

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048138.D
 Acq On : 13 Oct 2025 13:47
 Operator : JC/MD
 Sample : Q3311-13DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-215DDL

Quant Time: Oct 14 01:54:24 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)

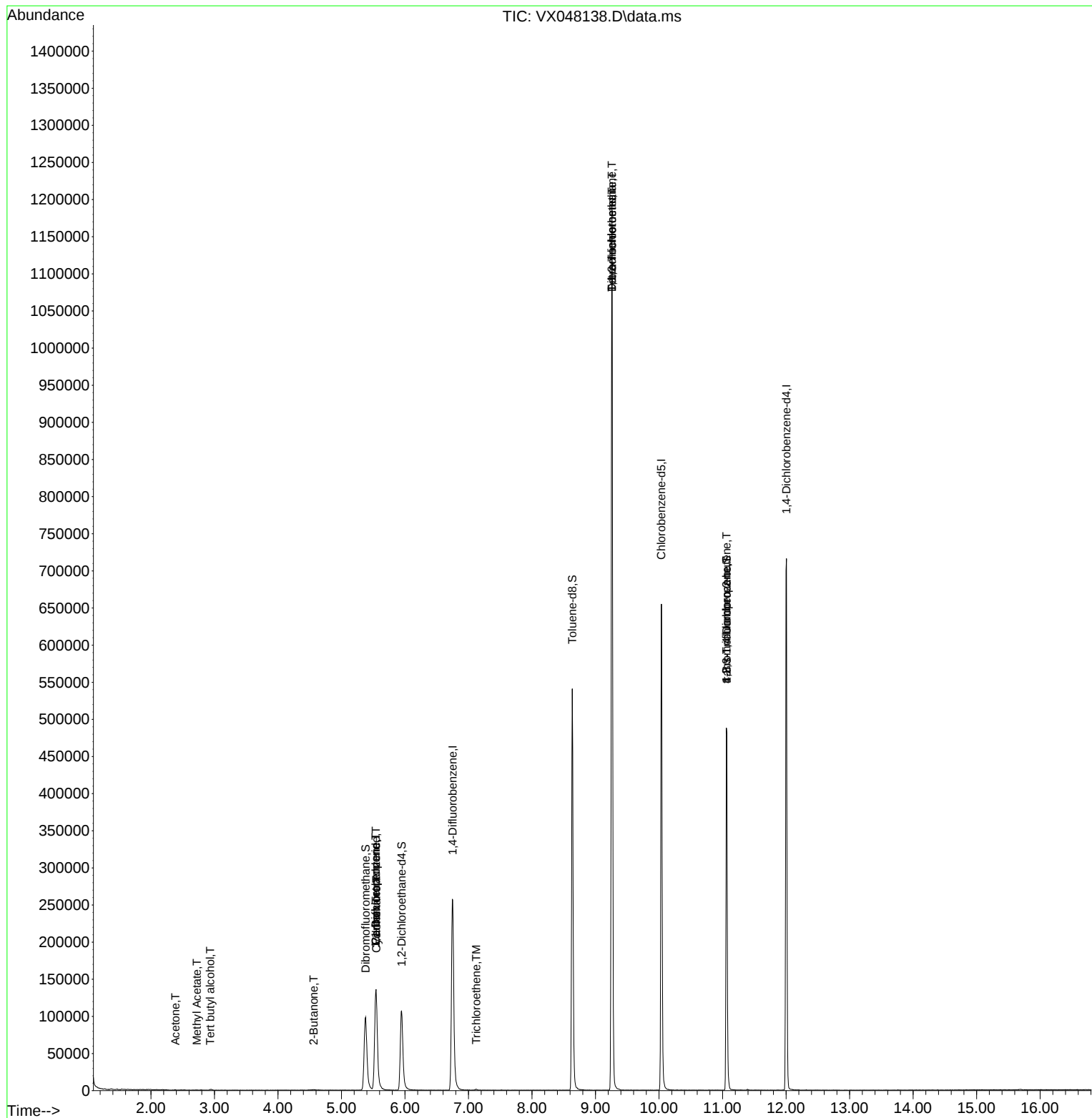
Internal Standards						
1) Pentafluorobenzene	5.544	168	135078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	297384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	150578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	117332	54.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.140%			
35) Dibromofluoromethane	5.379	113	94206	49.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	8.635	98	324424	49.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.320%			
62) 4-Bromofluorobenzene	11.061	95	139992	56.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.934	59	314	1.311	ug/l #	72
16) Acetone	2.386	43	369	0.395	ug/l #	45
18) Methyl Acetate	2.721	43	527	0.253	ug/l #	54
25) 2-Butanone	4.562	43	400	0.343	ug/l #	50
31) Cyclohexane	5.550	56	2801	0.986	ug/l #	43
36) 1,1-Dichloropropene	5.538	75	11704	4.242	ug/l #	50
38) Carbon Tetrachloride	5.544	117	14474	4.828	ug/l #	18
44) Trichloroethene	7.123	130	553	0.273	ug/l	51
55) 1,1,2-Trichloroethane	9.257	97	2066	1.038	ug/l #	1
60) Dibromochloromethane	9.257	129	222462	96.986	ug/l #	11
64) Tetrachloroethene	9.257	164	222499	114.771	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	74556	24.455	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	74556	62.363	ug/l #	8

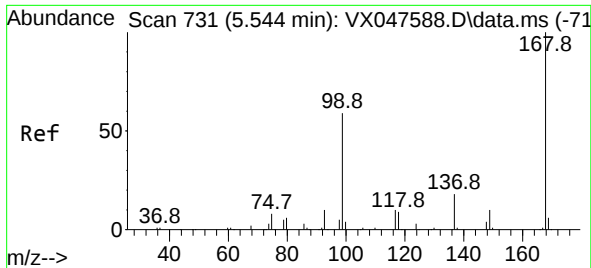
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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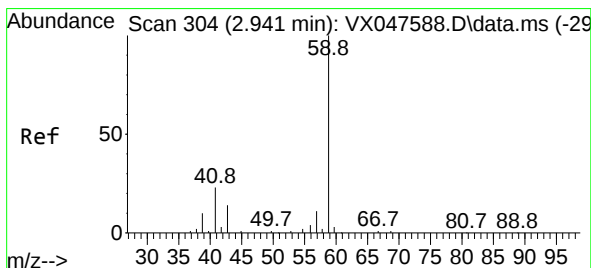
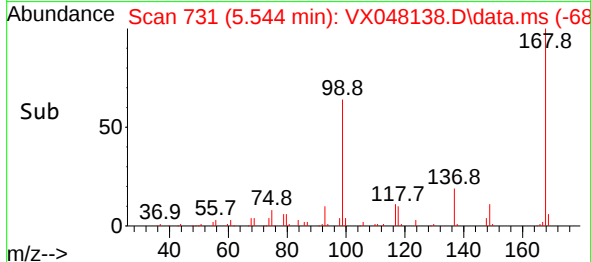
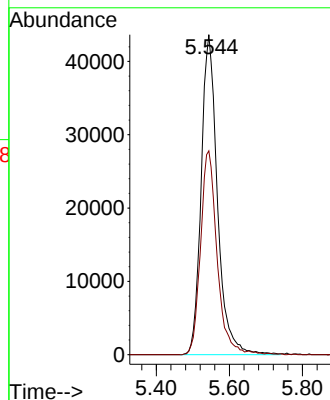
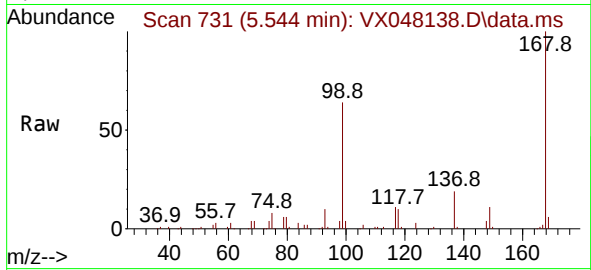




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

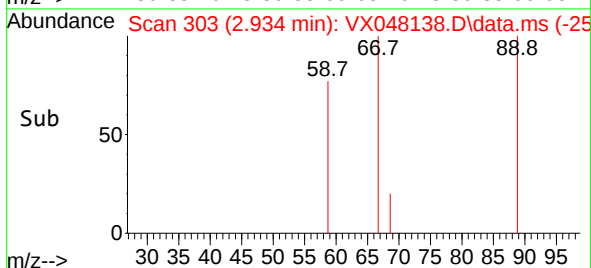
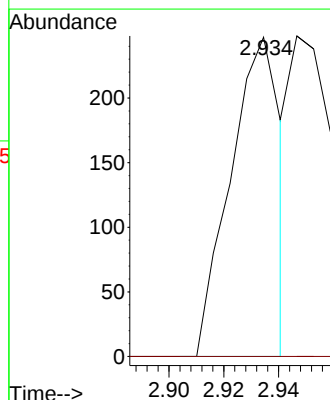
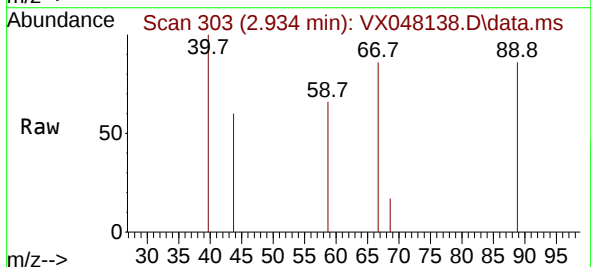
Instrument :
MSVOA_X
ClientSampleId :
MW-215DDL

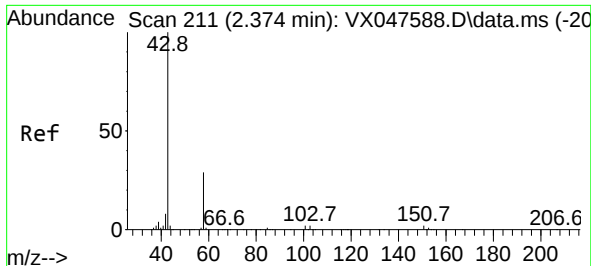
Tgt Ion:168 Resp: 135078
Ion Ratio Lower Upper
168 100
99 63.7 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.311 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

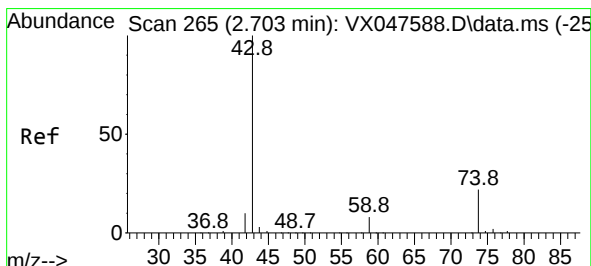
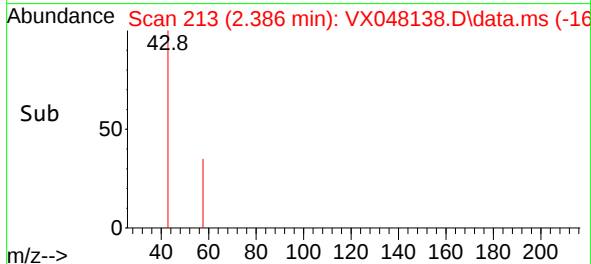
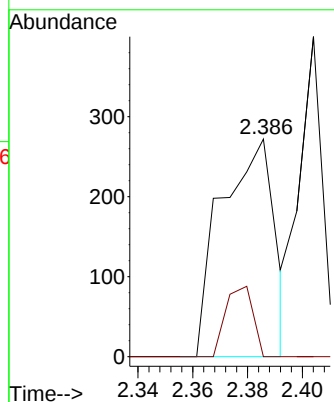
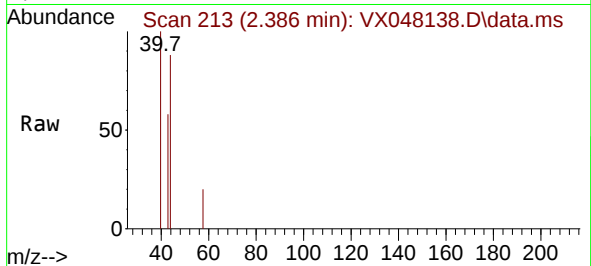




#16
Acetone
Concen: 0.395 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

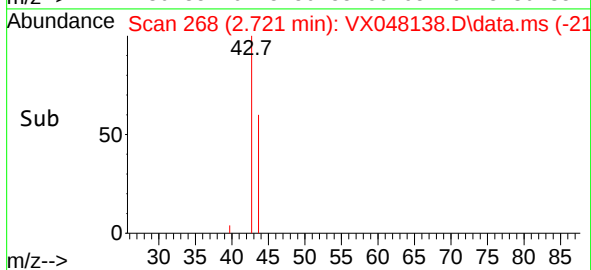
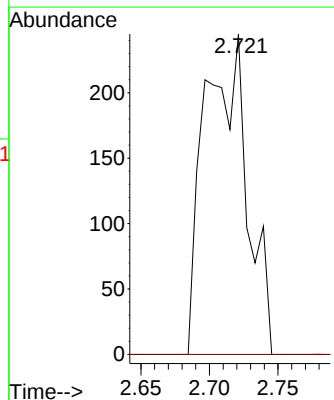
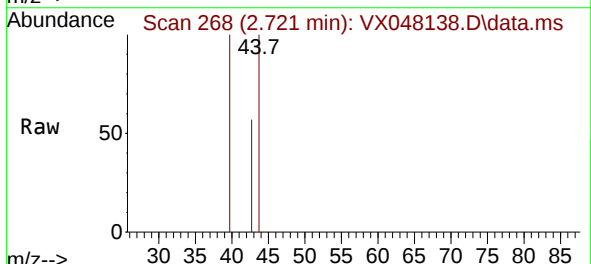
Instrument :
MSVOA_X
ClientSampleId :
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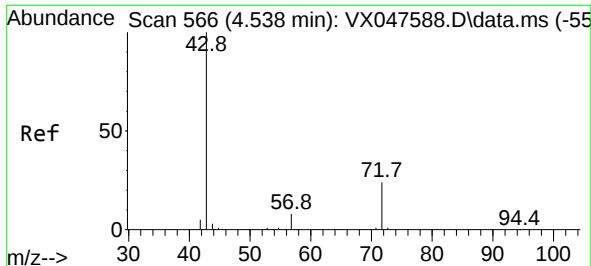
Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.018 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

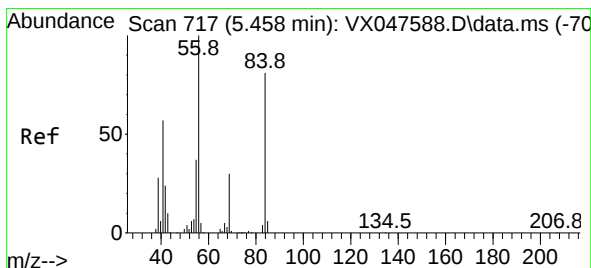
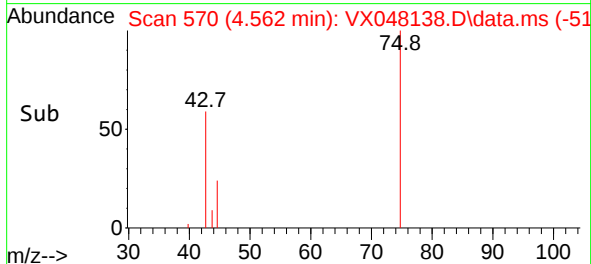
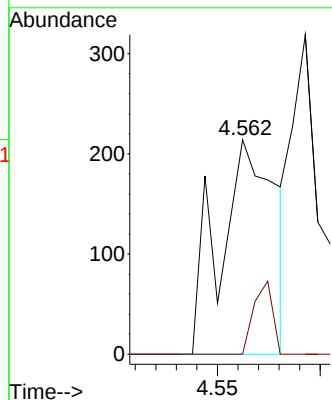
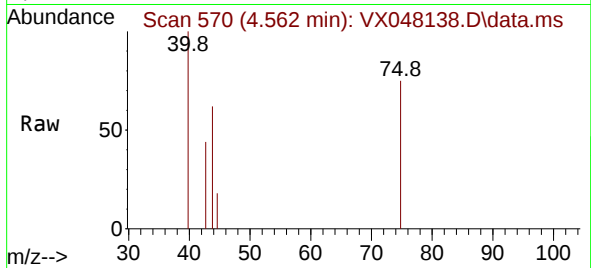




#25
2-Butanone
Concen: 0.343 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

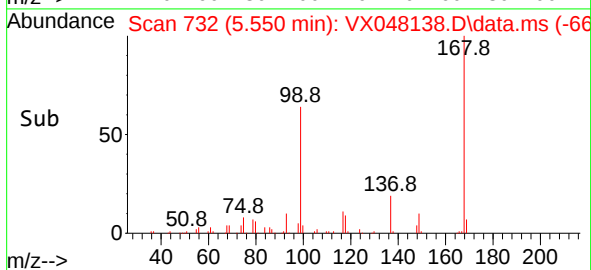
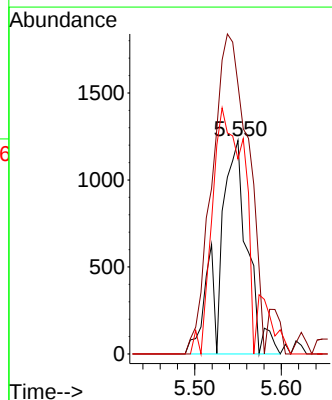
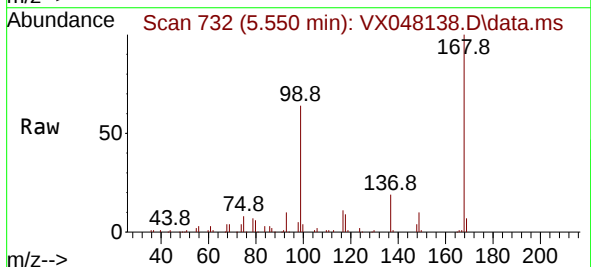
Instrument :
MSVOA_X
ClientSampleId :
MW-215DDL

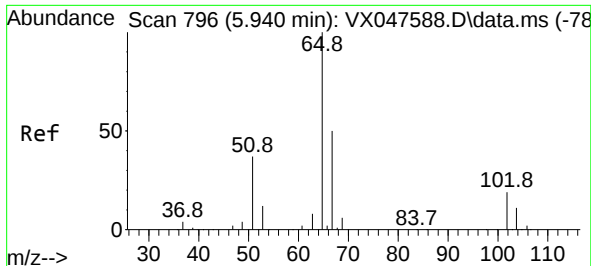
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion: 56 Resp: 2801
Ion Ratio Lower Upper
56 100
69 126.2 23.8 35.8#
84 91.4 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 54.570 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048138.D

Acq: 13 Oct 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

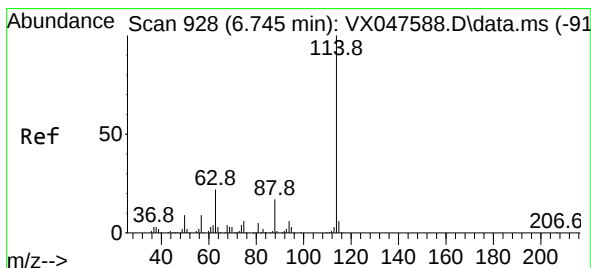
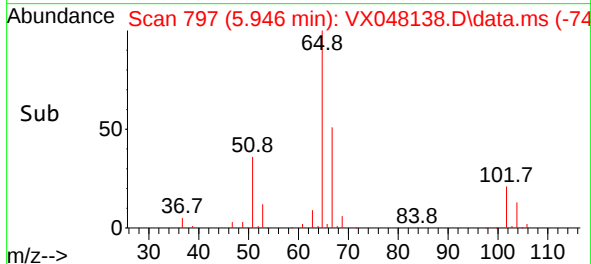
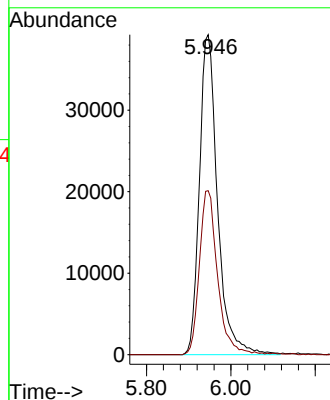
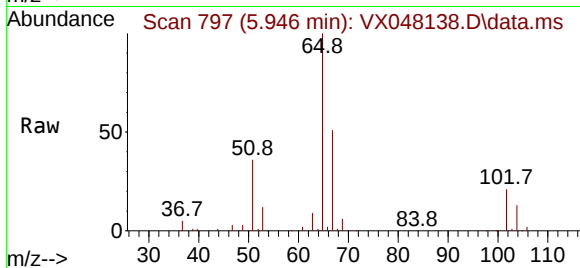
MW-215DDL

Tgt Ion: 65 Resp: 117332

Ion Ratio Lower Upper

65 100

67 51.5 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: VX048138.D

Acq: 13 Oct 2025 13:47

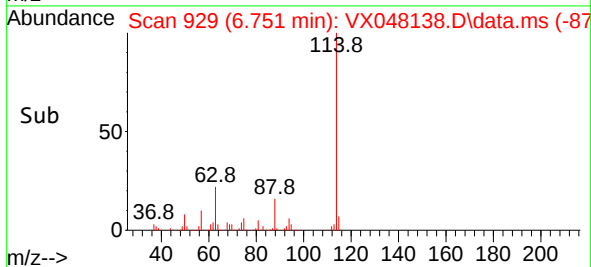
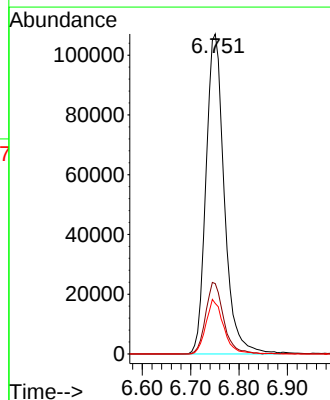
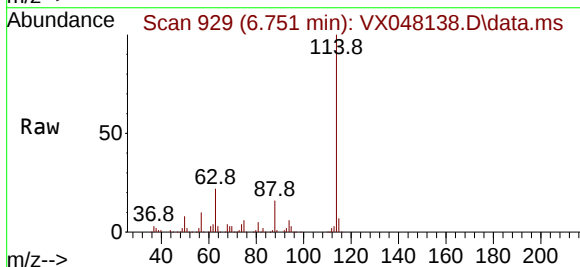
Tgt Ion: 114 Resp: 281533

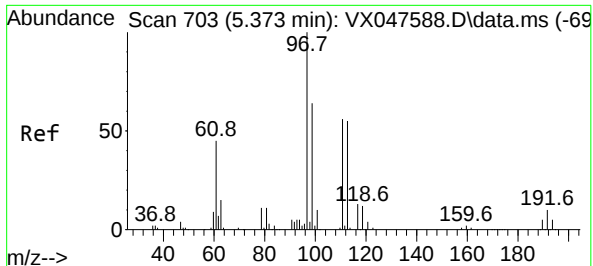
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.894 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048138.D

Acq: 13 Oct 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

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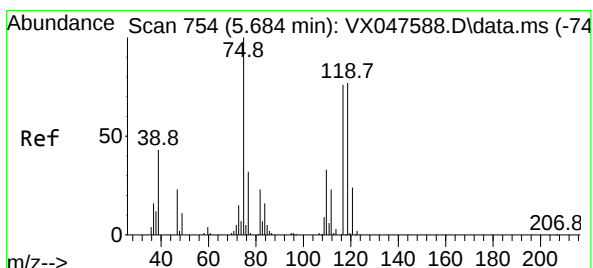
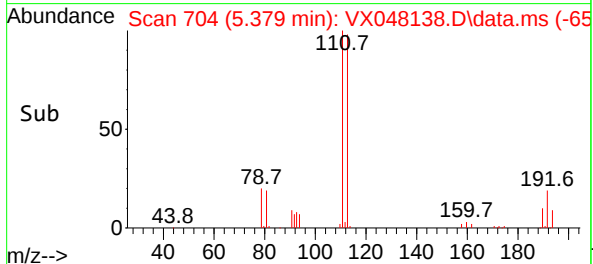
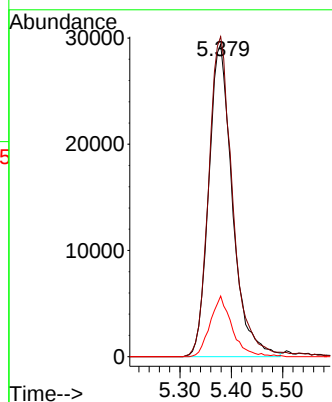
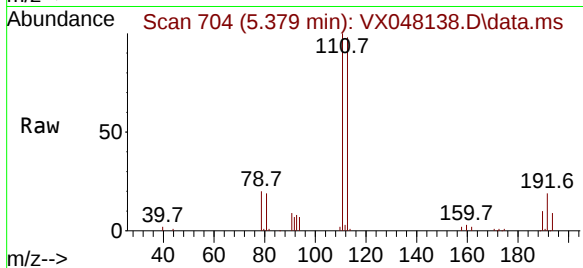
Tgt Ion:113 Resp: 94206

Ion Ratio Lower Upper

113 100

111 103.8 80.9 121.3

192 18.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.242 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX048138.D

Acq: 13 Oct 2025 13:47

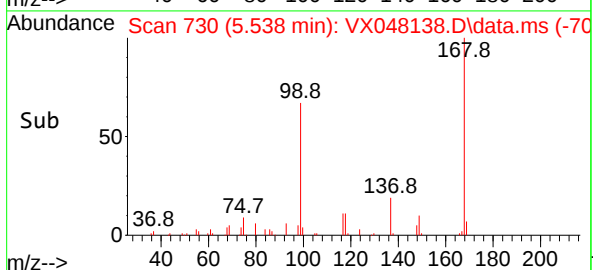
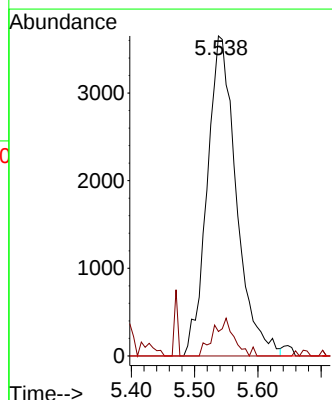
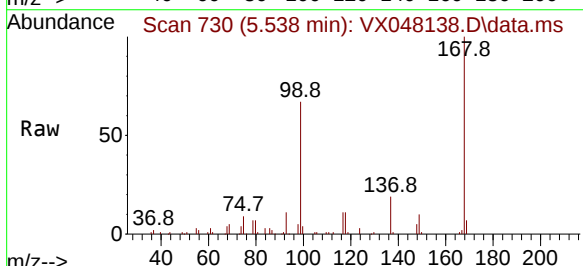
Tgt Ion: 75 Resp: 11704

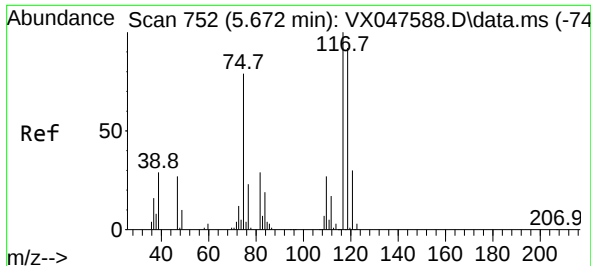
Ion Ratio Lower Upper

75 100

110 8.0 16.7 50.1#

77 0.0 24.3 36.5#

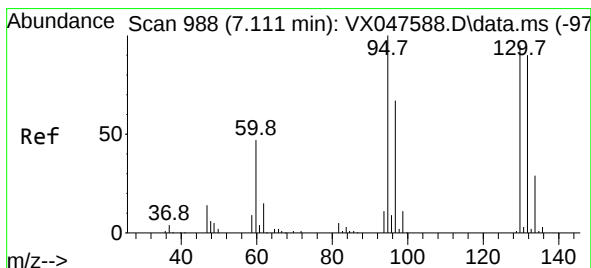
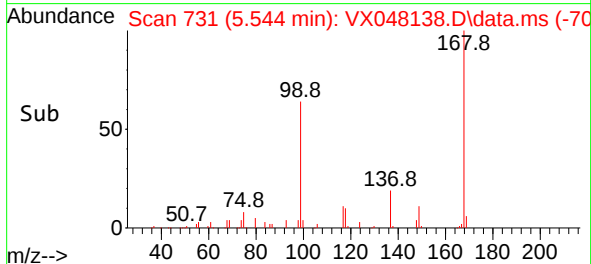
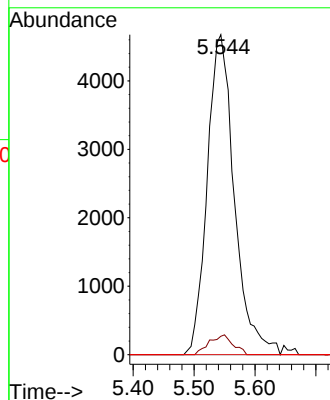
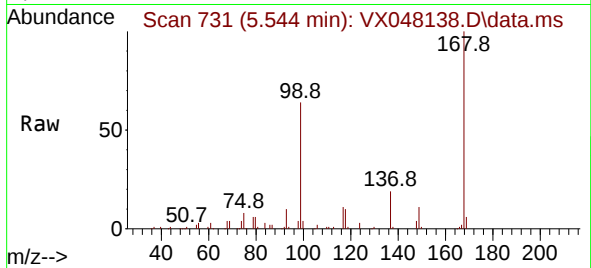




#38
Carbon Tetrachloride
Concen: 4.828 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

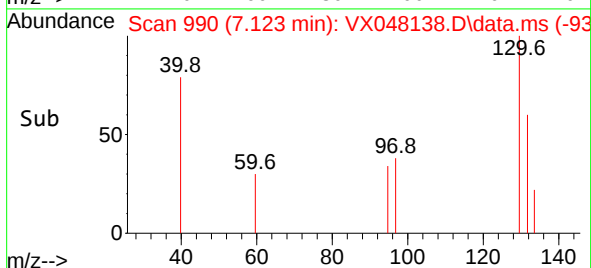
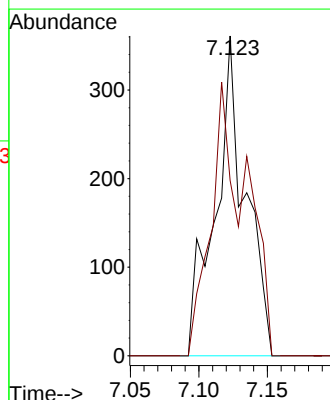
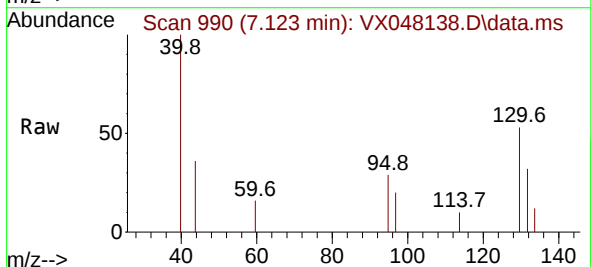
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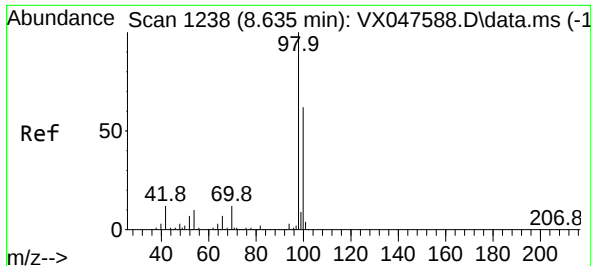
Tgt Ion:117 Resp: 14474
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.273 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion:130 Resp: 553
Ion Ratio Lower Upper
130 100
95 54.8 0.0 210.8

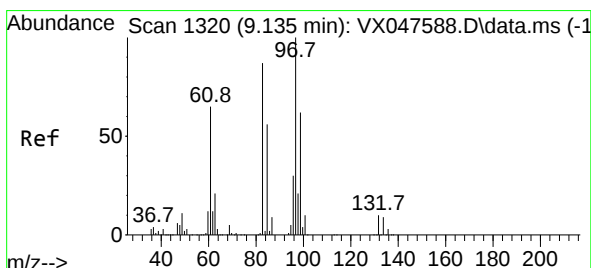
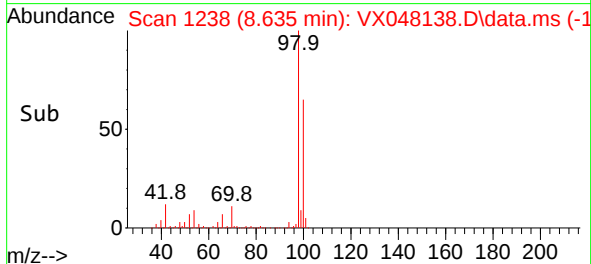
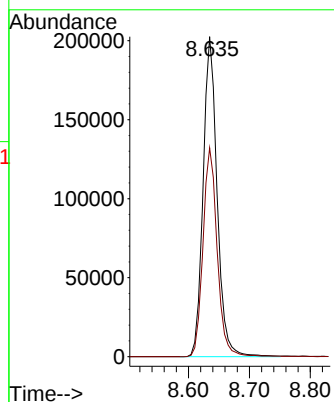
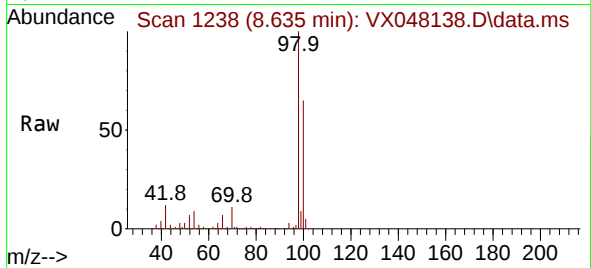




#50
Toluene-d8
Concen: 49.657 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

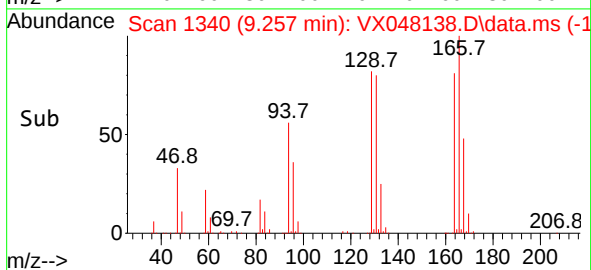
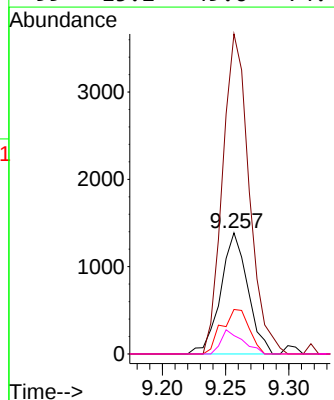
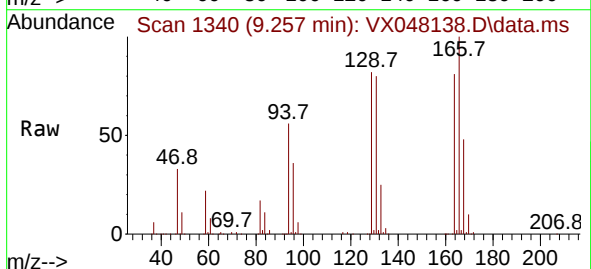
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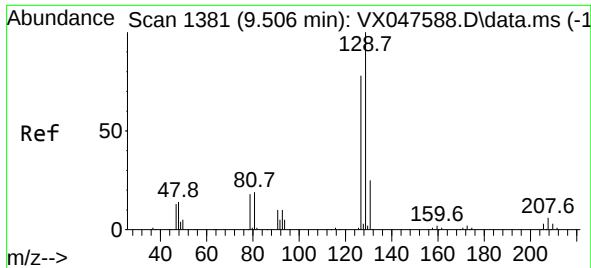
Tgt Ion: 98 Resp: 324424
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.038 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion: 97 Resp: 2066
Ion Ratio Lower Upper
97 100
83 264.2 69.6 104.4#
85 36.7 45.0 67.6#
99 15.2 49.6 74.4#

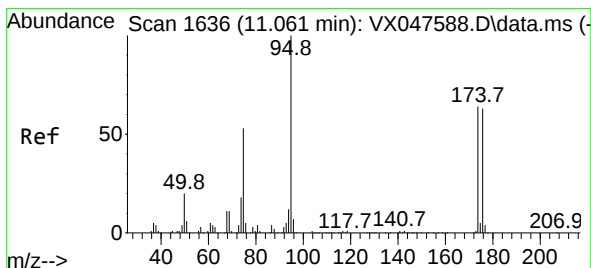
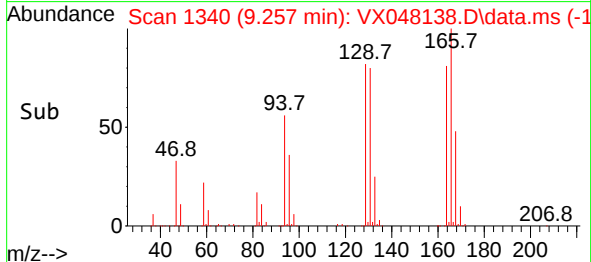
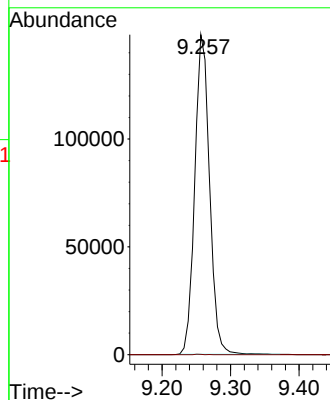
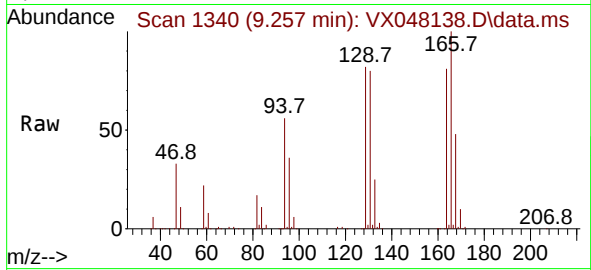




#60
Dibromochloromethane
Concen: 96.986 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

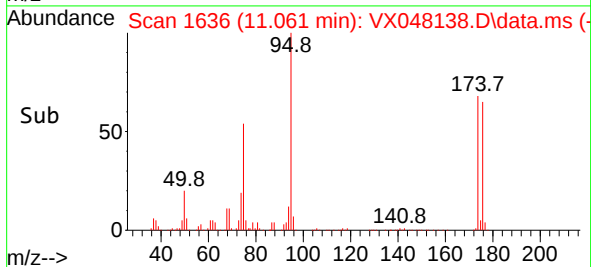
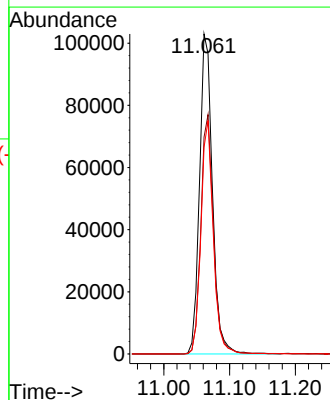
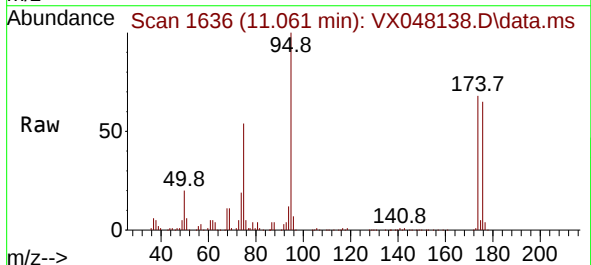
Instrument :
MSVOA_X
ClientSampleId :
MW-215DDL

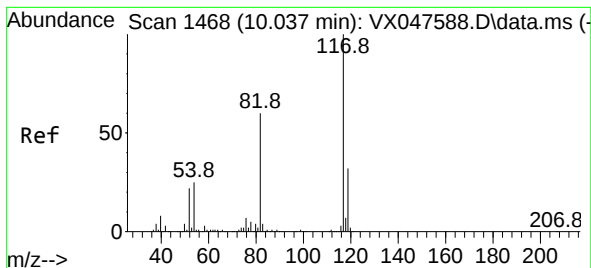
Tgt Ion:129 Resp: 222462
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.460 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion: 95 Resp: 139992
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.6
176 69.9 0.0 138.4

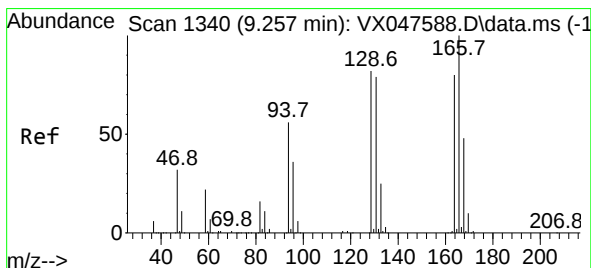
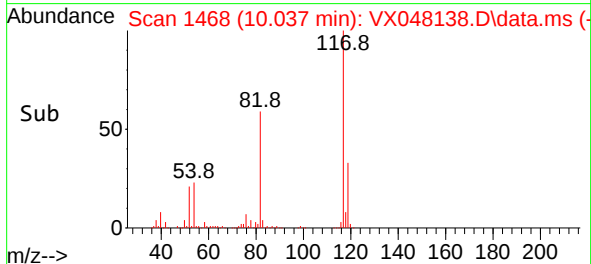
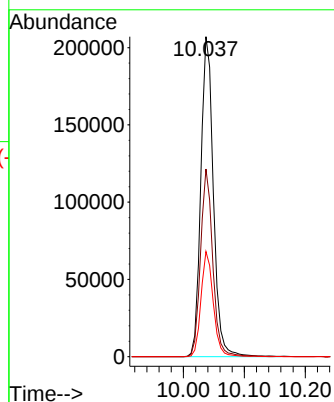
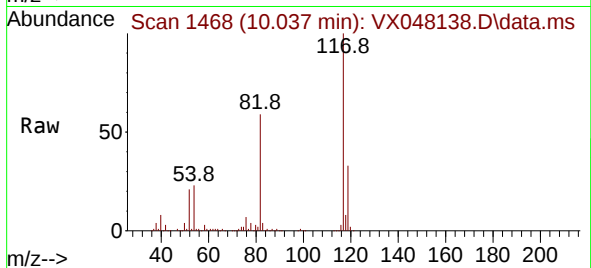




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

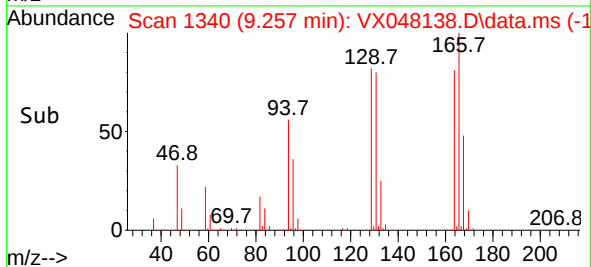
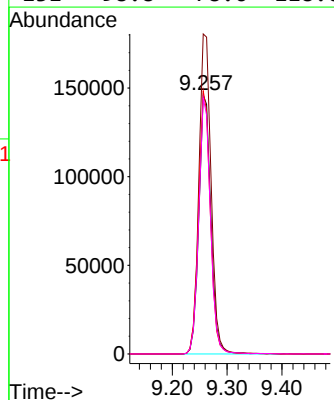
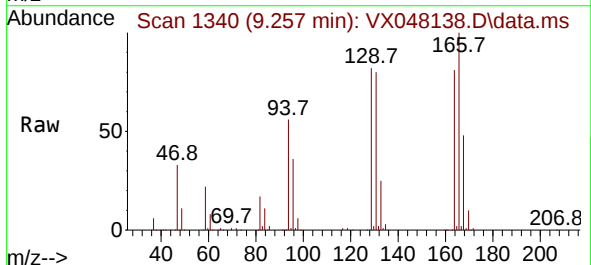
Instrument :
MSVOA_X
ClientSampleId :
MW-215DDL

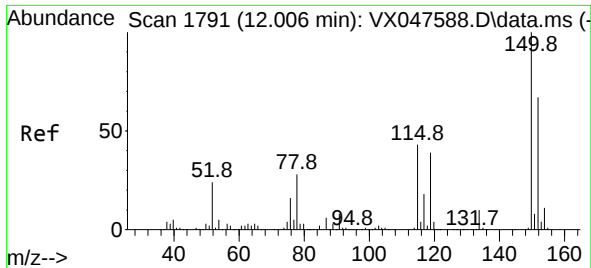
Tgt Ion:117 Resp: 297384
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.6
119 32.8 25.2 37.8



#64
Tetrachloroethene
Concen: 114.771 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048138.D
Acq: 13 Oct 2025 13:47

Tgt Ion:164 Resp: 222499
Ion Ratio Lower Upper
164 100
166 123.5 100.2 150.2
129 101.5 81.8 122.6
131 98.8 78.6 118.0

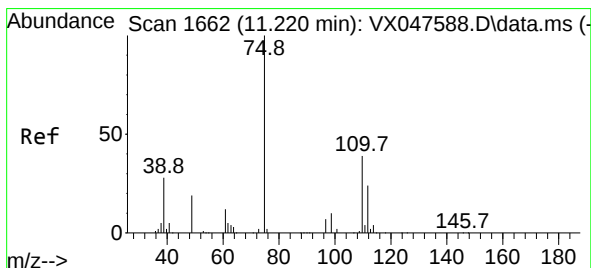
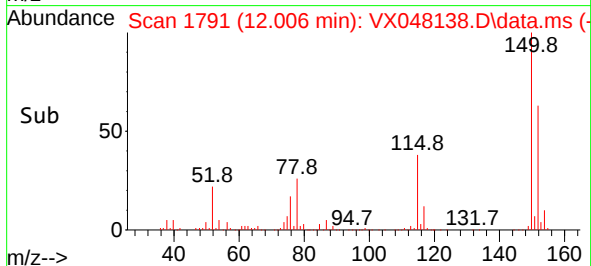
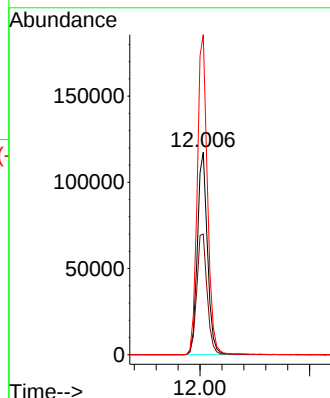
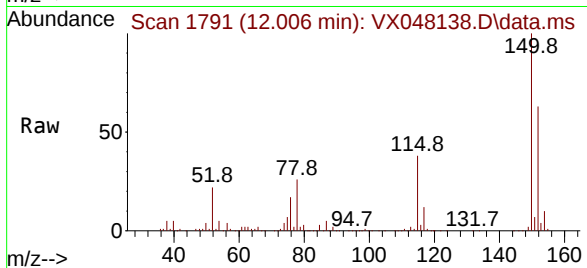




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048138.D
 Acq: 13 Oct 2025 13:47

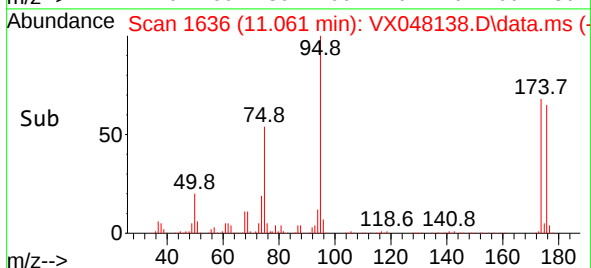
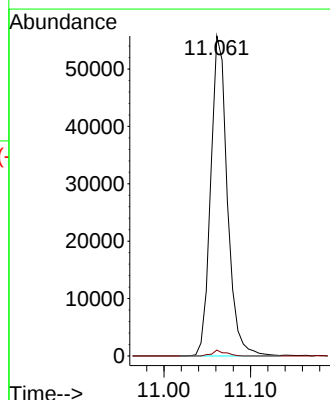
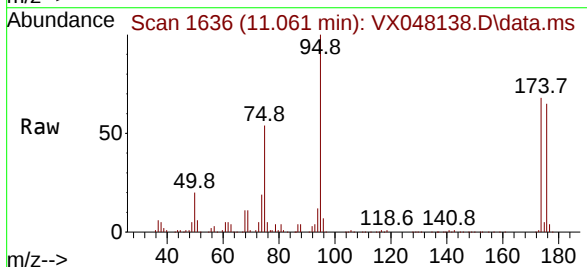
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-215DDL

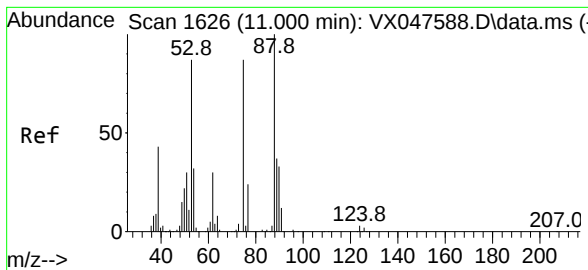
Tgt Ion:152 Resp: 150578
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.9 134.5
 150 159.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.455 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048138.D
 Acq: 13 Oct 2025 13:47

Tgt Ion: 75 Resp: 74556
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.363 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048138.D
 Acq: 13 Oct 2025 13:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-215DDL

Tgt Ion: 75 Resp: 74556
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

