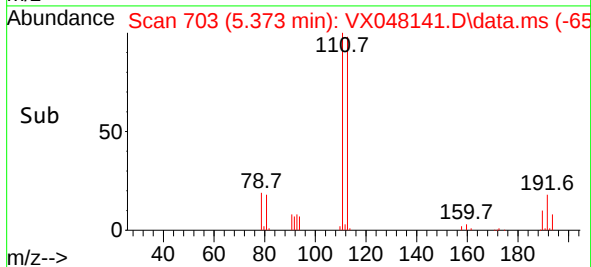
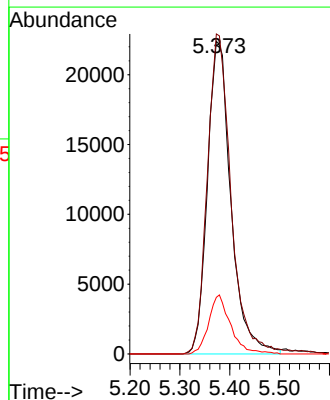
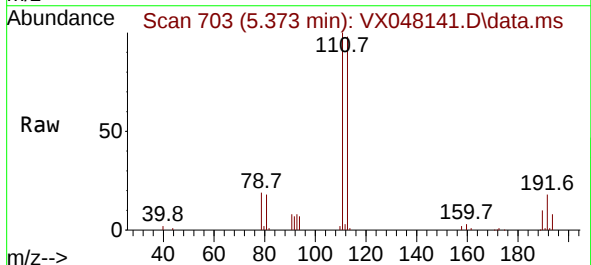
Instrument :
MSVOA_X
ClientSampleId :
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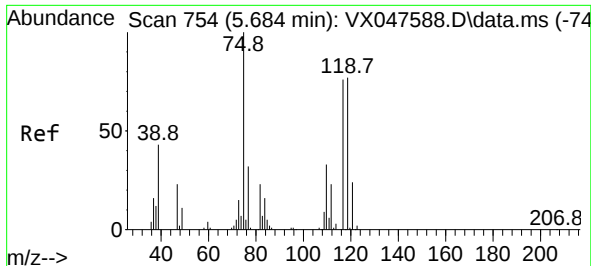
Tgt Ion:114 Resp: 227622
Ion Ratio Lower Upper
114 100
63 23.9 0.0 44.0
88 15.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.927 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion:113 Resp: 73163
Ion Ratio Lower Upper
113 100
111 104.4 80.9 121.3
192 17.8 14.2 21.4

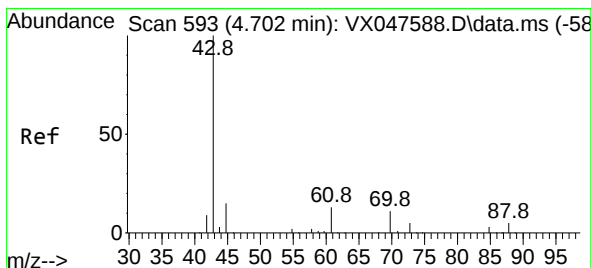
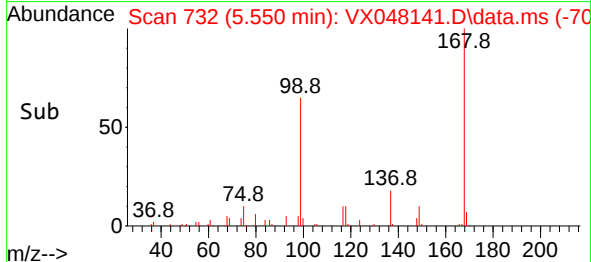
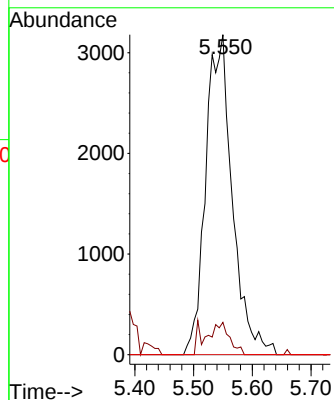
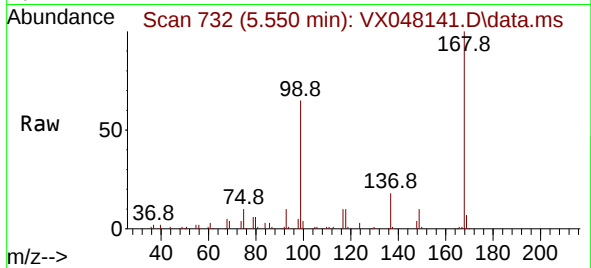




#36
1,1-Dichloropropene
Concen: 4.477 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

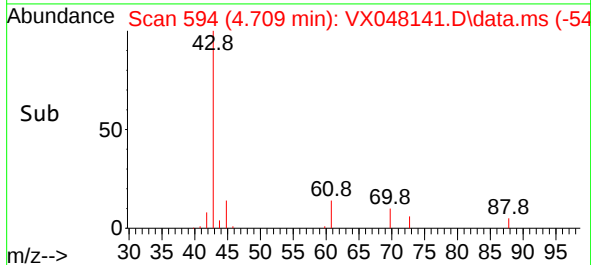
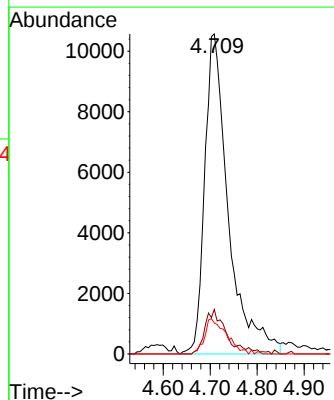
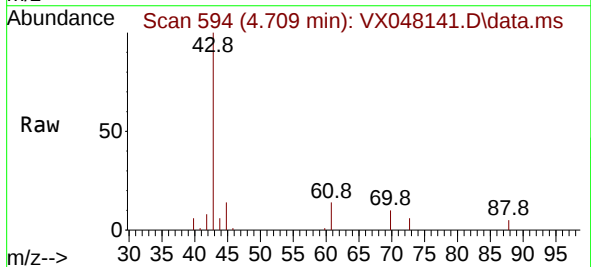
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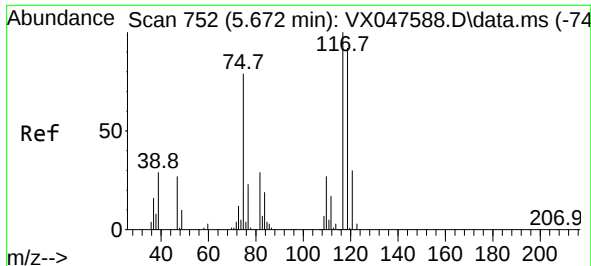
Tgt Ion: 75 Resp: 9986
Ion Ratio Lower Upper
75 100
110 6.8 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 15.474 ug/l
RT: 4.709 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 43 Resp: 36957
Ion Ratio Lower Upper
43 100
61 12.8 9.8 14.8
70 10.0 7.9 11.9

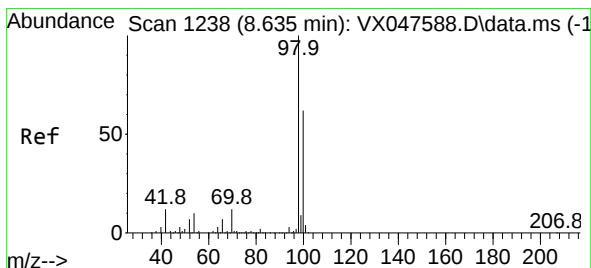
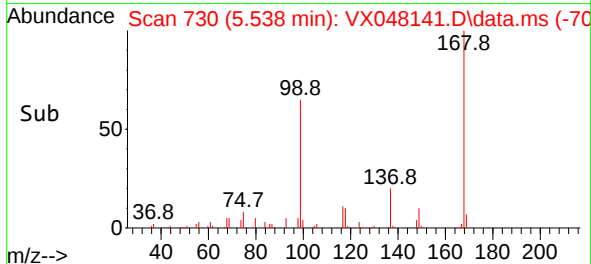
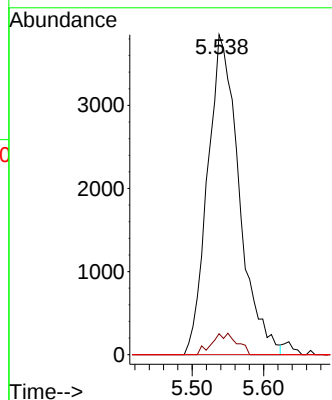
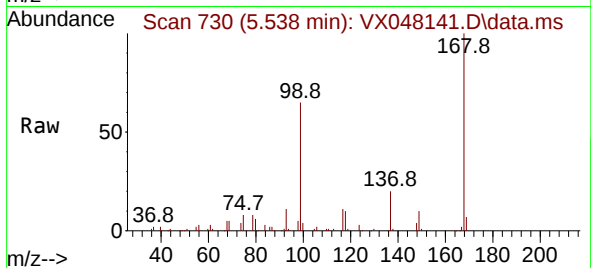




#38
Carbon Tetrachloride
Concen: 4.858 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

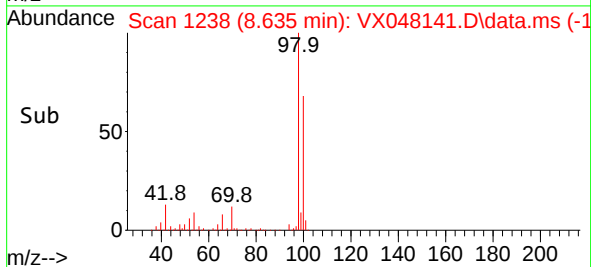
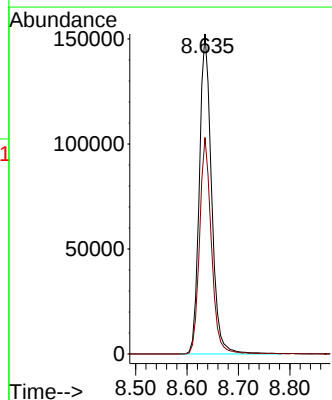
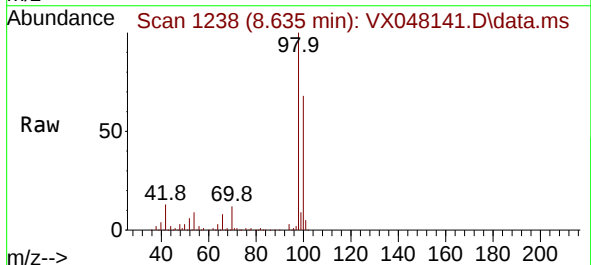
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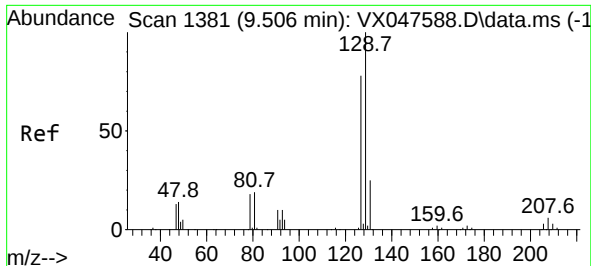
Tgt Ion:117 Resp: 11774
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 47.507 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 98 Resp: 250943
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

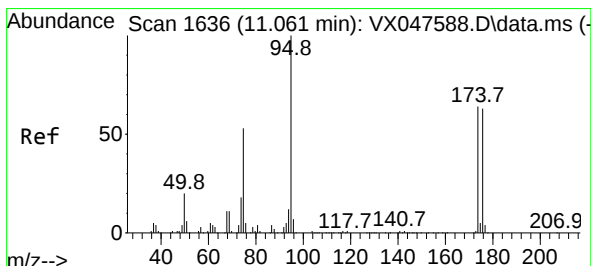
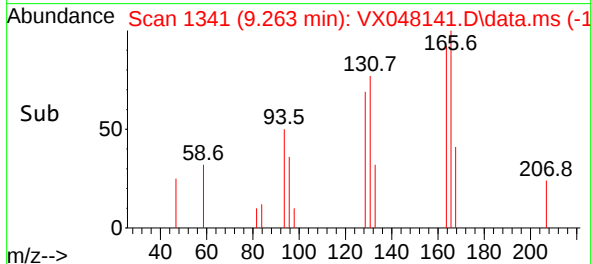
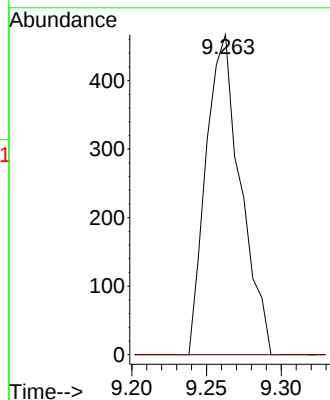
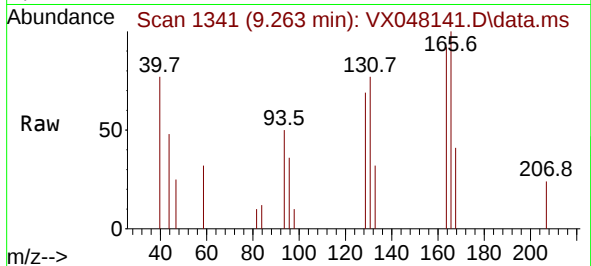




#60
Dibromochloromethane
Concen: 0.405 ug/l
RT: 9.263 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

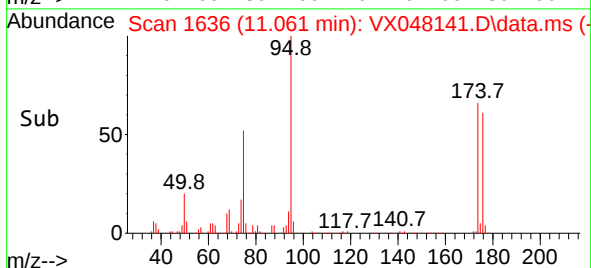
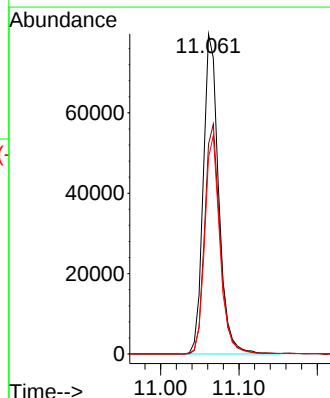
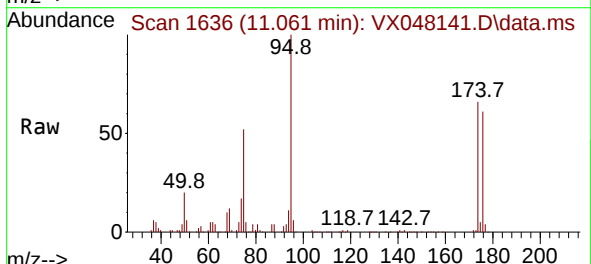
Instrument :
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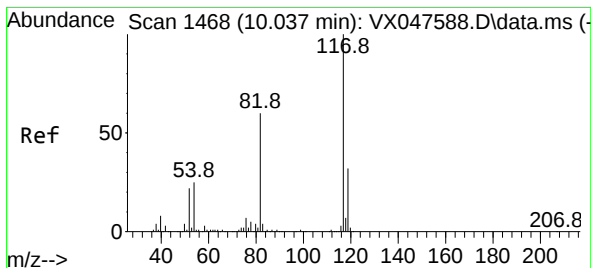
Tgt Ion:129 Resp: 752
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.100 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048141.D
Acq: 13 Oct 2025 14:49

Tgt Ion: 95 Resp: 108454
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 67.7 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048141.D

Acq: 13 Oct 2025 14:49

Instrument :

MSVOA_X

ClientSampleId :

RINGWOOD

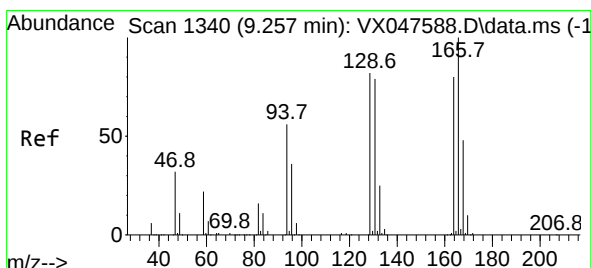
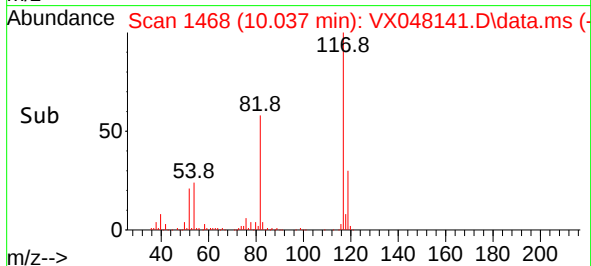
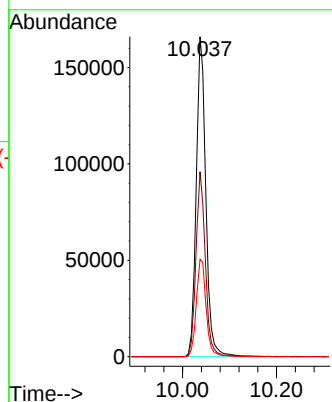
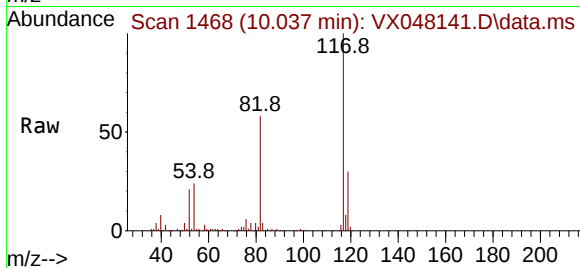
Tgt Ion:117 Resp: 236857

Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 30.5 25.2 37.8



#64

Tetrachloroethene

Concen: 0.574 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048141.D

Acq: 13 Oct 2025 14:49

Tgt Ion:164 Resp: 887

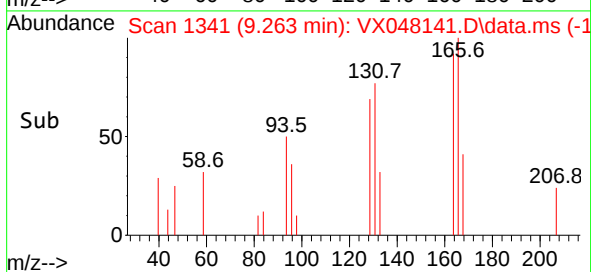
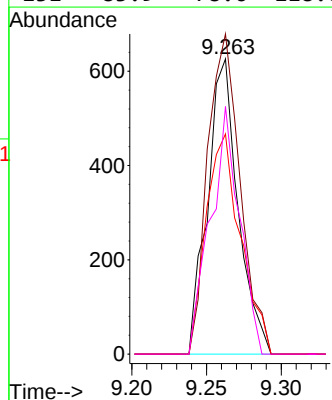
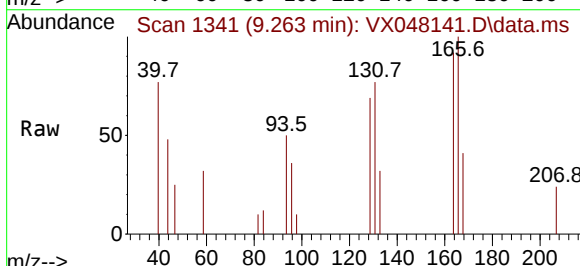
Ion Ratio Lower Upper

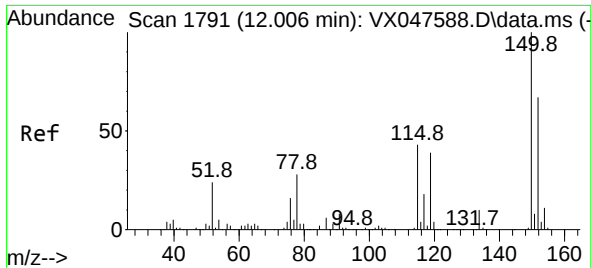
164 100

166 108.5 100.2 150.2

129 74.6 81.8 122.6#

131 83.9 78.6 118.0

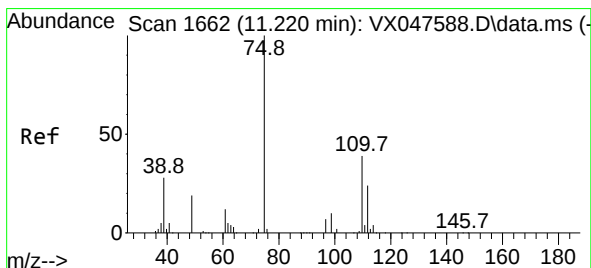
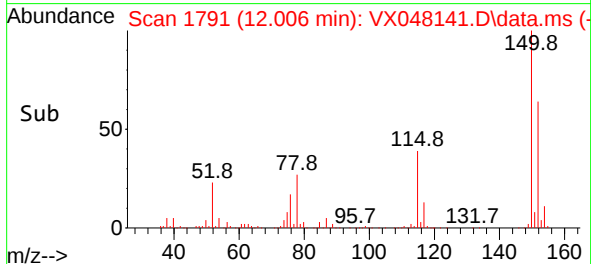
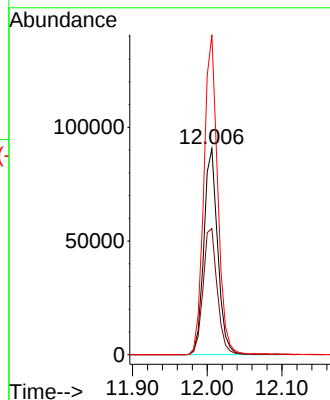
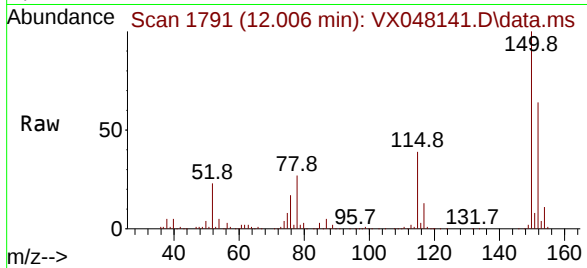




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048141.D
 Acq: 13 Oct 2025 14:49

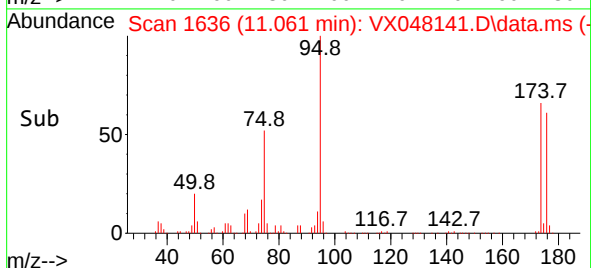
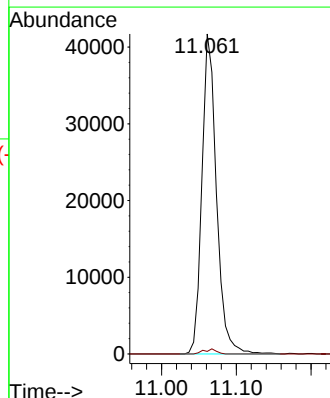
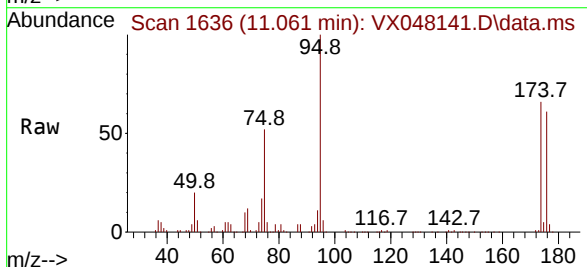
Instrument :
 MSVOA_X
 ClientSampleId :
 RINGWOOD

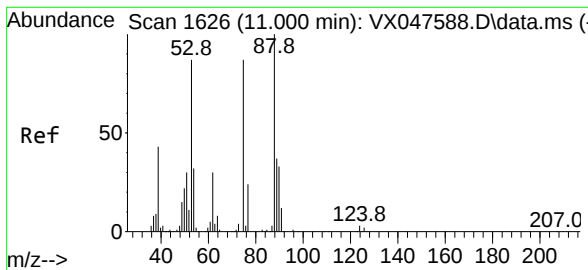
Tgt Ion:152 Resp: 116498
 Ion Ratio Lower Upper
 152 100
 115 62.9 44.9 134.5
 150 154.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.909 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048141.D
 Acq: 13 Oct 2025 14:49

Tgt Ion: 75 Resp: 56394
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.971 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048141.D
 Acq: 13 Oct 2025 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RINGWOOD

Tgt Ion: 75 Resp: 56394
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

