

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048139.D
 Acq On : 13 Oct 2025 14:08
 Operator : JC/MD
 Sample : Q3311-14 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

Quant Time: Oct 14 01:54:44 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)

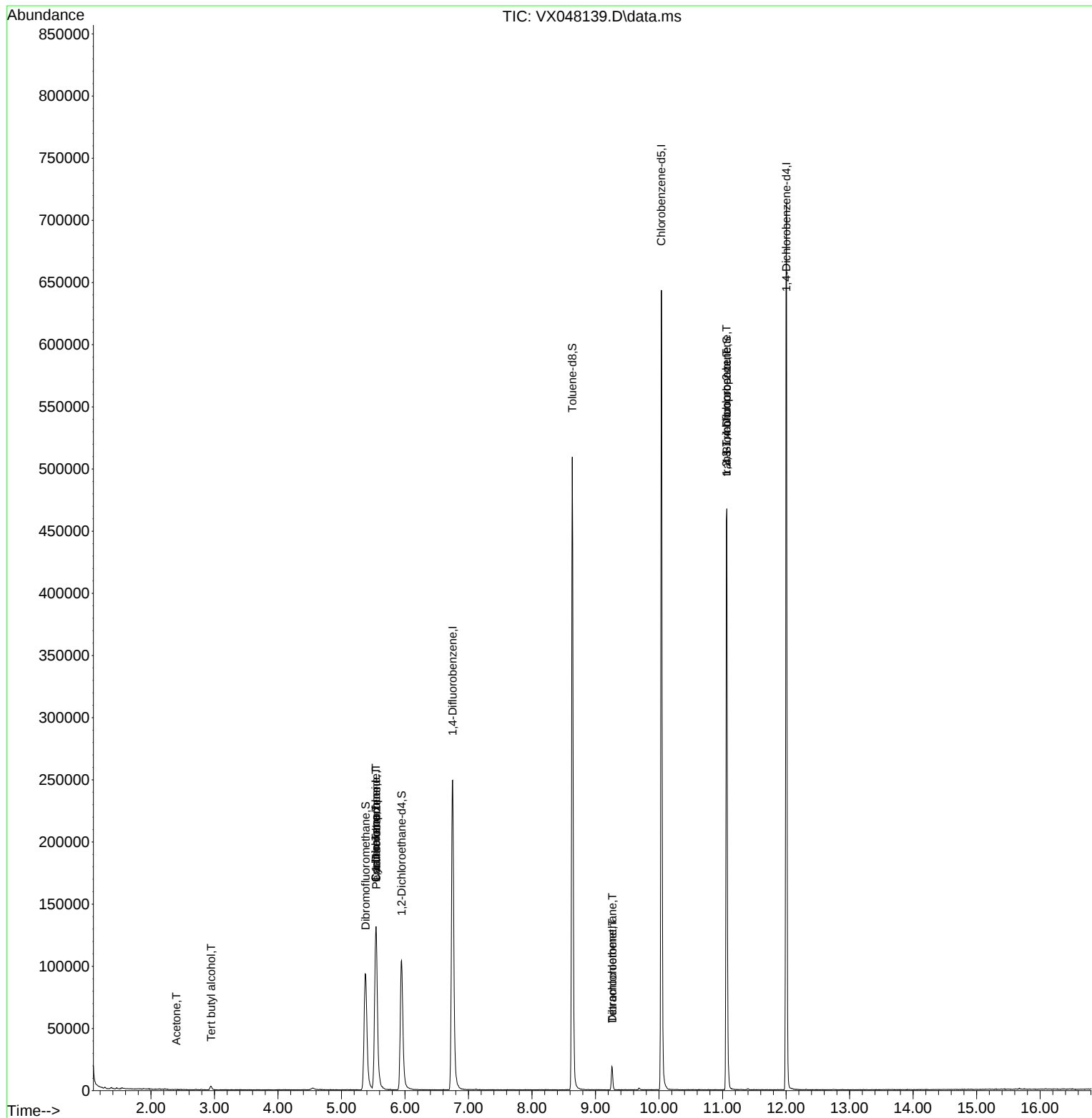
Internal Standards						
1) Pentafluorobenzene	5.550	168	132723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	271642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114891	54.383	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.760%	
35) Dibromofluoromethane	5.379	113	92359	50.697	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	8.635	98	308796	48.986	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	11.067	95	137711	57.562	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1614	6.860	ug/l #	72
16) Acetone	2.398	43	292	0.318	ug/l #	45
31) Cyclohexane	5.544	56	2965	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11400	4.282	ug/l #	51
38) Carbon Tetrachloride	5.544	117	13808	4.774	ug/l #	18
60) Dibromochloromethane	9.262	129	3829	1.730	ug/l #	11
64) Tetrachloroethene	9.262	164	3791	2.022	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	72444	24.531	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	72444	62.556	ug/l #	8

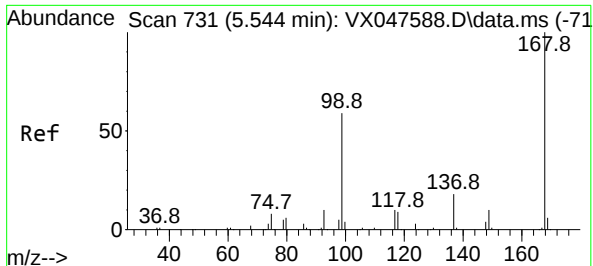
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

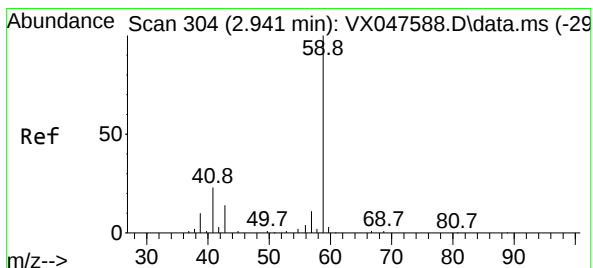
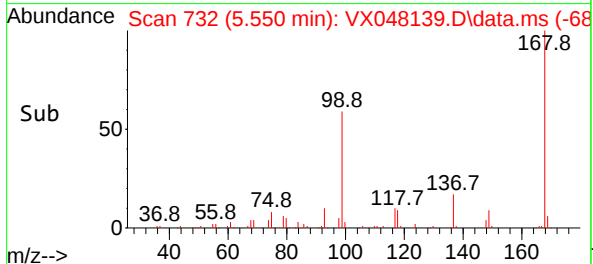
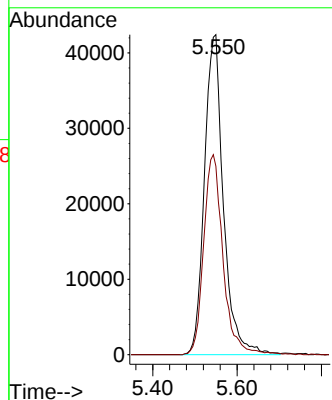
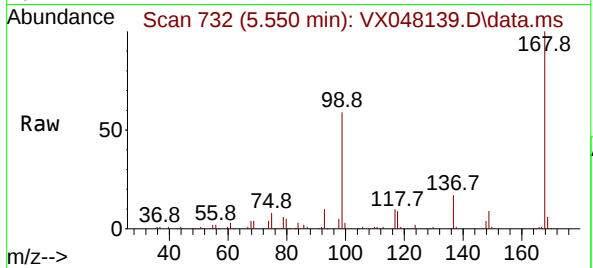




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

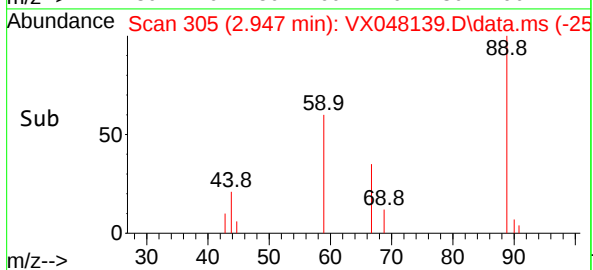
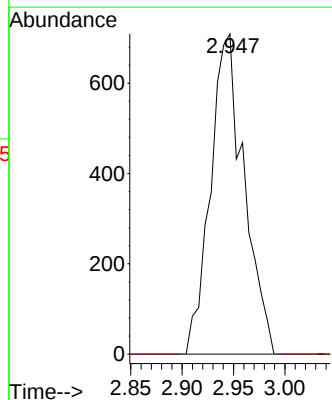
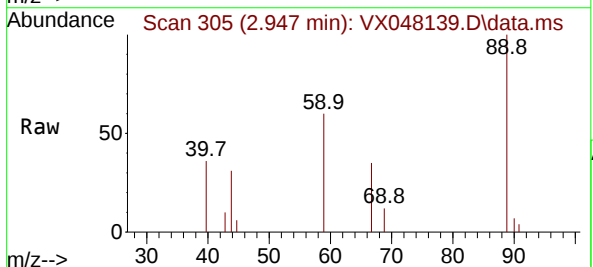
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

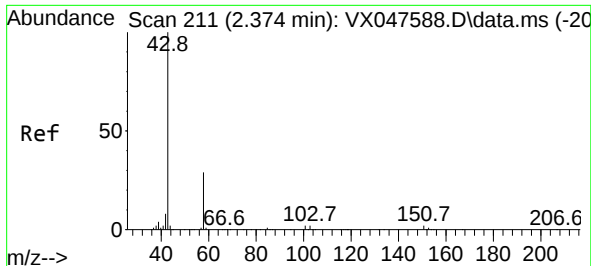
Tgt Ion:168 Resp: 132723
Ion Ratio Lower Upper
168 100
99 58.9 48.8 73.2



#11
Tert butyl alcohol
Concen: 6.860 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 59 Resp: 1614
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

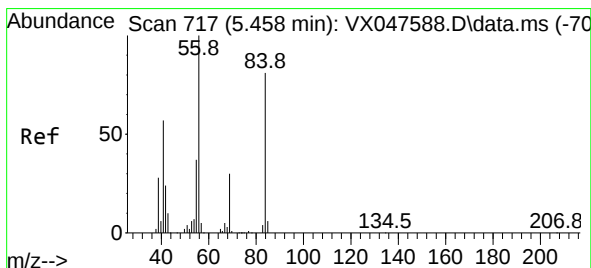
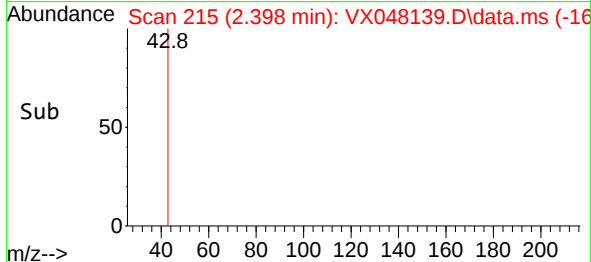
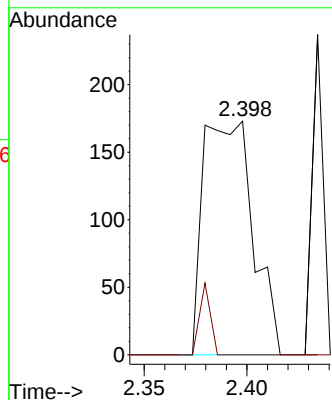
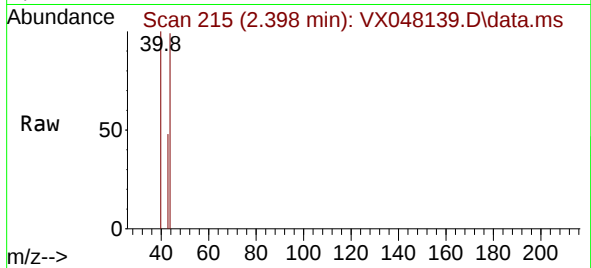




#16
Acetone
Concen: 0.318 ug/l
RT: 2.398 min Scan# 211
Delta R.T. 0.024 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

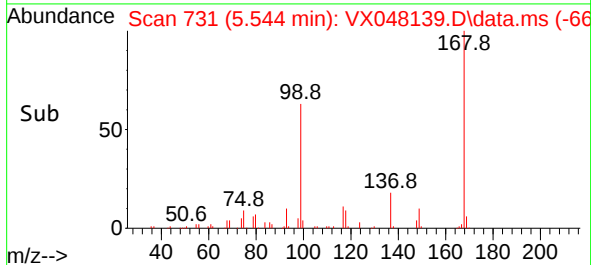
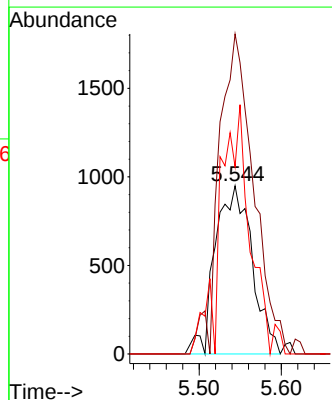
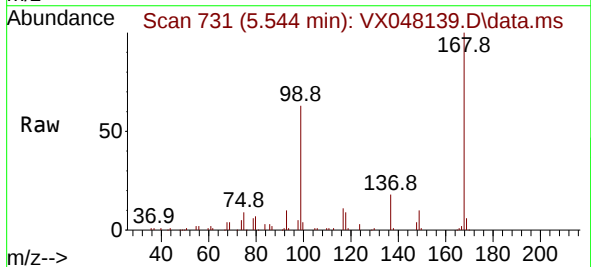
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

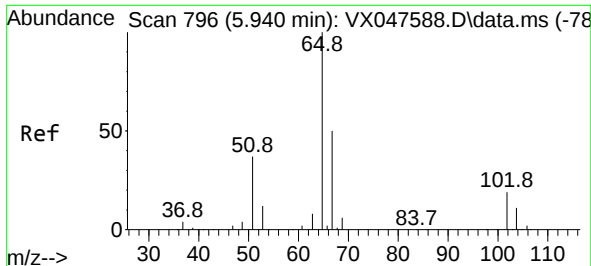
Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 56 Resp: 2965
Ion Ratio Lower Upper
56 100
69 190.2 23.8 35.8#
84 111.3 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.383 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048139.D

Acq: 13 Oct 2025 14:08

Instrument :

MSVOA_X

ClientSampleId :

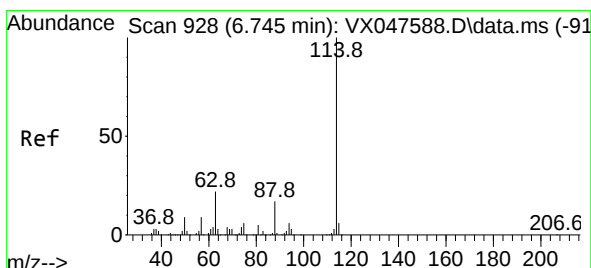
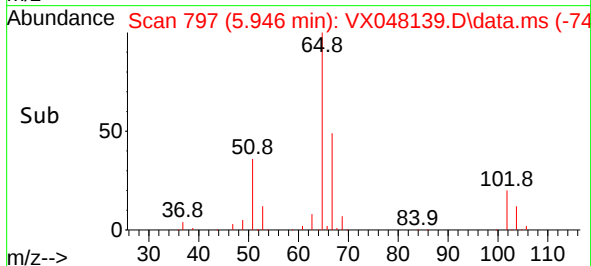
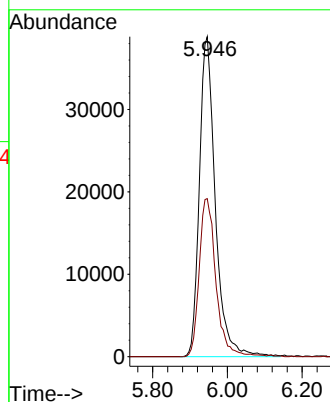
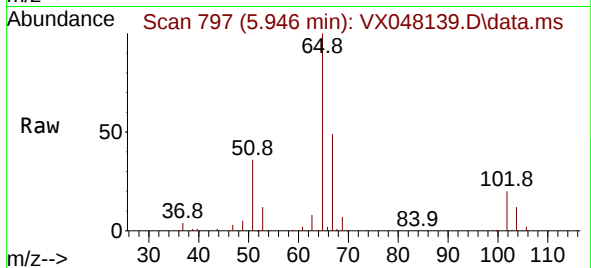
MW-227B

Tgt Ion: 65 Resp: 114891

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048139.D

Acq: 13 Oct 2025 14:08

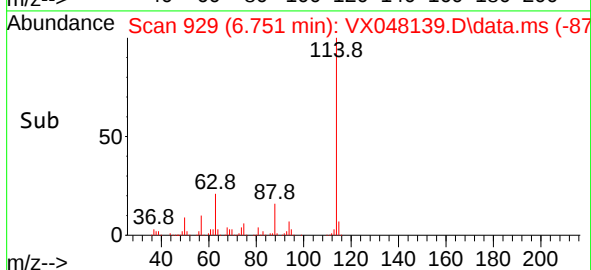
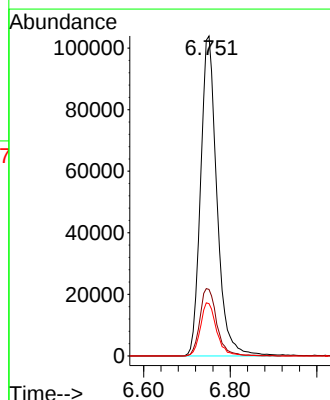
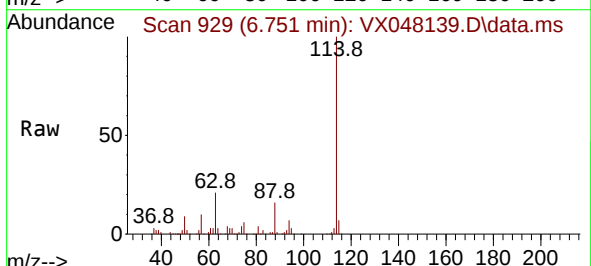
Tgt Ion: 114 Resp: 271642

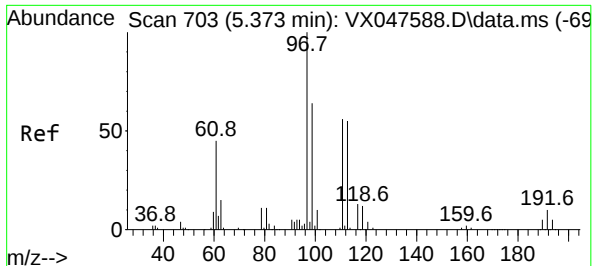
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 16.4 0.0 34.2

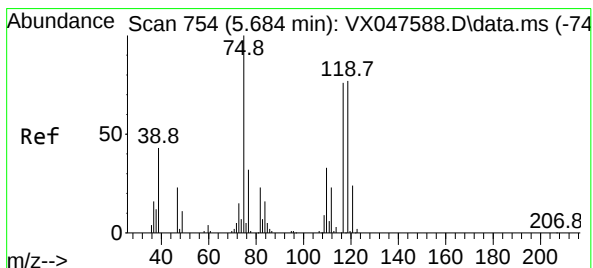
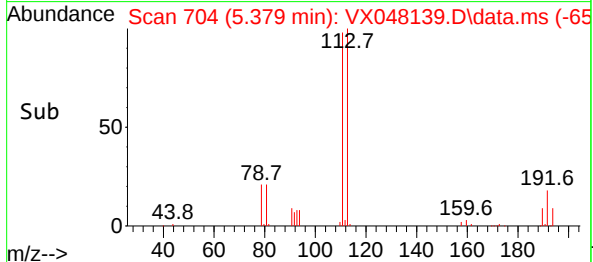
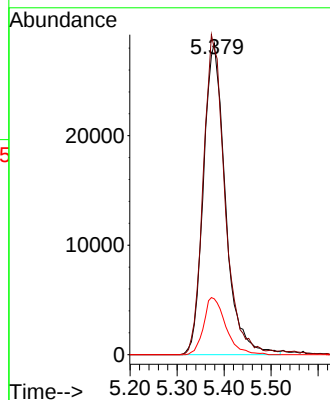
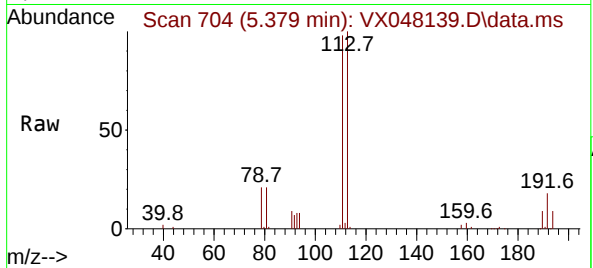




#35
Dibromofluoromethane
Concen: 50.697 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

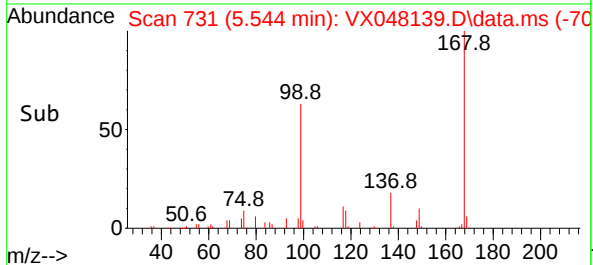
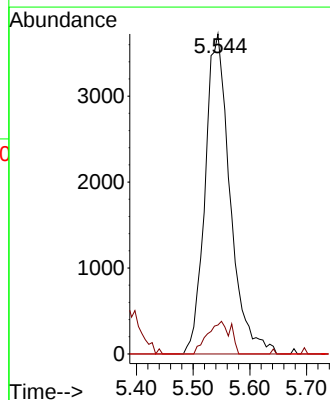
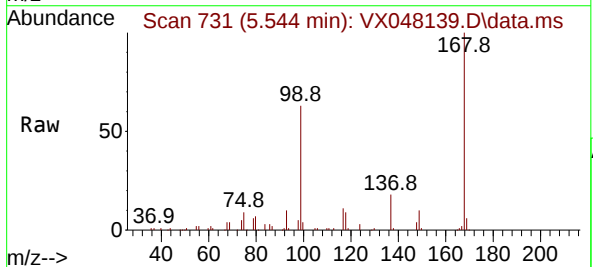
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

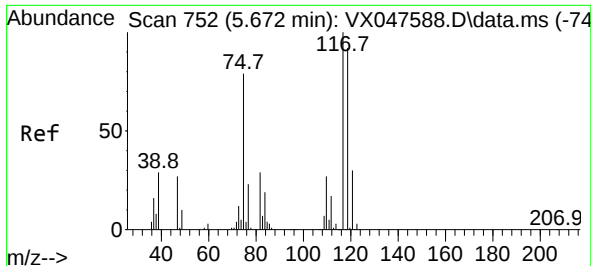
Tgt Ion:113 Resp: 92359
Ion Ratio Lower Upper
113 100
111 101.0 80.9 121.3
192 18.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.282 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 75 Resp: 11400
Ion Ratio Lower Upper
75 100
110 9.4 16.7 50.1#
77 0.0 24.3 36.5#

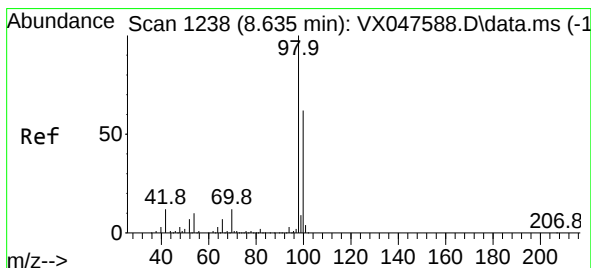
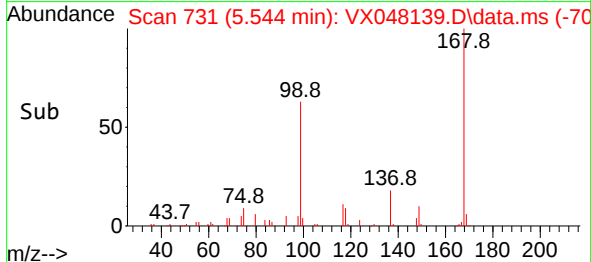
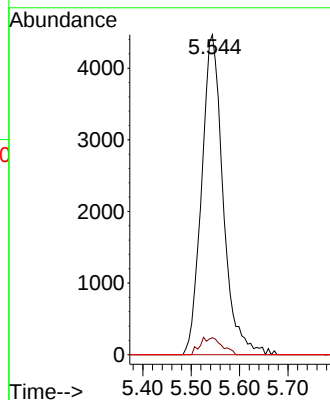
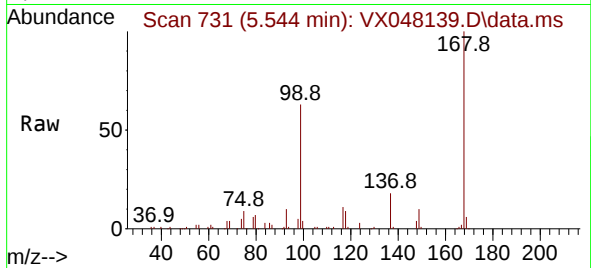




#38
Carbon Tetrachloride
Concen: 4.774 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

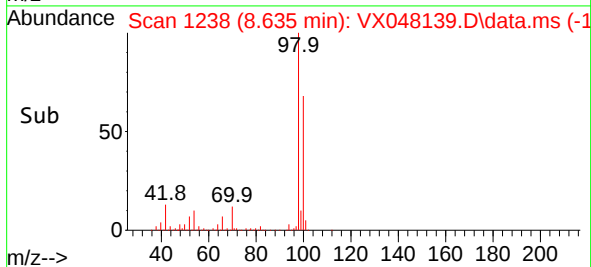
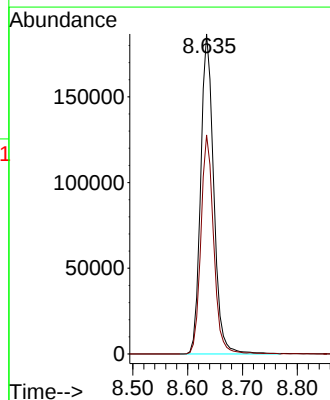
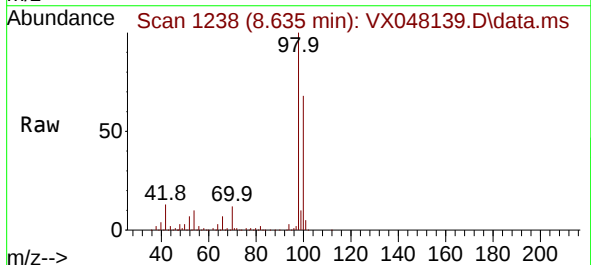
Instrument :
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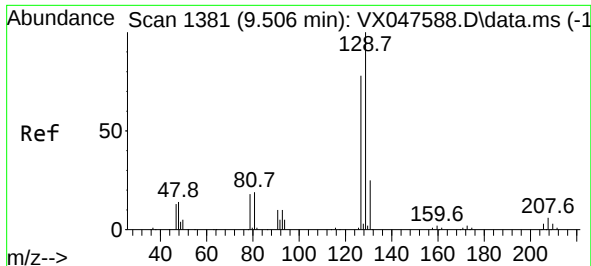
Tgt Ion:117 Resp: 13808
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.986 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 98 Resp: 308796
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4

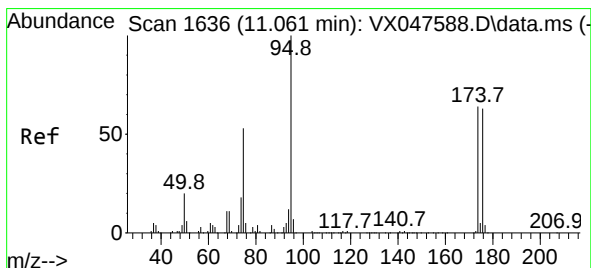
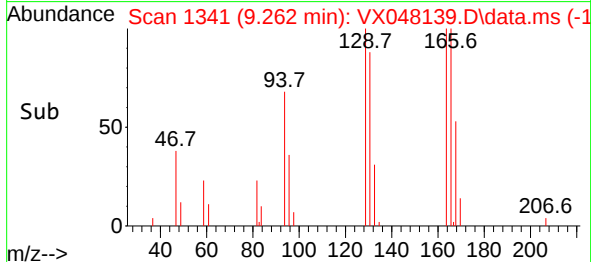
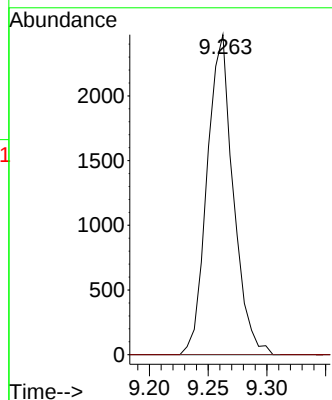
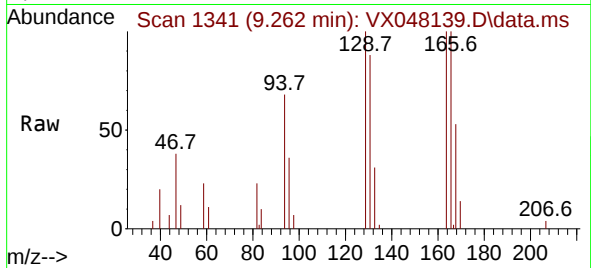




#60
Dibromochloromethane
Concen: 1.730 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

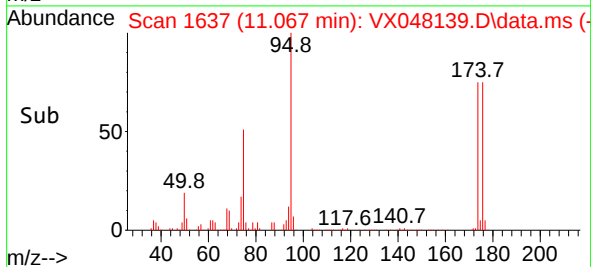
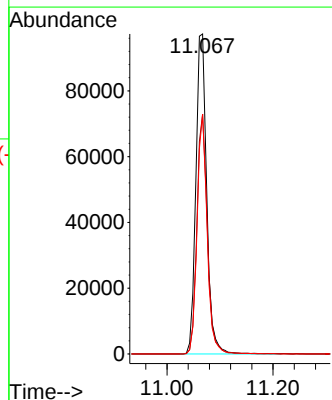
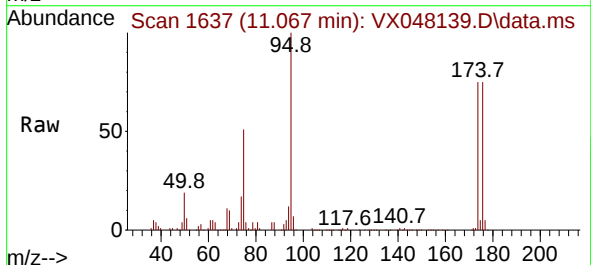
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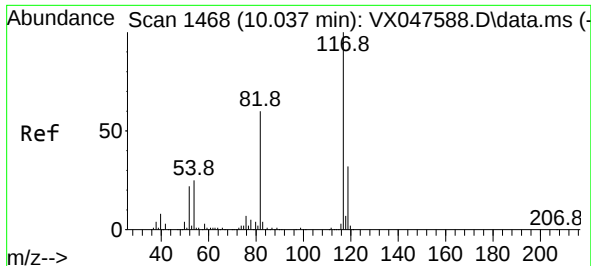
Tgt Ion:129 Resp: 3829
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 57.562 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 95 Resp: 137711
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 69.8 0.0 138.4

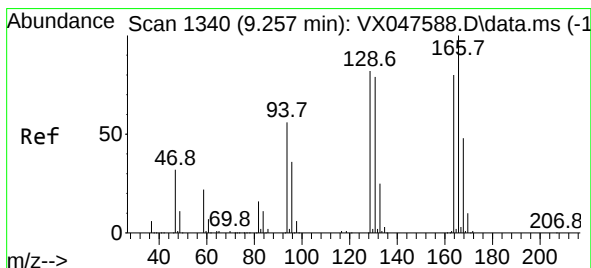
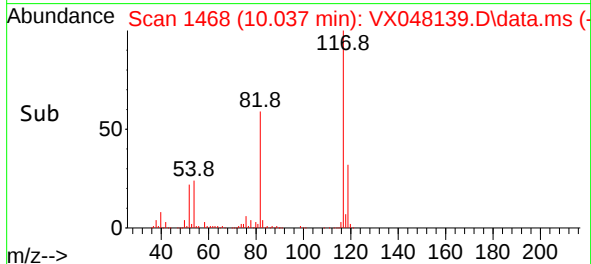
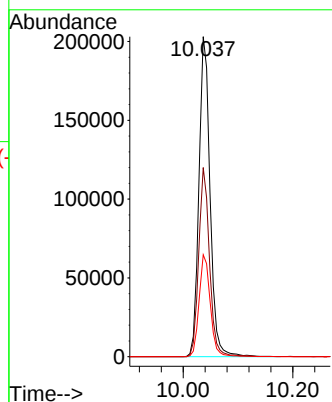
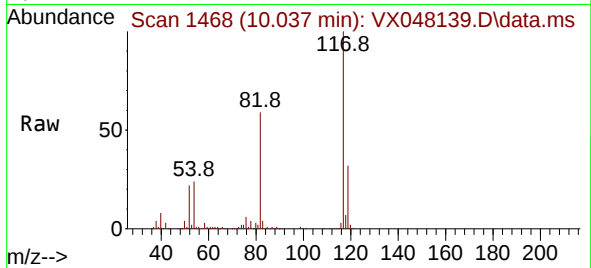




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

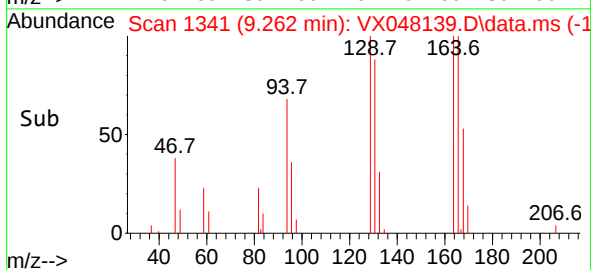
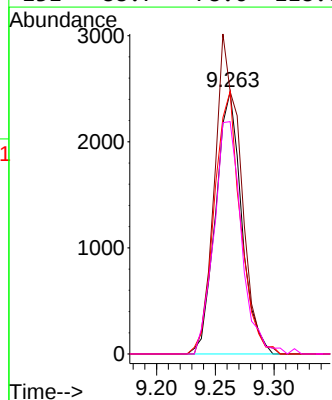
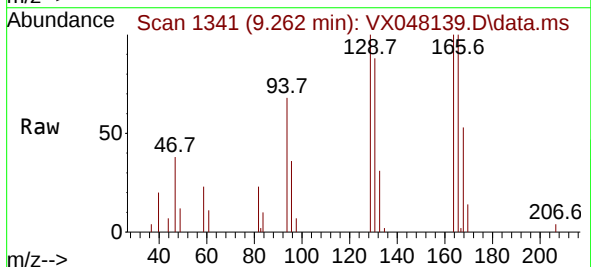
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

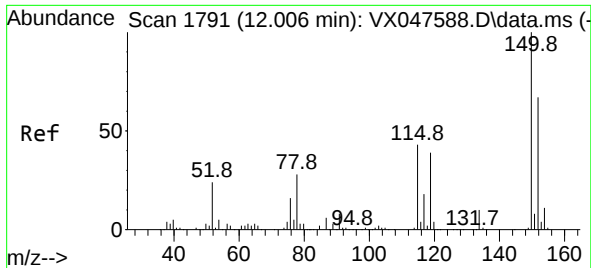
Tgt Ion:117 Resp: 287637
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.6
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 2.022 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion:164 Resp: 3791
Ion Ratio Lower Upper
164 100
166 100.2 100.2 150.2
129 100.2 81.8 122.6
131 88.7 78.6 118.0

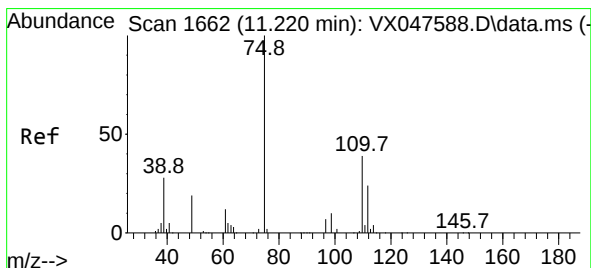
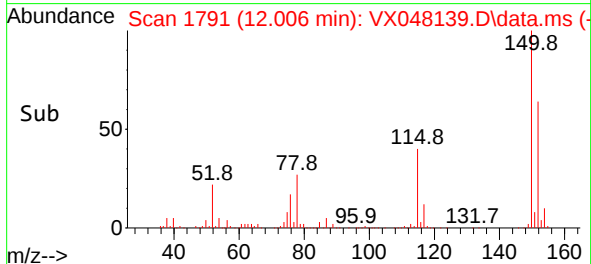
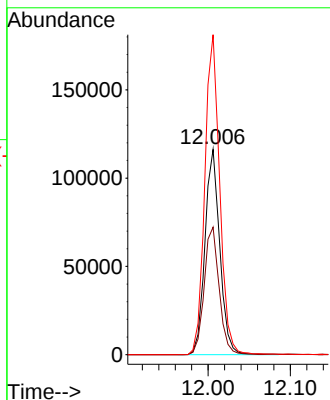
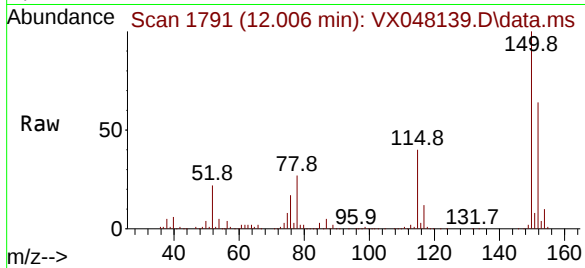




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

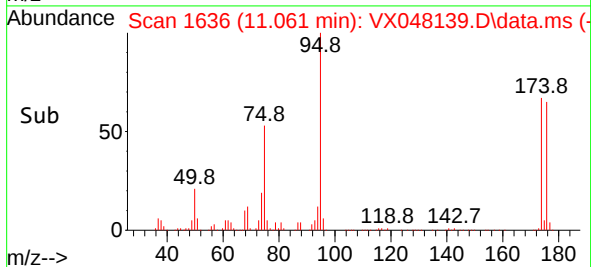
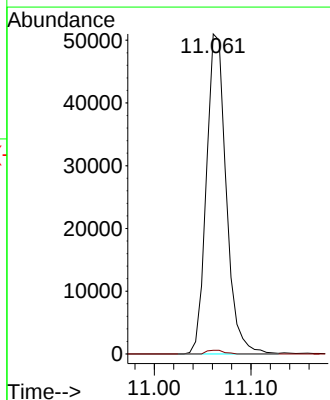
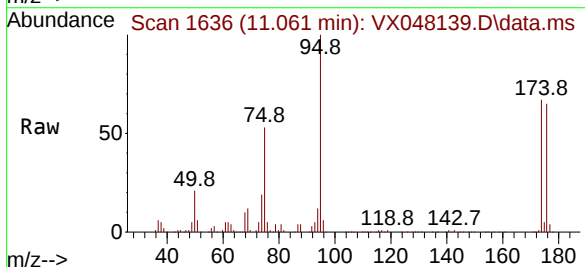
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

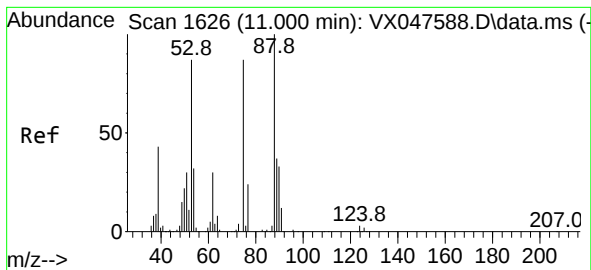
Tgt Ion:152 Resp: 145860
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 157.0 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.531 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048139.D
Acq: 13 Oct 2025 14:08

Tgt Ion: 75 Resp: 72444
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.556 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048139.D
 Acq: 13 Oct 2025 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

Tgt Ion: 75 Resp: 72444
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

