

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048085.D
 Acq On : 09 Oct 2025 14:41
 Operator : JC/MD
 Sample : Q3311-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101S

Quant Time: Oct 10 01:25:07 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)

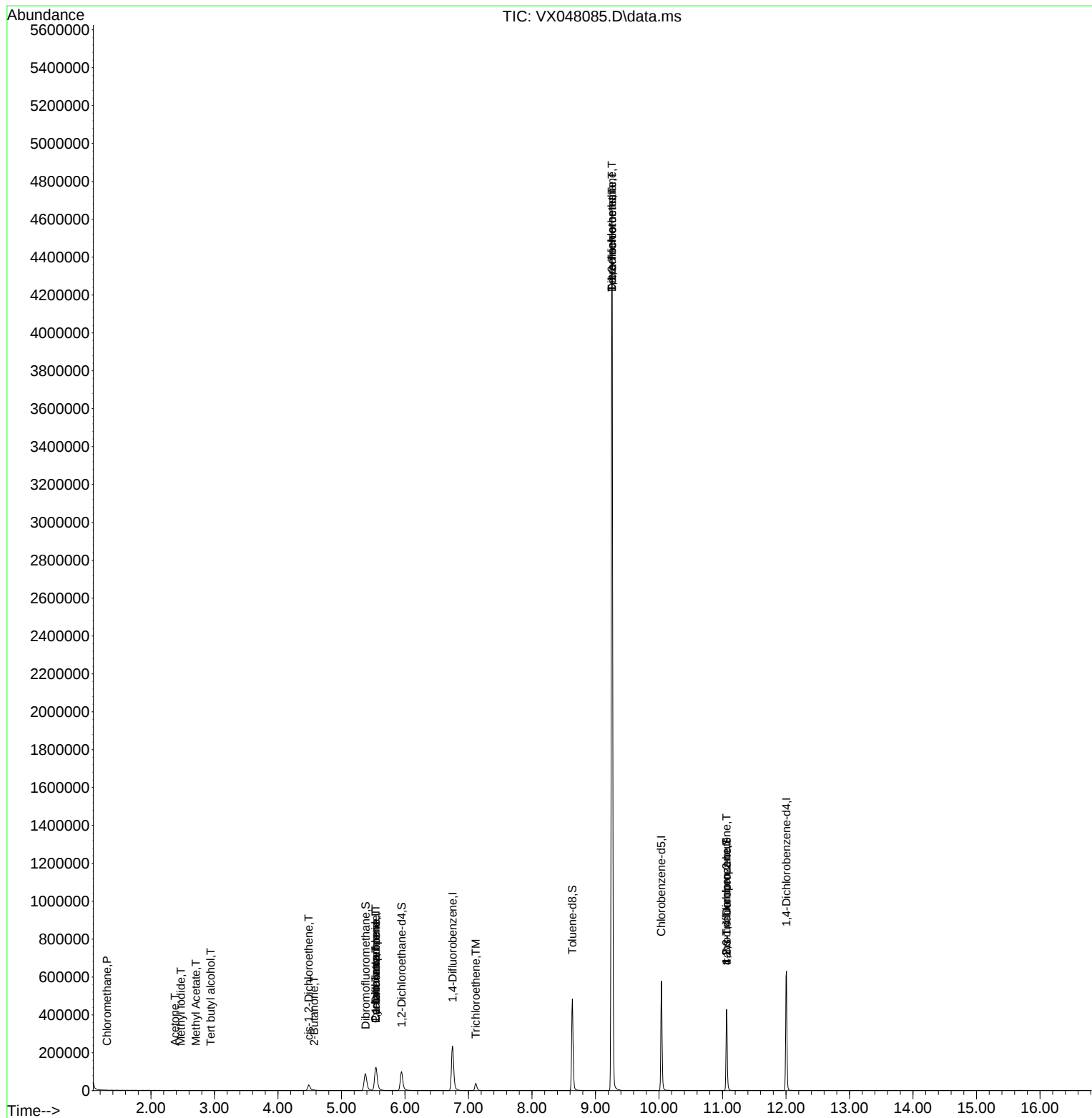
Internal Standards						
1) Pentafluorobenzene	5.544	168	123020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	255257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108754	55.539	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 111.080%		
35) Dibromofluoromethane	5.379	113	86859	50.739	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.480%		
50) Toluene-d8	8.635	98	294044	49.640	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.280%		
62) 4-Bromofluorobenzene	11.061	95	124713	55.476	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	651	0.389	ug/l	90
10) Methyl Iodide	2.471	142	500	0.225	ug/l #	88
11) Tert butyl alcohol	2.941	59	385	1.765	ug/l #	72
16) Acetone	2.380	43	1763	2.071	ug/l	90
18) Methyl Acetate	2.709	43	498	0.263	ug/l #	54
25) 2-Butanone	4.568	43	5416	5.100	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	20366	10.568	ug/l	88
31) Cyclohexane	5.538	56	2782	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10868	4.345	ug/l #	50
38) Carbon Tetrachloride	5.538	117	13620	5.011	ug/l #	18
44) Trichloroethene	7.117	130	16310	8.879	ug/l	96
55) 1,1,2-Trichloroethane	9.257	97	8092	4.483	ug/l #	1
60) Dibromochloromethane	9.257	129	895215	430.458	ug/l #	11
64) Tetrachloroethene	9.257	164	902554	534.613	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	65854	24.594	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	65854	62.719	ug/l #	8

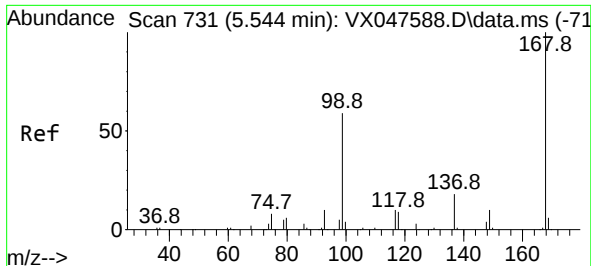
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
Data File : VX048085.D
Acq On : 09 Oct 2025 14:41
Operator : JC/MD
Sample : Q3311-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-101S

Quant Time: Oct 10 01:25:07 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

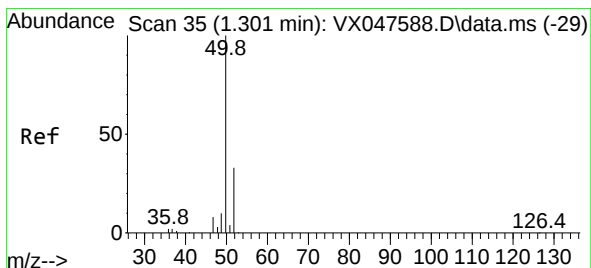
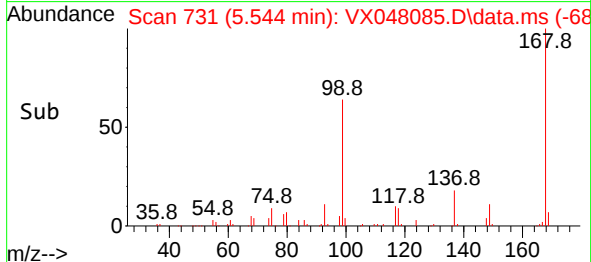
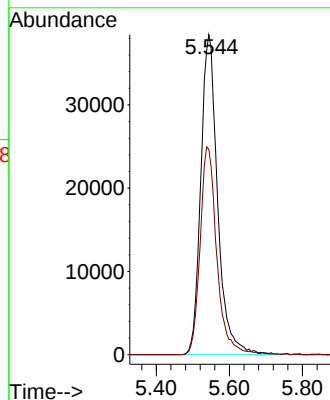
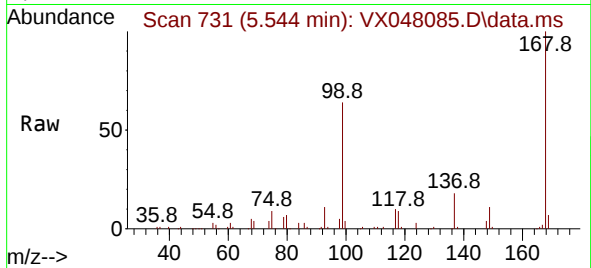




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

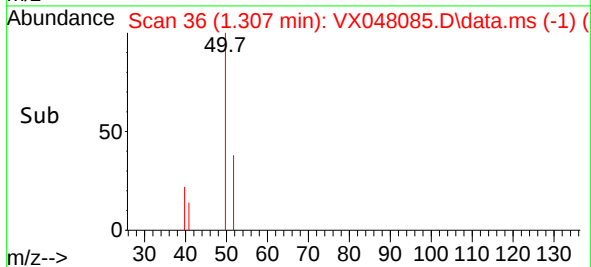
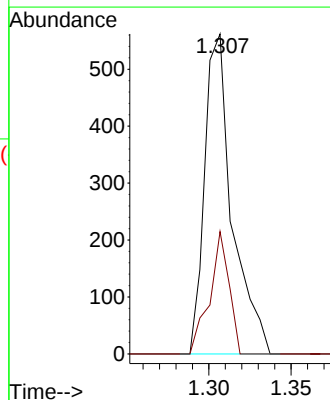
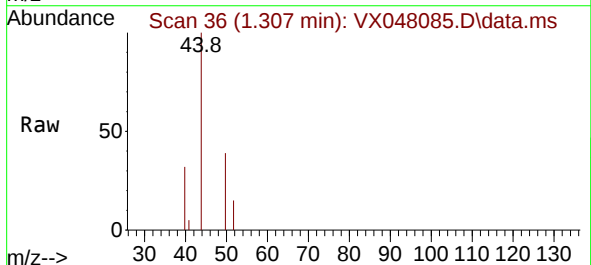
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

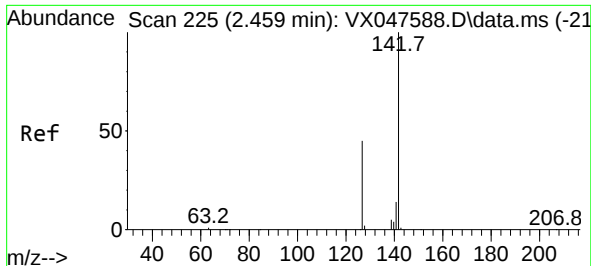
Tgt Ion:168 Resp: 123020
Ion Ratio Lower Upper
168 100
99 64.2 48.8 73.2



#3
Chloromethane
Concen: 0.389 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

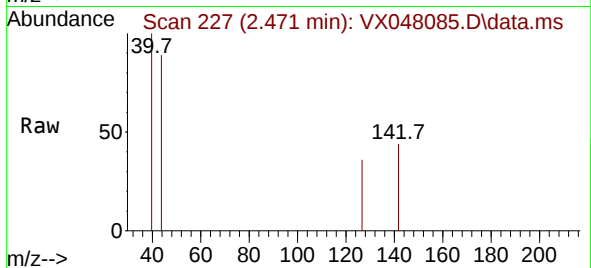
Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 38.3 26.1 39.1



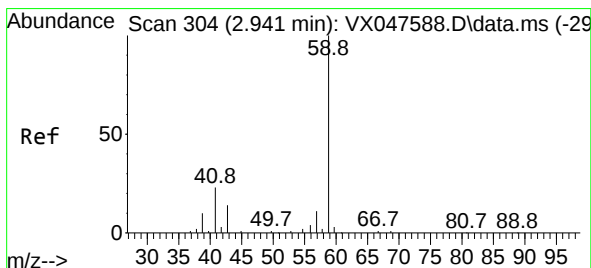
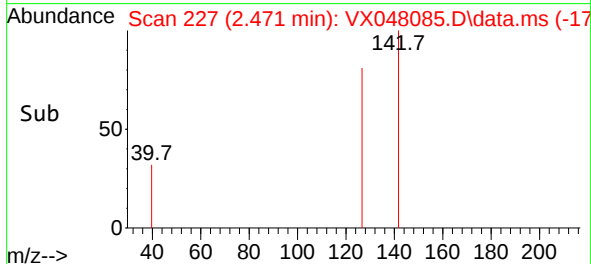
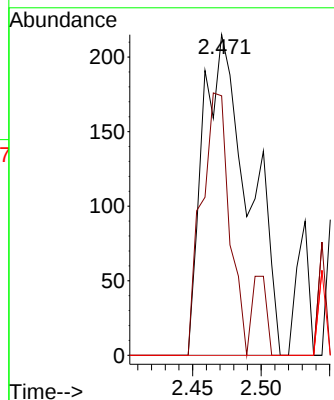


#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Instrument :
MSVOA_X
ClientSampleId :
MW-101S

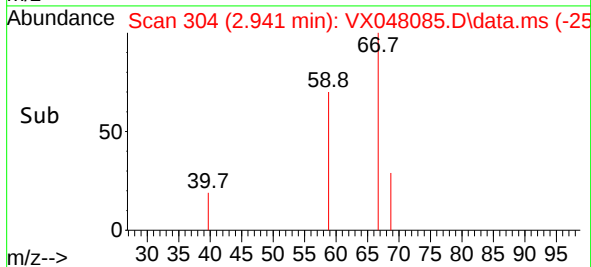
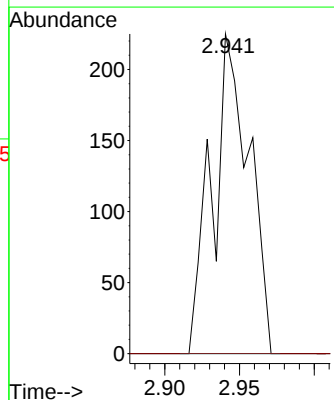
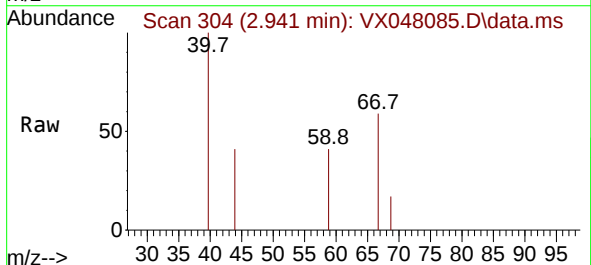


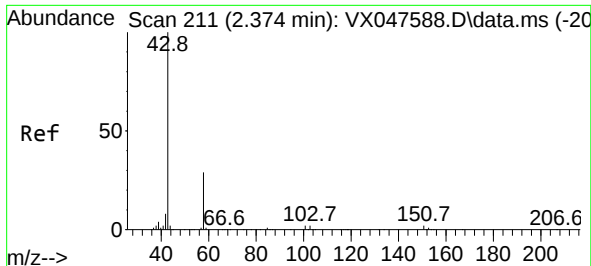
Tgt Ion:142 Resp: 500
Ion Ratio Lower Upper
142 100
127 49.8 37.2 55.8
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.765 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

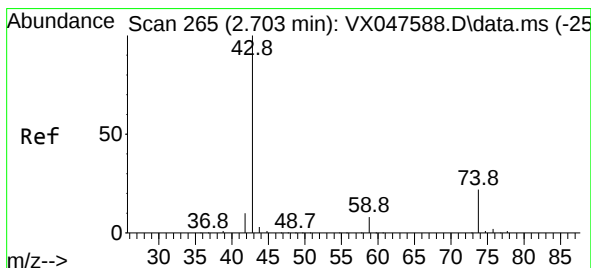
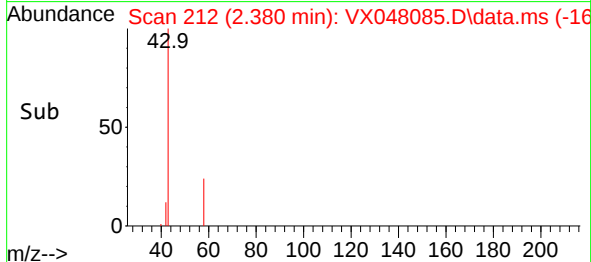
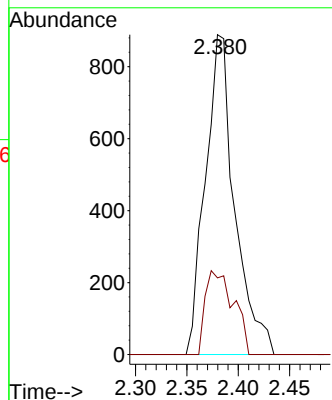
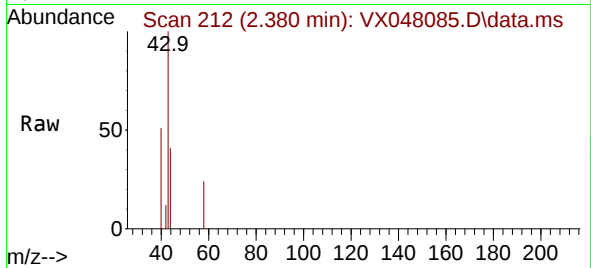




#16
Acetone
Concen: 2.071 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

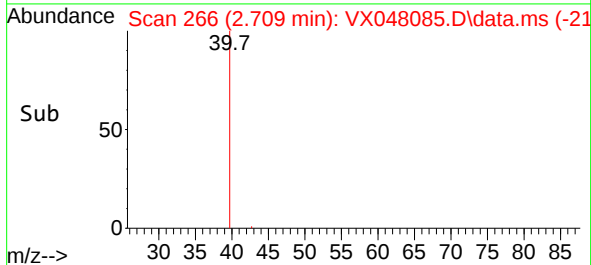
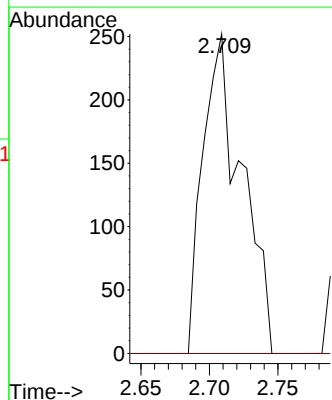
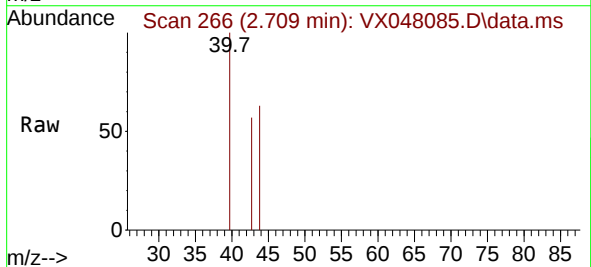
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

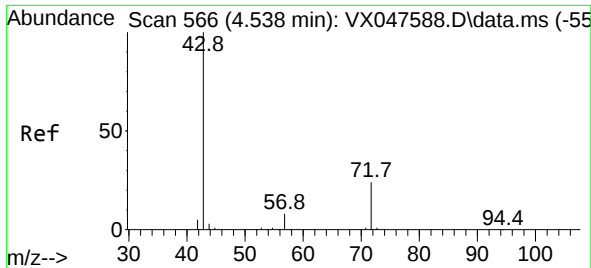
Tgt Ion: 43 Resp: 1763
Ion Ratio Lower Upper
43 100
58 24.0 23.4 35.0



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

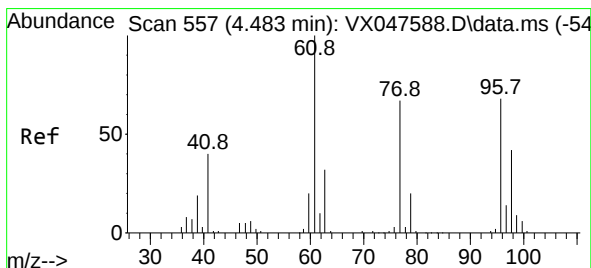
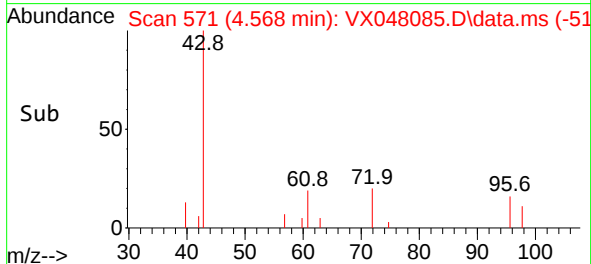
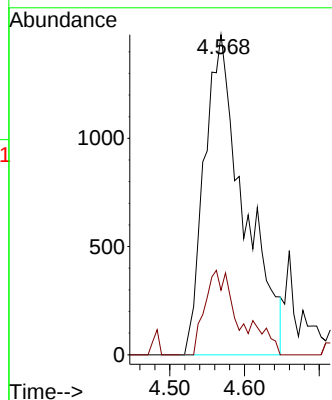
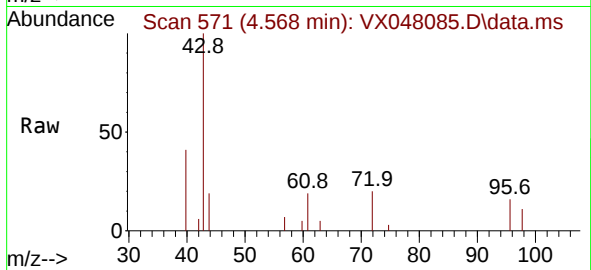




#25
2-Butanone
Concen: 5.100 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

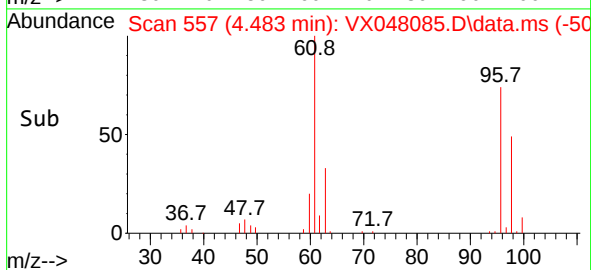
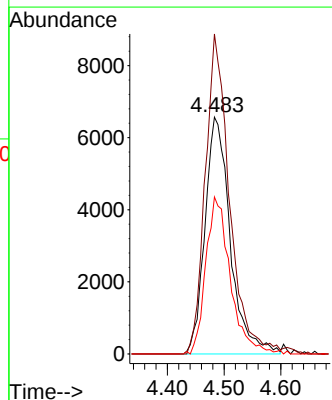
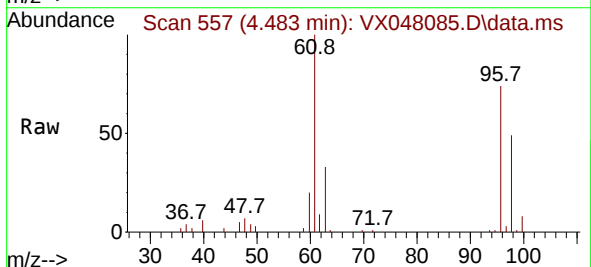
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

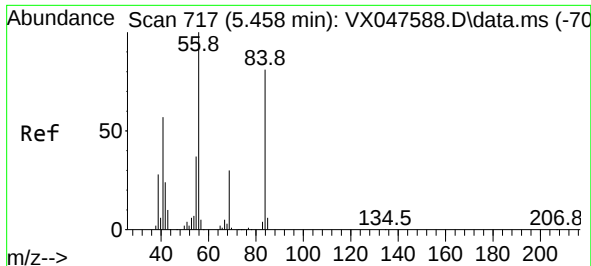
Tgt Ion: 43 Resp: 5416
Ion Ratio Lower Upper
43 100
72 20.1 20.1 30.1



#27
cis-1,2-Dichloroethene
Concen: 10.568 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 96 Resp: 20366
Ion Ratio Lower Upper
96 100
61 129.5 0.0 303.2
98 64.2 0.0 127.8

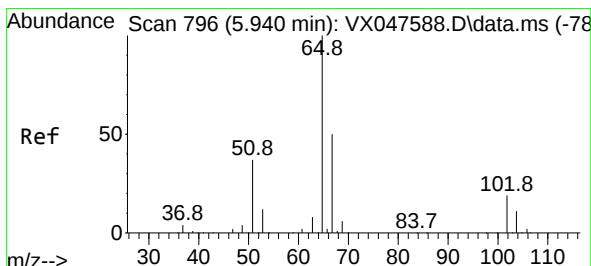
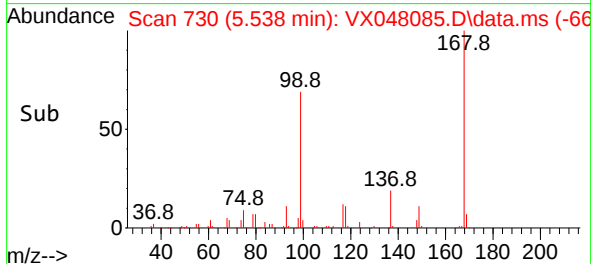
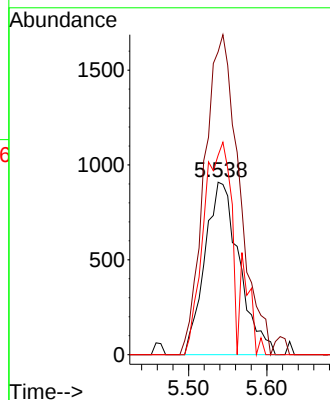
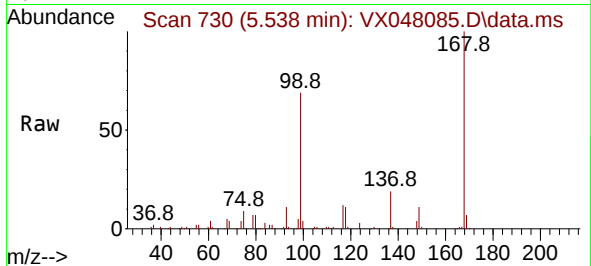




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

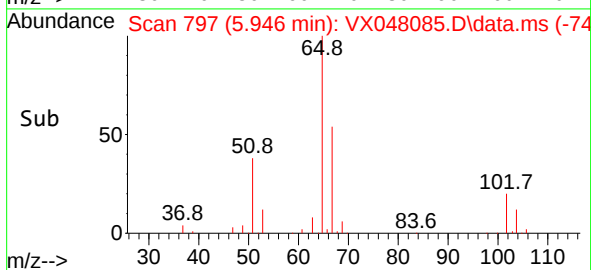
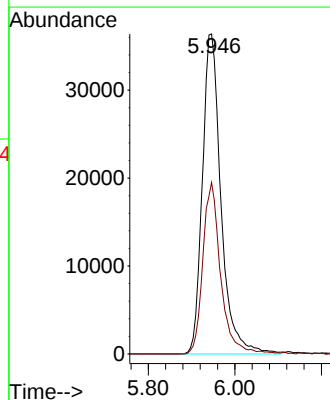
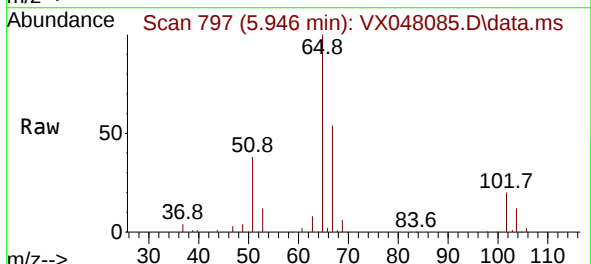
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

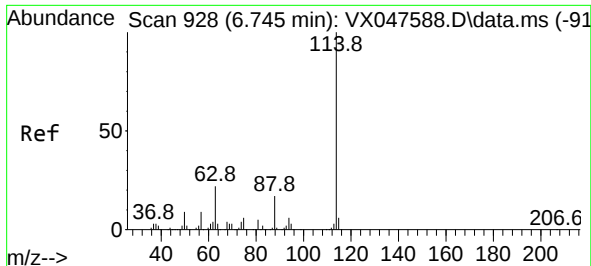
Tgt Ion: 56 Resp: 2782
Ion Ratio Lower Upper
56 100
69 175.7 23.8 35.8#
84 115.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.539 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 65 Resp: 108754
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

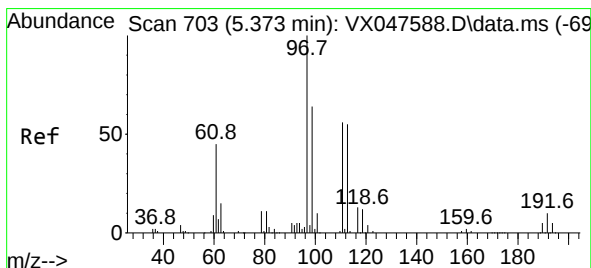
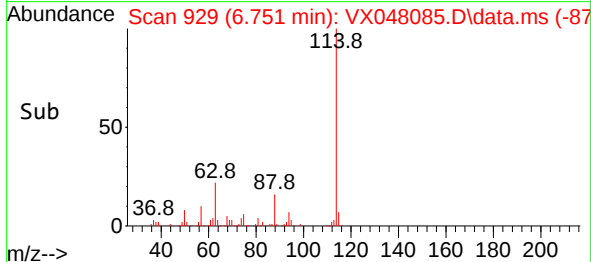
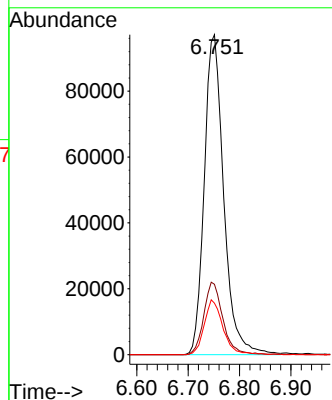
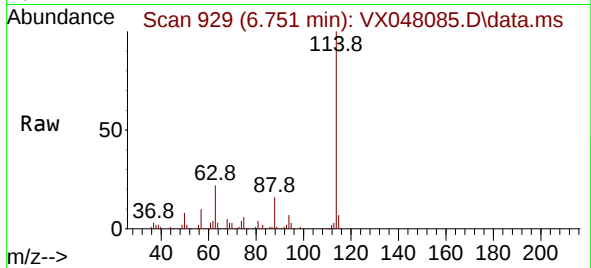




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

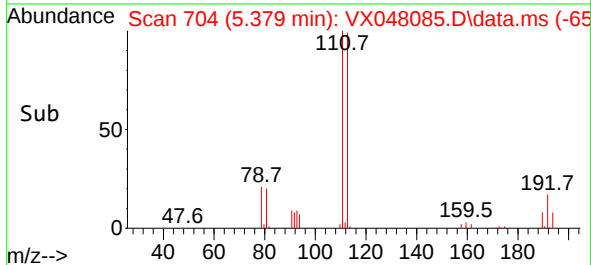
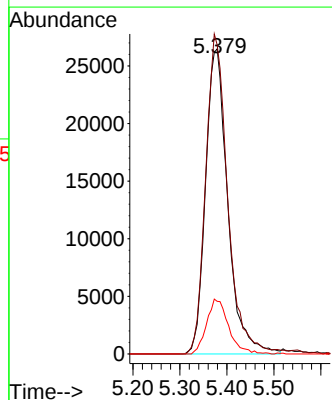
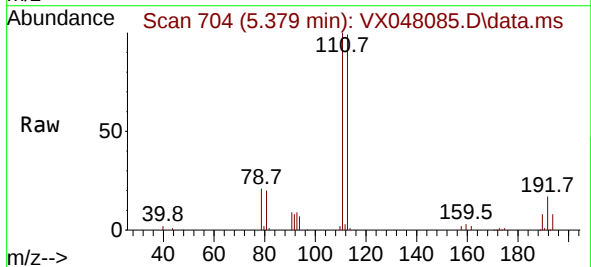
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

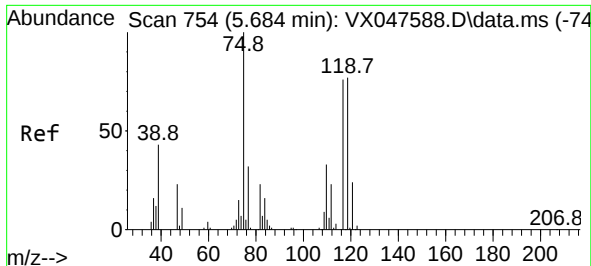
Tgt Ion:114 Resp: 255257
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 16.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.739 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion:113 Resp: 86859
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.345 ug/l

RT: 5.538 min Scan# 710

Delta R.T. -0.146 min

Lab File: VX048085.D

Acq: 09 Oct 2025 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

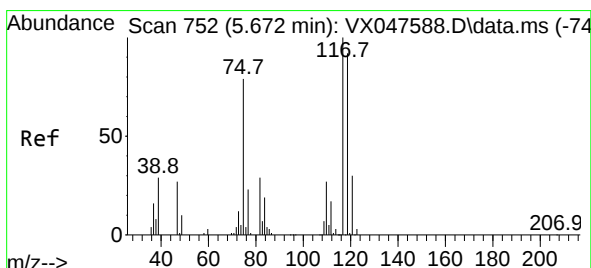
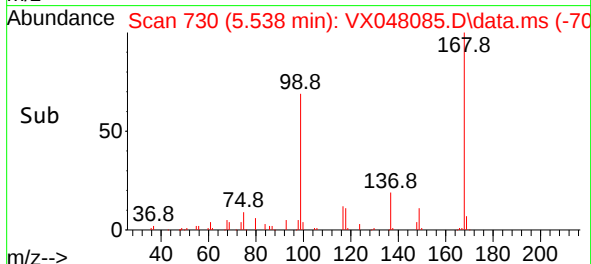
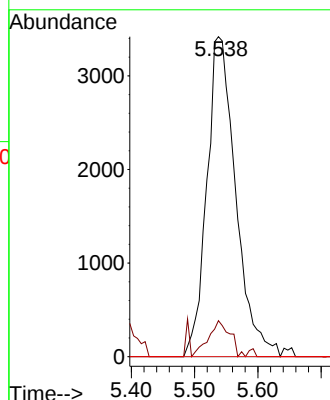
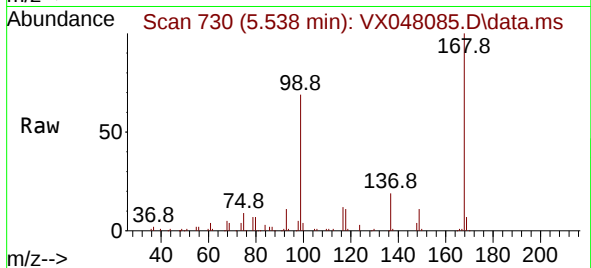
Tgt Ion: 75 Resp: 10868

Ion Ratio Lower Upper

75 100

110 8.2 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.011 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX048085.D

Acq: 09 Oct 2025 14:41

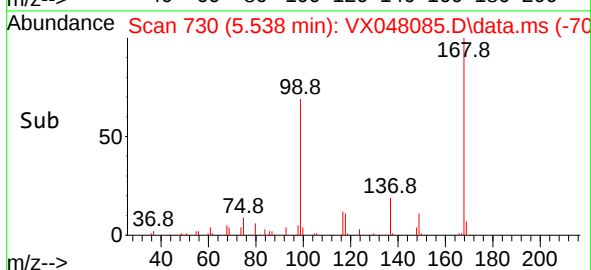
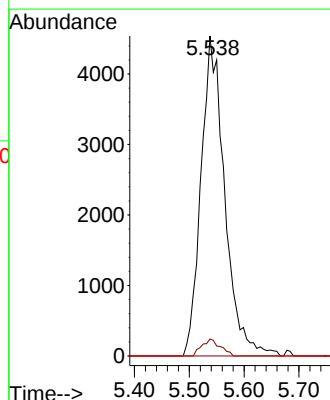
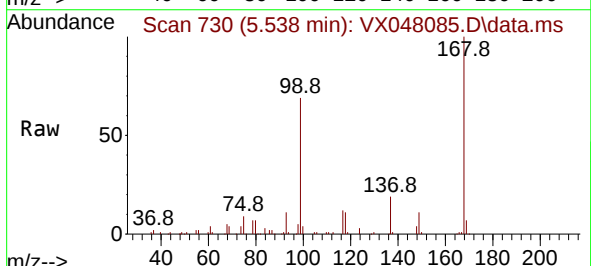
Tgt Ion: 117 Resp: 13620

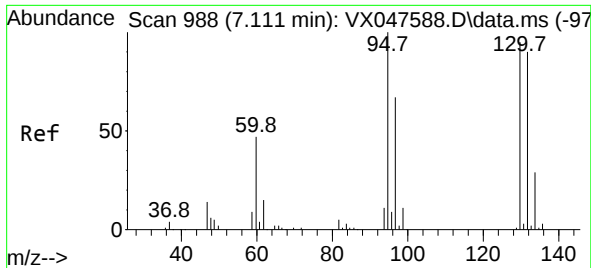
Ion Ratio Lower Upper

117 100

119 5.3 73.4 110.2#

121 0.0 23.8 35.6#

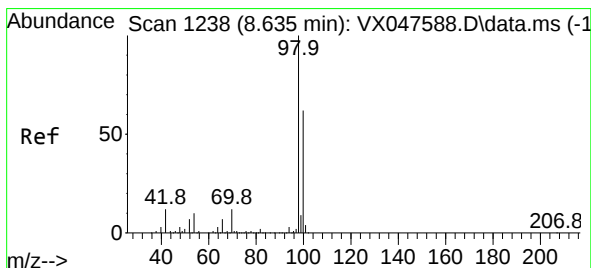
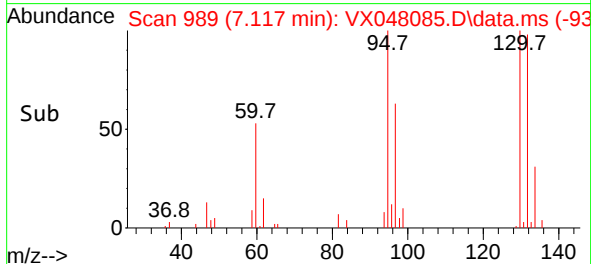
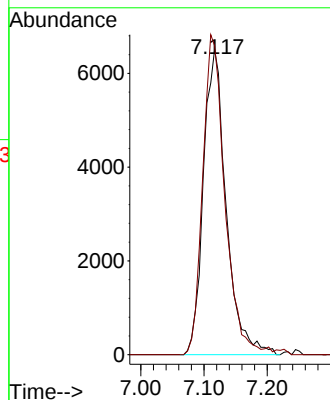
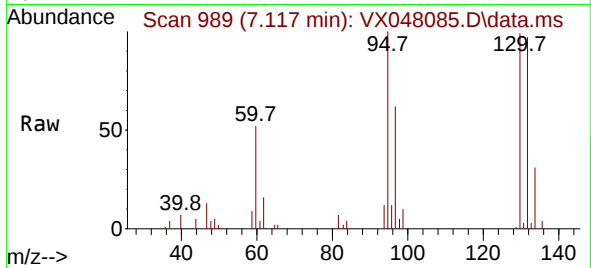




#44
Trichloroethene
Concen: 8.879 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

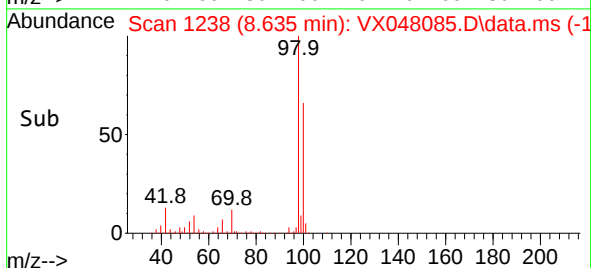
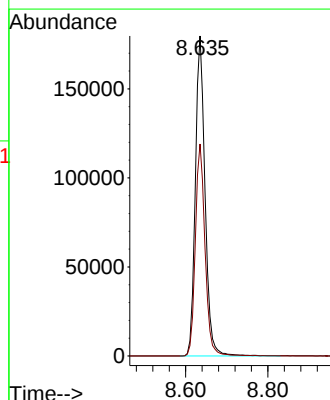
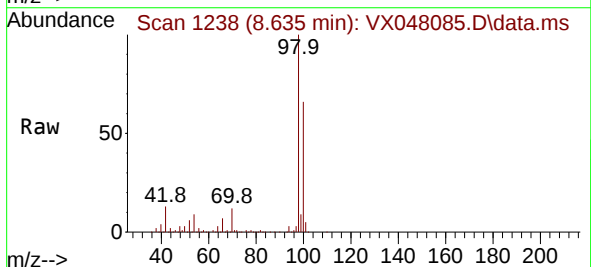
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

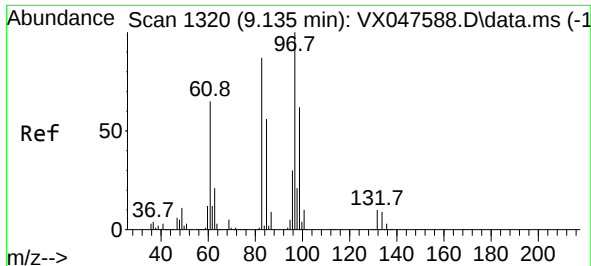
Tgt Ion:130 Resp: 16310
Ion Ratio Lower Upper
130 100
95 101.2 0.0 210.8



#50
Toluene-d8
Concen: 49.640 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 98 Resp: 294044
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4





#55

1,1,2-Trichloroethane

Concen: 4.483 ug/l

RT: 9.257 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX048085.D

Acq: 09 Oct 2025 14:41

Instrument :

MSVOA_X

ClientSampleId :

MW-101S

Tgt Ion: 97 Resp: 8092

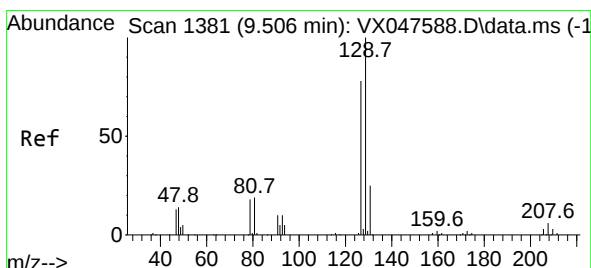
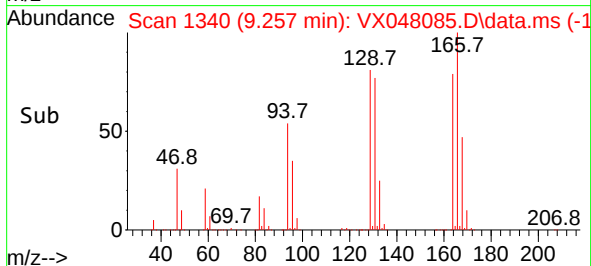
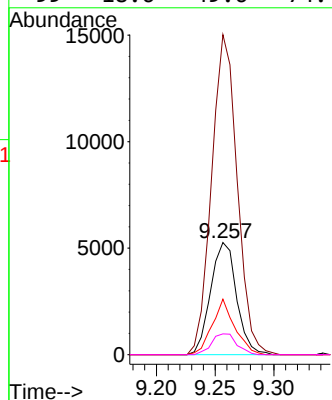
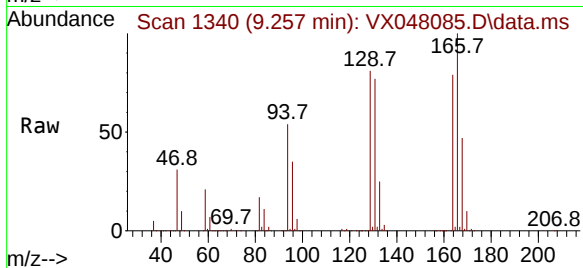
Ion Ratio Lower Upper

97 100

83 285.4 69.6 104.4#

85 49.5 45.0 67.6

99 18.6 49.6 74.4#



#60

Dibromochloromethane

Concen: 430.458 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX048085.D

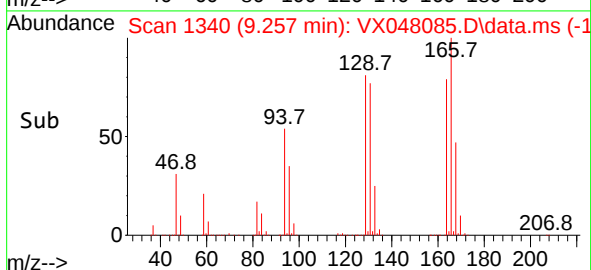
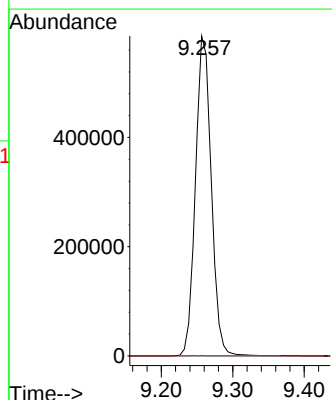
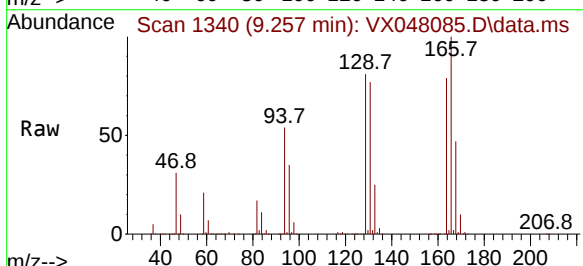
Acq: 09 Oct 2025 14:41

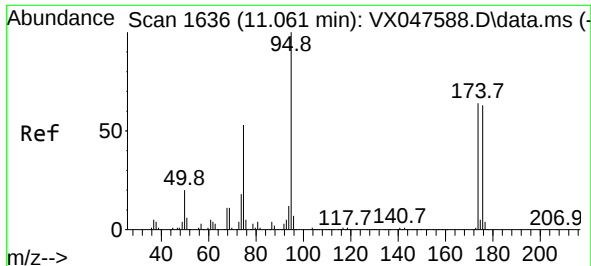
Tgt Ion:129 Resp: 895215

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

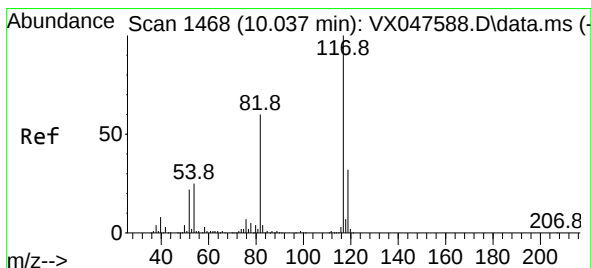
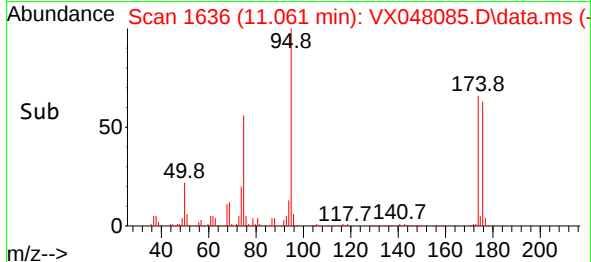
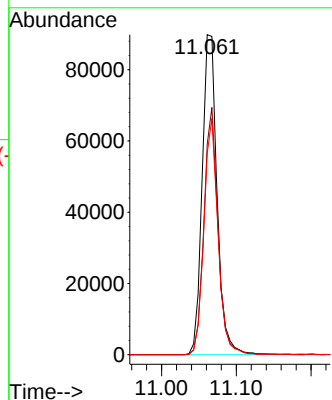
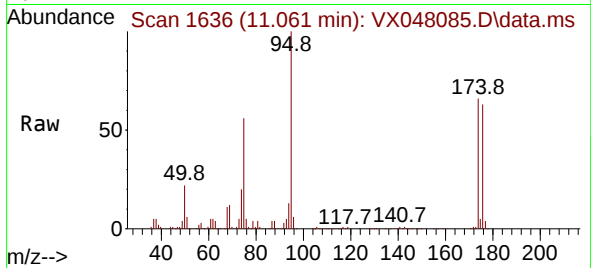




#62
4-Bromofluorobenzene
Concen: 55.476 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

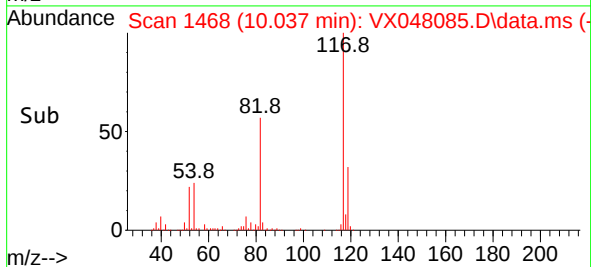
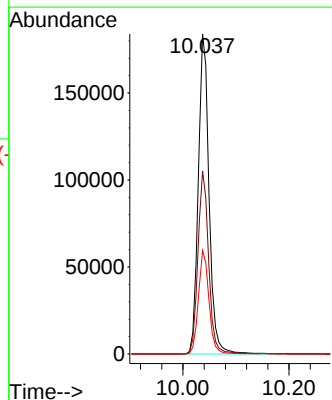
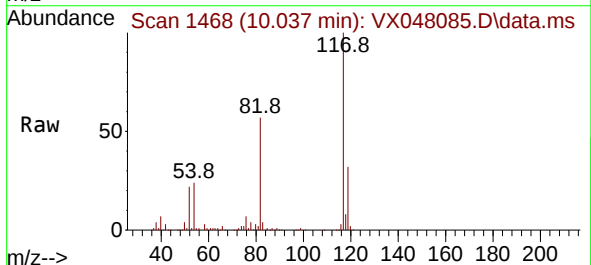
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

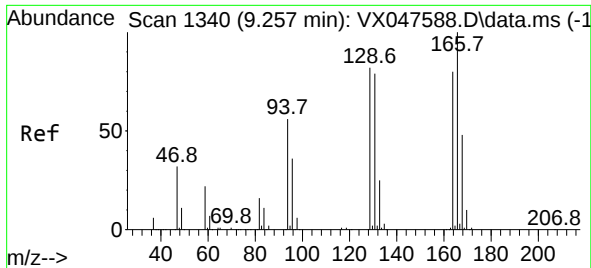
Tgt Ion: 95 Resp: 124713
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 69.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 117 Resp: 258974
Ion Ratio Lower Upper
117 100
82 57.2 47.8 71.6
119 32.3 25.2 37.8

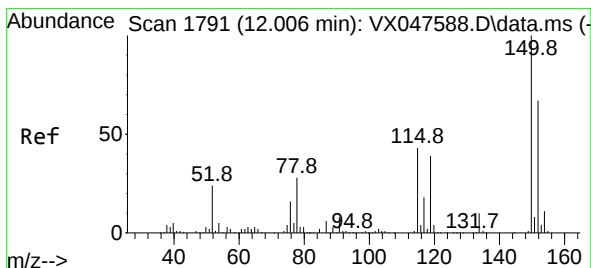
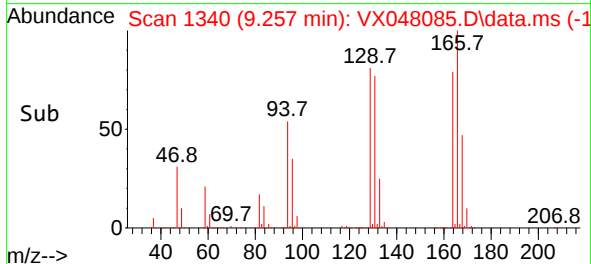
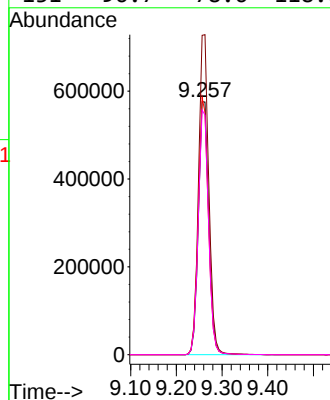
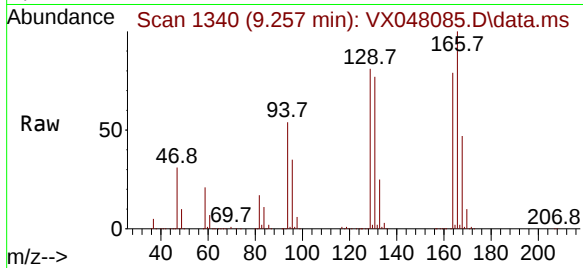




#64
Tetrachloroethene
Concen: 534.613 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

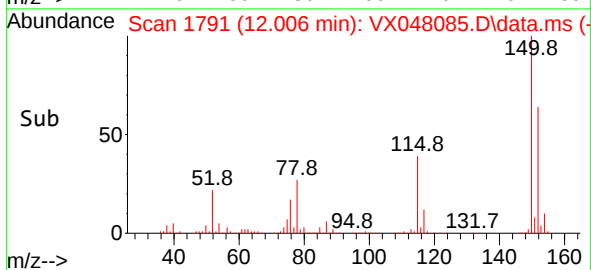
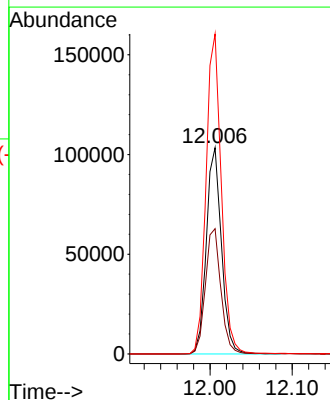
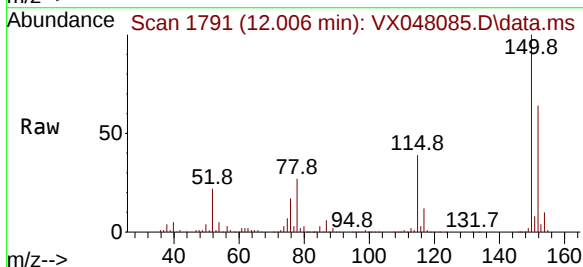
Instrument :
MSVOA_X
ClientSampleId :
MW-101S

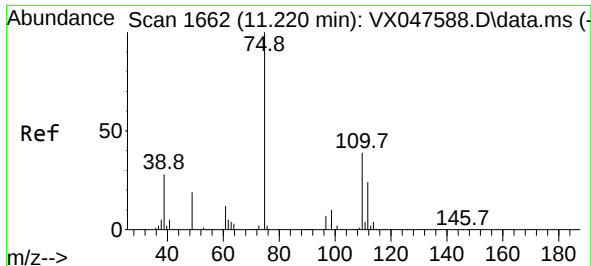
Tgt Ion:164 Resp: 902554
Ion Ratio Lower Upper
164 100
166 126.3 100.2 150.2
129 101.7 81.8 122.6
131 96.7 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion:152 Resp: 132248
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 156.0 0.0 352.0

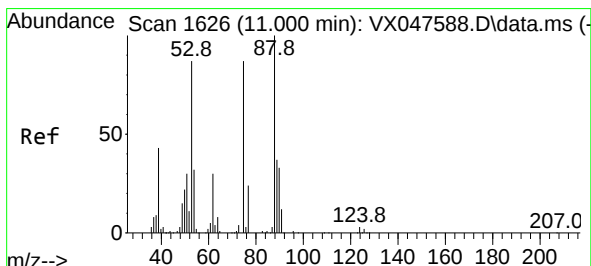
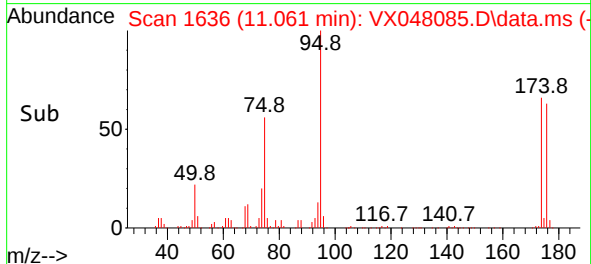
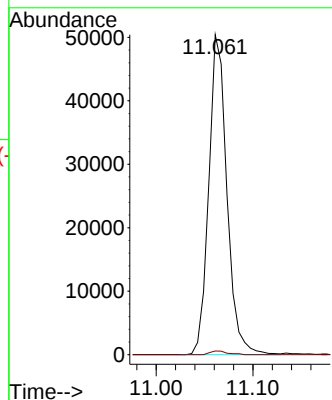
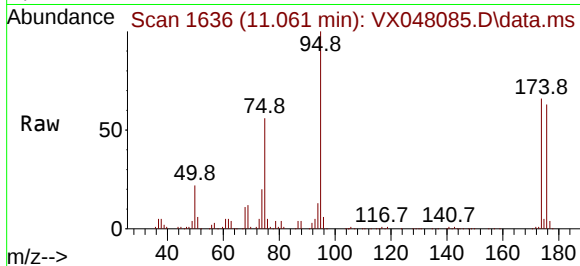




#76
1,2,3-Trichloropropane
Concen: 24.594 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Instrument :
MSVOA_X
ClientSampleId :
MW-101S

Tgt Ion: 75 Resp: 65854
Ion Ratio Lower Upper
75 100
77 1.1 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.719 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048085.D
Acq: 09 Oct 2025 14:41

Tgt Ion: 75 Resp: 65854
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

