

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047935.D
 Acq On : 01 Oct 2025 13:25
 Operator : JC/MD
 Sample : Q3193-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT20551-20250923

Quant Time: Oct 03 01:20:47 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

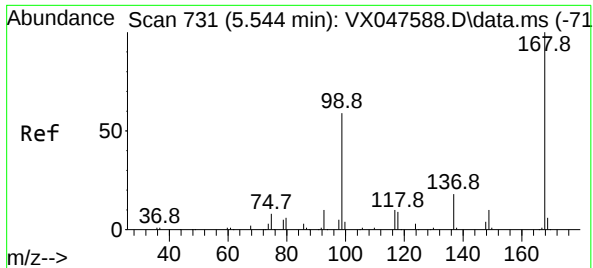
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	133993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	279255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116327	54.541	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.080%	
35) Dibromofluoromethane	5.373	113	94137	50.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.520%	
50) Toluene-d8	8.635	98	321080	49.546	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	11.067	95	138083	56.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	791	3.330	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	481	0.302	ug/l #	77
13) Acrolein	2.239	56	44	0.201	ug/l #	14
16) Acetone	2.380	43	1968	2.122	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	1698	0.292	ug/l	94
24) 1,1-Dichloroethane	3.611	63	1756	0.519	ug/l #	90
30) Chloroform	5.086	83	1403	0.410	ug/l	90
31) Cyclohexane	5.538	56	3217	1.141	ug/l #	13
36) 1,1-Dichloropropene	5.538	75	11899	4.348	ug/l #	50
38) Carbon Tetrachloride	5.544	117	14526	4.885	ug/l #	18
44) Trichloroethene	7.117	130	13307	6.622	ug/l	83
52) Toluene	8.708	92	5959	1.164	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.153	63	18	7.904	ug/l #	47
60) Dibromochloromethane	9.263	129	691	0.304	ug/l #	11
64) Tetrachloroethene	9.263	164	595	0.313	ug/l #	91
76) 1,2,3-Trichloropropane	11.067	75	71907	25.070	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	71907	63.933	ug/l #	8

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

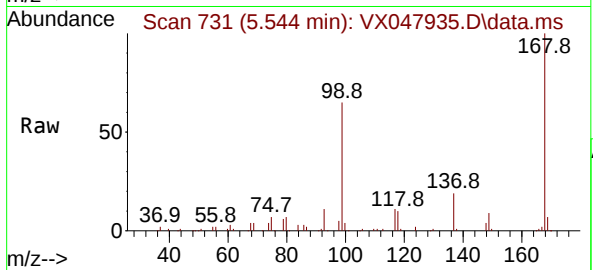
Quant Time: Oct 03 01:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



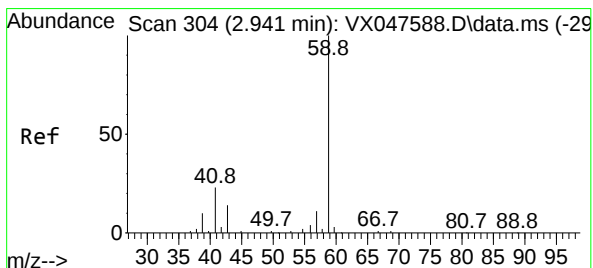
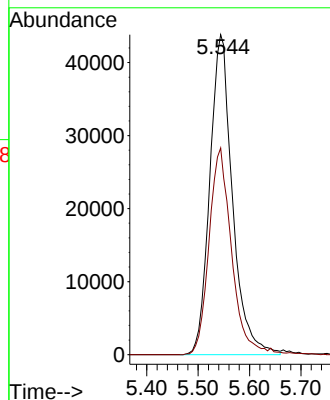
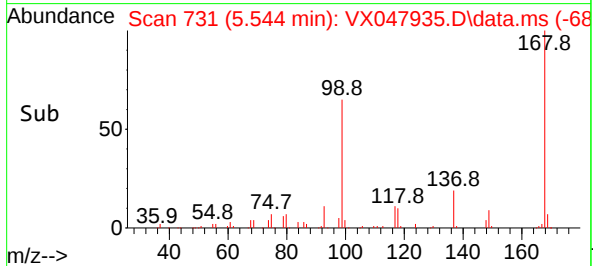


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

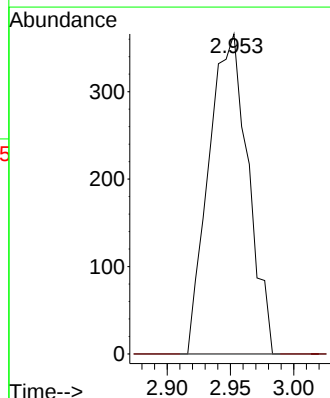
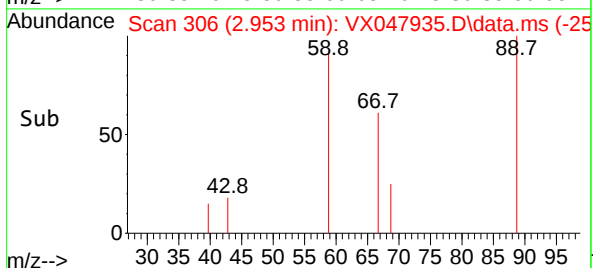
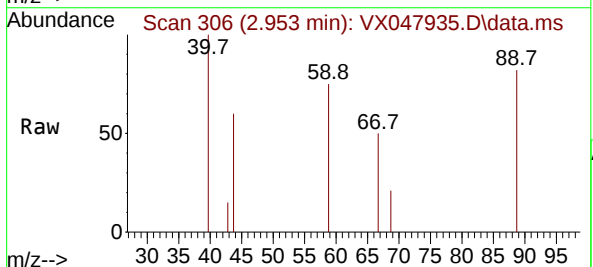


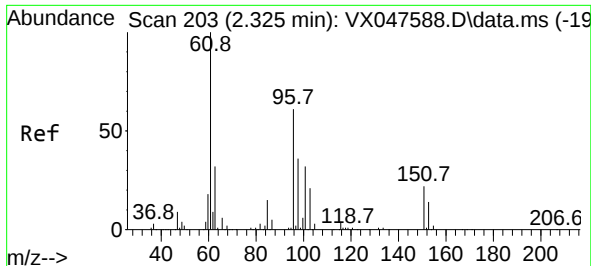
Tgt Ion:168 Resp: 133993
Ion Ratio Lower Upper
168 100
99 64.6 48.8 73.2



#11
Tert butyl alcohol
Concen: 3.330 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.302 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047935.D

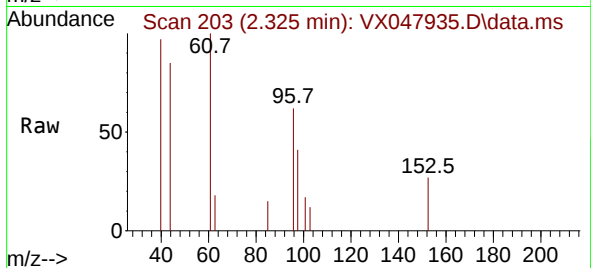
Acq: 01 Oct 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

TT20551-20250923



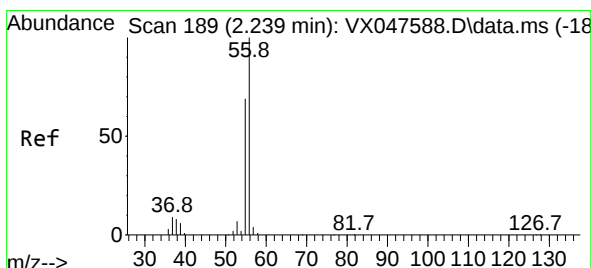
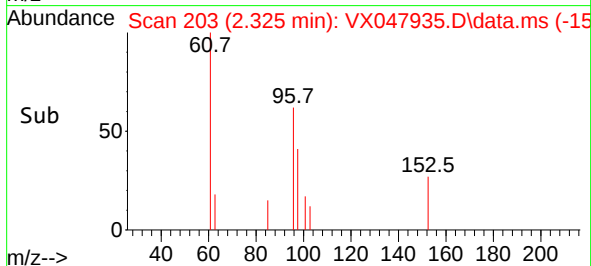
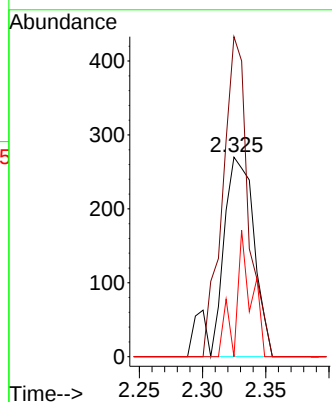
Tgt Ion: 96 Resp: 481

Ion Ratio Lower Upper

96 100

61 160.4 131.0 196.6

98 0.0 47.7 71.5#



#13

Acrolein

Concen: 0.201 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX047935.D

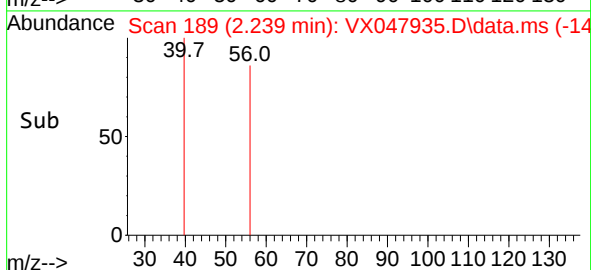
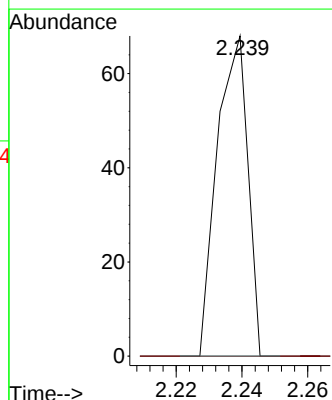
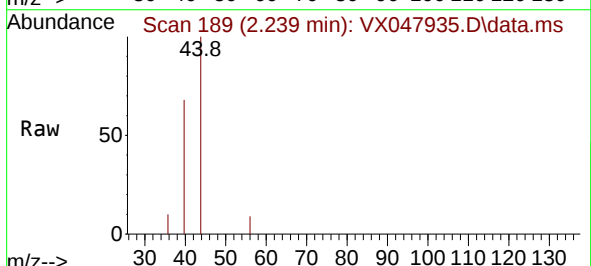
Acq: 01 Oct 2025 13:25

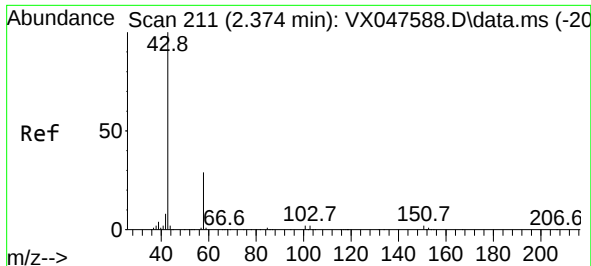
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#

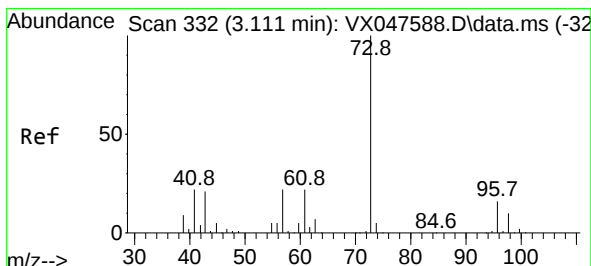
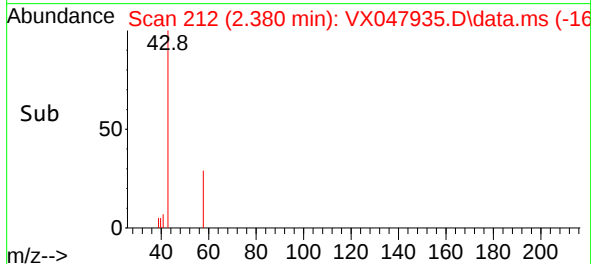
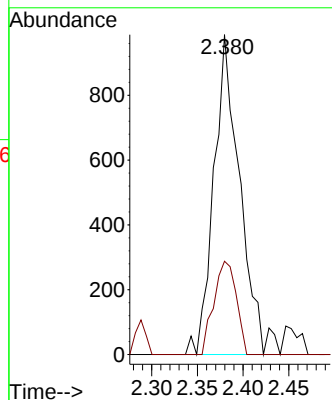
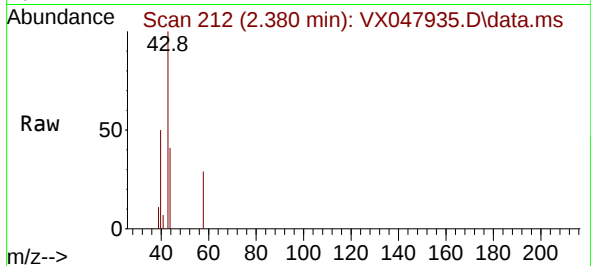




#16
Acetone
Concen: 2.122 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

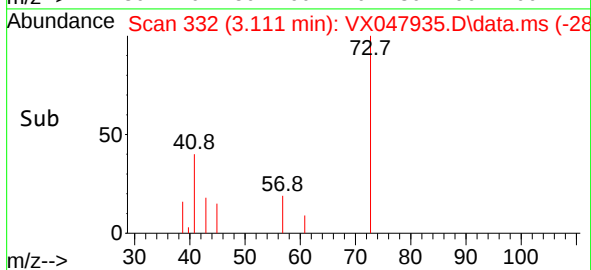
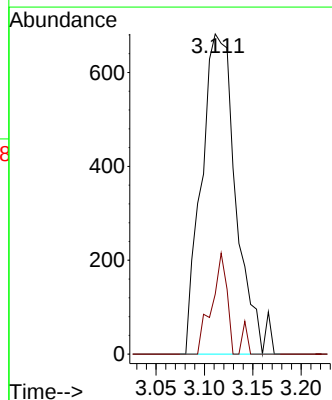
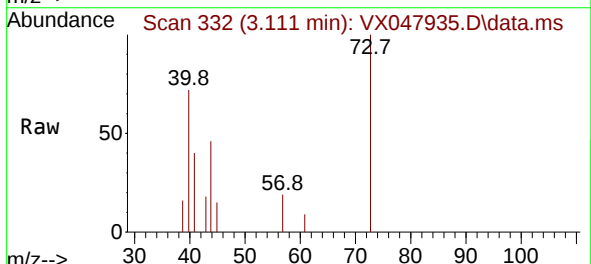
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

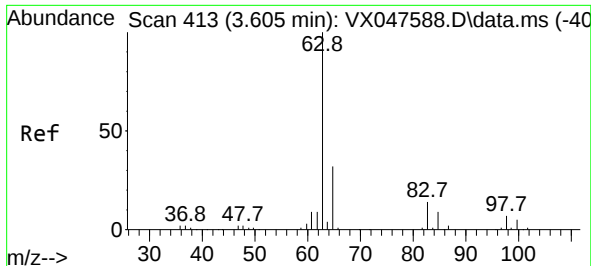
Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
58 30.4 23.4 35.0



#19
Methyl tert-butyl Ether
Concen: 0.292 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 73 Resp: 1698
Ion Ratio Lower Upper
73 100
57 18.8 17.4 26.2

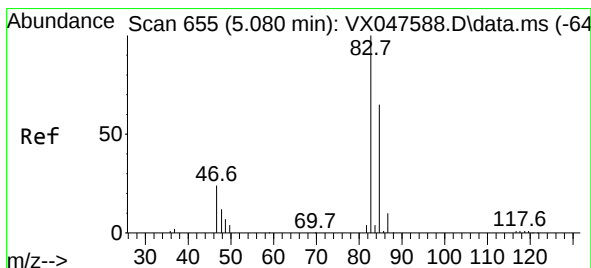
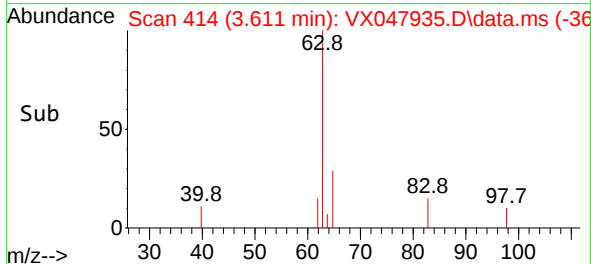
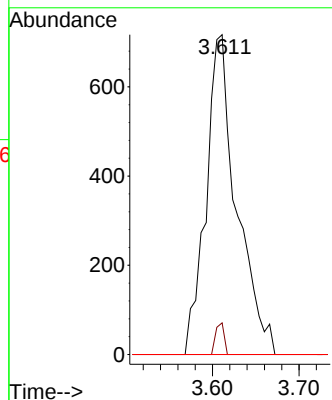
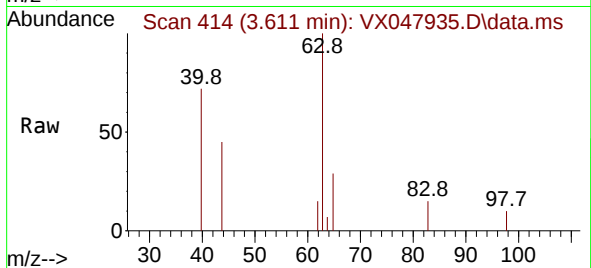




#24
1,1-Dichloroethane
Concen: 0.519 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

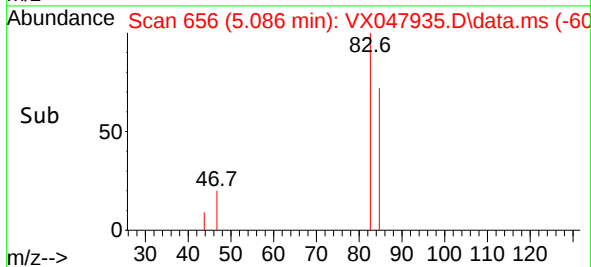
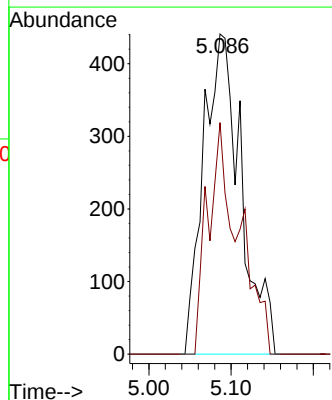
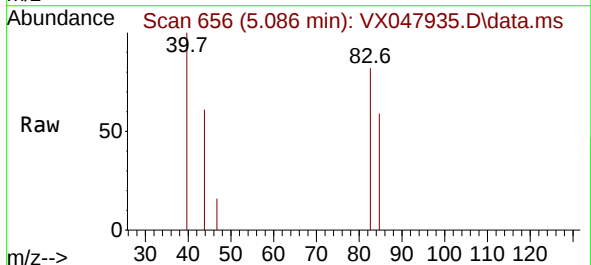
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

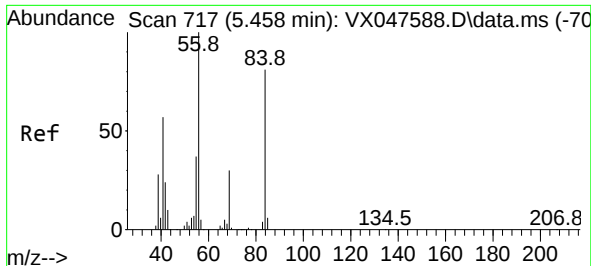
Tgt Ion: 63 Resp: 1756
Ion Ratio Lower Upper
63 100
98 9.9 3.8 11.2
100 0.0 2.3 6.9#



#30
Chloroform
Concen: 0.410 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 83 Resp: 1403
Ion Ratio Lower Upper
83 100
85 72.3 51.8 77.6

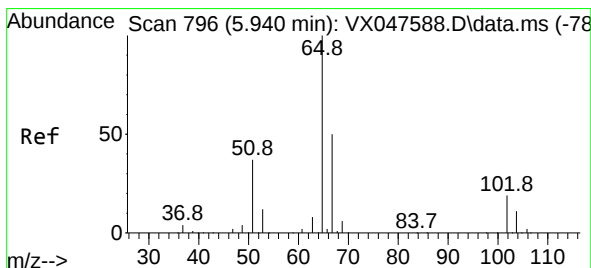
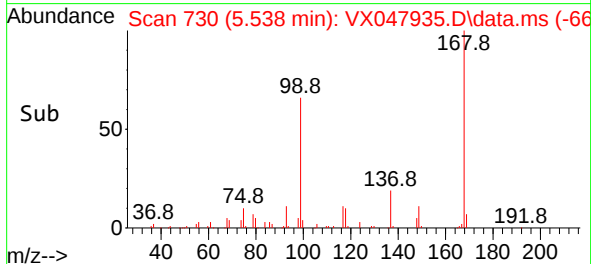
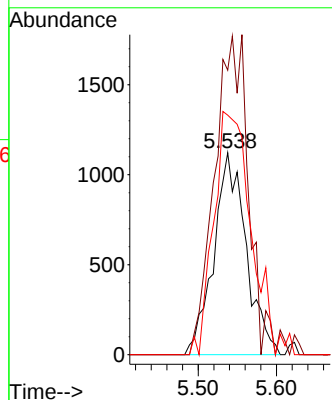
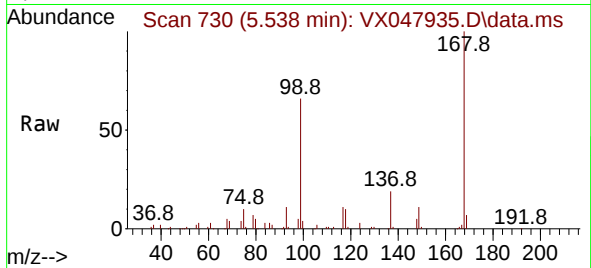




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

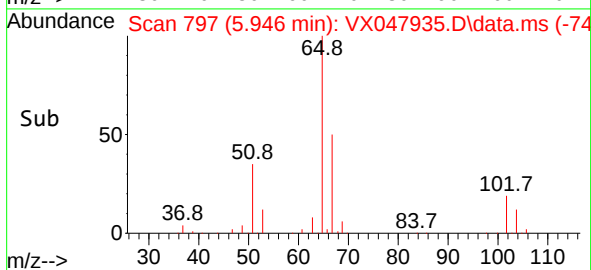
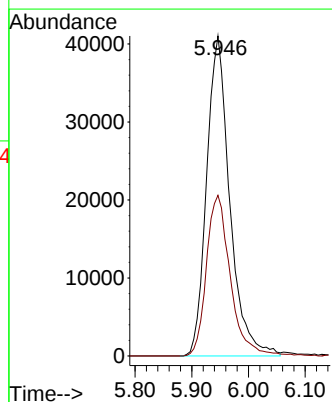
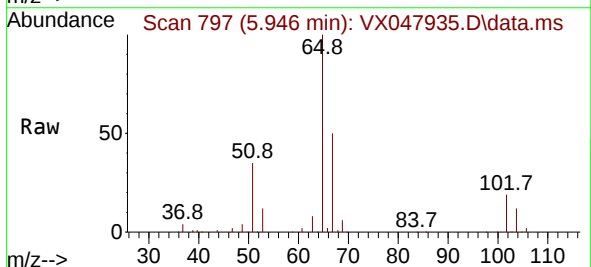
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

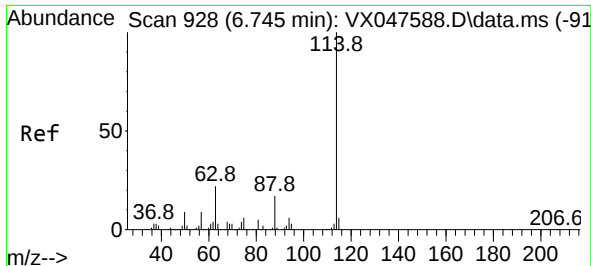
Tgt Ion: 56 Resp: 3217
Ion Ratio Lower Upper
56 100
69 140.9 23.8 35.8#
84 118.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.541 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

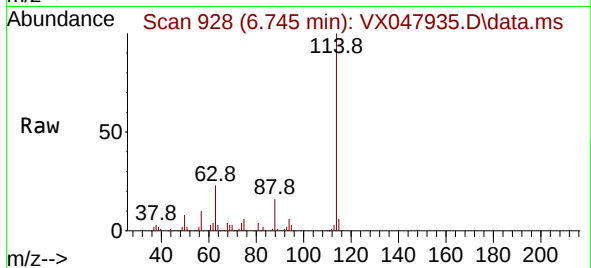
Tgt Ion: 65 Resp: 116327
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0



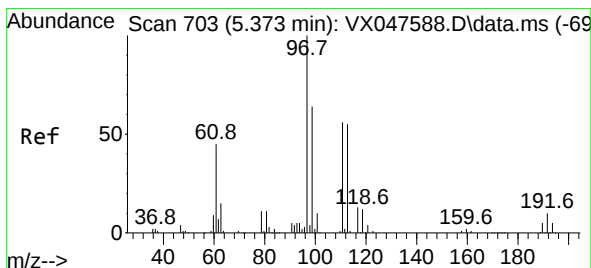
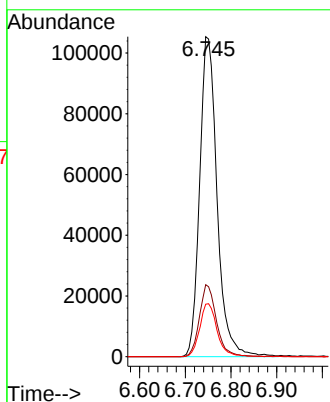
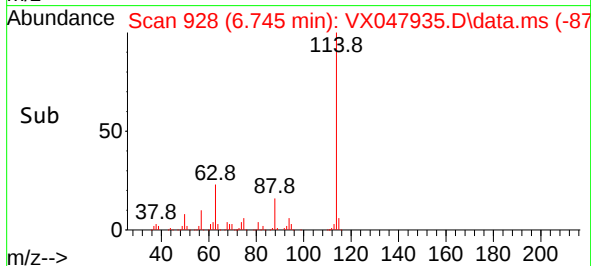


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

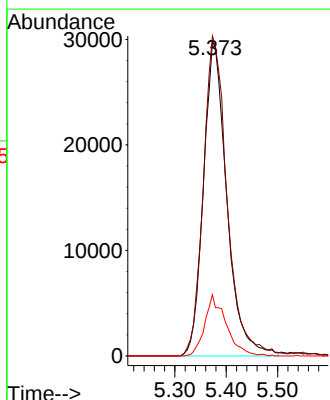
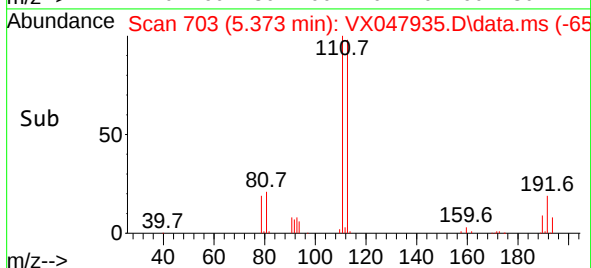
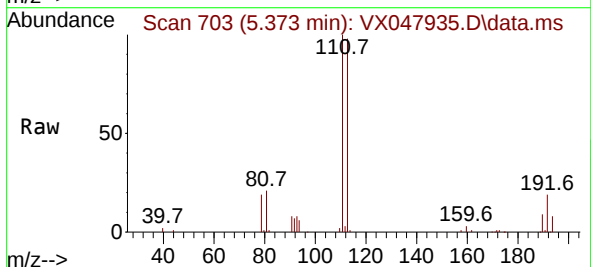


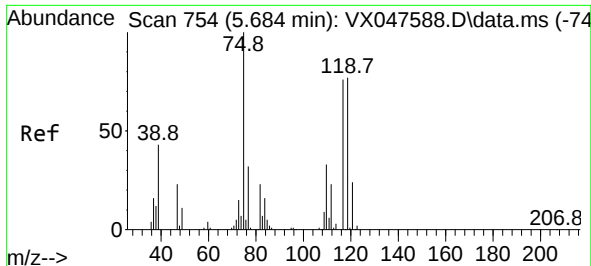
Tgt Ion:114 Resp: 279255
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.4 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.264 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion:113 Resp: 94137
Ion Ratio Lower Upper
113 100
111 103.6 80.9 121.3
192 17.9 14.2 21.4

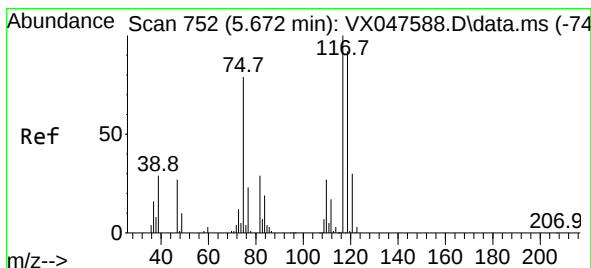
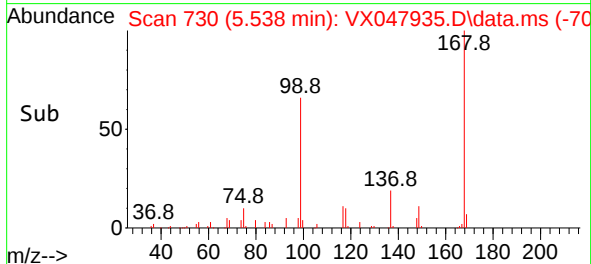
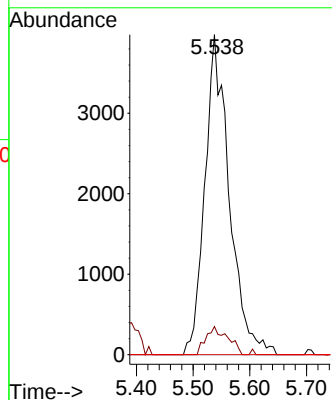
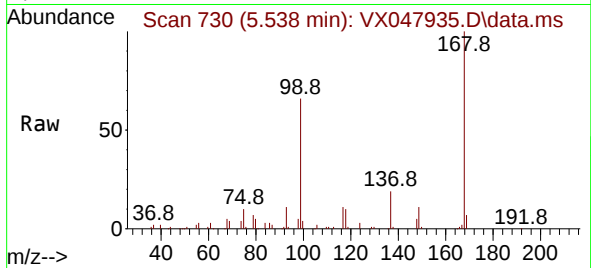




#36
1,1-Dichloropropene
Concen: 4.348 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

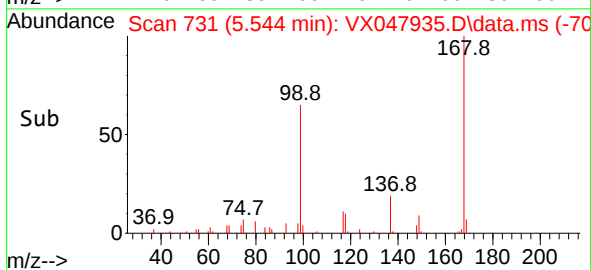
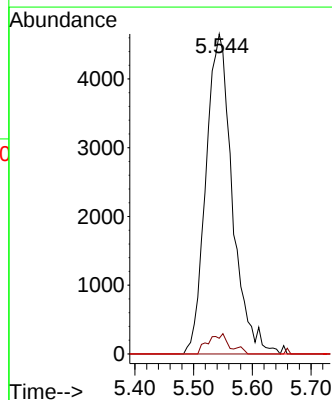
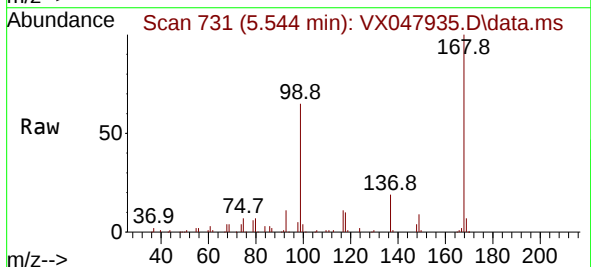
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

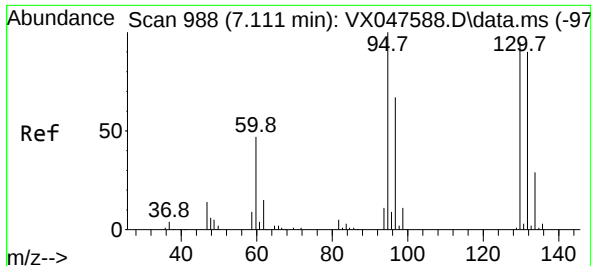
Tgt Ion: 75 Resp: 11899
Ion Ratio Lower Upper
75 100
110 7.8 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.885 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 117 Resp: 14526
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 23.8 35.6#

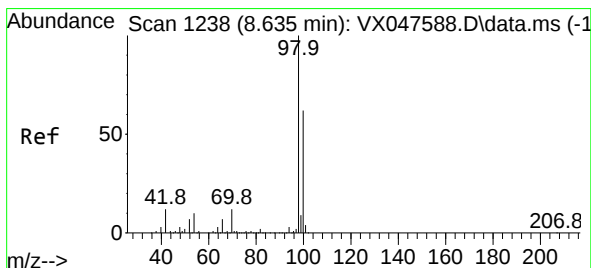
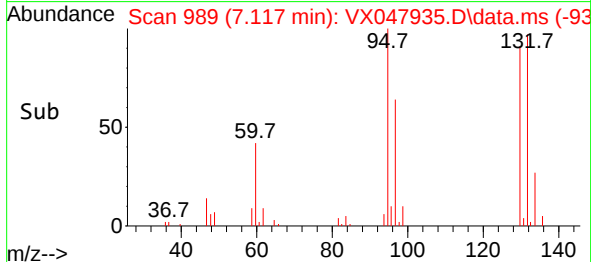
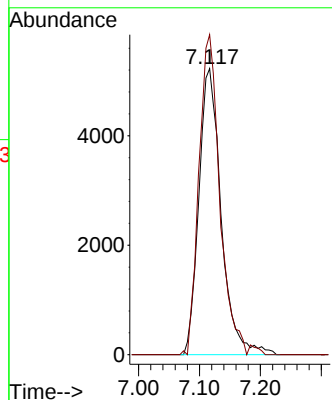
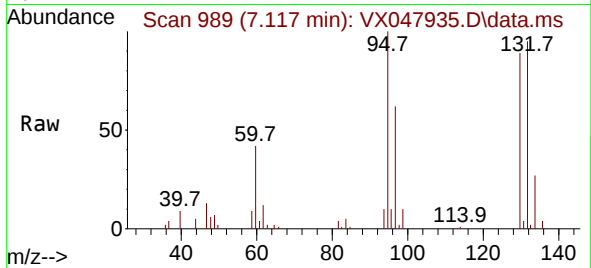




#44
Trichloroethene
Concen: 6.622 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

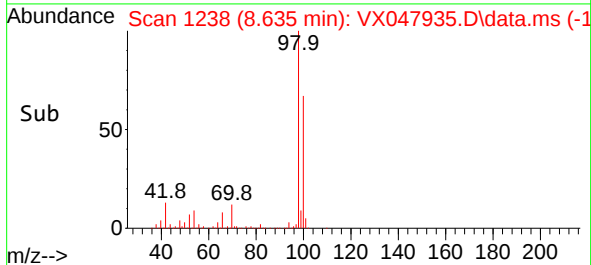
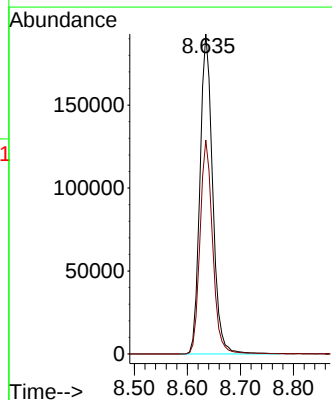
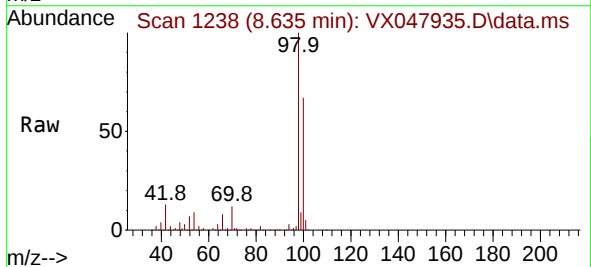
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

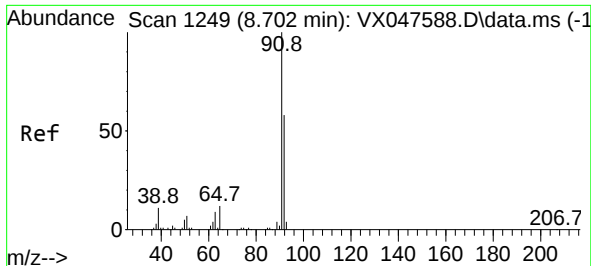
Tgt Ion:130 Resp: 13307
Ion Ratio Lower Upper
130 100
95 123.0 0.0 210.8



#50
Toluene-d8
Concen: 49.546 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 98 Resp: 321080
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4

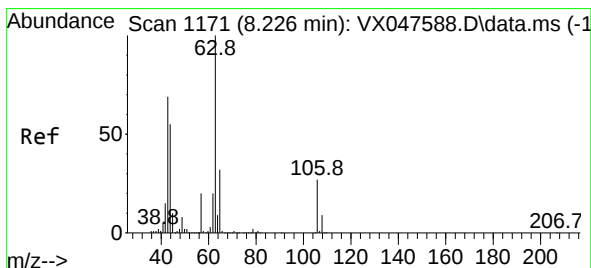
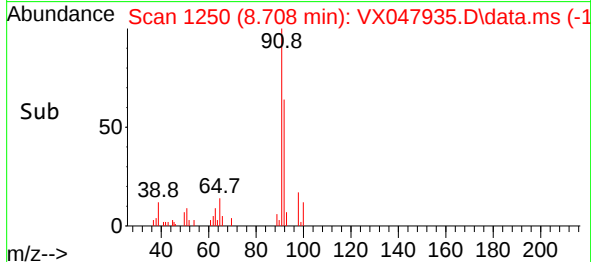
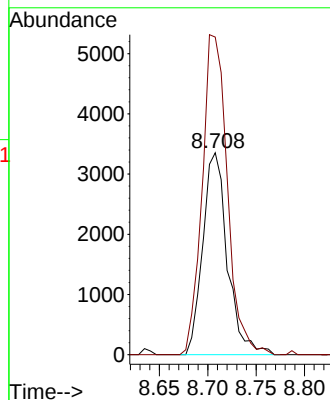
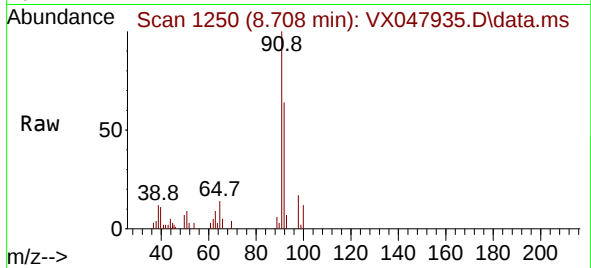




#52
Toluene
Concen: 1.164 ug/l
RT: 8.708 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

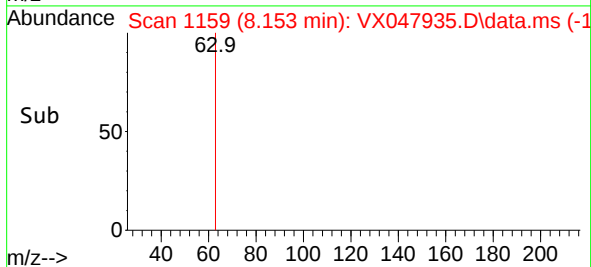
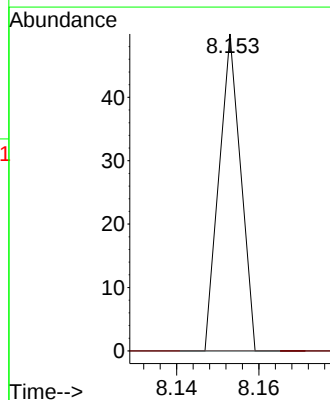
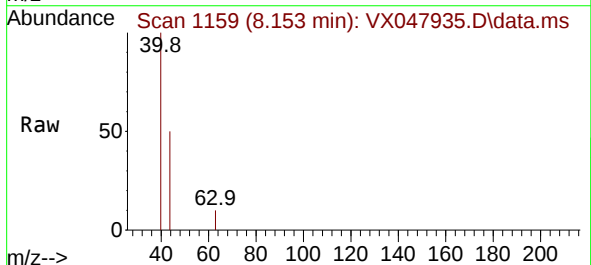
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

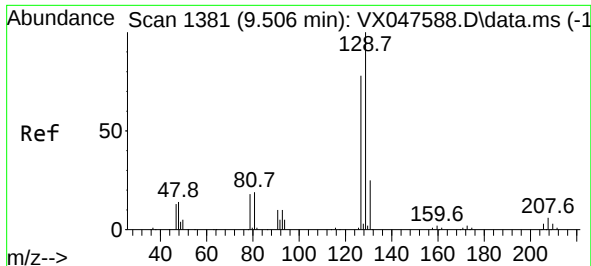
Tgt Ion: 92 Resp: 5959
Ion Ratio Lower Upper
92 100
91 162.1 137.1 205.7



#58
2-Chloroethyl Vinyl ether
Concen: 7.904 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#

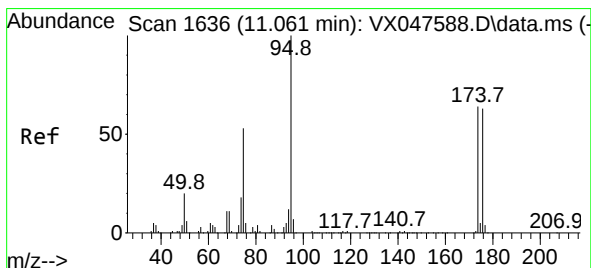
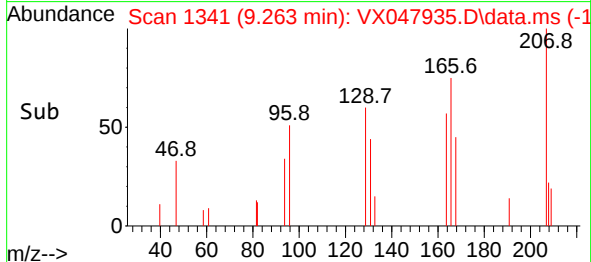
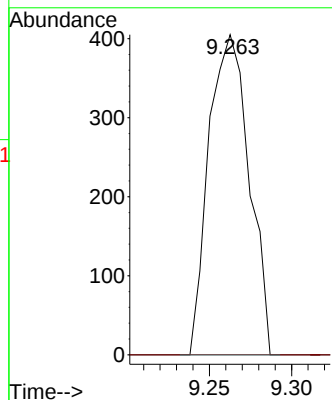
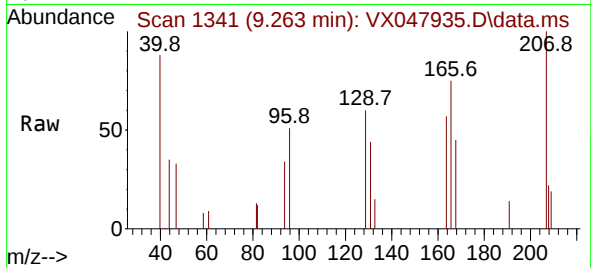




#60
Dibromochloromethane
Concen: 0.304 ug/l
RT: 9.263 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

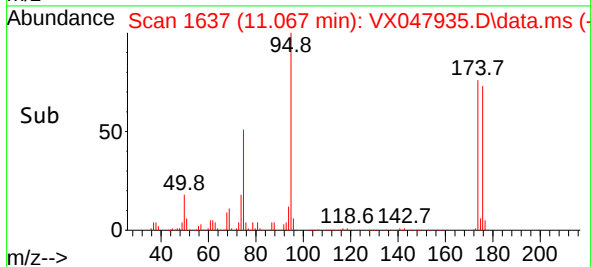
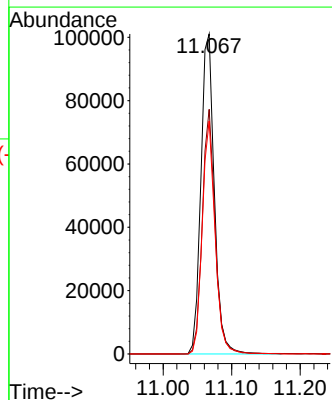
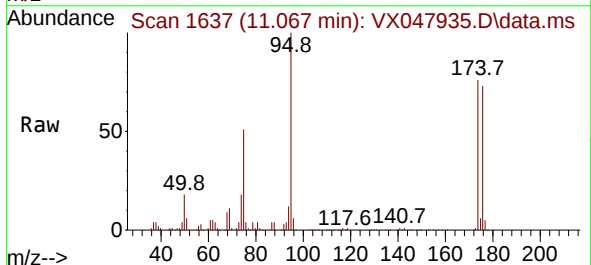
Instrument :
MSVOA_X
ClientSampleId :
TT20551-20250923

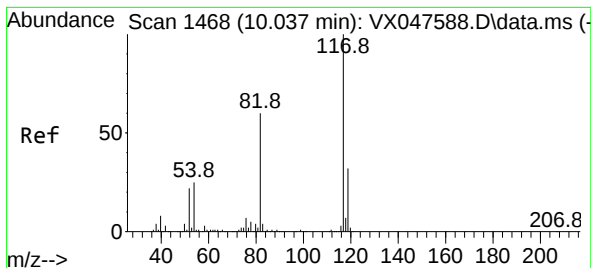
Tgt Ion:129 Resp: 691
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 56.144 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047935.D
Acq: 01 Oct 2025 13:25

Tgt Ion: 95 Resp: 138083
Ion Ratio Lower Upper
95 100
174 73.2 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: VX047935.D

Acq: 01 Oct 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

TT20551-20250923

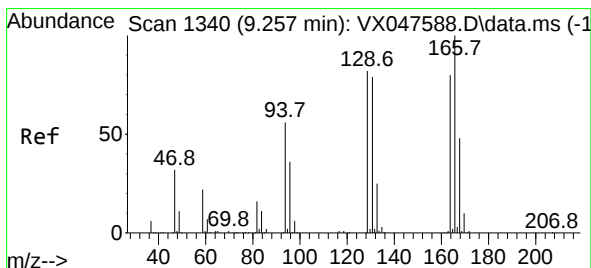
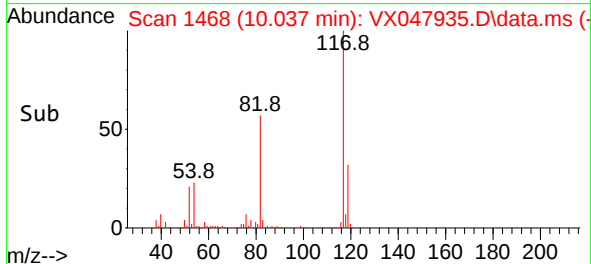
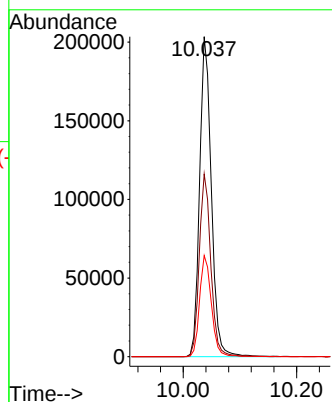
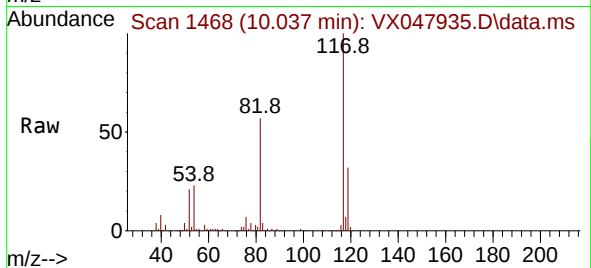
Tgt Ion:117 Resp: 291356

Ion Ratio Lower Upper

117 100

82 57.1 47.8 71.6

119 31.6 25.2 37.8



#64

Tetrachloroethene

Concen: 0.313 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047935.D

Acq: 01 Oct 2025 13:25

Tgt Ion:164 Resp: 595

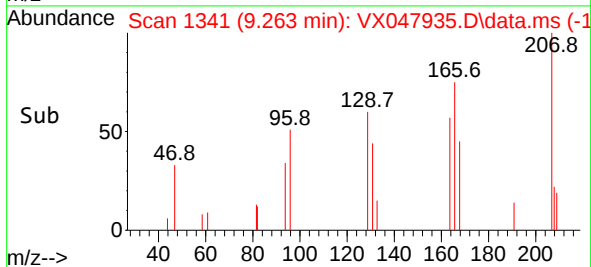
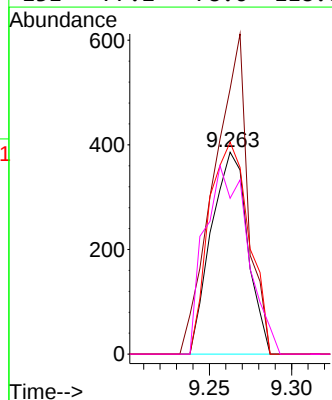
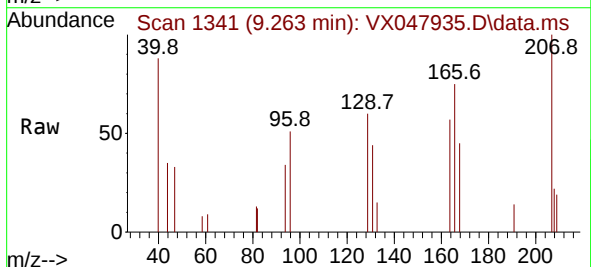
Ion Ratio Lower Upper

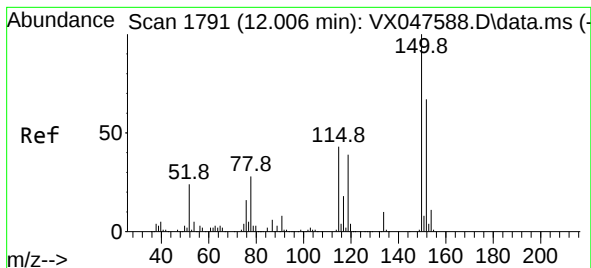
164 100

166 131.3 100.2 150.2

129 104.9 81.8 122.6

131 77.2 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: VX047935.D

Acq: 01 Oct 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

TT20551-20250923

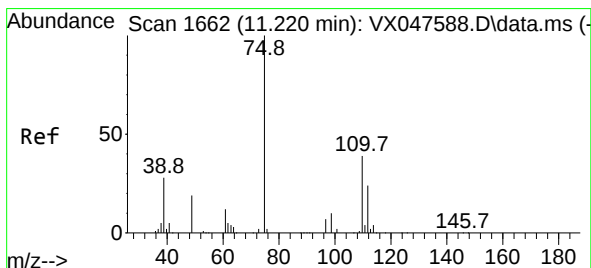
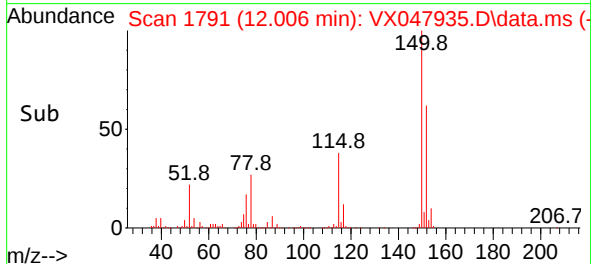
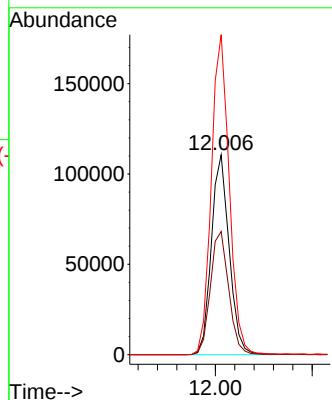
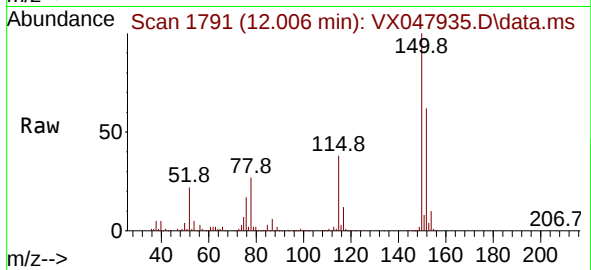
Tgt Ion:152 Resp: 141662

Ion Ratio Lower Upper

152 100

115 63.7 44.9 134.5

150 161.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 25.070 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.152 min

Lab File: VX047935.D

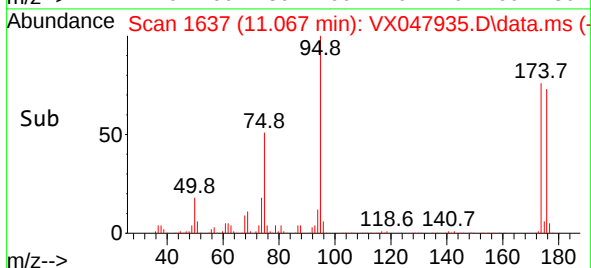
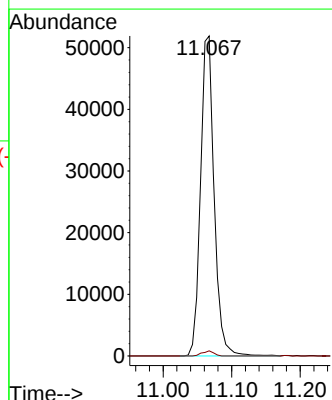
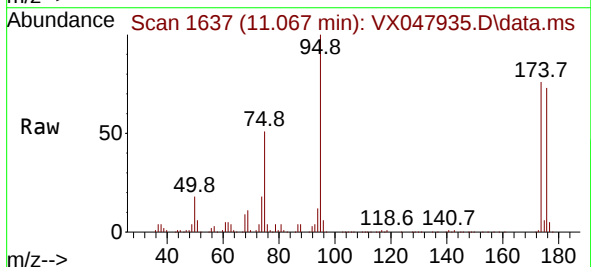
Acq: 01 Oct 2025 13:25

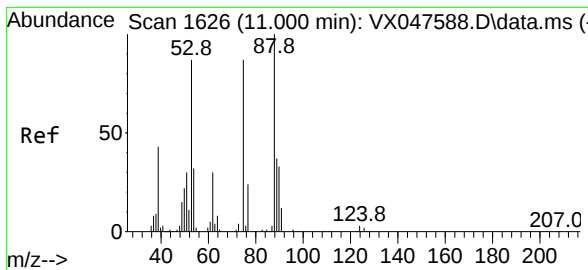
Tgt Ion: 75 Resp: 71907

Ion Ratio Lower Upper

75 100

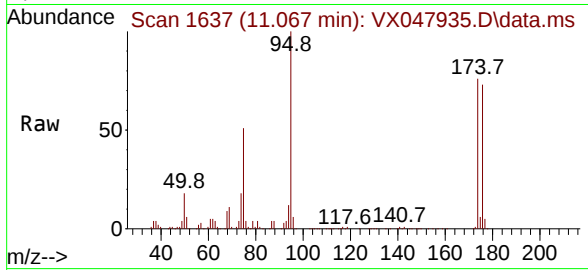
77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.933 ug/l
 RT: 11.067 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX047935.D
 Acq: 01 Oct 2025 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 TT20551-20250923



Tgt Ion: 75 Resp: 71907
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

