

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048147.D
 Acq On : 13 Oct 2025 16:52
 Operator : JC/MD
 Sample : Q3311-14 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

Quant Time: Oct 14 01:57:38 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)

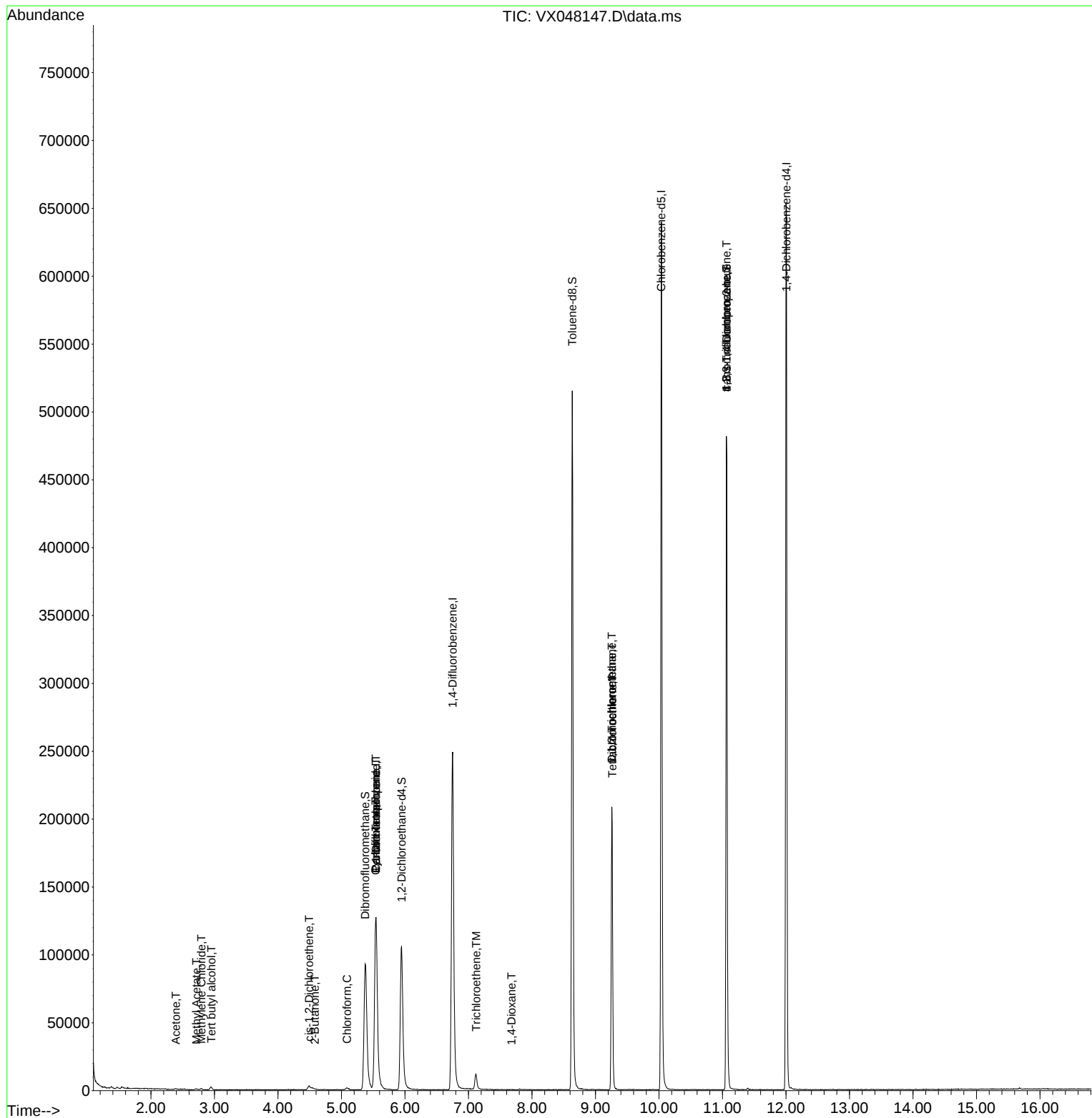
Internal Standards						
1) Pentafluorobenzene	5.544	168	130749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	269860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	284565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114634	55.081	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.160%	
35) Dibromofluoromethane	5.373	113	91897	50.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	8.635	98	310765	49.624	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	11.061	95	136870	57.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	993	4.284	ug/l #	72
16) Acetone	2.392	43	1228	1.357	ug/l #	70
18) Methyl Acetate	2.715	43	1041	0.517	ug/l #	87
20) Methylene Chloride	2.794	84	464	0.242	ug/l #	80
25) 2-Butanone	4.581	43	284	0.252	ug/l #	50
27) cis-1,2-Dichloroethene	4.489	96	2004	0.978	ug/l	82
30) Chloroform	5.087	83	1964	0.589	ug/l	91
31) Cyclohexane	5.538	56	2938	1.068	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	11594	4.384	ug/l #	52
38) Carbon Tetrachloride	5.544	117	13643	4.748	ug/l #	20
44) Trichloroethene	7.123	130	4806	2.475	ug/l	87
49) 1,4-Dioxane	7.678	88	22	0.941	ug/l #	1
55) 1,1,2-Trichloroethane	9.257	97	431	0.226	ug/l #	10
60) Dibromochloromethane	9.257	129	39676	18.046	ug/l #	11
64) Tetrachloroethene	9.263	164	40337	21.744	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	72875	25.629	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	72875	65.358	ug/l #	8

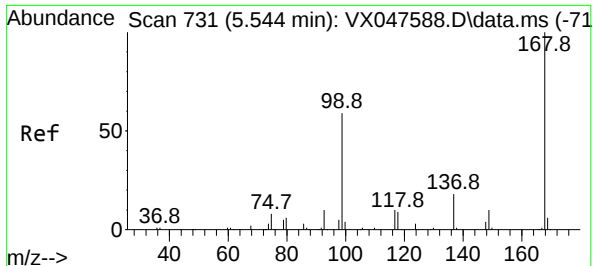
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
Data File : VX048147.D
Acq On : 13 Oct 2025 16:52
Operator : JC/MD
Sample : Q3311-14 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-227B

Quant Time: Oct 14 01:57:38 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

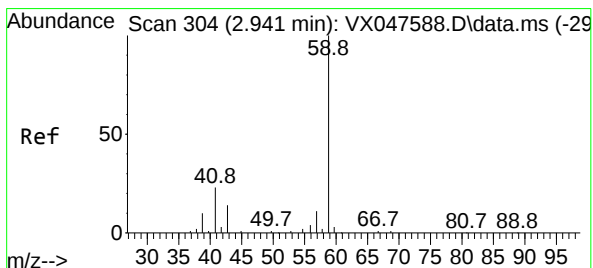
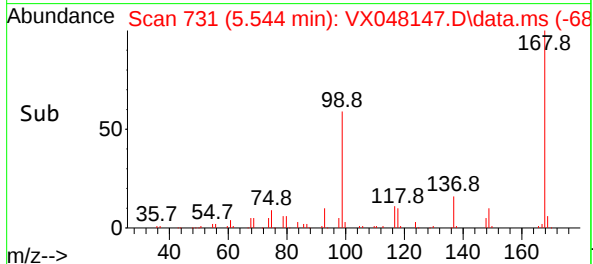
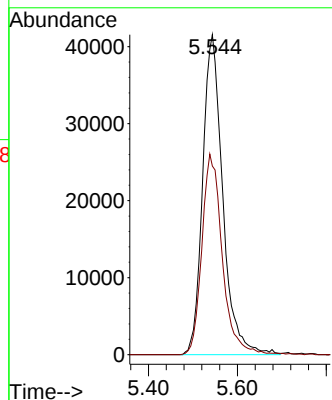
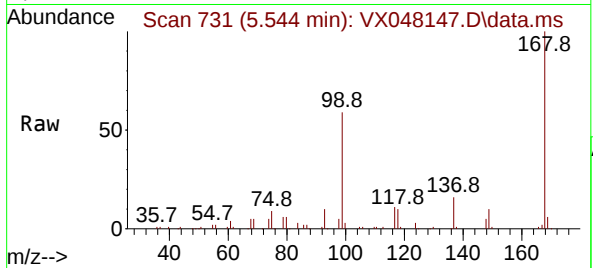




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

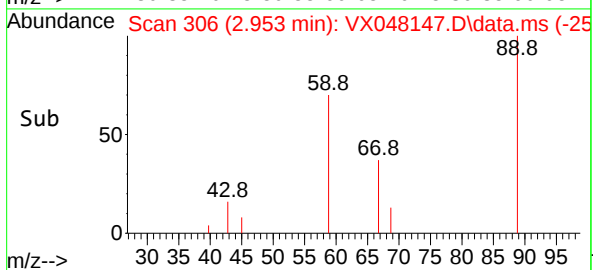
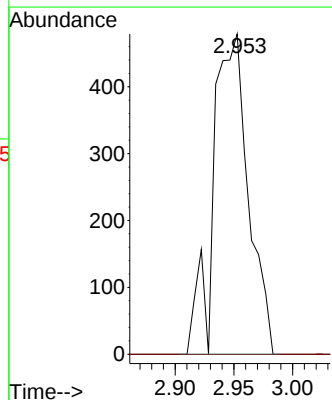
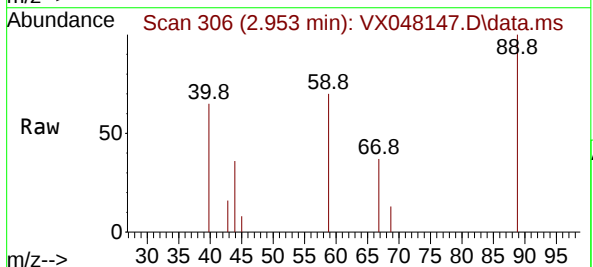
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

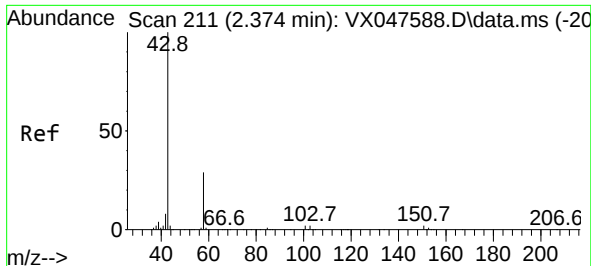
Tgt Ion:168 Resp: 130749
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 4.284 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 59 Resp: 993
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

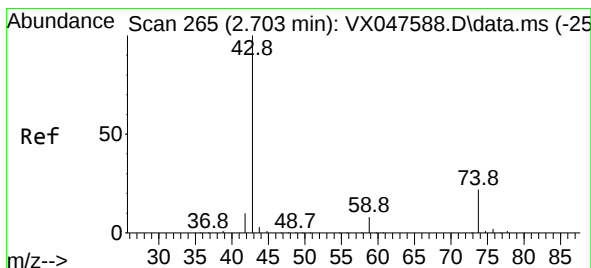
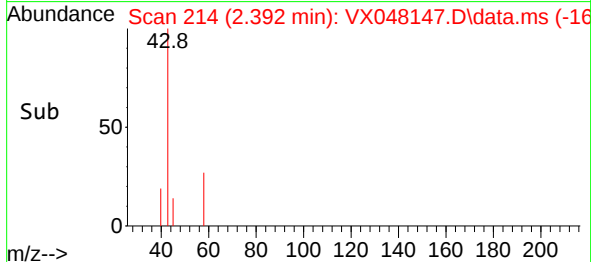
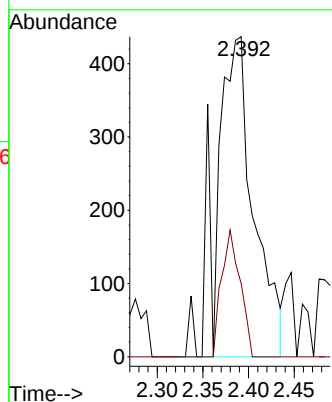
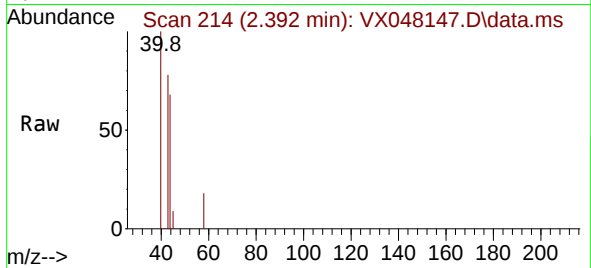




#16
Acetone
Concen: 1.357 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.018 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

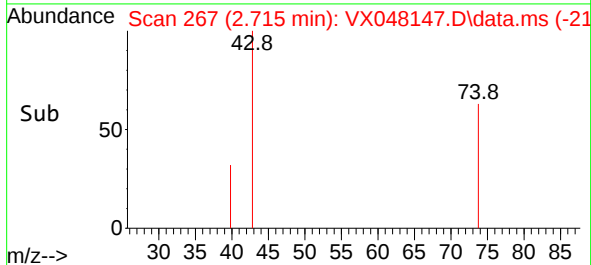
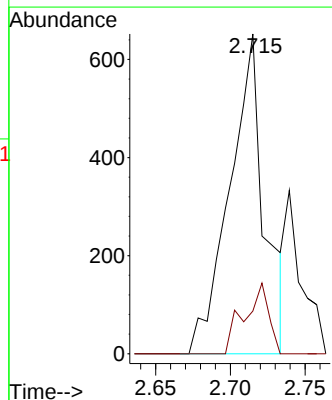
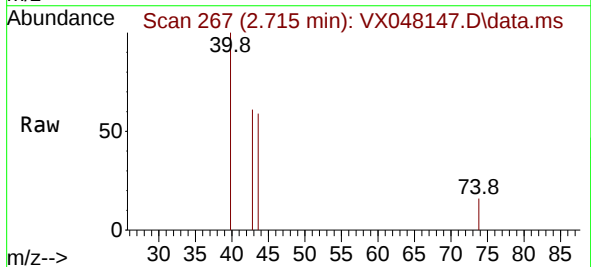
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

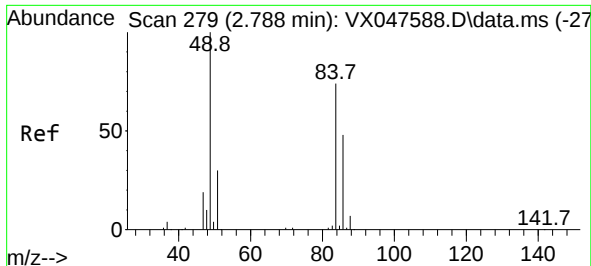
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 13.3 23.4 35.0#



#18
Methyl Acetate
Concen: 0.517 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
74 15.8 17.4 26.2#

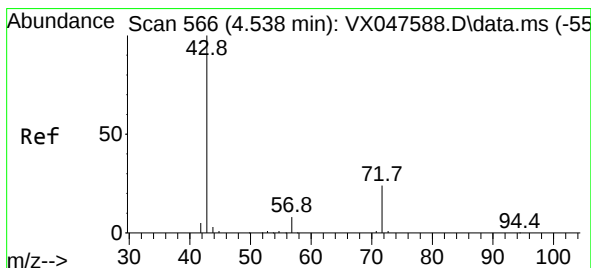
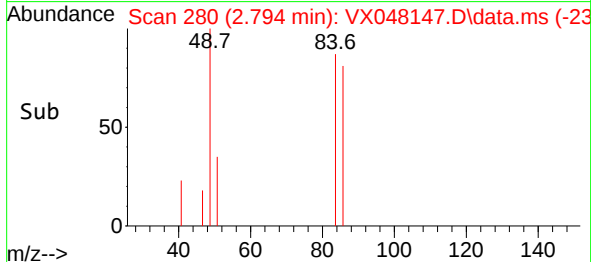
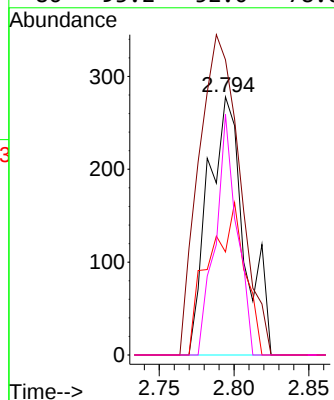
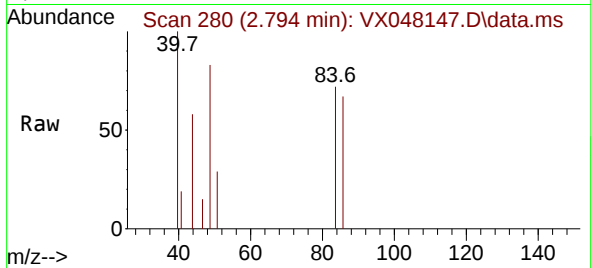




#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

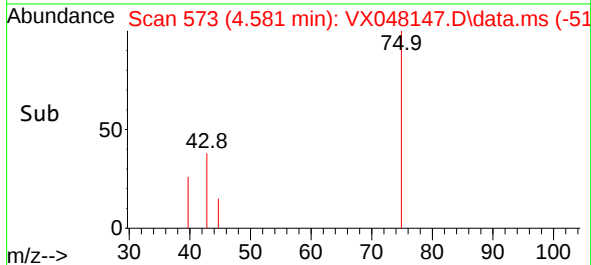
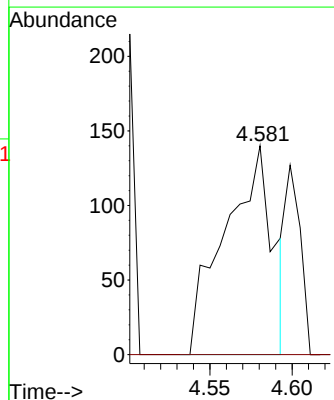
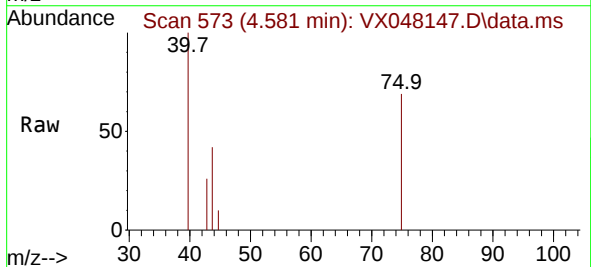
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

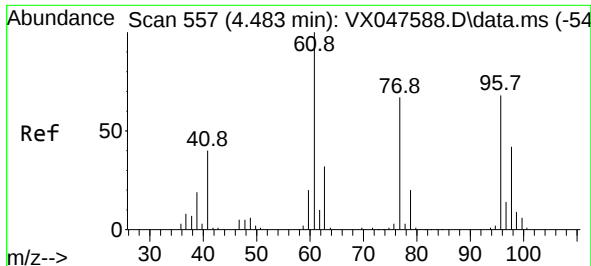
Tgt Ion: 84 Resp: 464
Ion Ratio Lower Upper
84 100
49 114.4 108.6 162.8
51 39.9 32.6 48.8
86 93.2 52.0 78.0#



#25
2-Butanone
Concen: 0.252 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.043 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#





#27

cis-1,2-Dichloroethene

Concen: 0.978 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX048147.D

Acq: 13 Oct 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

MW-227B

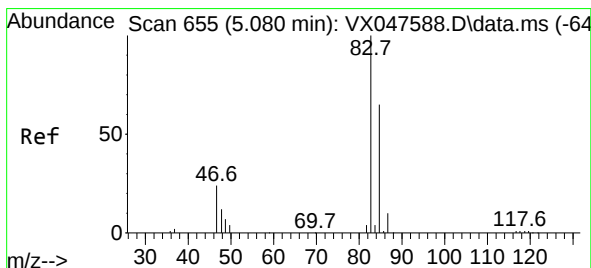
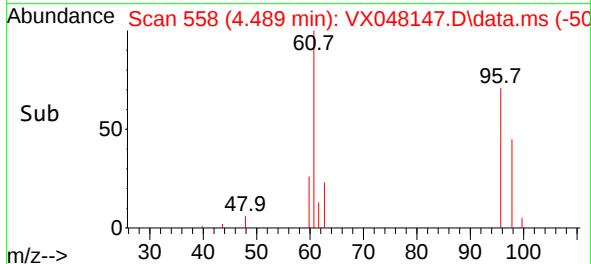
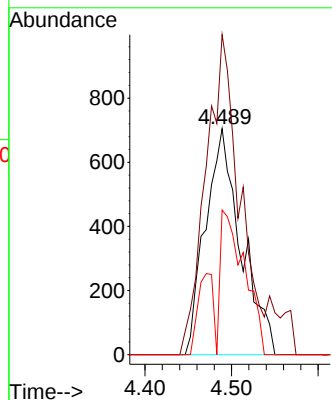
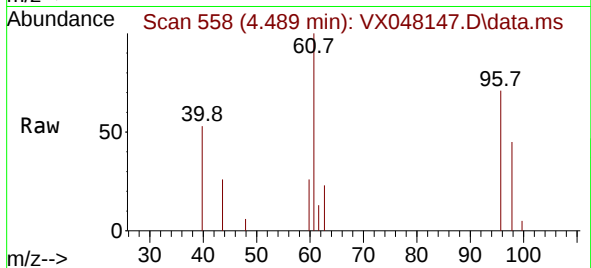
Tgt Ion: 96 Resp: 2004

Ion Ratio Lower Upper

96 100

61 133.7 0.0 303.2

98 43.4 0.0 127.8



#30

Chloroform

Concen: 0.589 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX048147.D

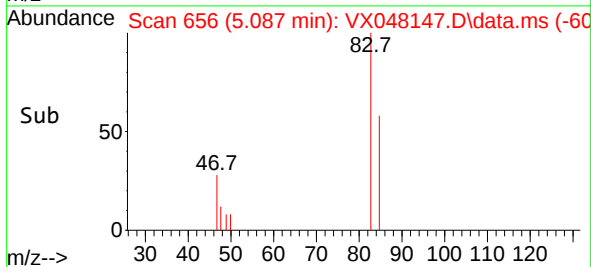
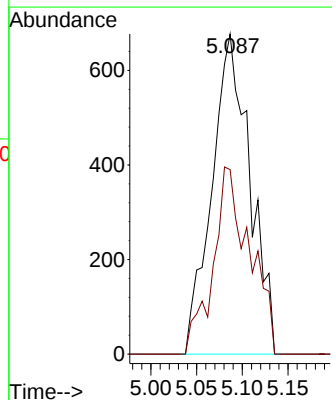
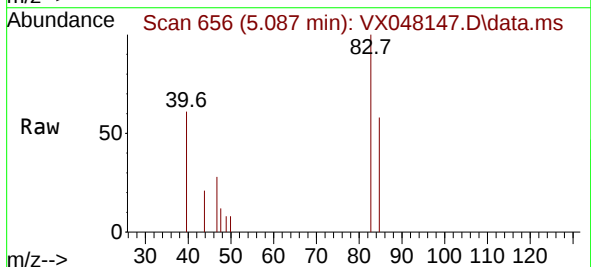
Acq: 13 Oct 2025 16:52

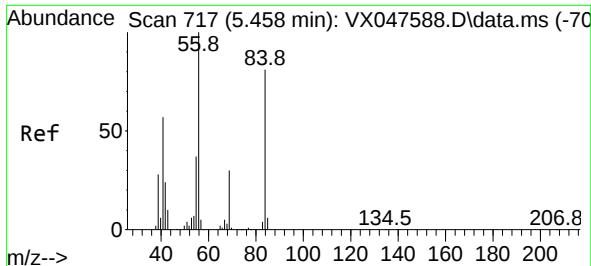
Tgt Ion: 83 Resp: 1964

Ion Ratio Lower Upper

83 100

85 57.6 51.8 77.6

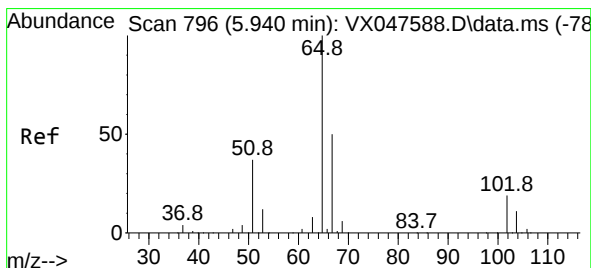
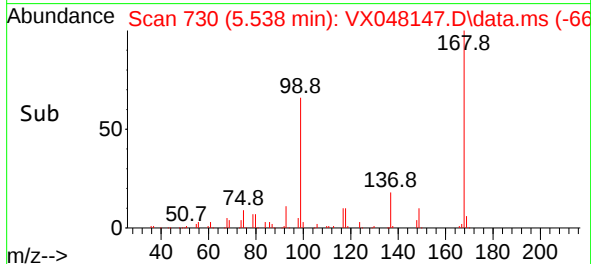
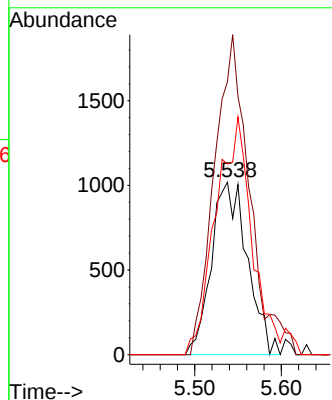
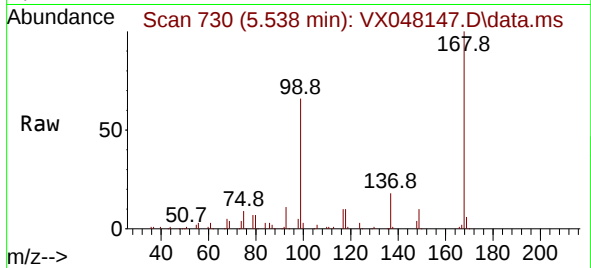




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

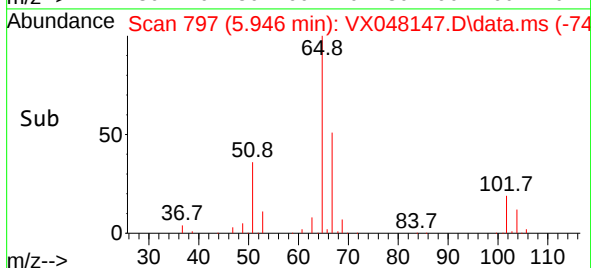
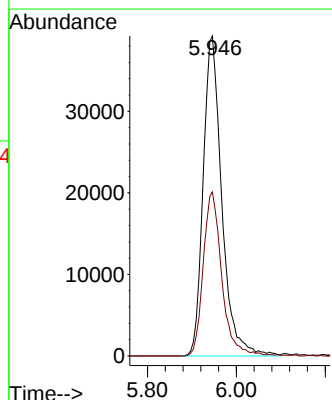
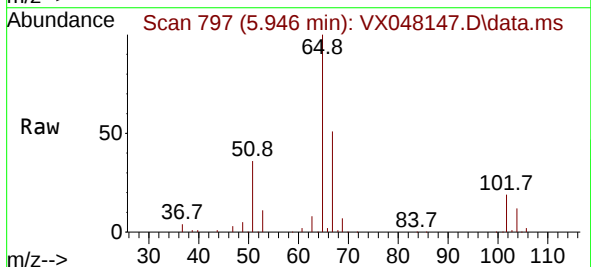
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

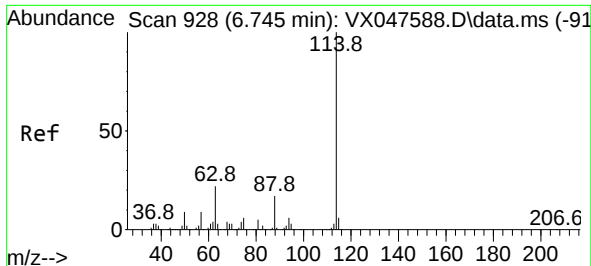
Tgt Ion: 56 Resp: 2938
Ion Ratio Lower Upper
56 100
69 158.1 23.8 35.8#
84 110.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.081 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 65 Resp: 114634
Ion Ratio Lower Upper
65 100
67 51.1 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: VX048147.D

Acq: 13 Oct 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

MW-227B

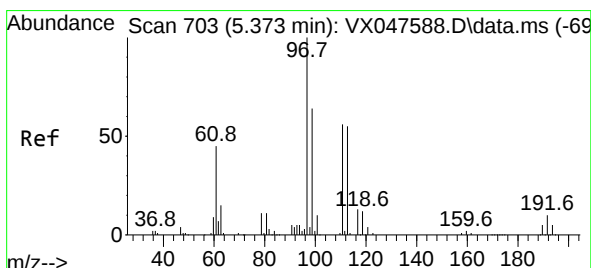
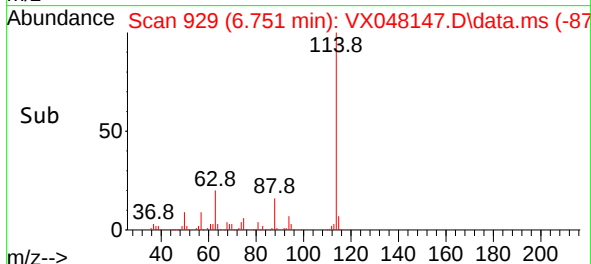
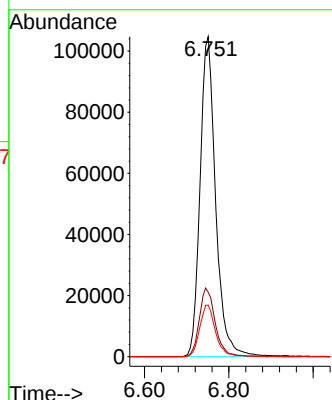
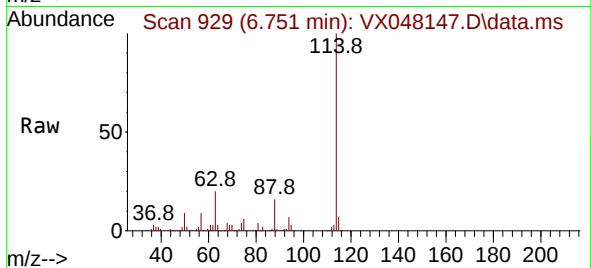
Tgt Ion:114 Resp: 269860

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.0

88 16.1 0.0 34.2



#35

Dibromofluoromethane

Concen: 50.777 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048147.D

Acq: 13 Oct 2025 16:52

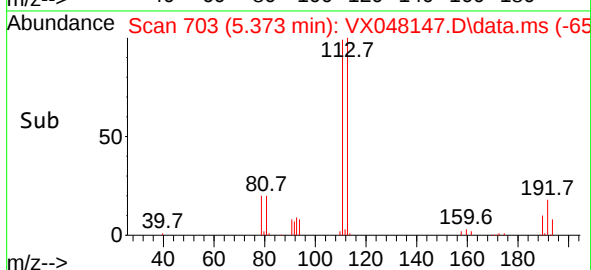
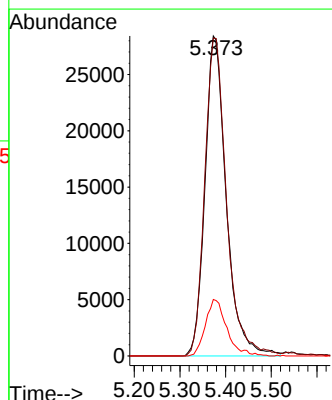
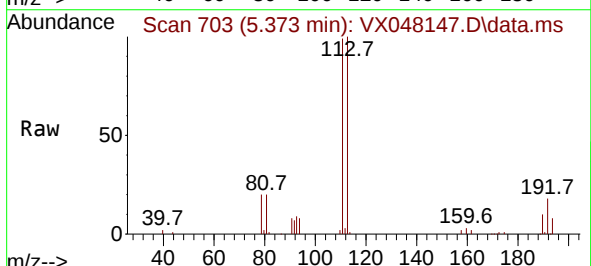
Tgt Ion:113 Resp: 91897

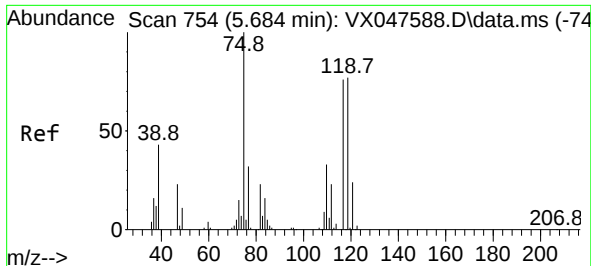
Ion Ratio Lower Upper

113 100

111 101.8 80.9 121.3

192 17.7 14.2 21.4

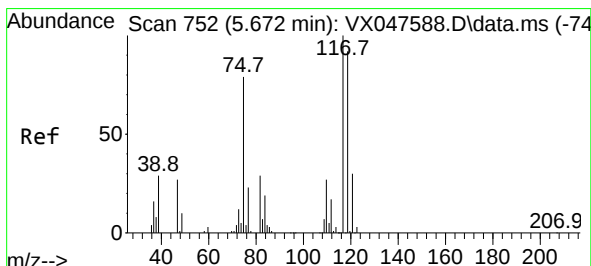
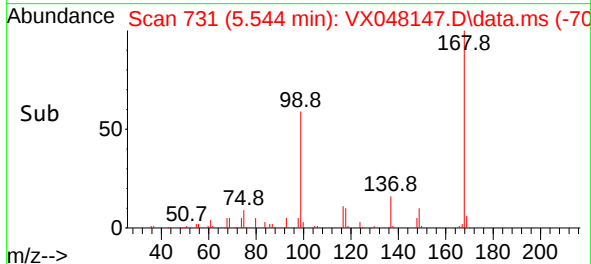
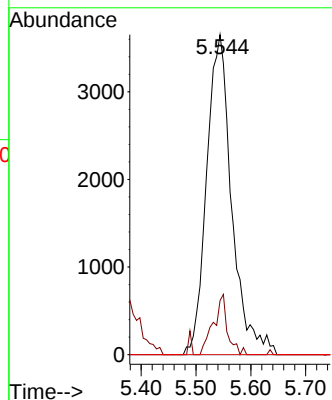
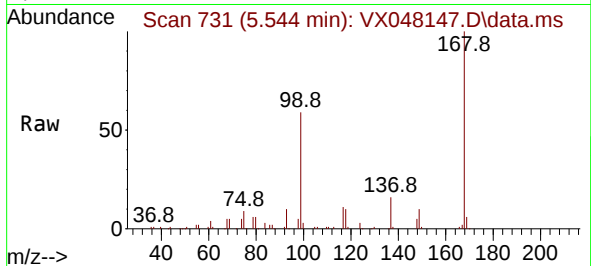




#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

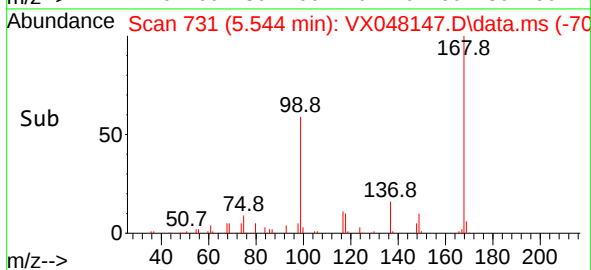
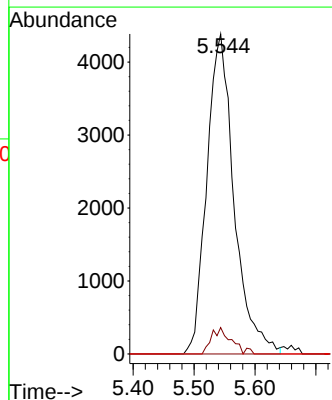
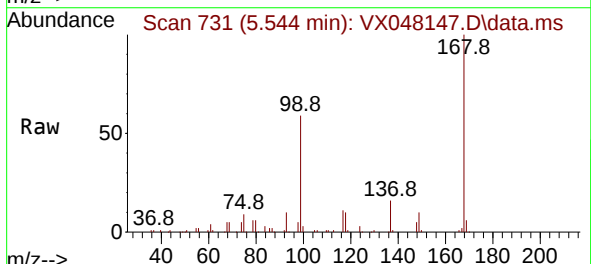
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

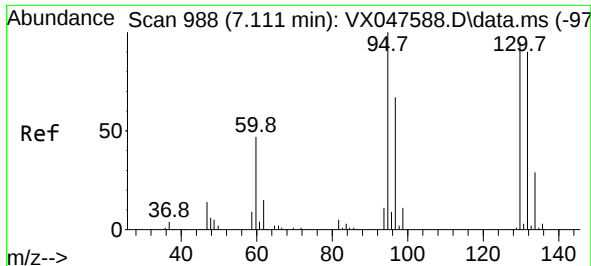
Tgt Ion: 75 Resp: 11594
Ion Ratio Lower Upper
75 100
110 10.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.748 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 117 Resp: 13643
Ion Ratio Lower Upper
117 100
119 8.3 73.4 110.2#
121 0.0 23.8 35.6#

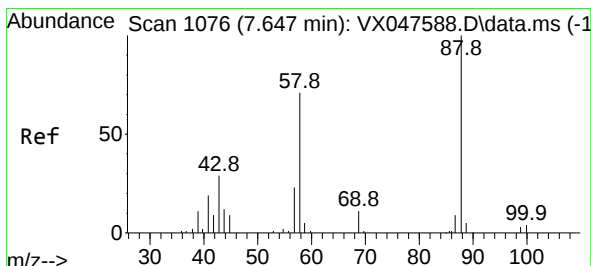
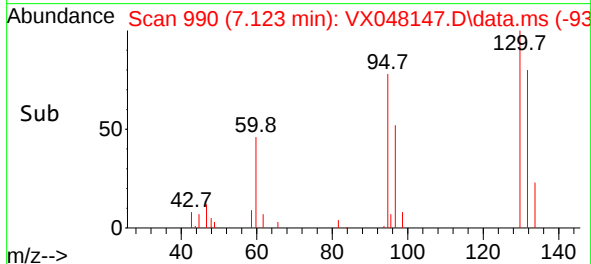
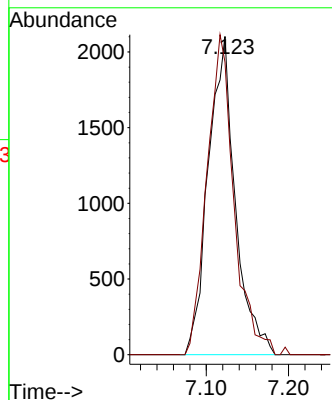
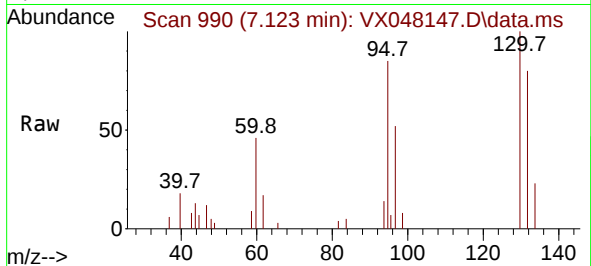




#44
Trichloroethene
Concen: 2.475 ug/l
RT: 7.123 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

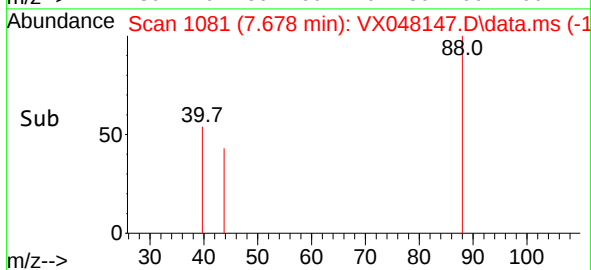
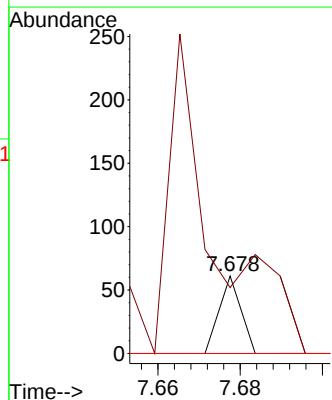
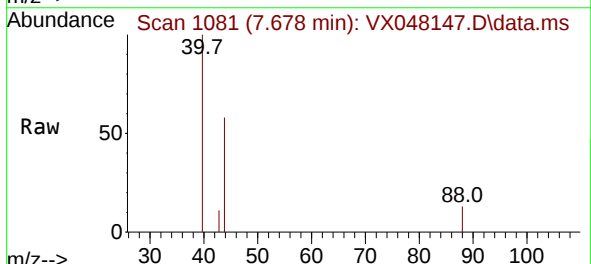
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

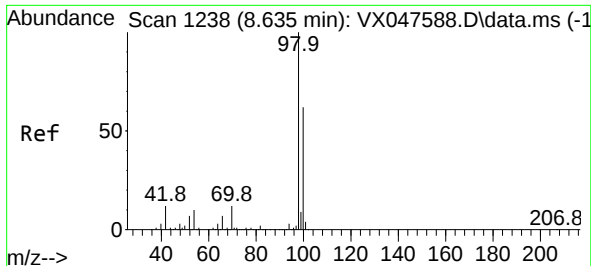
Tgt Ion:130 Resp: 4806
Ion Ratio Lower Upper
130 100
95 91.9 0.0 210.8



#49
1,4-Dioxane
Concen: 0.941 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.030 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 959.1 30.2 45.2#
58 0.0 59.5 89.3#

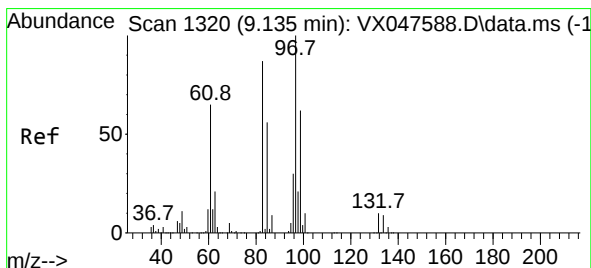
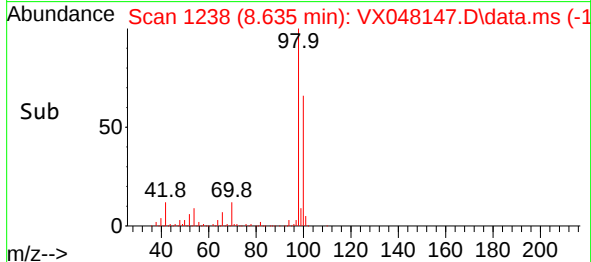
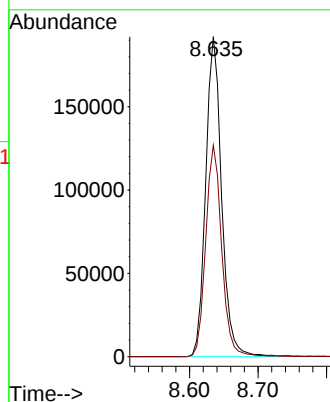
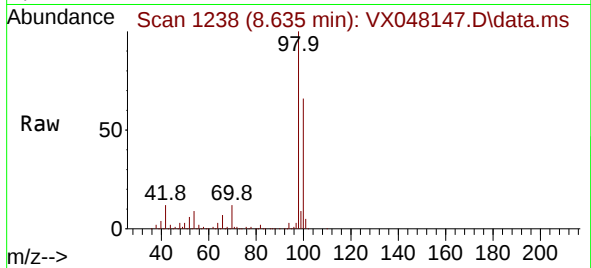




#50
Toluene-d8
Concen: 49.624 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

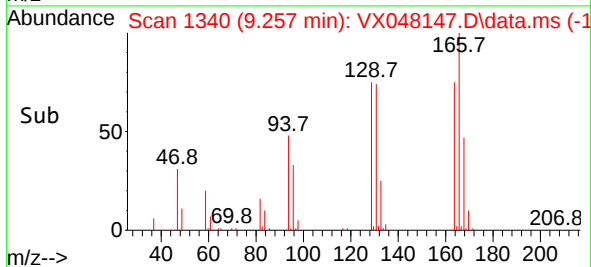
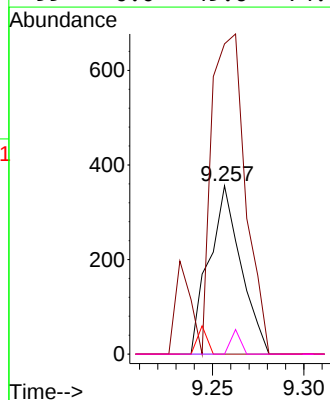
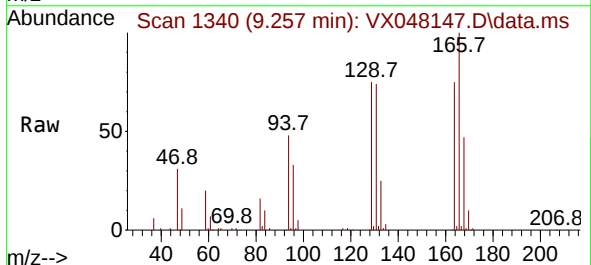
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

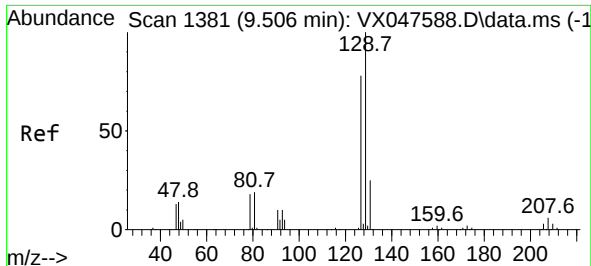
Tgt Ion: 98 Resp: 310765
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.226 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 97 Resp: 431
Ion Ratio Lower Upper
97 100
83 184.3 69.6 104.4#
85 0.0 45.0 67.6#
99 0.0 49.6 74.4#

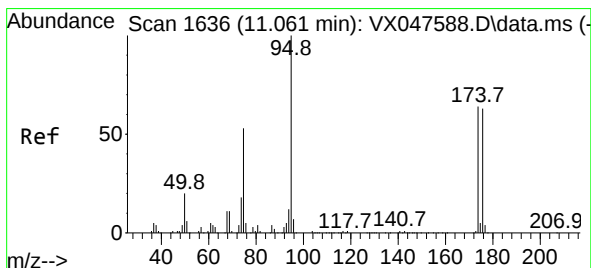
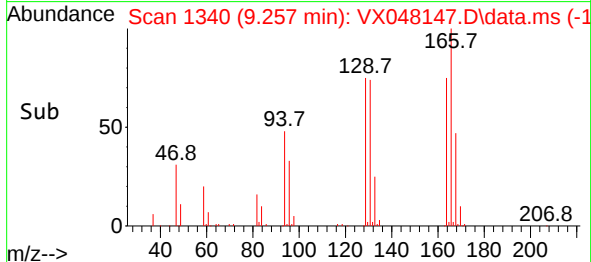
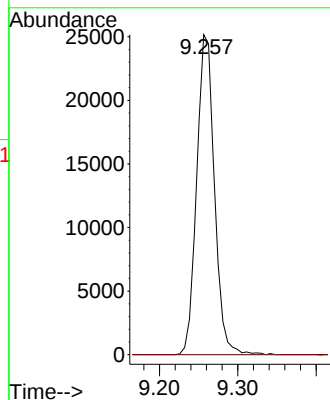
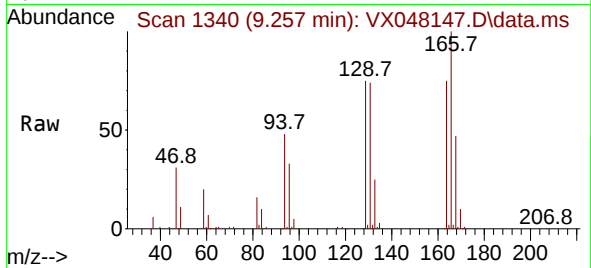




#60
Dibromochloromethane
Concen: 18.046 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

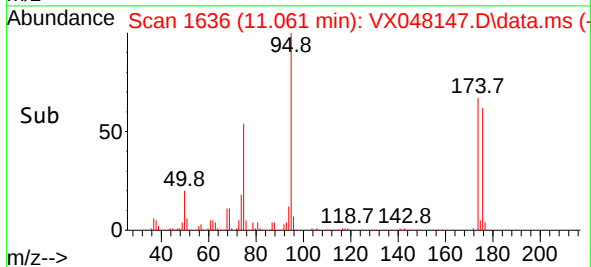
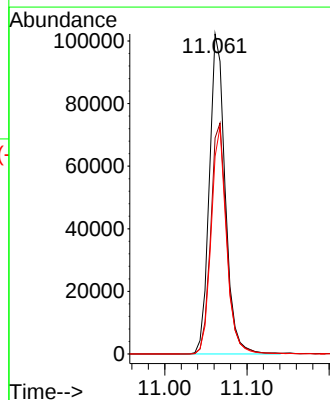
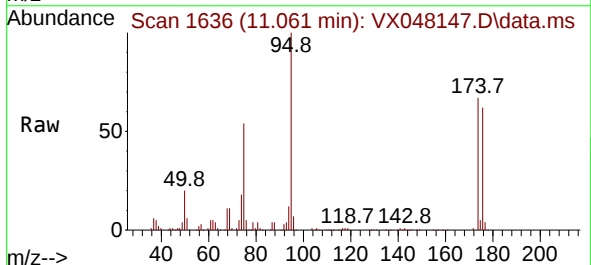
Instrument :
MSVOA_X
ClientSampleId :
MW-227B

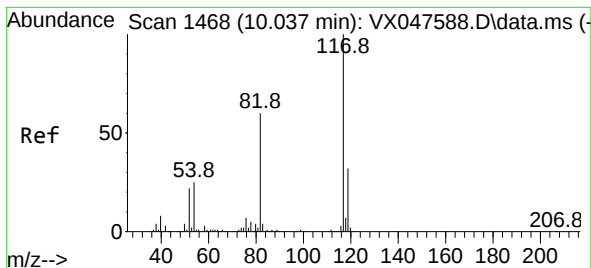
Tgt Ion:129 Resp: 39676
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 57.589 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048147.D
Acq: 13 Oct 2025 16:52

Tgt Ion: 95 Resp: 136870
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 69.1 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: VX048147.D

Acq: 13 Oct 2025 16:52

Instrument :

MSVOA_X

ClientSampleId :

MW-227B

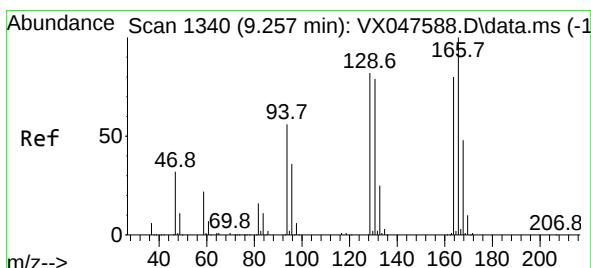
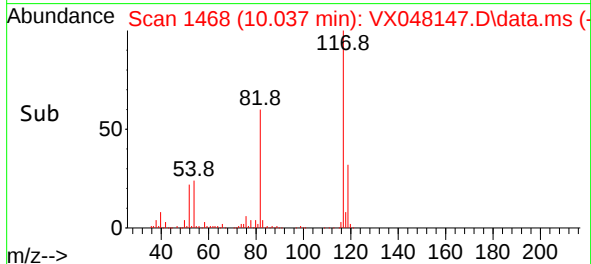
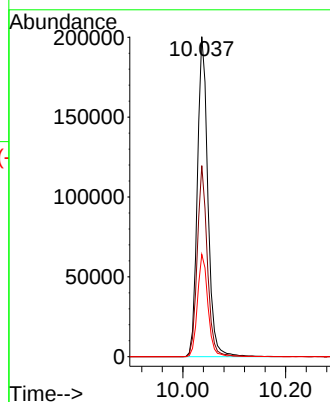
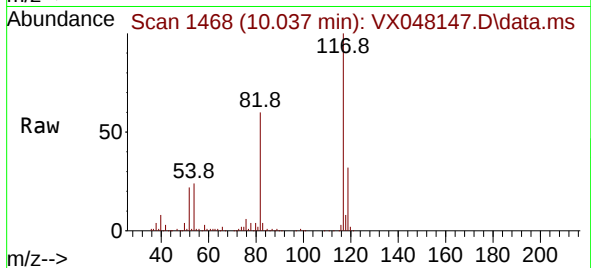
Tgt Ion:117 Resp: 284565

Ion Ratio Lower Upper

117 100

82 59.7 47.8 71.6

119 32.0 25.2 37.8



#64

Tetrachloroethene

Concen: 21.744 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048147.D

Acq: 13 Oct 2025 16:52

Tgt Ion:164 Resp: 40337

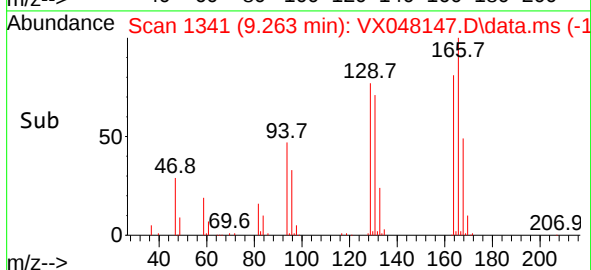
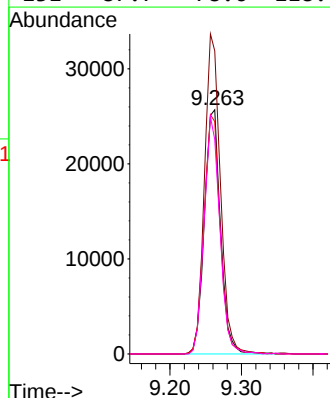
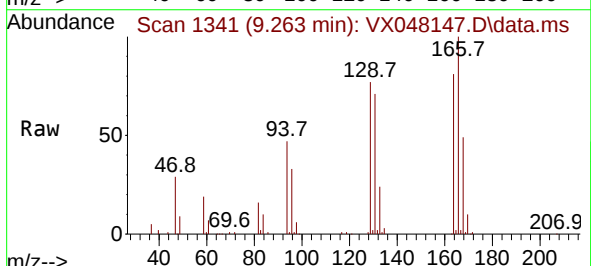
Ion Ratio Lower Upper

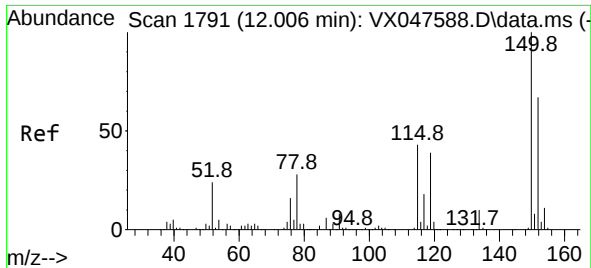
164 100

166 124.2 100.2 150.2

129 95.1 81.8 122.6

131 87.7 78.6 118.0

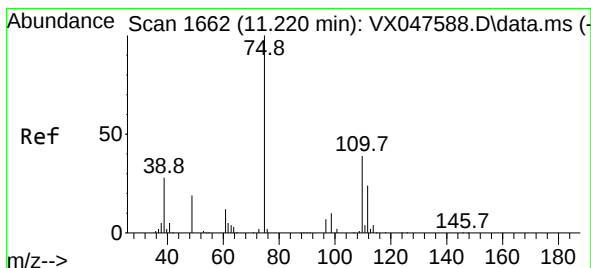
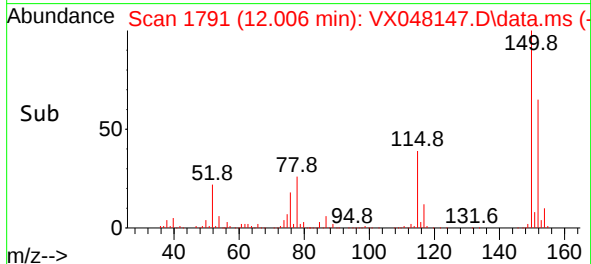
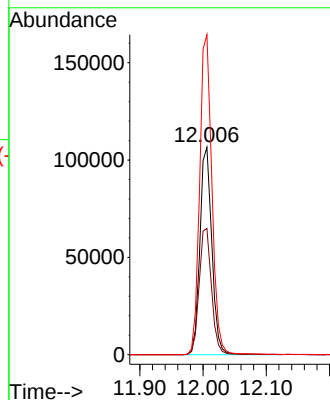
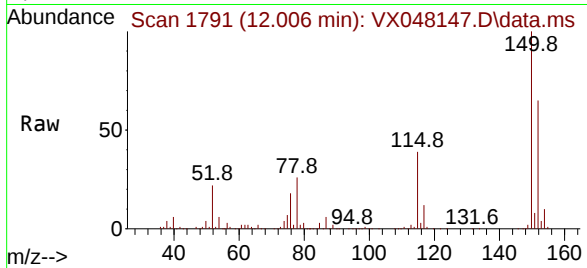




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048147.D
 Acq: 13 Oct 2025 16:52

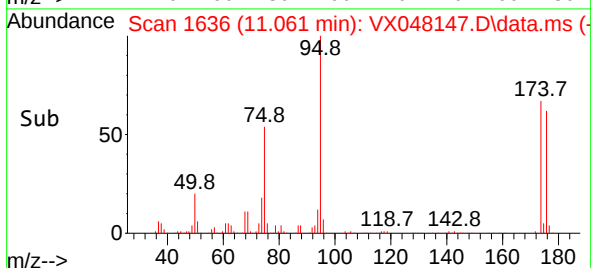
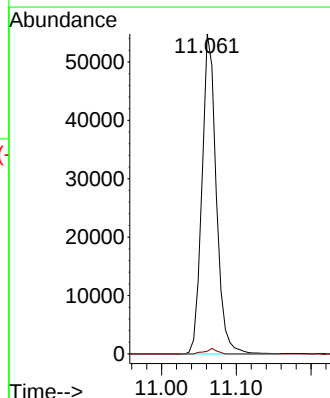
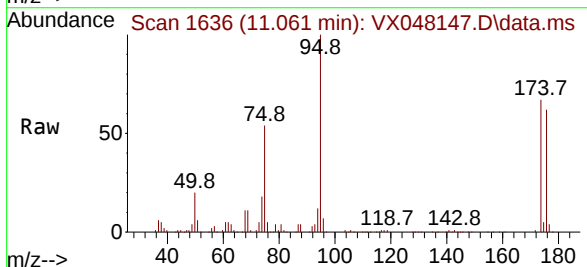
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

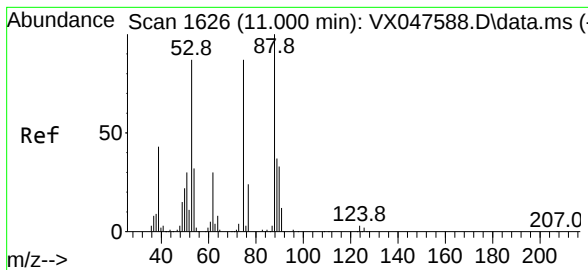
Tgt Ion:152 Resp: 140438
 Ion Ratio Lower Upper
 152 100
 115 62.9 44.9 134.5
 150 157.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 25.629 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048147.D
 Acq: 13 Oct 2025 16:52

Tgt Ion: 75 Resp: 72875
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.358 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048147.D
 Acq: 13 Oct 2025 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-227B

Tgt Ion: 75 Resp: 72875
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

