

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048140.D
 Acq On : 13 Oct 2025 14:28
 Operator : JC/MD
 Sample : Q3311-15 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-DUP

Quant Time: Oct 14 01:55:02 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

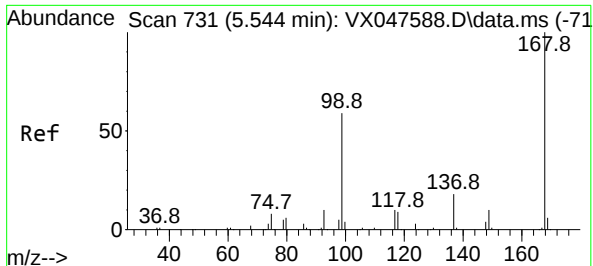
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.543	168	132902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	272688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	299057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115656	54.672	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.340%	
35) Dibromofluoromethane	5.379	113	91927	50.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.540%	
50) Toluene-d8	8.634	98	313129	49.483	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.960%	
62) 4-Bromofluorobenzene	11.067	95	135223	56.306	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	690	2.929	ug/l #	72
18) Methyl Acetate	2.702	43	593	0.290	ug/l #	54
31) Cyclohexane	5.543	56	3003	1.074	ug/l #	19
36) 1,1-Dichloropropene	5.549	75	11740	4.393	ug/l #	52
38) Carbon Tetrachloride	5.543	117	13837	4.766	ug/l #	18
60) Dibromochloromethane	9.256	129	16184	7.285	ug/l #	11
64) Tetrachloroethene	9.262	164	15725	8.066	ug/l	98
76) 1,2,3-Trichloropropane	11.061	75	68935	22.229	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	68935	56.686	ug/l #	8

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

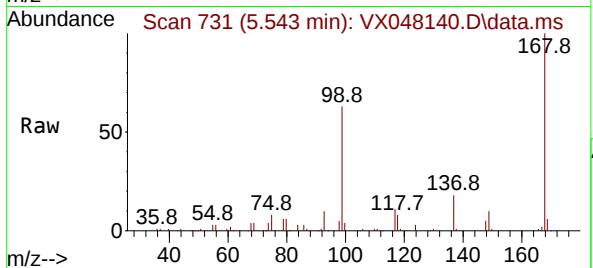
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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



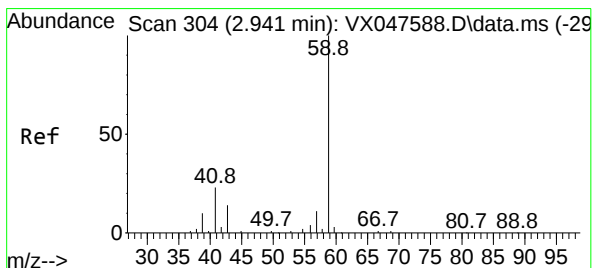
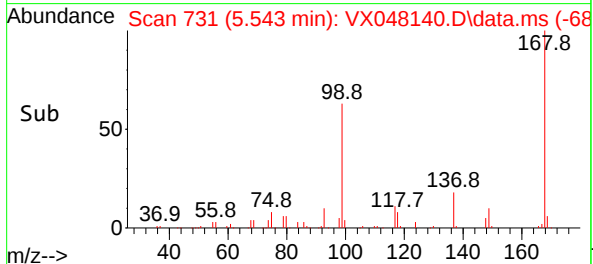
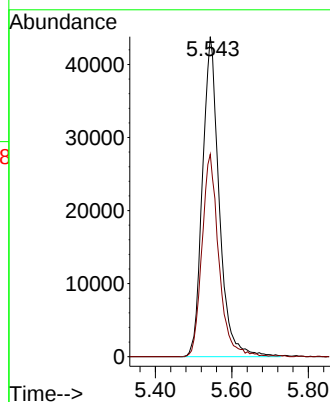


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
GW-DUP

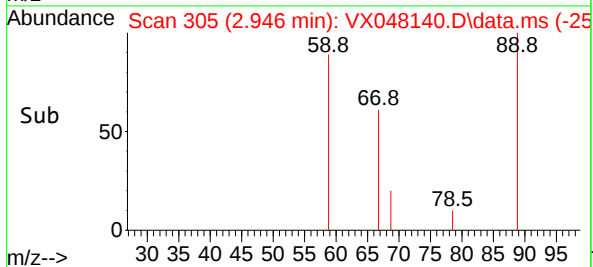
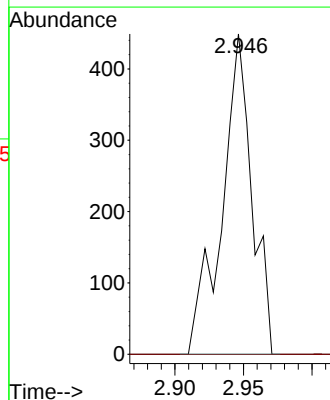
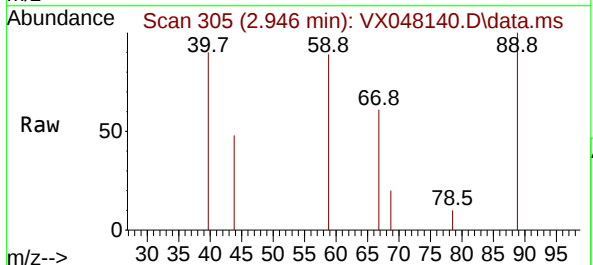


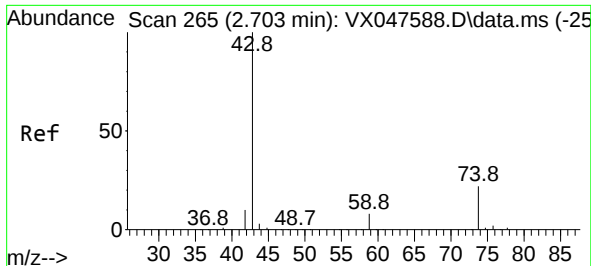
Tgt Ion:168 Resp: 132902
Ion Ratio Lower Upper
168 100
99 63.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 2.929 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

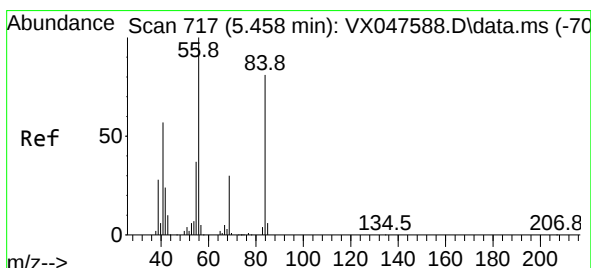
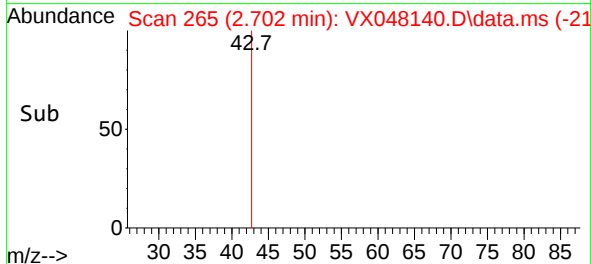
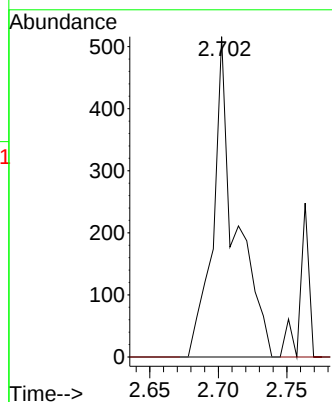
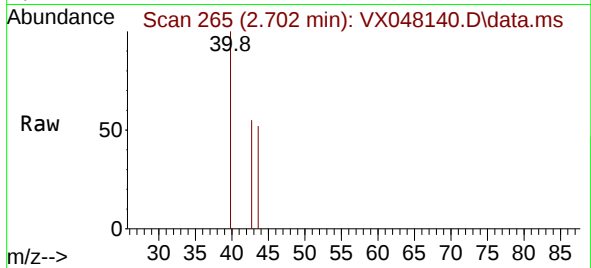




#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.702 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

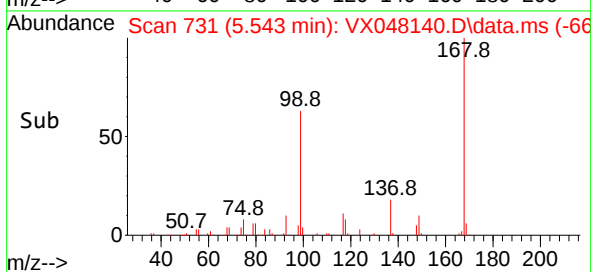
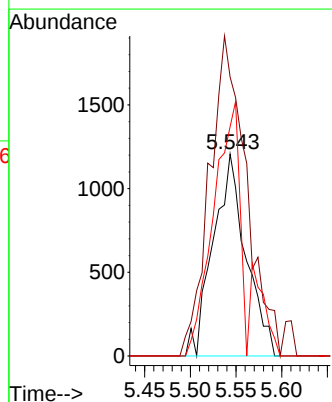
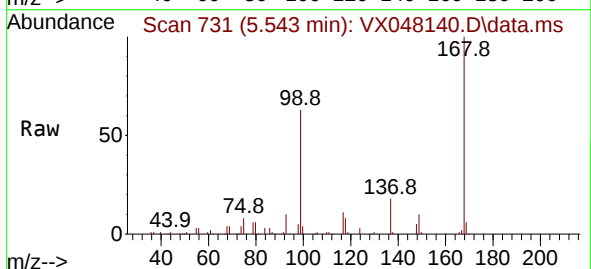
Instrument :
MSVOA_X
ClientSampleId :
GW-DUP

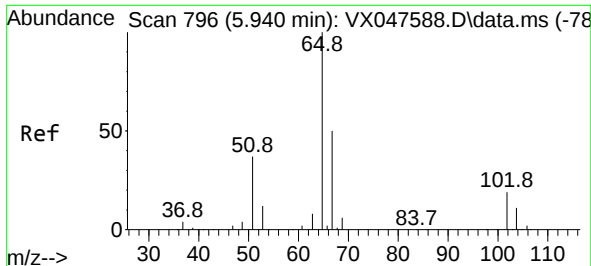
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

Tgt Ion: 56 Resp: 3003
Ion Ratio Lower Upper
56 100
69 138.0 23.8 35.8#
84 113.5 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.672 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048140.D

Acq: 13 Oct 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

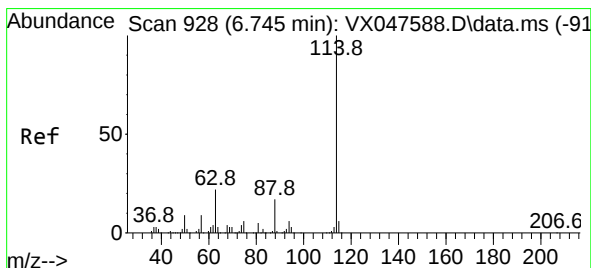
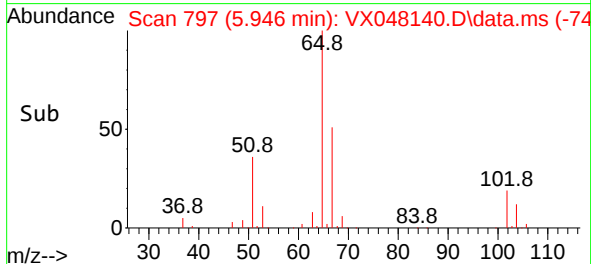
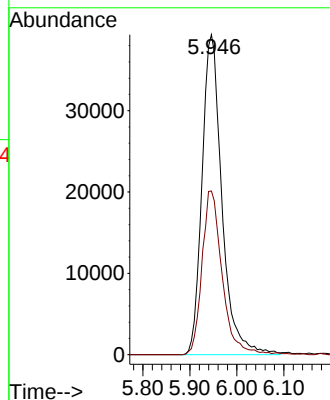
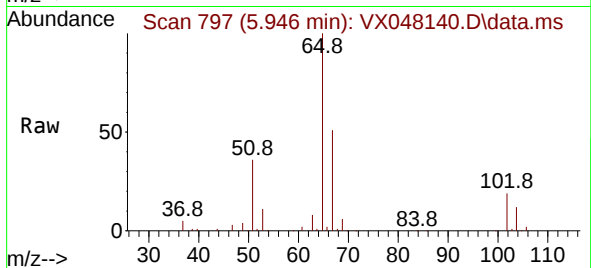
GW-DUP

Tgt Ion: 65 Resp: 115656

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.750 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048140.D

Acq: 13 Oct 2025 14:28

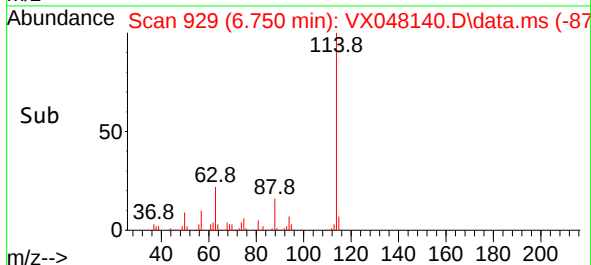
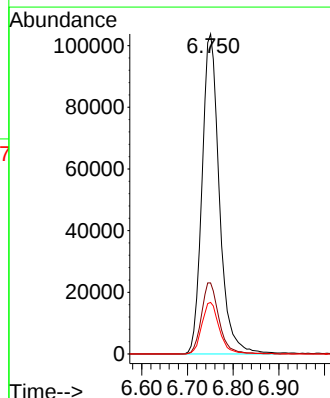
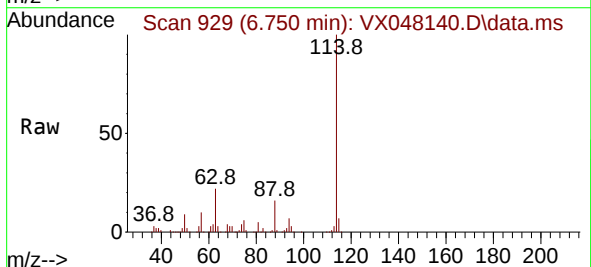
Tgt Ion: 114 Resp: 272688

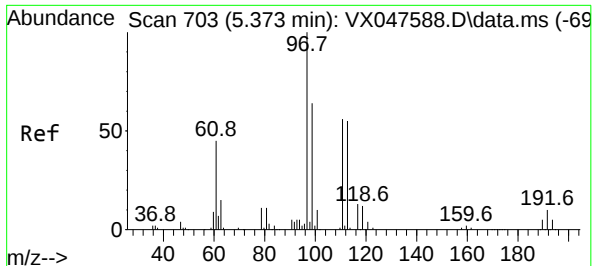
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.0

88 16.1 0.0 34.2

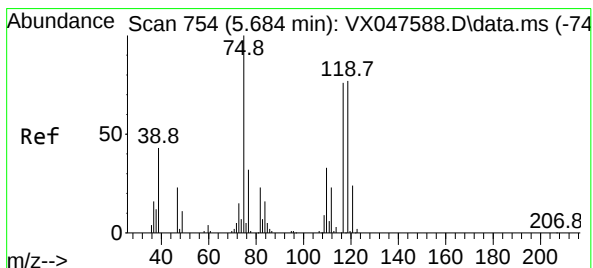
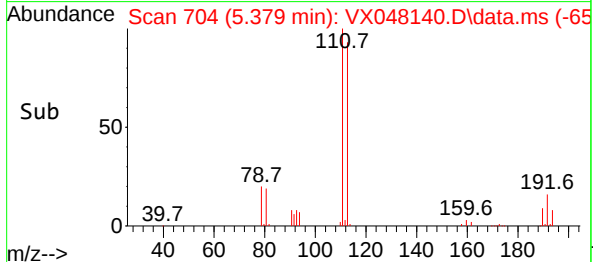
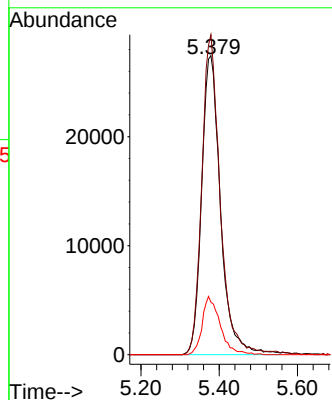
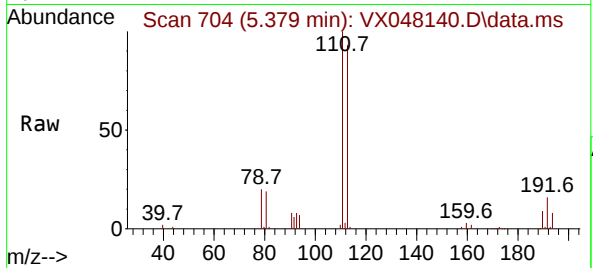




#35
Dibromofluoromethane
Concen: 50.266 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

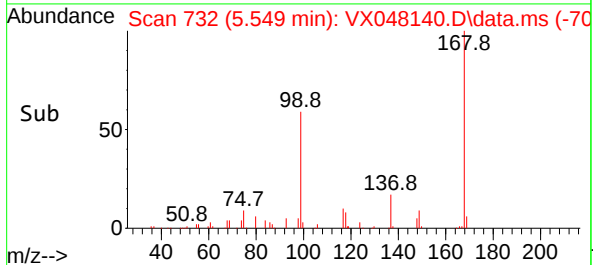
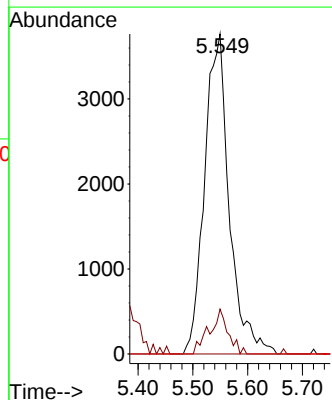
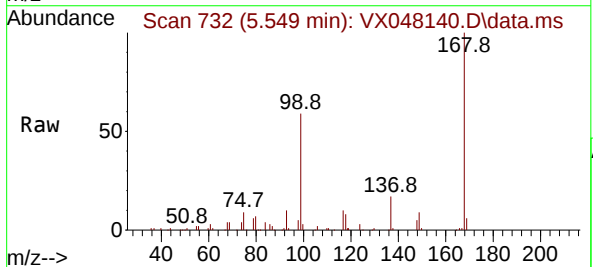
Instrument :
MSVOA_X
ClientSampleId :
GW-DUP

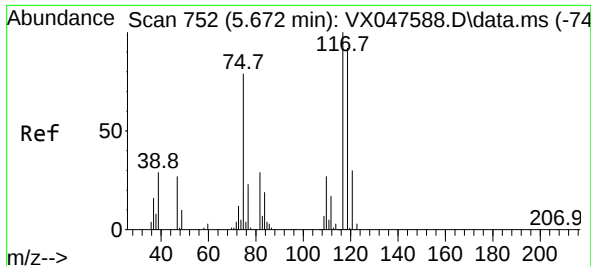
Tgt Ion:113 Resp: 91927
Ion Ratio Lower Upper
113 100
111 103.5 80.9 121.3
192 18.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.135 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

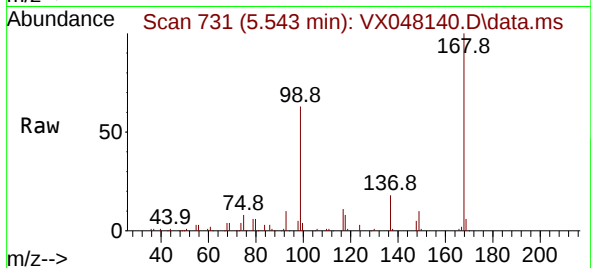
Tgt Ion: 75 Resp: 11740
Ion Ratio Lower Upper
75 100
110 10.7 16.7 50.1#
77 0.0 24.3 36.5#



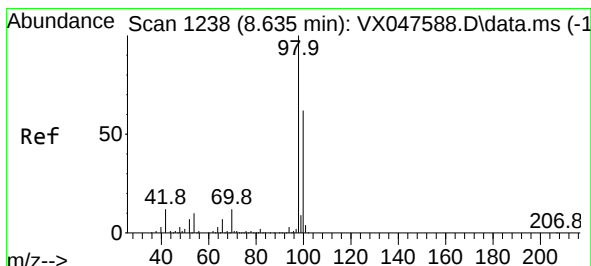
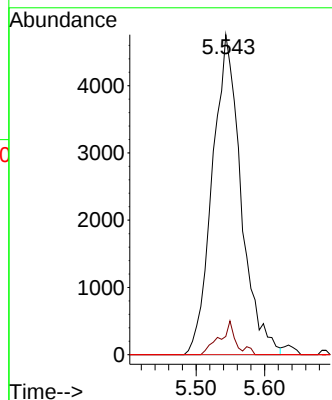
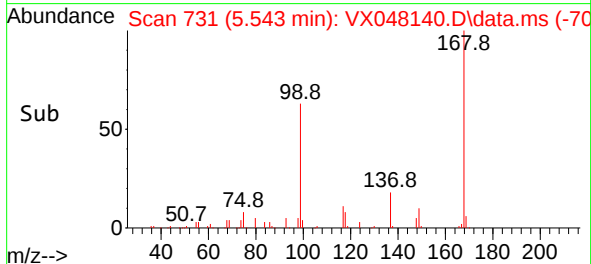


#38
Carbon Tetrachloride
Concen: 4.766 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

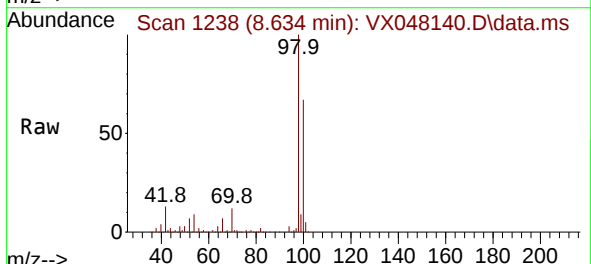
Instrument :
MSVOA_X
ClientSampleId :
GW-DUP



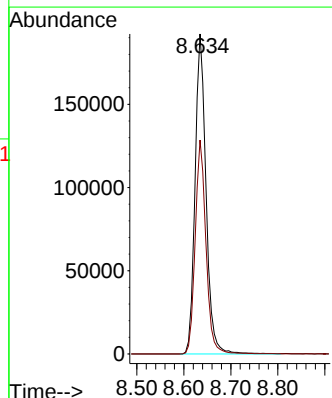
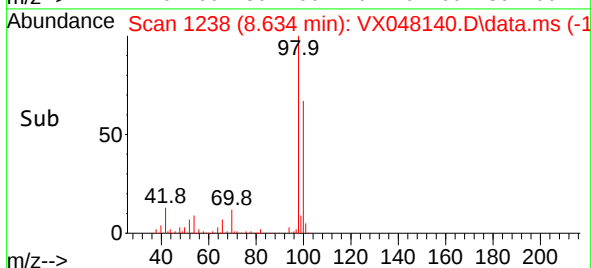
Tgt Ion:117 Resp: 13837
Ion Ratio Lower Upper
117 100
119 5.7 73.4 110.2#
121 0.0 23.8 35.6#

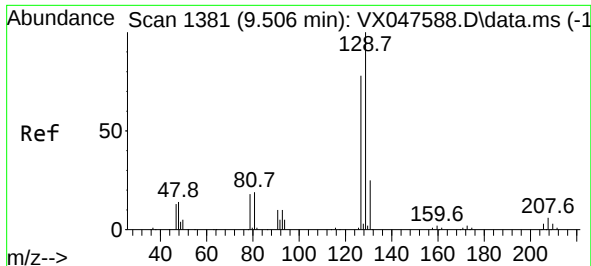


#50
Toluene-d8
Concen: 49.483 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28



Tgt Ion: 98 Resp: 313129
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

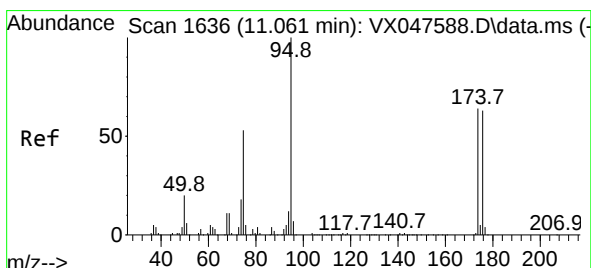
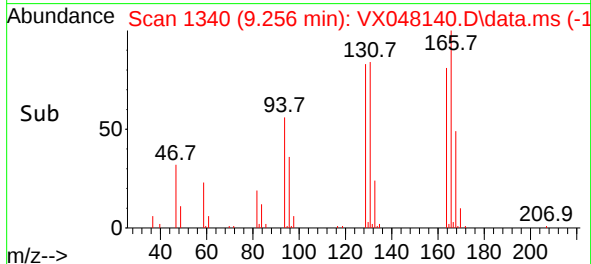
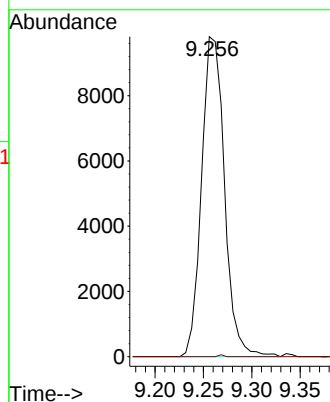
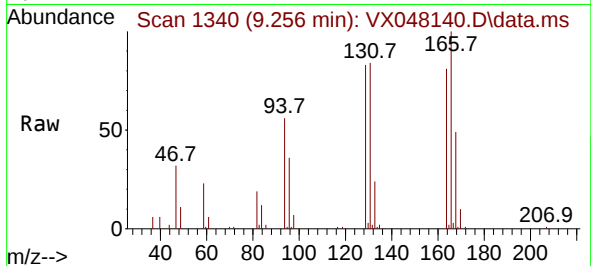




#60
Dibromochloromethane
Concen: 7.285 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

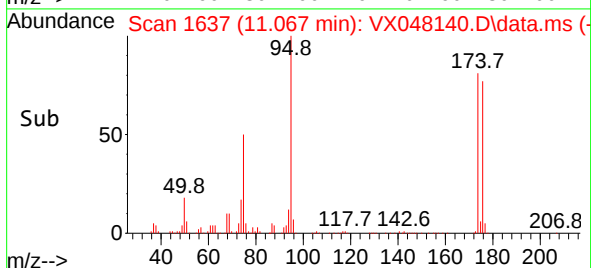
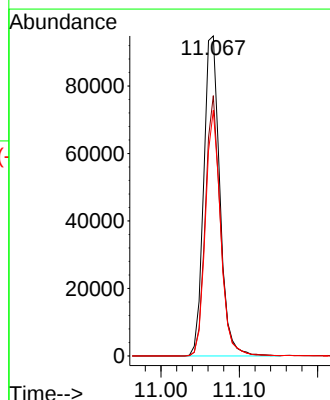
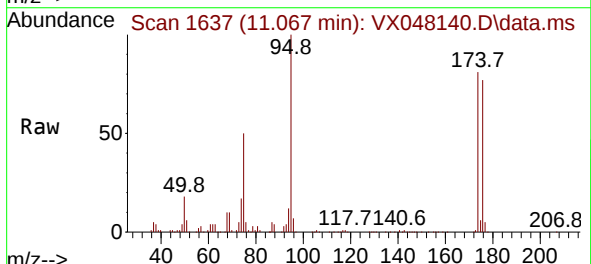
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MSVOA_X
ClientSampleId :
GW-DUP

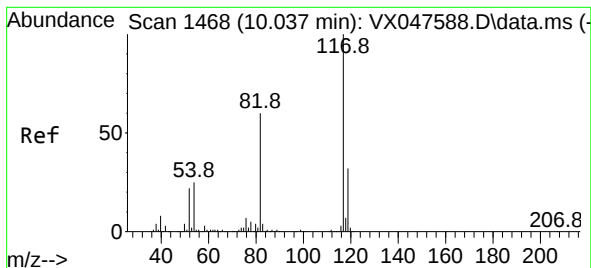
Tgt Ion:129 Resp: 16184
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.306 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048140.D
Acq: 13 Oct 2025 14:28

Tgt Ion: 95 Resp: 135223
Ion Ratio Lower Upper
95 100
174 76.0 0.0 141.6
176 72.7 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048140.D

Acq: 13 Oct 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

GW-DUP

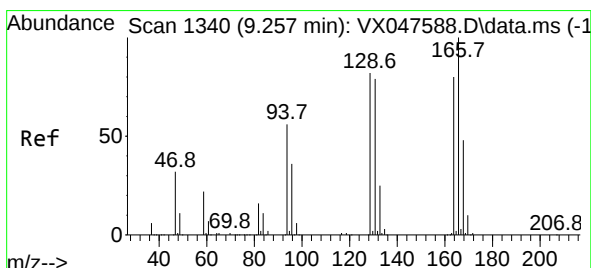
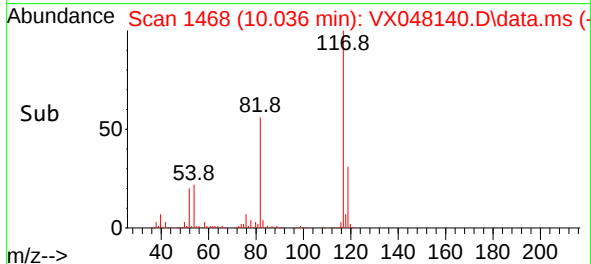
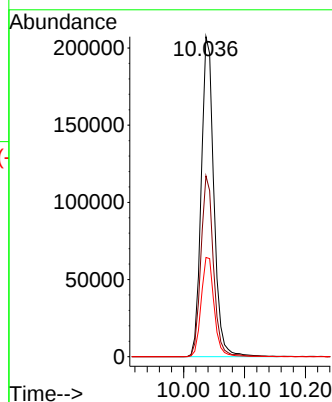
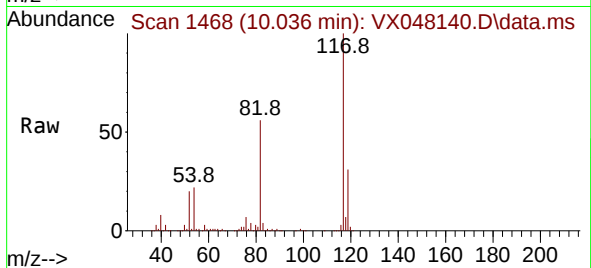
Tgt Ion:117 Resp: 299057

Ion Ratio Lower Upper

117 100

82 56.5 47.8 71.6

119 31.0 25.2 37.8



#64

Tetrachloroethene

Concen: 8.066 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048140.D

Acq: 13 Oct 2025 14:28

Tgt Ion:164 Resp: 15725

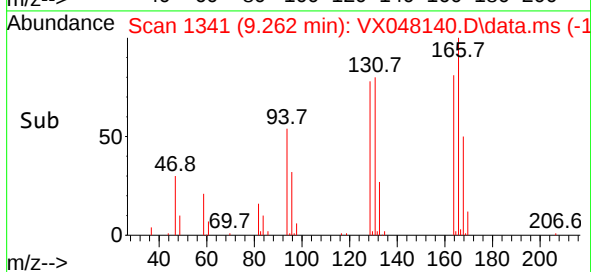
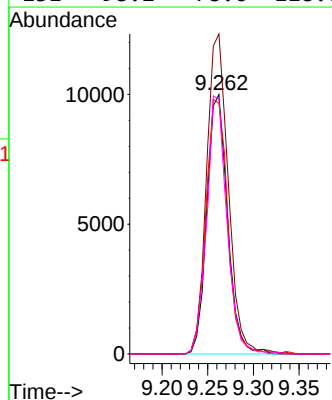
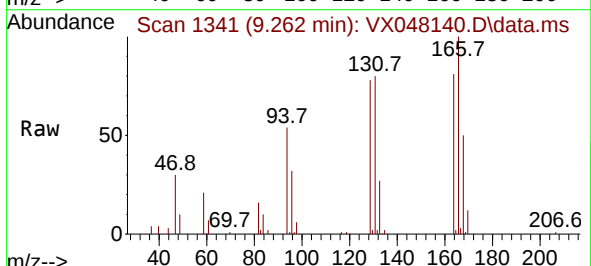
Ion Ratio Lower Upper

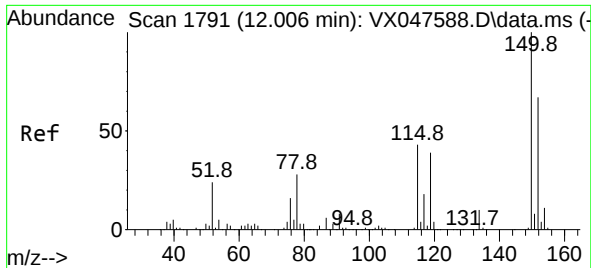
164 100

166 123.3 100.2 150.2

129 96.6 81.8 122.6

131 98.2 78.6 118.0

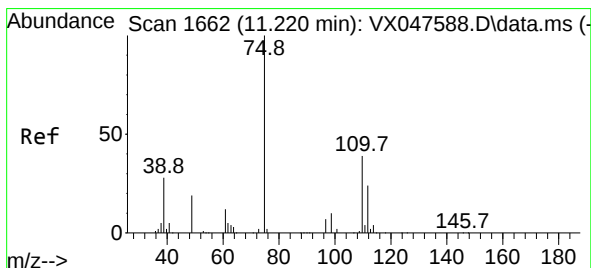
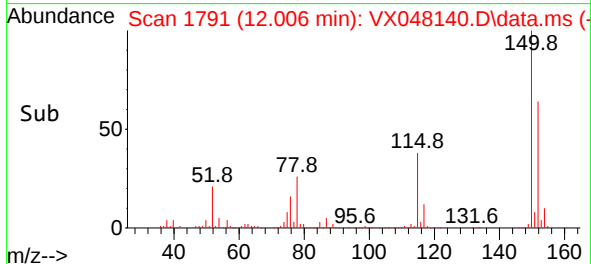
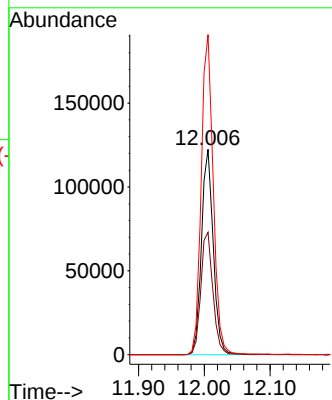
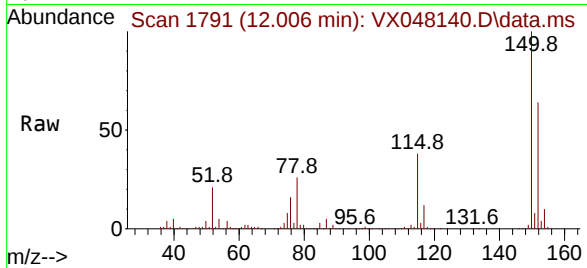




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048140.D
 Acq: 13 Oct 2025 14:28

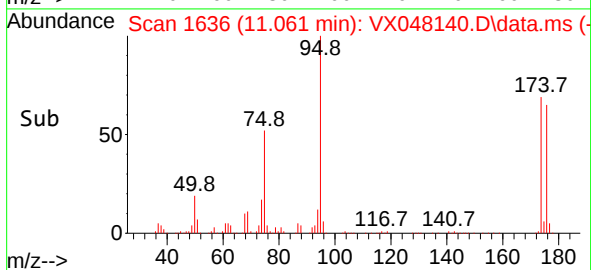
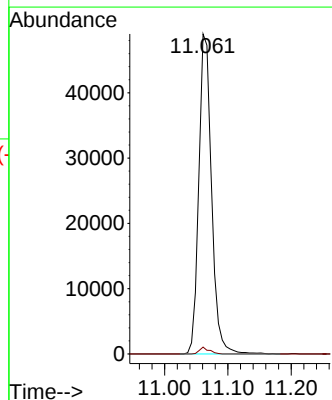
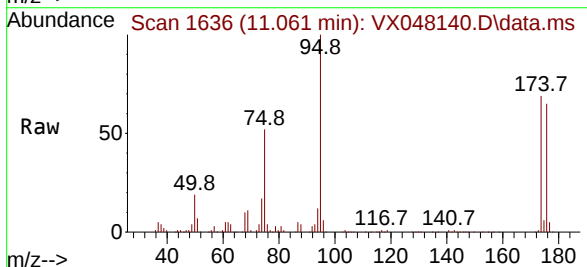
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-DUP

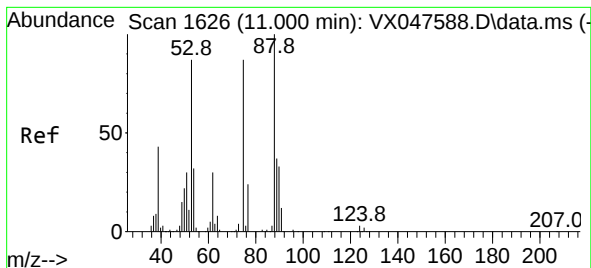
Tgt Ion:152 Resp: 153168
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.9 134.5
 150 158.4 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 22.229 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048140.D
 Acq: 13 Oct 2025 14:28

Tgt Ion: 75 Resp: 68935
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.686 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048140.D
 Acq: 13 Oct 2025 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-DUP

Tgt Ion: 75 Resp: 68935
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

