

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047747.D
 Acq On : 24 Sep 2025 03:11
 Operator : JC/MD
 Sample : VX0923WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBL02

Quant Time: Sep 24 03:44:03 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)

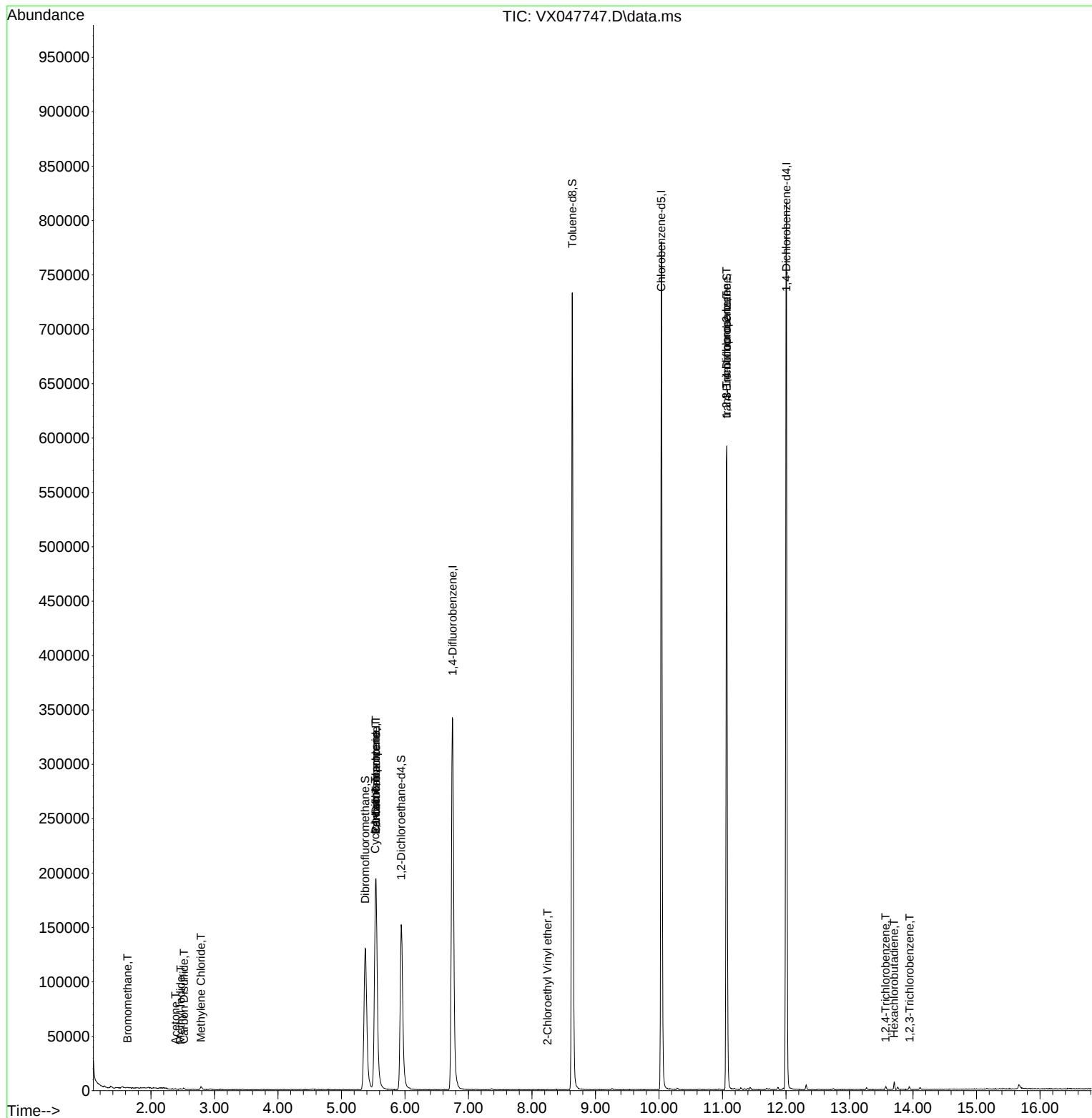
Internal Standards						
1) Pentafluorobenzene	5.544	168	197095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	377977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	356070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	171478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	162215	51.706	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.420%			
35) Dibromofluoromethane	5.373	113	128776	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	8.635	98	440529	50.224	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.067	95	172255	51.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.500%			
Target Compounds			Qvalue			
5) Bromomethane	1.630	94	451	0.271	ug/l	100
10) Methyl Iodide	2.465	142	1012	0.285	ug/l #	91
16) Acetone	2.386	43	878	0.644	ug/l #	45
17) Carbon Disulfide	2.520	76	1292	0.202	ug/l #	88
20) Methylene Chloride	2.788	84	1393	0.482	ug/l #	83
31) Cyclohexane	5.532	56	4483	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	16076	4.340	ug/l #	52
38) Carbon Tetrachloride	5.544	117	20918	5.198	ug/l #	19
58) 2-Chloroethyl Vinyl ether	8.245	63	21	7.903	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	89539	25.790	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	89539	65.767	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.567	180	979	0.265	ug/l	85
94) Hexachlorobutadiene	13.701	225	879	0.701	ug/l	78
96) 1,2,3-Trichlorobenzene	13.945	180	745	0.217	ug/l	88

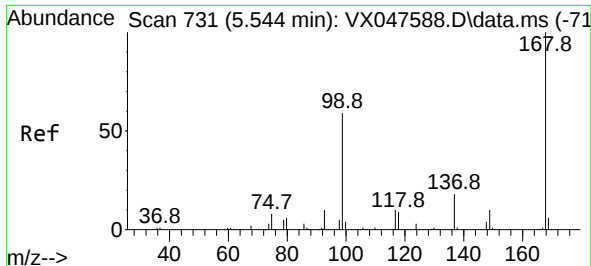
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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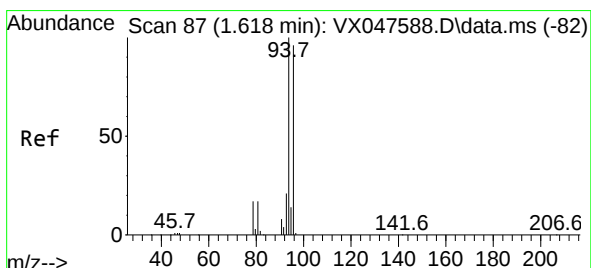
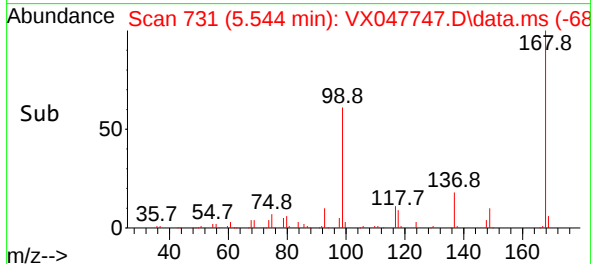
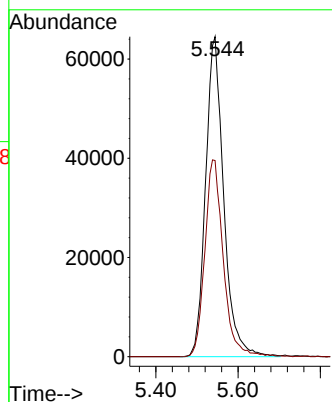
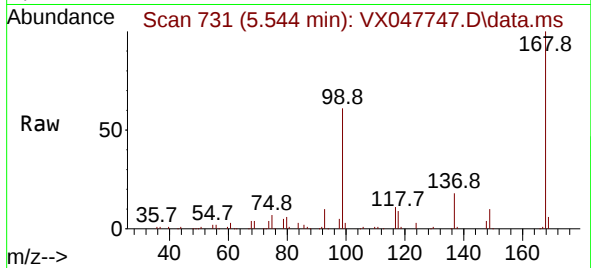




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

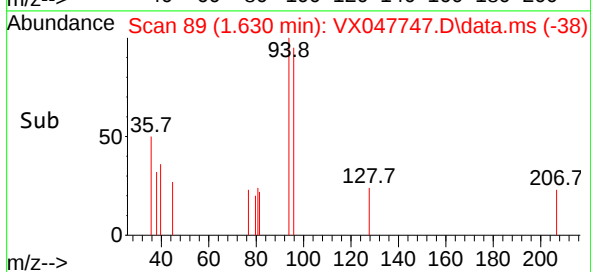
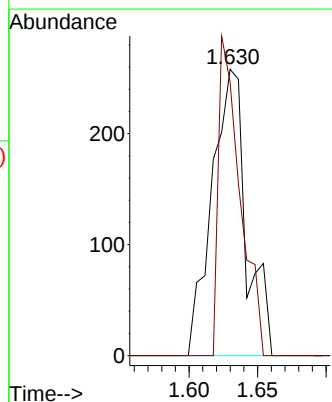
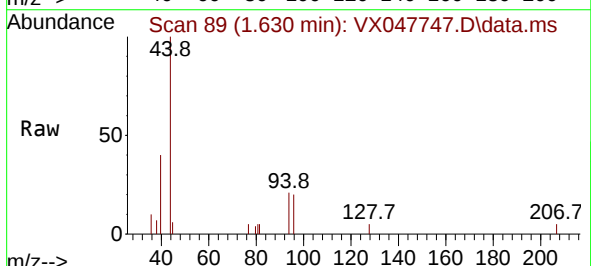
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

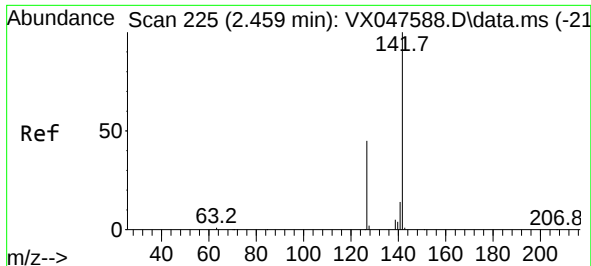
Tgt Ion:168 Resp: 197095
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#5
Bromomethane
Concen: 0.271 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 95.3 76.6 115.0

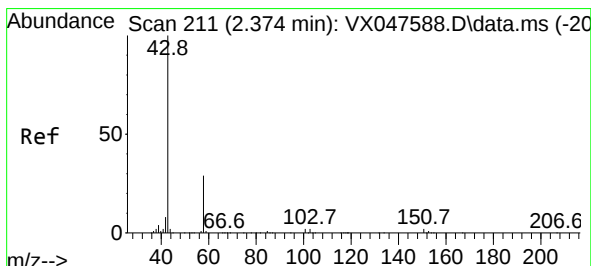
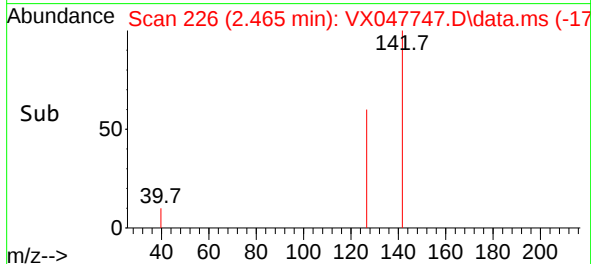
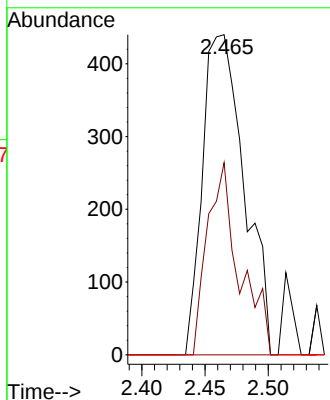
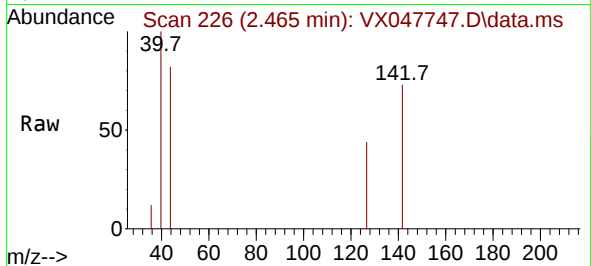




#10
Methyl Iodide
Concen: 0.285 ug/l
RT: 2.465 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

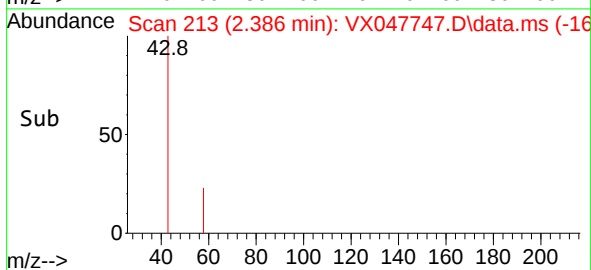
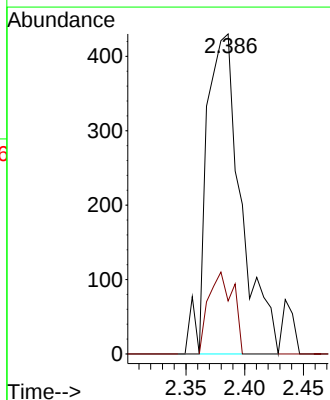
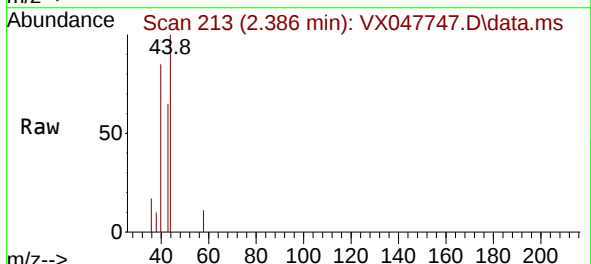
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

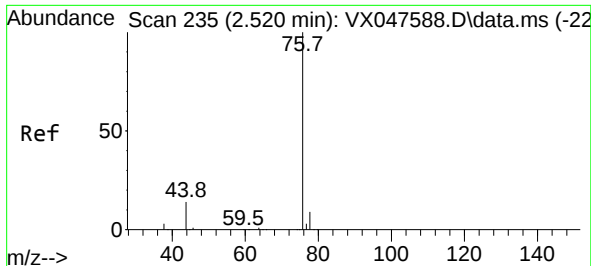
Tgt Ion:142 Resp: 1012
Ion Ratio Lower Upper
142 100
127 46.0 37.2 55.8
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#

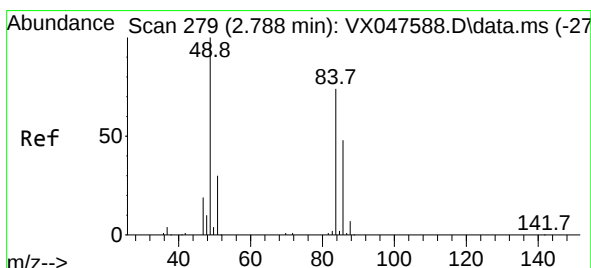
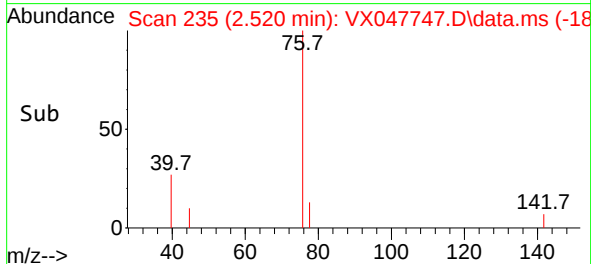
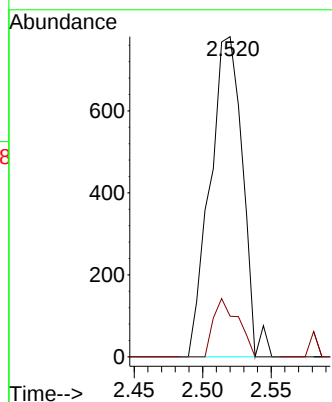
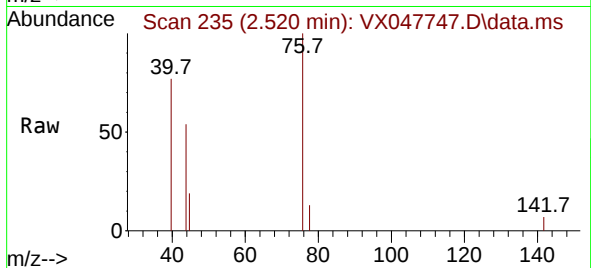




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.520 min Scan# 217
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

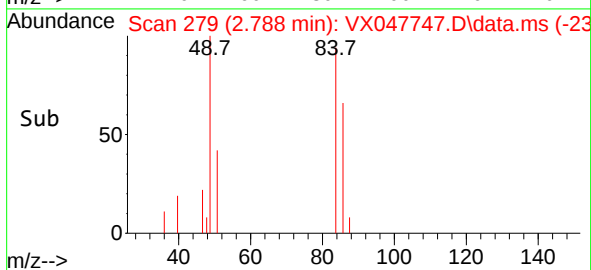
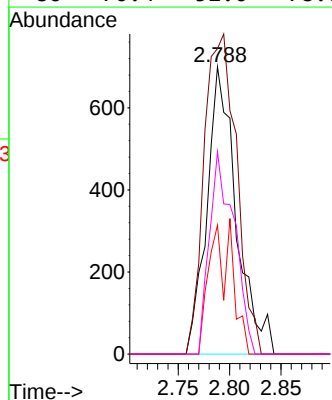
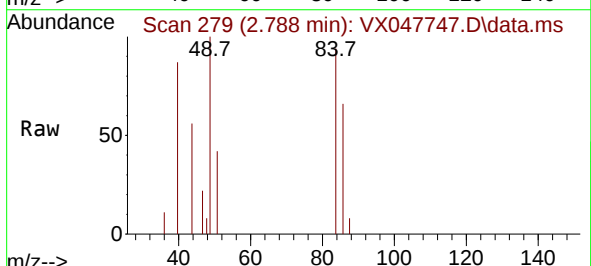
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

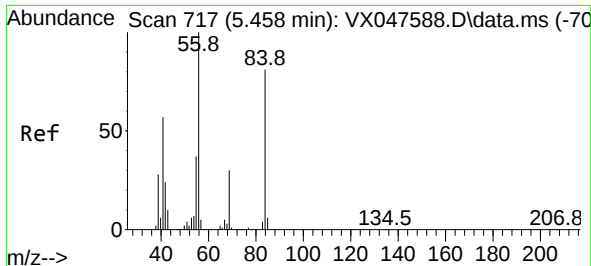
Tgt Ion: 76 Resp: 1292
Ion Ratio Lower Upper
76 100
78 12.7 6.8 10.2#



#20
Methylene Chloride
Concen: 0.482 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 84 Resp: 1393
Ion Ratio Lower Upper
84 100
49 106.3 108.6 162.8#
51 44.9 32.6 48.8
86 70.4 52.0 78.0

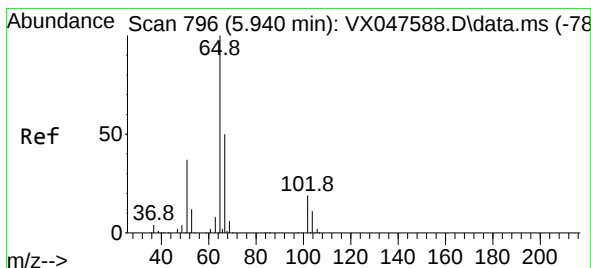
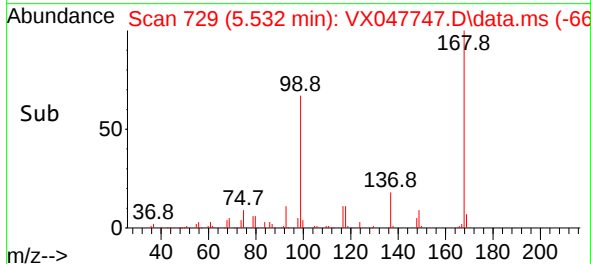
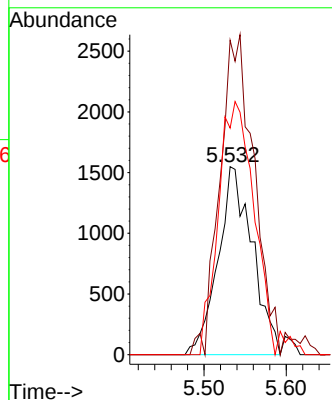
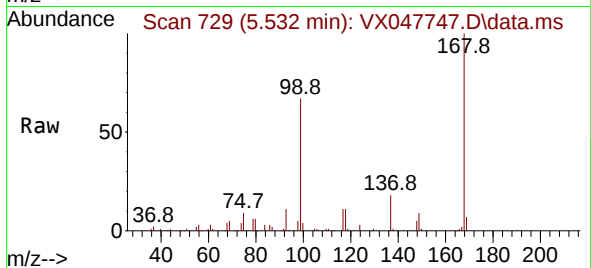




#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.532 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

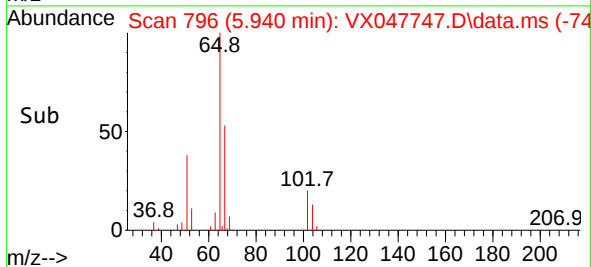
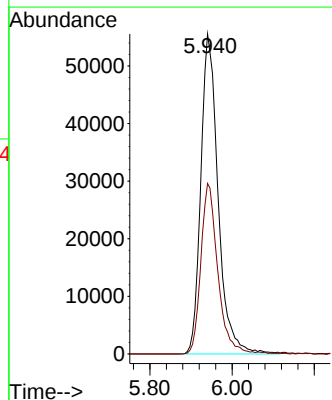
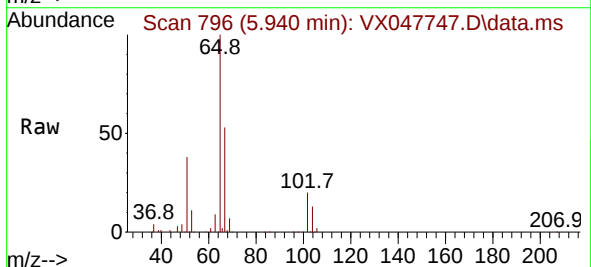
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

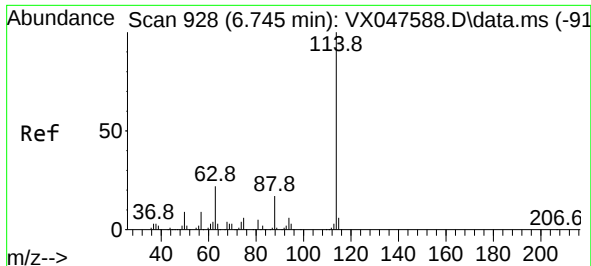
Tgt Ion: 56 Resp: 4483
Ion Ratio Lower Upper
56 100
69 167.2 23.8 35.8#
84 120.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.706 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 65 Resp: 162215
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

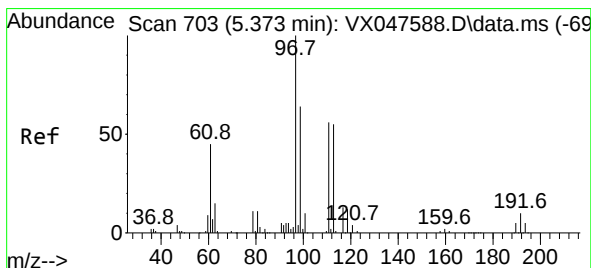
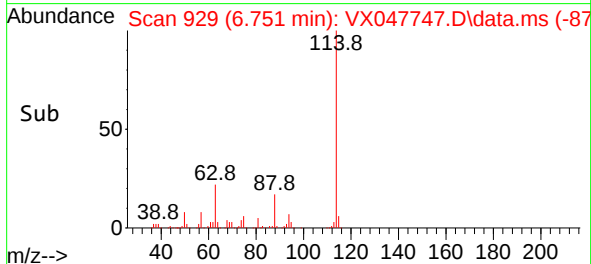
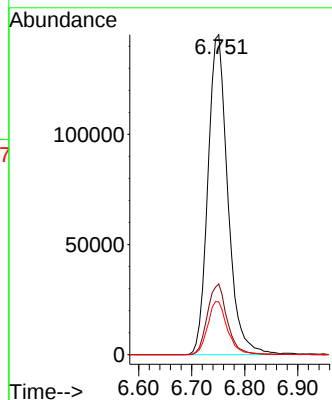
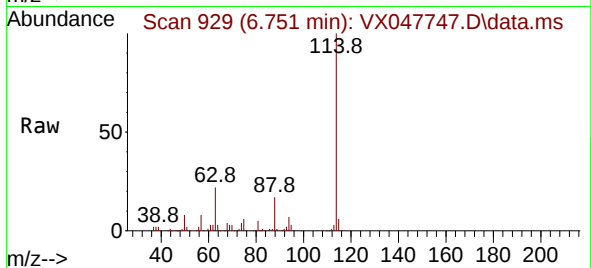




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

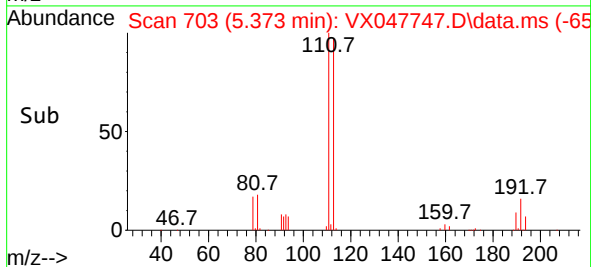
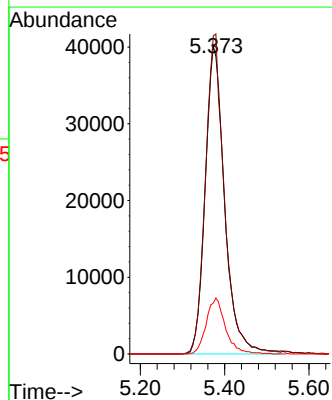
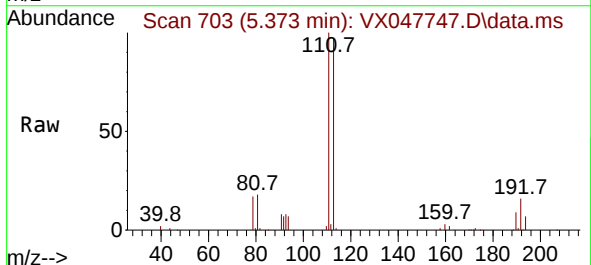
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

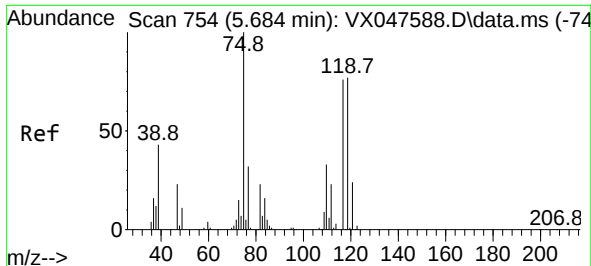
Tgt Ion:114 Resp: 377977
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.0
88 16.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion:113 Resp: 128776
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 18.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.340 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047747.D

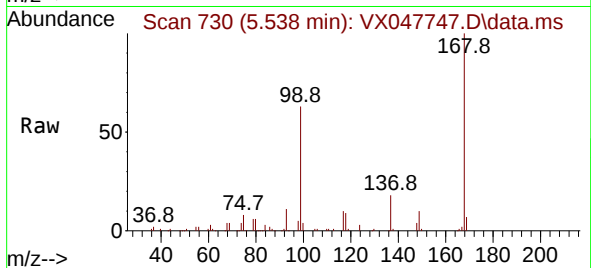
Acq: 24 Sep 2025 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBL02



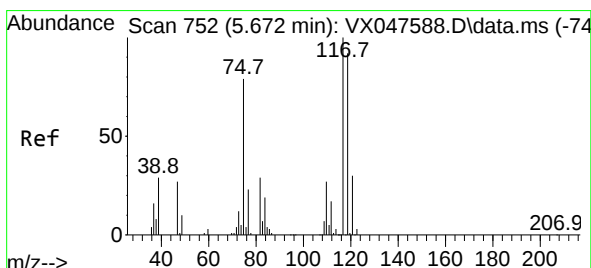
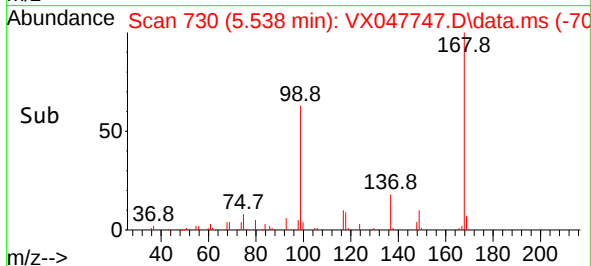
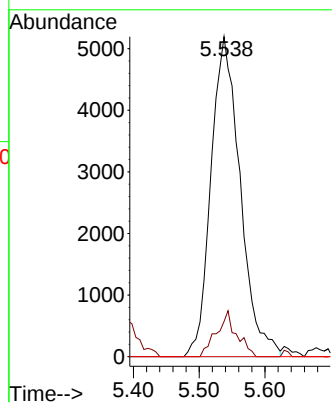
Tgt Ion: 75 Resp: 16076

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.198 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX047747.D

Acq: 24 Sep 2025 03:11

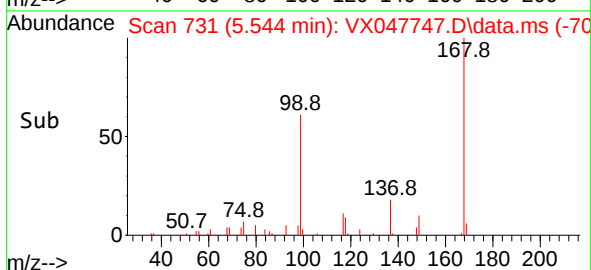
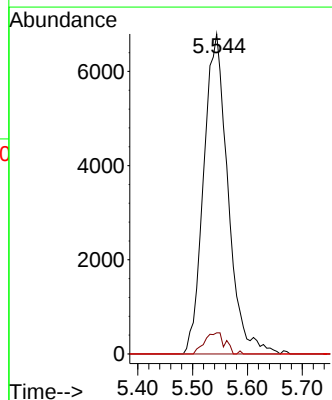
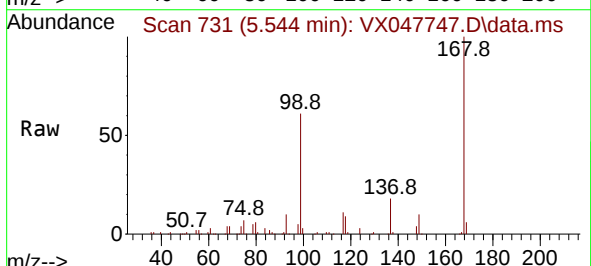
Tgt Ion: 117 Resp: 20918

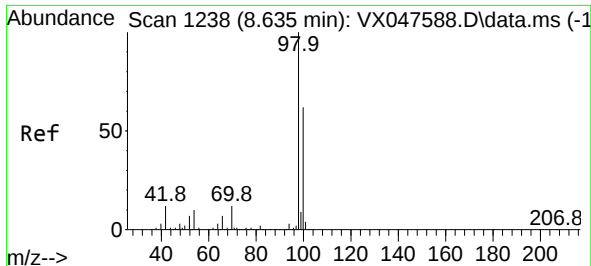
Ion Ratio Lower Upper

117 100

119 6.6 73.4 110.2#

121 0.0 23.8 35.6#

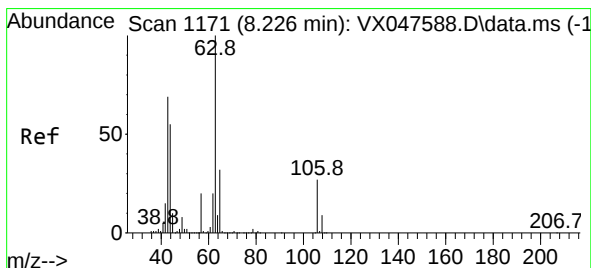
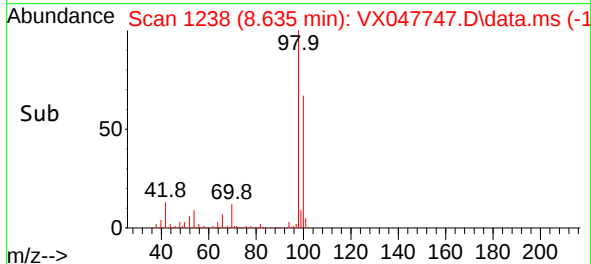
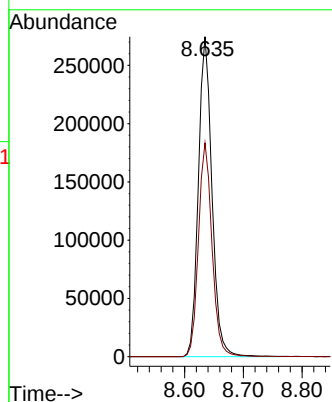
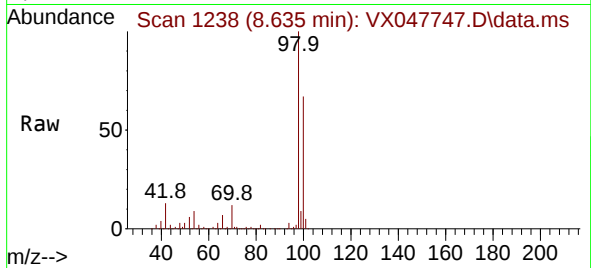




#50
Toluene-d8
Concen: 50.224 ug/l
RT: 8.635 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

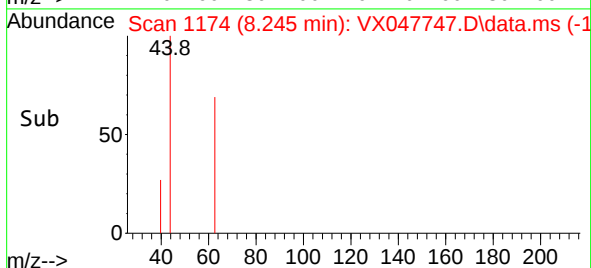
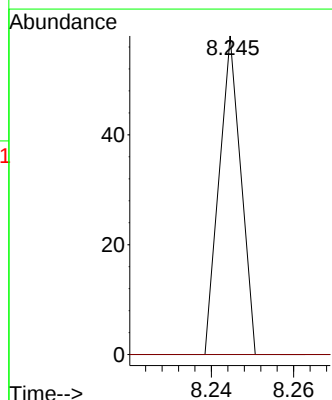
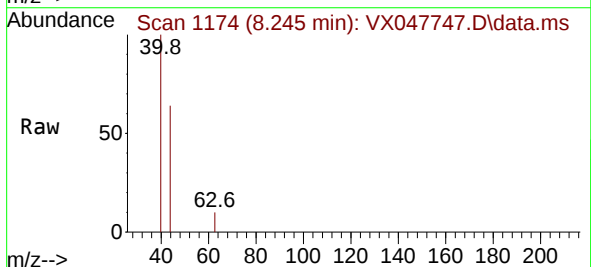
Instrument :
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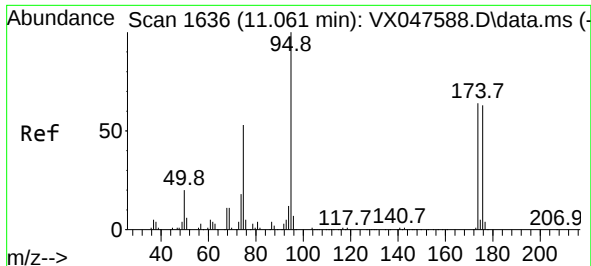
Tgt Ion: 98 Resp: 440529
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#58
2-Chloroethyl Vinyl ether
Concen: 7.903 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.019 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#





#62

4-Bromofluorobenzene

Concen: 51.746 ug/l

RT: 11.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047747.D

Acq: 24 Sep 2025 03:11

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBL02

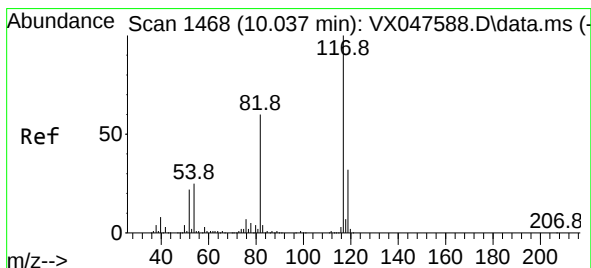
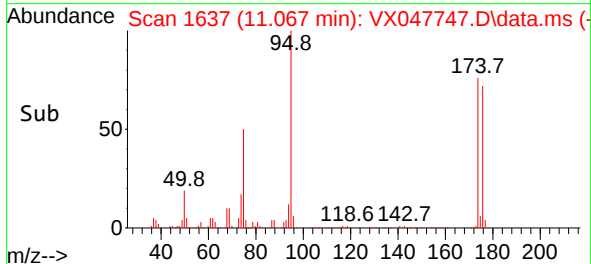
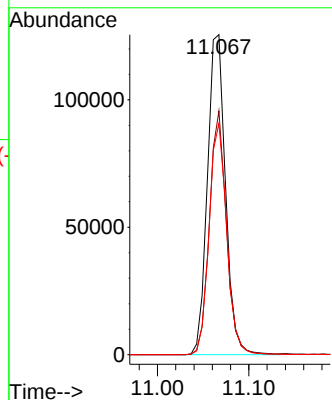
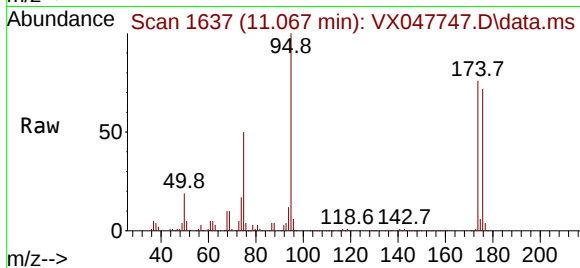
Tgt Ion: 95 Resp: 172255

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.6

176 70.3 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: VX047747.D

Acq: 24 Sep 2025 03:11

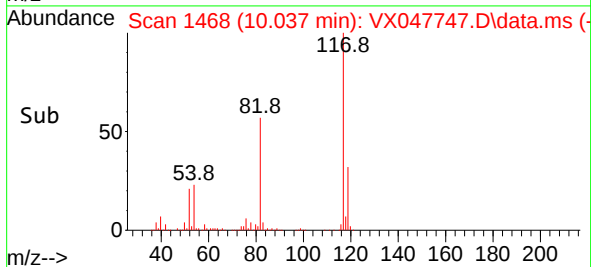
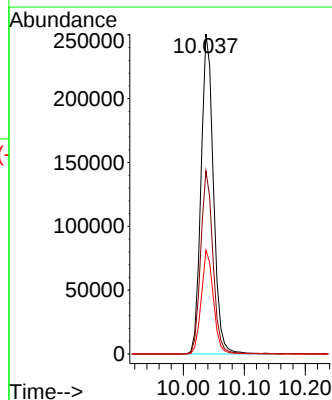
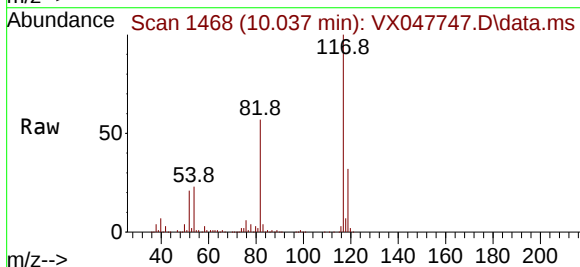
Tgt Ion: 117 Resp: 356070

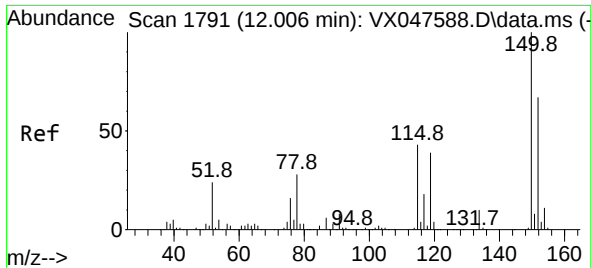
Ion Ratio Lower Upper

117 100

82 57.1 47.8 71.6

119 32.4 25.2 37.8

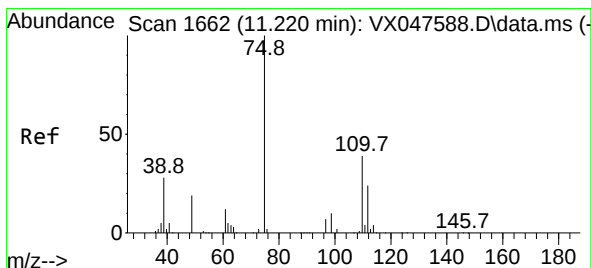
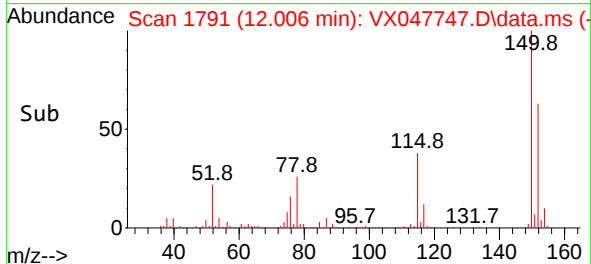
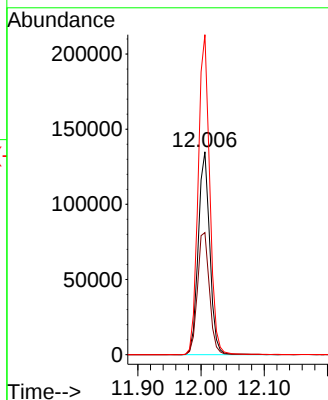
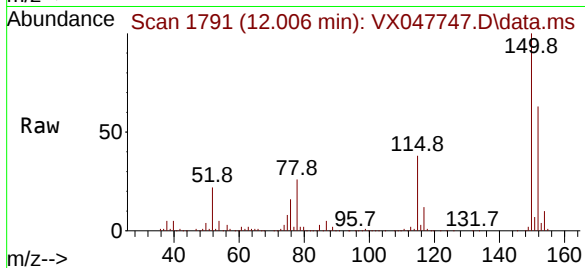




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047747.D
 Acq: 24 Sep 2025 03:11

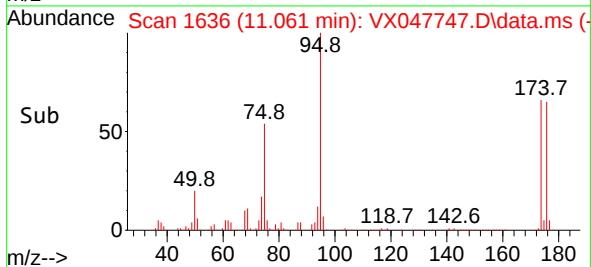
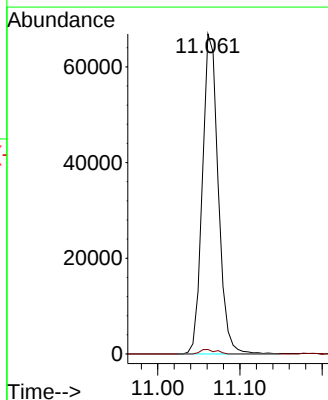
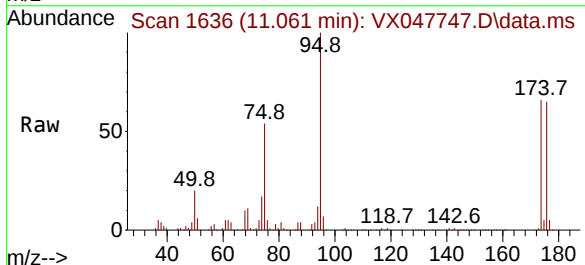
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBL02

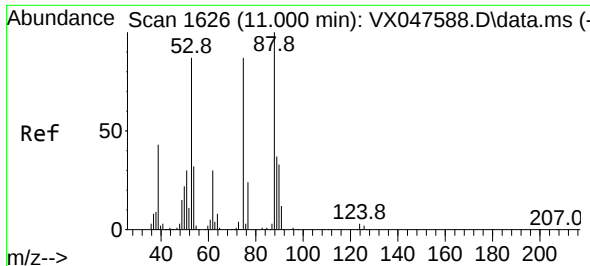
Tgt Ion:152 Resp: 171478
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.9 134.5
 150 158.1 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 25.790 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX047747.D
 Acq: 24 Sep 2025 03:11

Tgt Ion: 75 Resp: 89539
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#

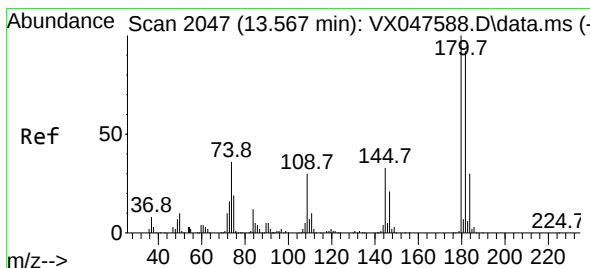
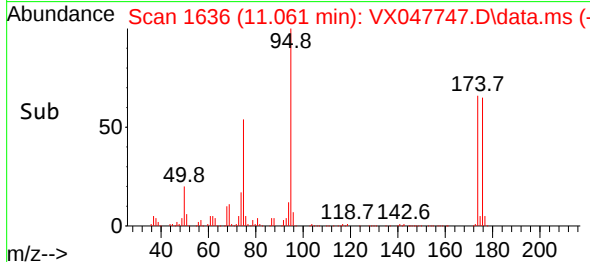
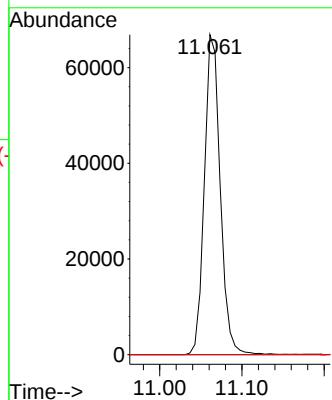
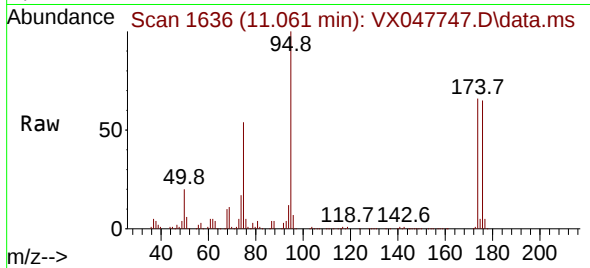




#81
trans-1,4-Dichloro-2-butene
Concen: 65.767 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

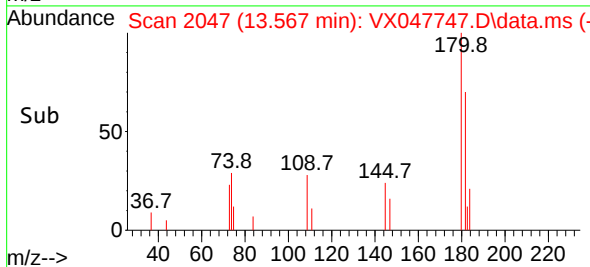
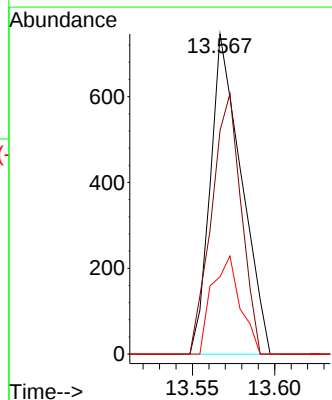
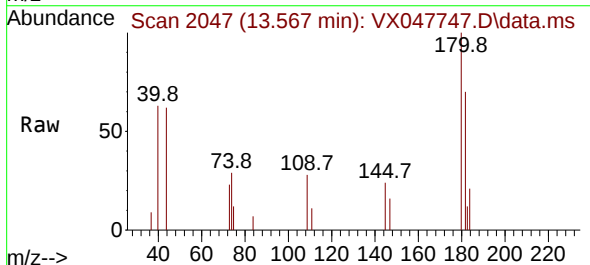
Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

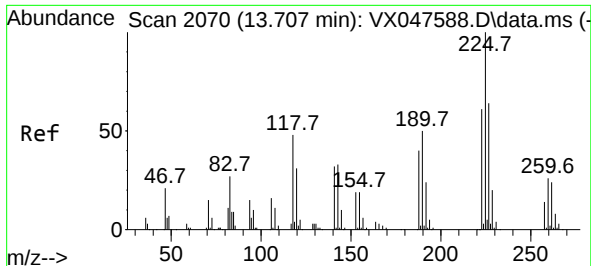
Tgt Ion: 75 Resp: 89539
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.265 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 180 Resp: 979
Ion Ratio Lower Upper
180 100
182 77.3 46.6 139.8
145 27.8 16.4 49.1

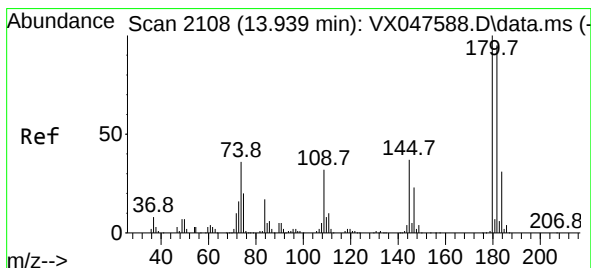
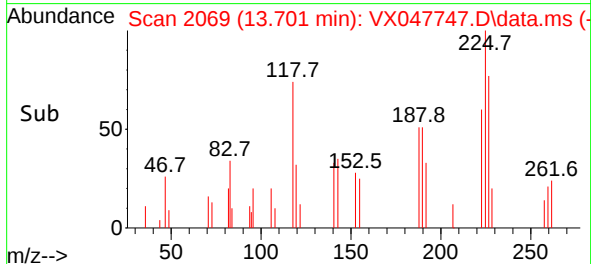
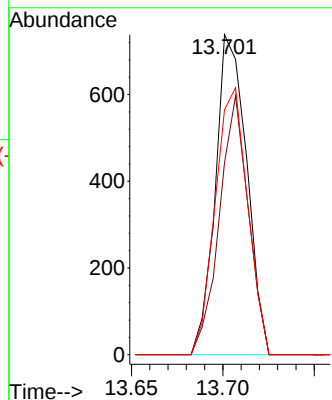
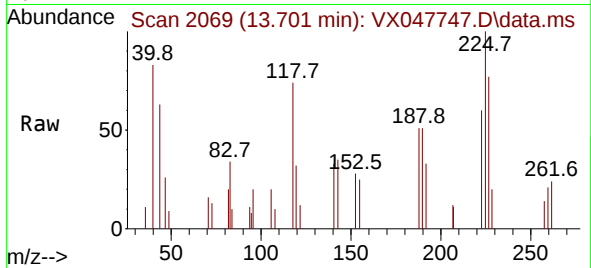




#94
Hexachlorobutadiene
Concen: 0.701 ug/l
RT: 13.701 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBL02

Tgt Ion:225 Resp: 879
Ion Ratio Lower Upper
225 100
223 74.6 31.7 95.1
227 86.3 32.0 96.0



#96
1,2,3-Trichlorobenzene
Concen: 0.217 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion:180 Resp: 745
Ion Ratio Lower Upper
180 100
182 83.5 47.6 142.8
145 29.3 17.9 53.7

