

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048115.D
 Acq On : 10 Oct 2025 16:15
 Operator : JC/MD
 Sample : Q3311-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-218DL

Quant Time: Oct 10 23:50:59 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)

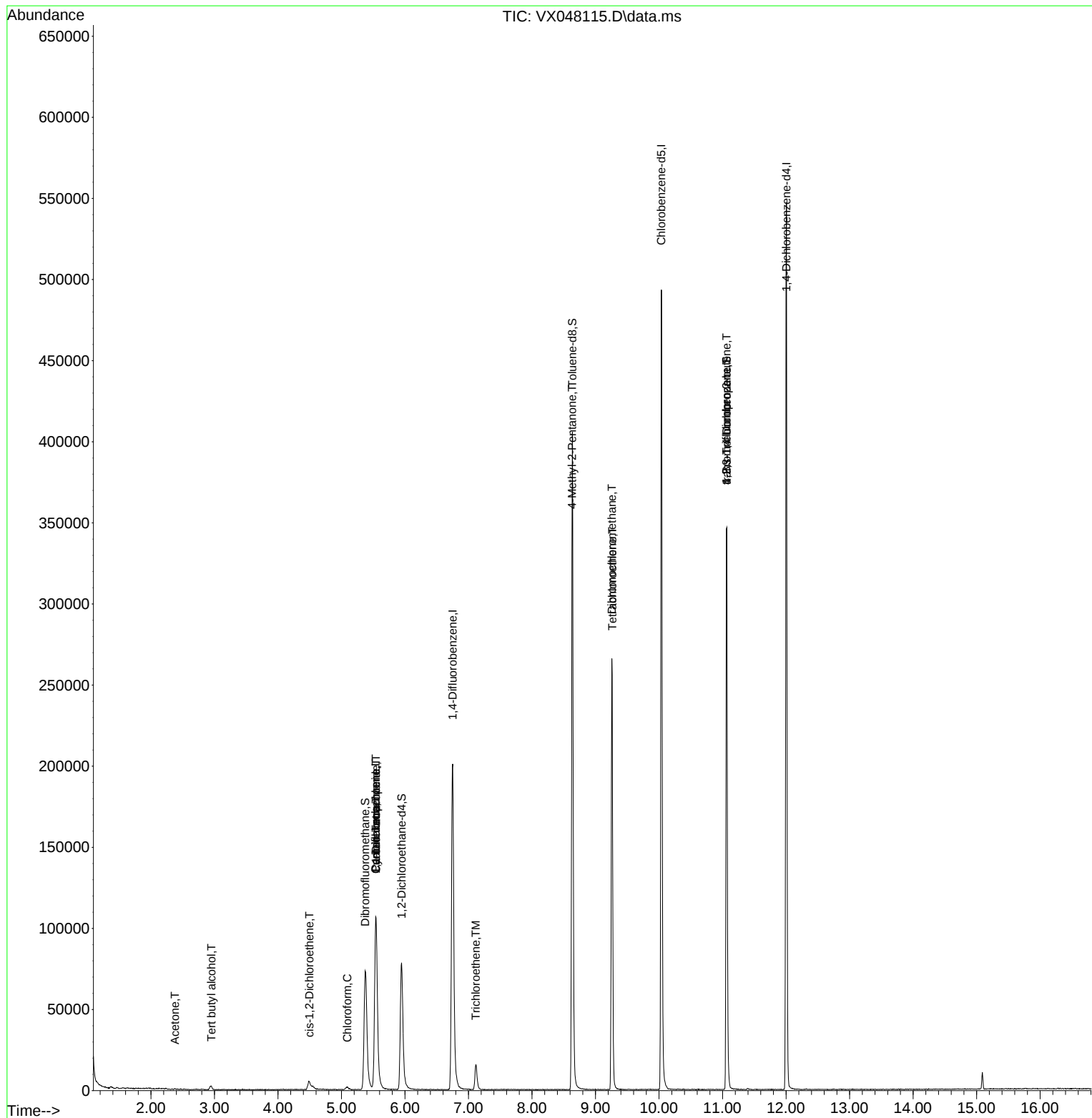
Internal Standards						
1) Pentafluorobenzene	5.538	168	107553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	220883	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87628	51.185	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	102.380%	
35) Dibromofluoromethane	5.373	113	72547	48.973	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.940%	
50) Toluene-d8	8.635	98	247795	48.343	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.680%	
62) 4-Bromofluorobenzene	11.061	95	104105	53.515	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	107.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1270	6.661	ug/l #	72
16) Acetone	2.380	43	670	0.900	ug/l #	65
27) cis-1,2-Dichloroethene	4.495	96	3812	2.263	ug/l	88
30) Chloroform	5.093	83	2217	0.808	ug/l	96
31) Cyclohexane	5.544	56	2413	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9749	4.504	ug/l #	50
38) Carbon Tetrachloride	5.544	117	11323	4.814	ug/l #	17
44) Trichloroethene	7.117	130	6452	4.059	ug/l	95
51) 4-Methyl-2-Pentanone	8.629	43	1163	0.552	ug/l #	1
60) Dibromochloromethane	9.256	129	50832	28.246	ug/l #	11
64) Tetrachloroethene	9.263	164	51425	33.908	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	55645	24.287	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	55645	61.935	ug/l #	8

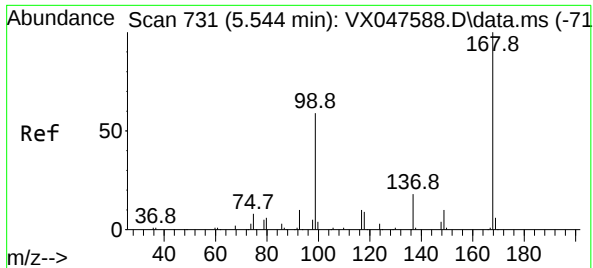
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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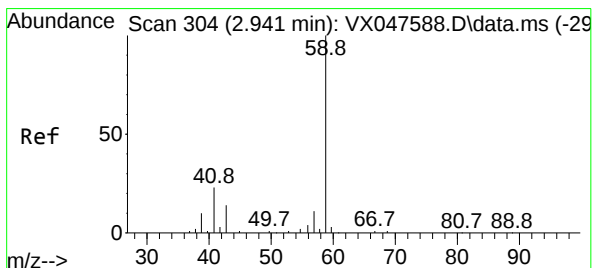
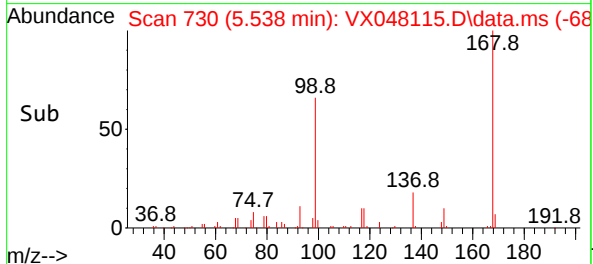
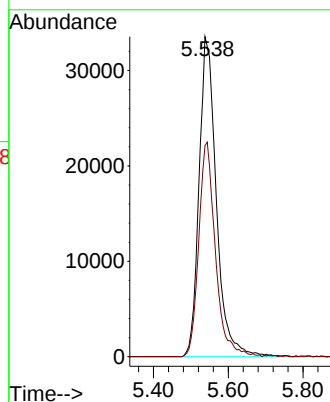
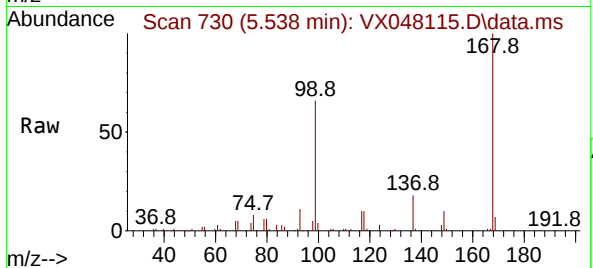




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

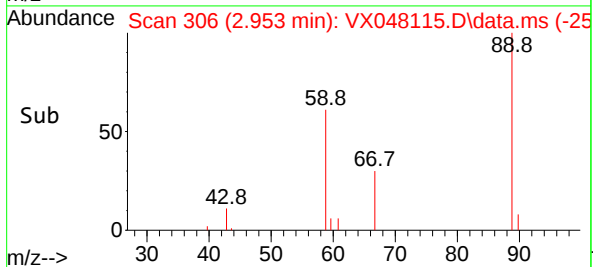
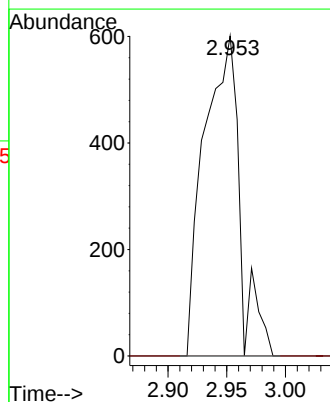
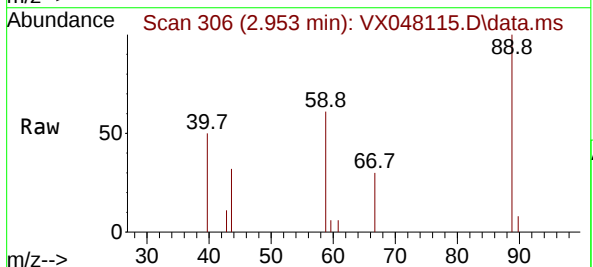
Instrument :
MSVOA_X
ClientSampleId :
MW-218DL

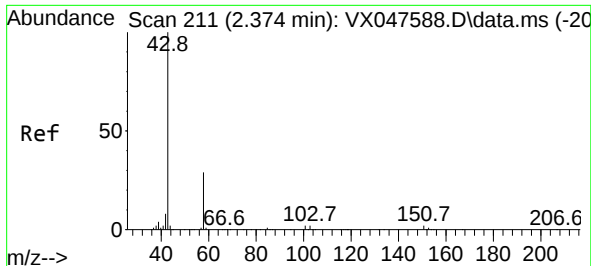
Tgt Ion:168 Resp: 107553
Ion Ratio Lower Upper
168 100
99 65.9 48.8 73.2



#11
Tert butyl alcohol
Concen: 6.661 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion: 59 Resp: 1270
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

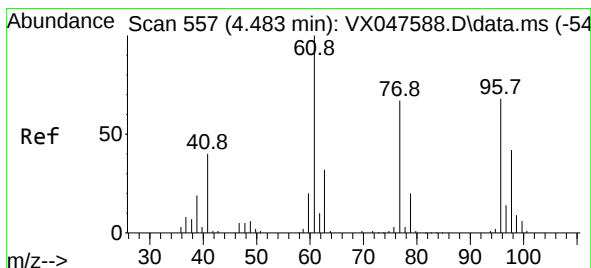
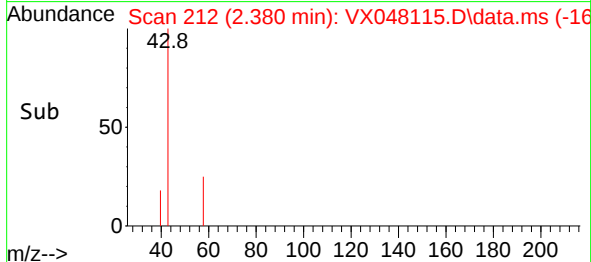
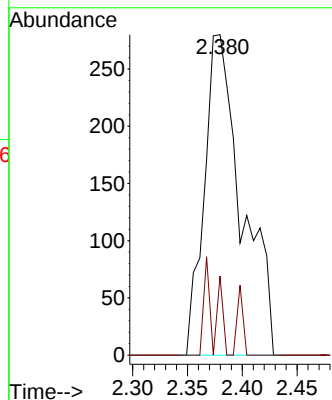
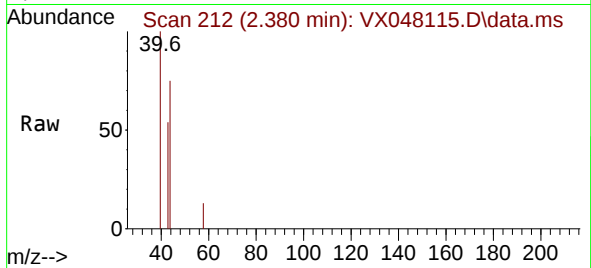




#16
Acetone
Concen: 0.900 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

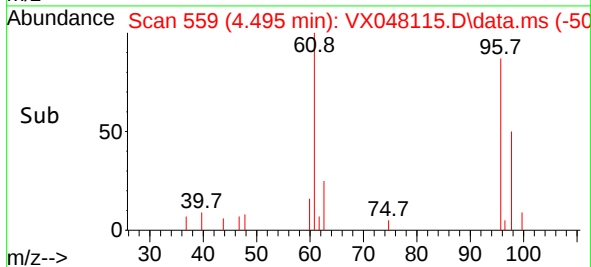
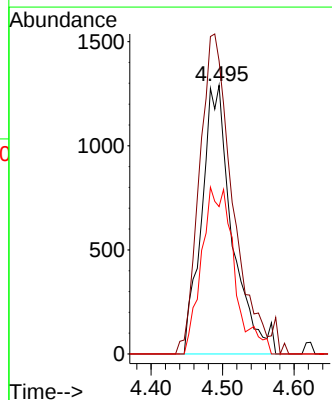
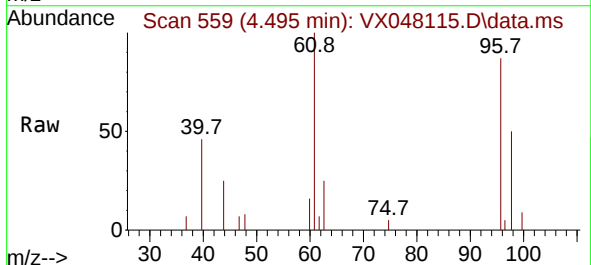
Instrument :
MSVOA_X
ClientSampleId :
MW-218DL

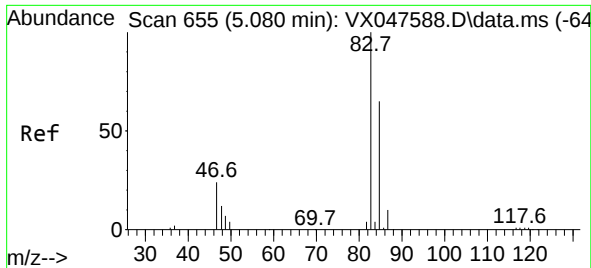
Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
58 10.3 23.4 35.0#



#27
cis-1,2-Dichloroethene
Concen: 2.263 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion: 96 Resp: 3812
Ion Ratio Lower Upper
96 100
61 131.6 0.0 303.2
98 66.5 0.0 127.8





#30

Chloroform

Concen: 0.808 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX048115.D

Acq: 10 Oct 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

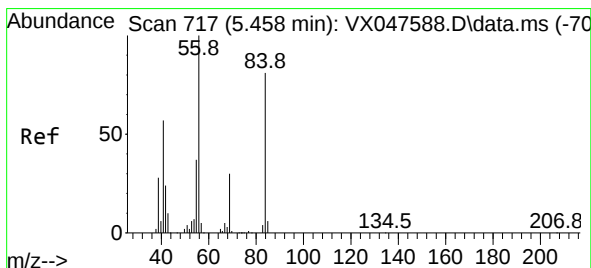
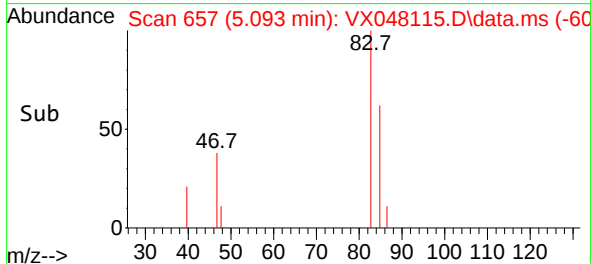
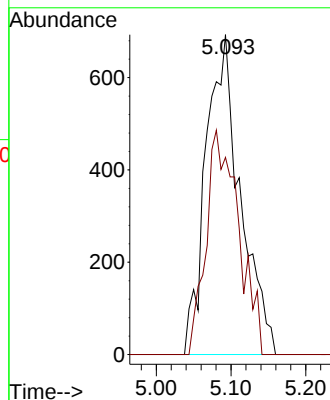
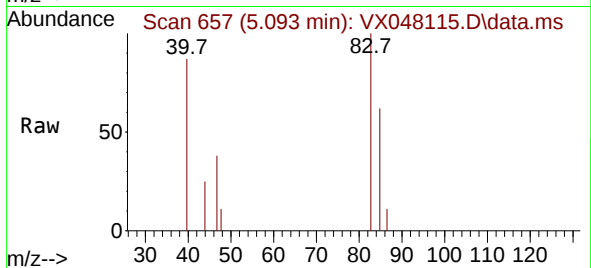
MW-218DL

Tgt Ion: 83 Resp: 2217

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.6



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048115.D

Acq: 10 Oct 2025 16:15

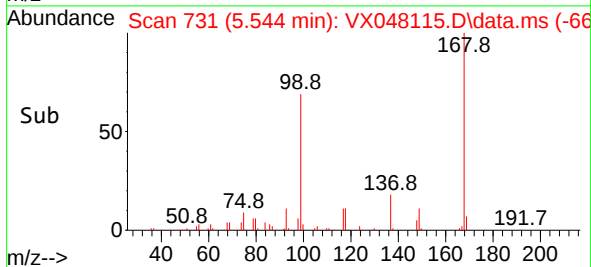
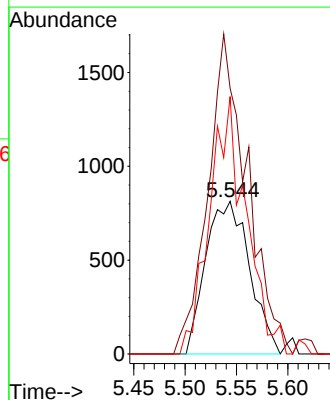
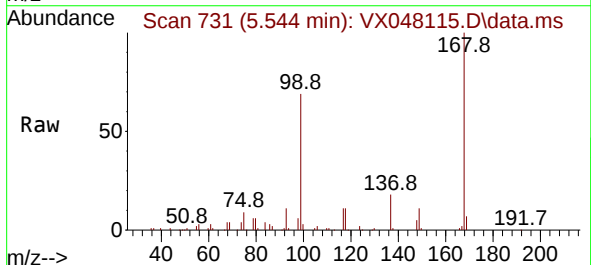
Tgt Ion: 56 Resp: 2413

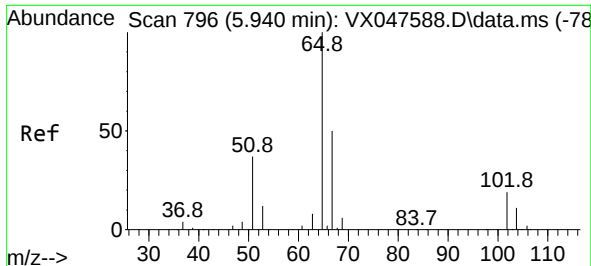
Ion Ratio Lower Upper

56 100

69 161.9 23.8 35.8#

84 168.8 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048115.D

Acq: 10 Oct 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

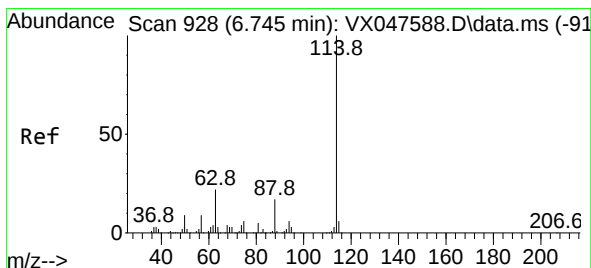
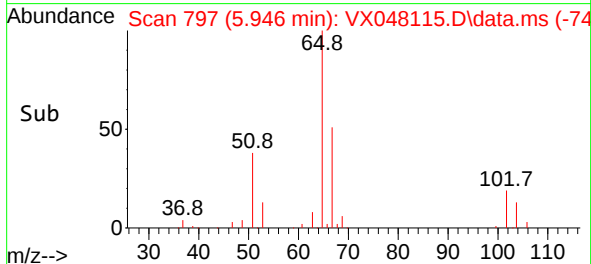
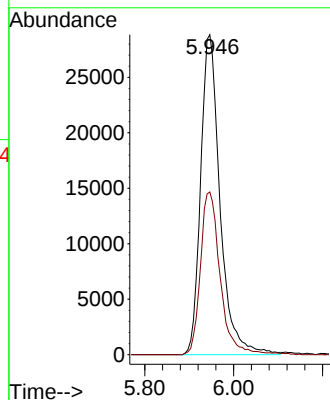
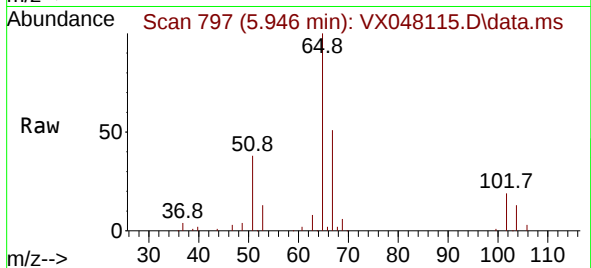
MW-218DL

Tgt Ion: 65 Resp: 87628

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: VX048115.D

Acq: 10 Oct 2025 16:15

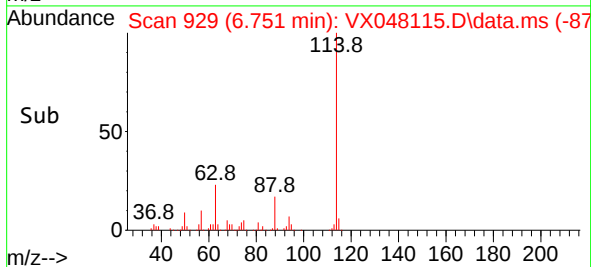
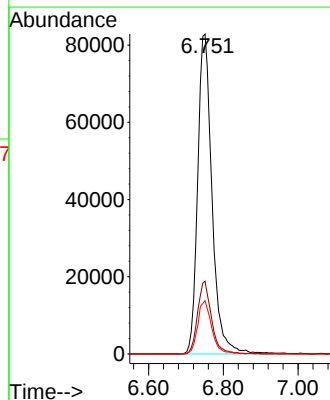
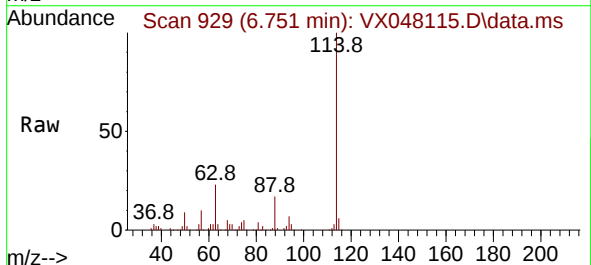
Tgt Ion: 114 Resp: 220883

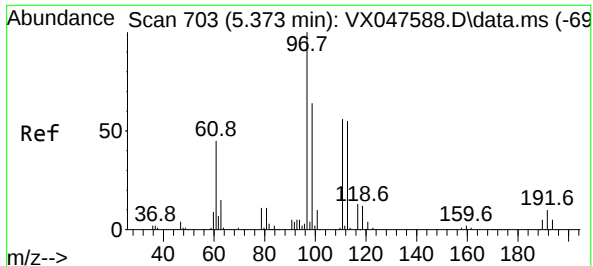
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.0

88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.973 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048115.D

Acq: 10 Oct 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

MW-218DL

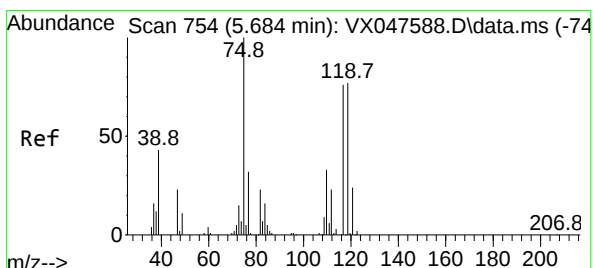
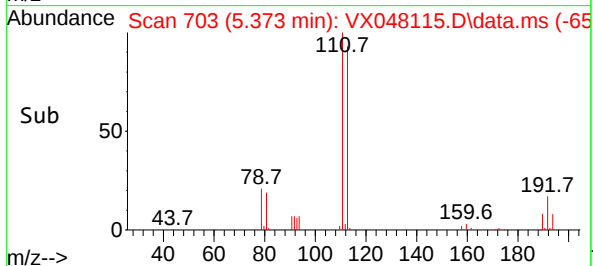
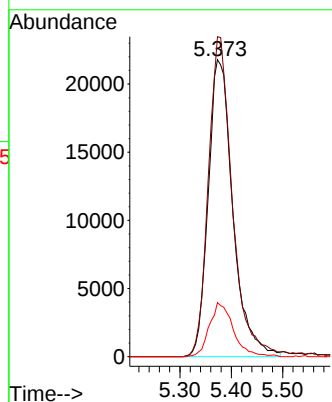
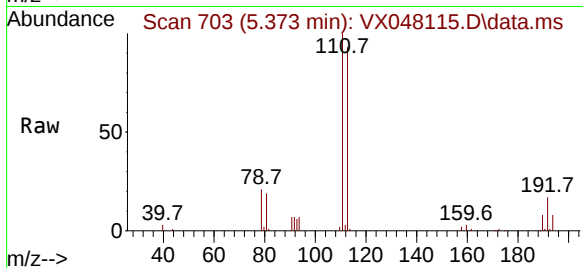
Tgt Ion:113 Resp: 72547

Ion Ratio Lower Upper

113 100

111 105.0 80.9 121.3

192 17.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048115.D

Acq: 10 Oct 2025 16:15

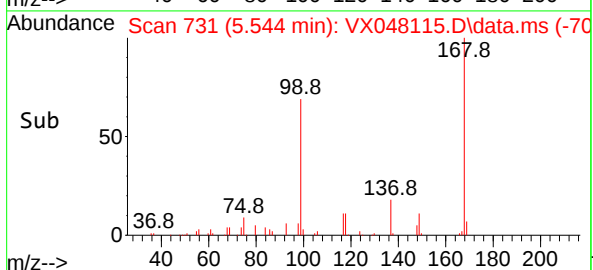
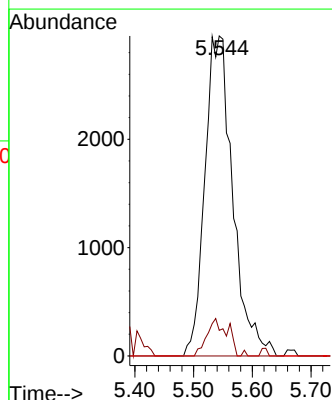
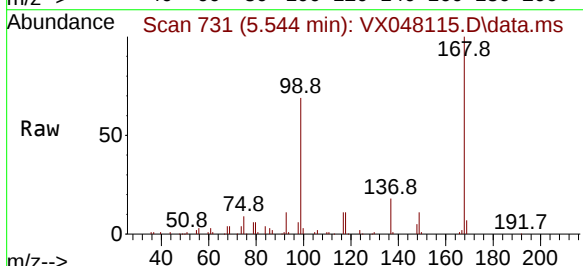
Tgt Ion: 75 Resp: 9749

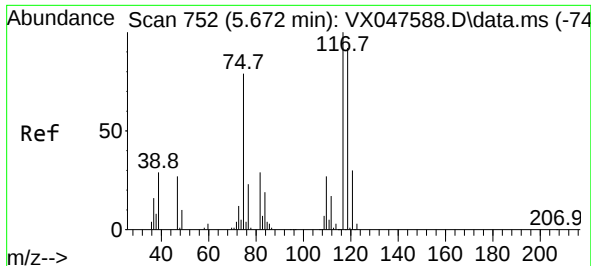
Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

77 0.0 24.3 36.5#

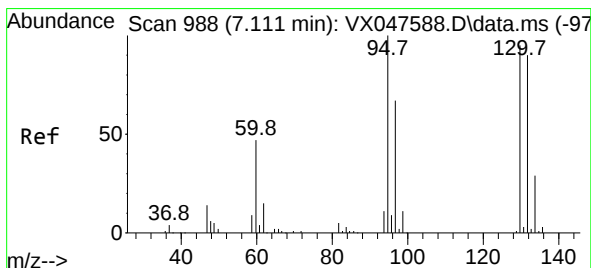
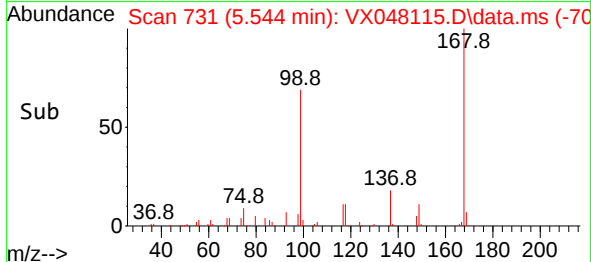
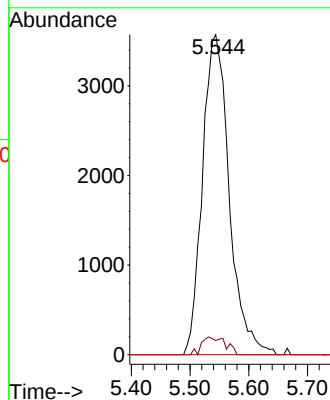
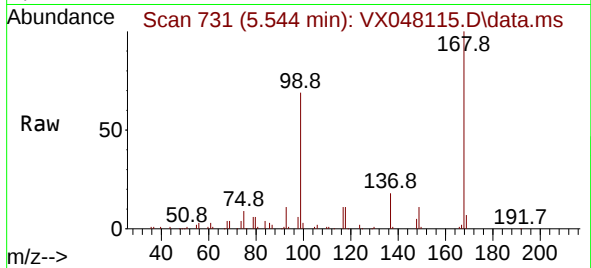




#38
Carbon Tetrachloride
Concen: 4.814 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

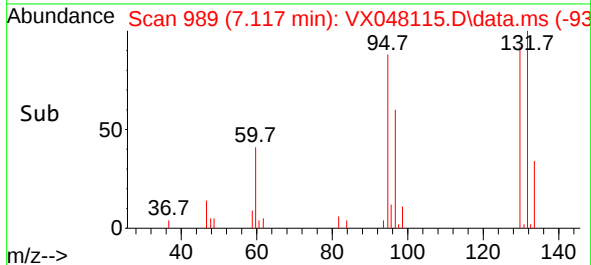
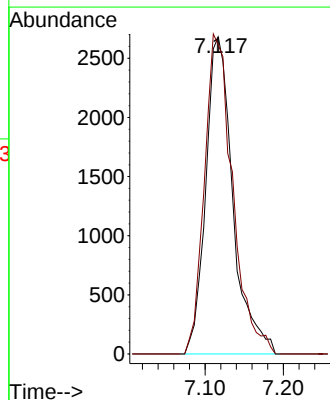
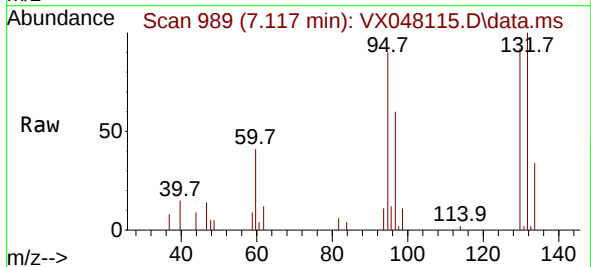
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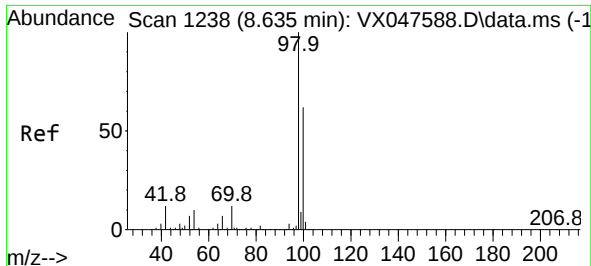
Tgt Ion:117 Resp: 11323
Ion Ratio Lower Upper
117 100
119 4.4 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 4.059 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion:130 Resp: 6452
Ion Ratio Lower Upper
130 100
95 110.2 0.0 210.8

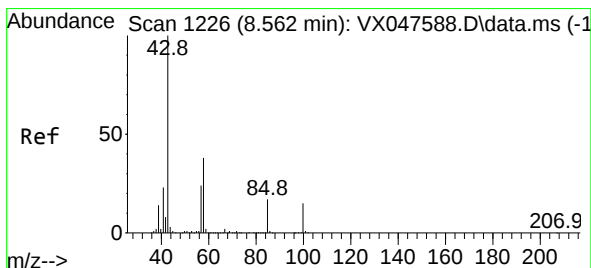
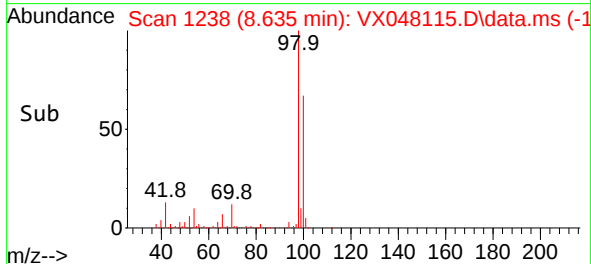
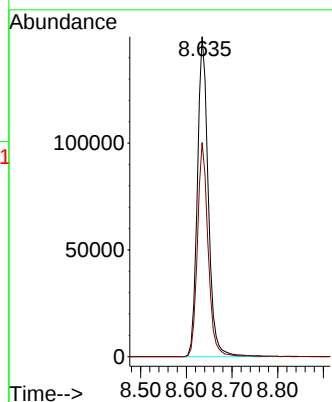
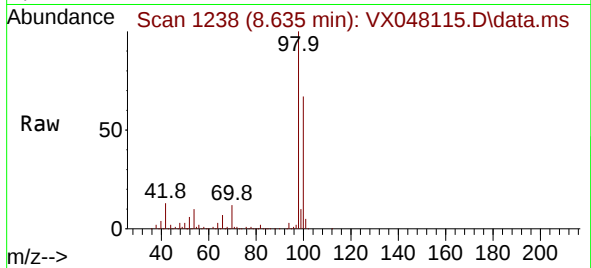




#50
Toluene-d8
Concen: 48.343 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

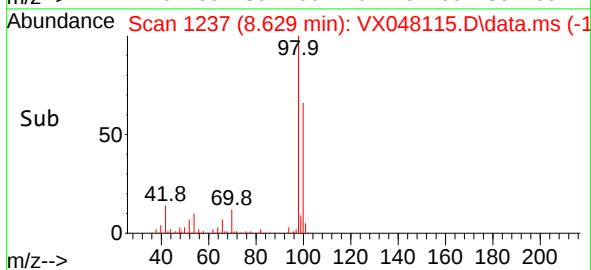
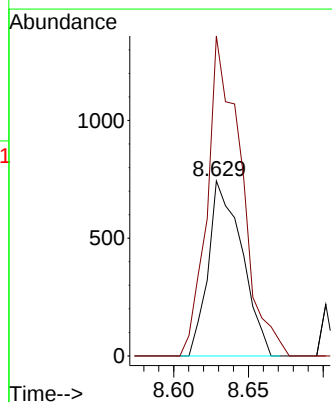
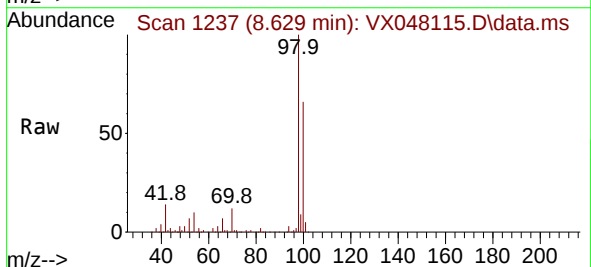
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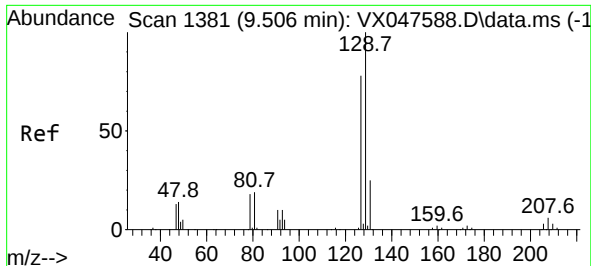
Tgt Ion: 98 Resp: 247795
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.067 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
58 184.6 30.3 45.5#

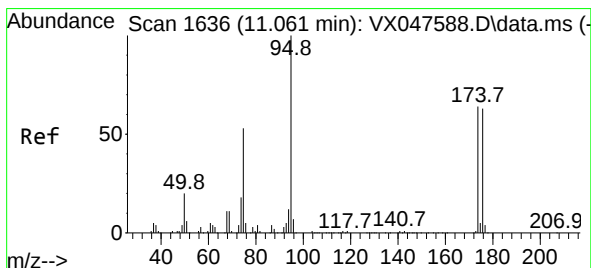
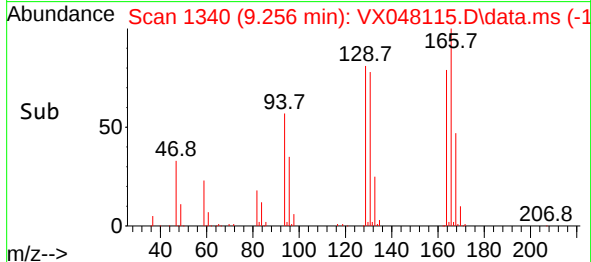
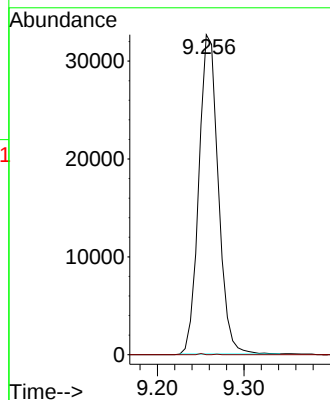
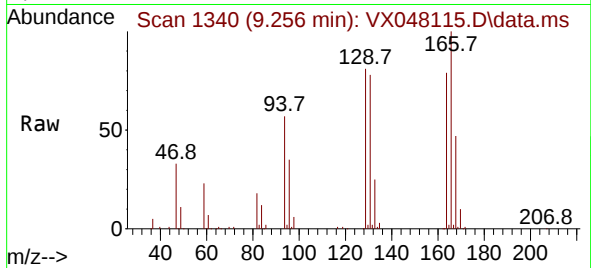




#60
Dibromochloromethane
Concen: 28.246 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

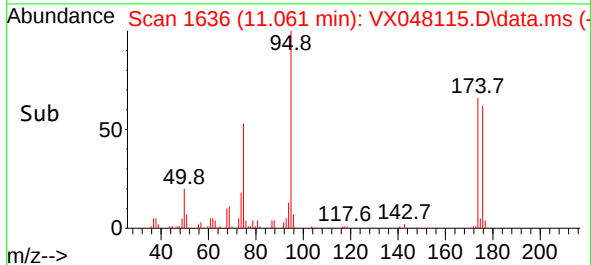
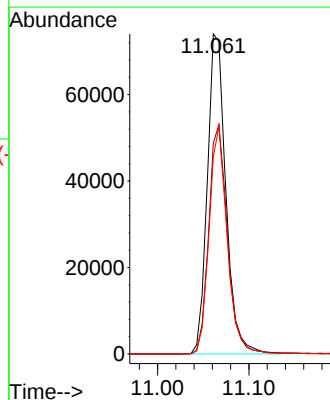
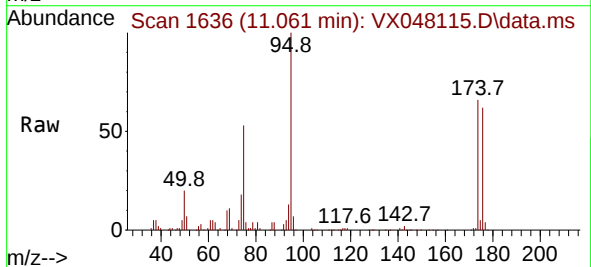
Instrument :
MSVOA_X
ClientSampleId :
MW-218DL

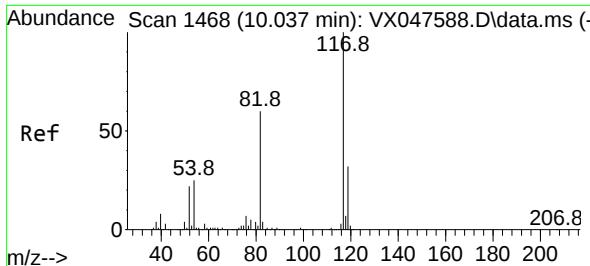
Tgt Ion:129 Resp: 50832
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.515 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion: 95 Resp: 104105
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 69.3 0.0 138.4

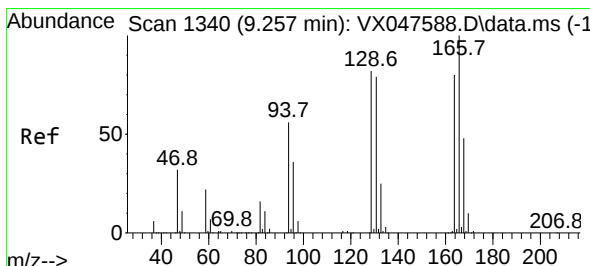
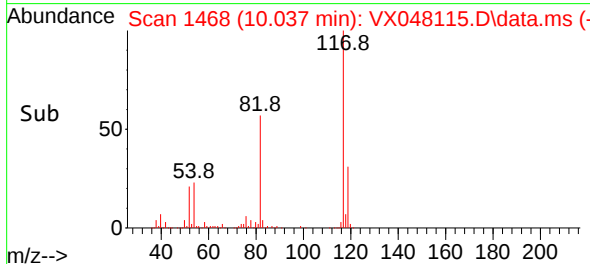
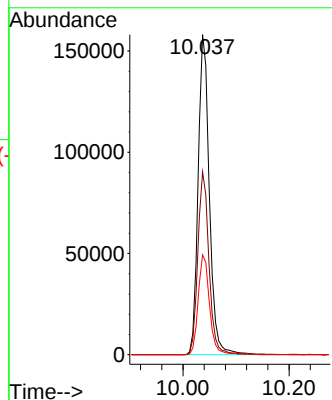
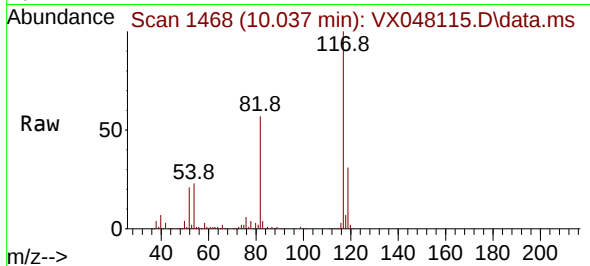




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

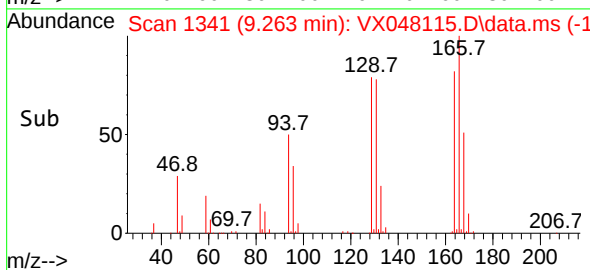
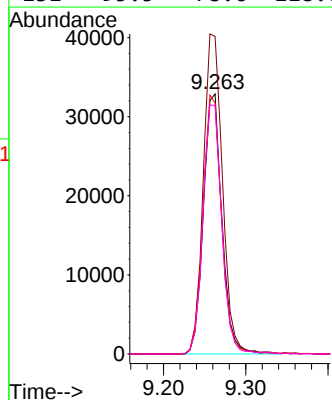
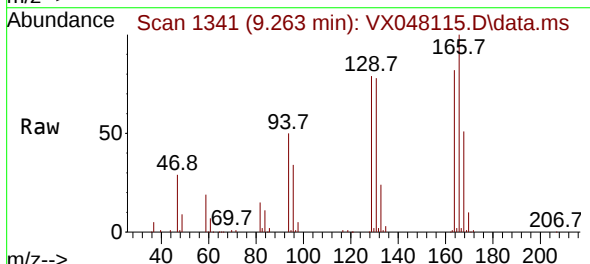
Instrument :
MSVOA_X
ClientSampleId :
MW-218DL

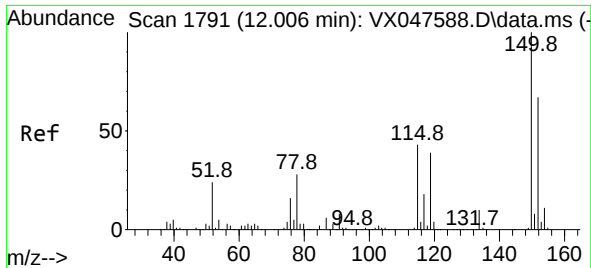
Tgt Ion:117 Resp: 232642
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 33.908 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion:164 Resp: 51425
Ion Ratio Lower Upper
164 100
166 122.2 100.2 150.2
129 96.5 81.8 122.6
131 95.5 78.6 118.0

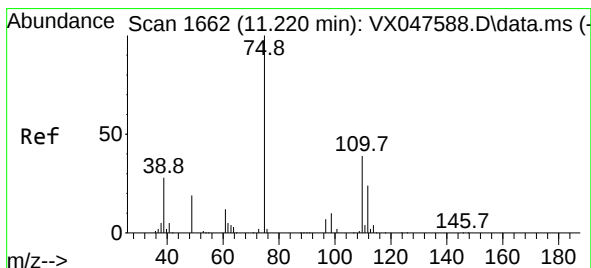
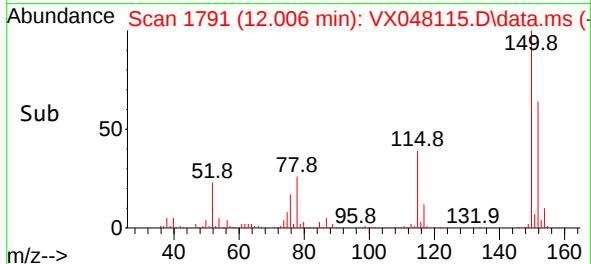
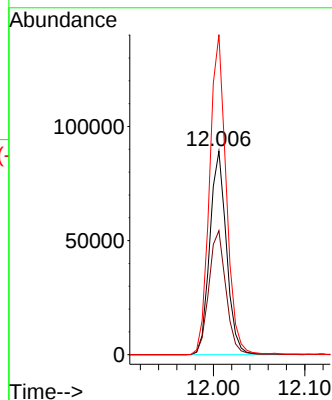
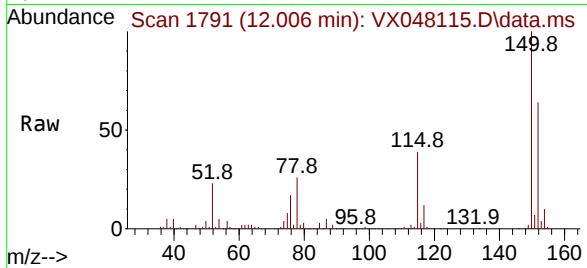




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

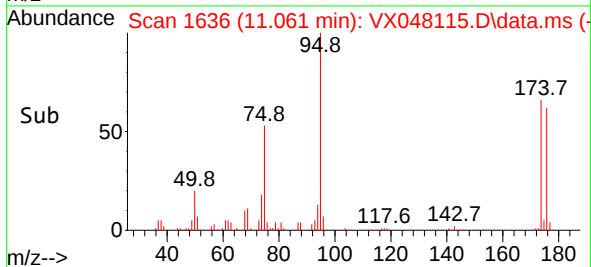
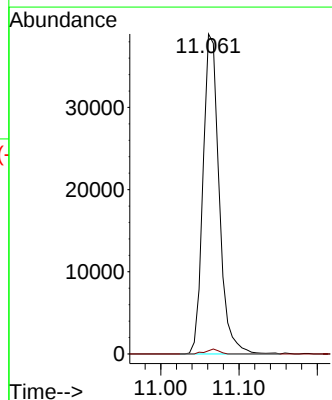
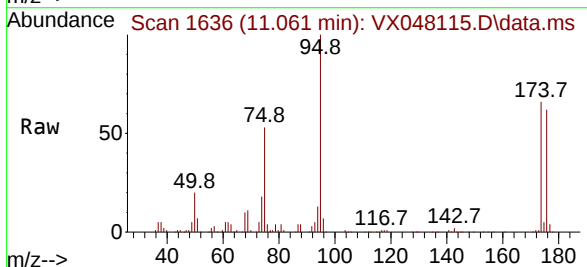
Instrument :
MSVOA_X
ClientSampleId :
MW-218DL

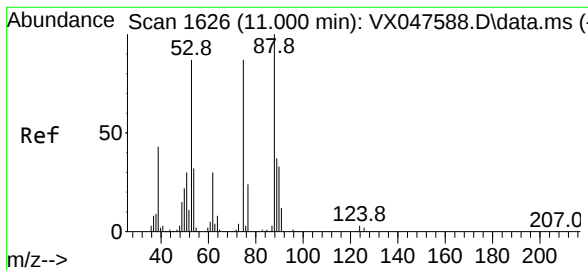
Tgt Ion:152 Resp: 113160
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 157.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.287 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048115.D
Acq: 10 Oct 2025 16:15

Tgt Ion: 75 Resp: 55645
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.935 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048115.D
 Acq: 10 Oct 2025 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-218DL

Tgt Ion: 75 Resp: 55645
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

