

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047898.D
 Acq On : 30 Sep 2025 10:09
 Operator : JC/MD
 Sample : VX0930WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBL01

Quant Time: Oct 01 01:04:45 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)

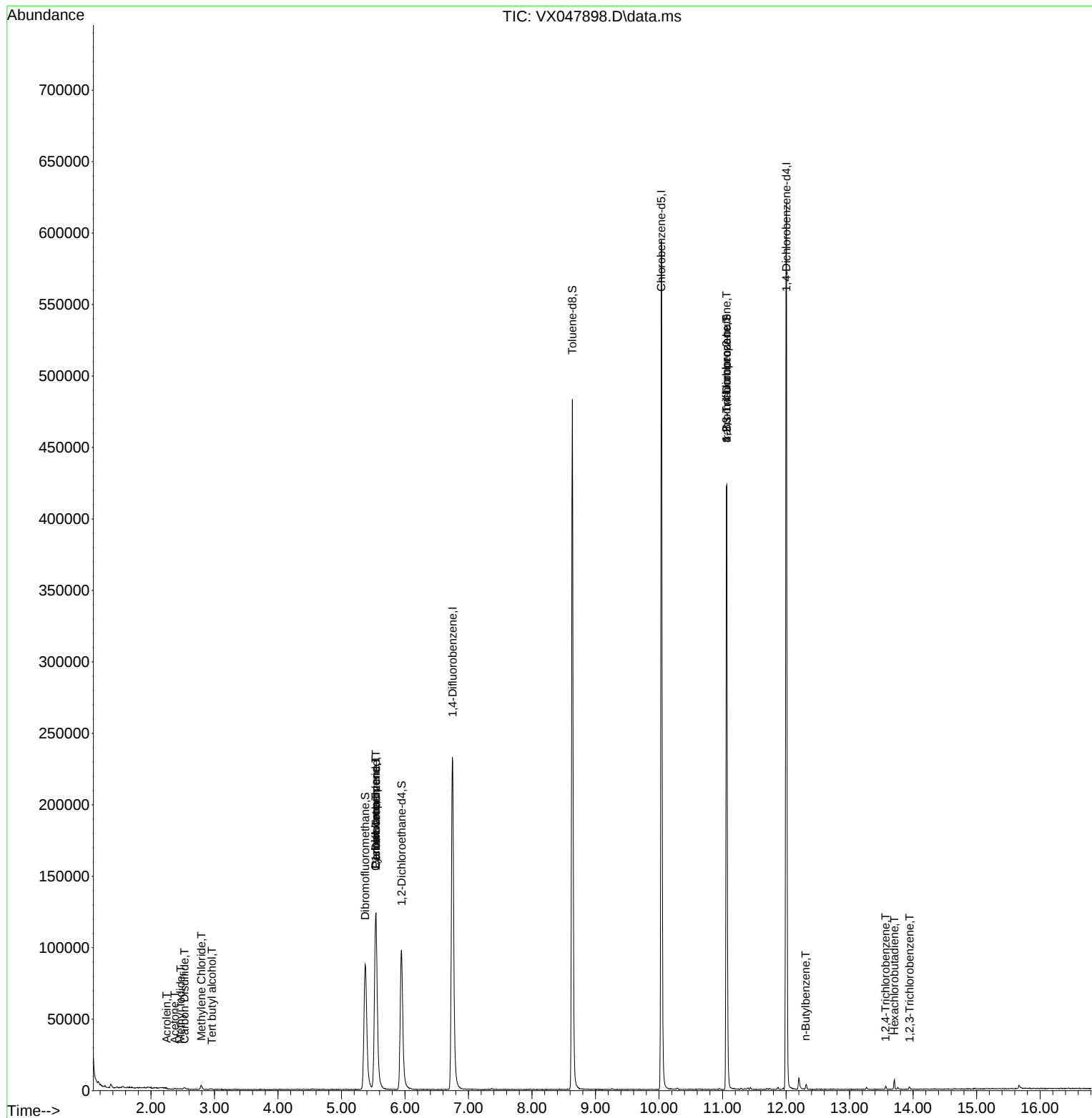
Internal Standards						
1) Pentafluorobenzene	5.544	168	126165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	254131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105807	52.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.380%			
35) Dibromofluoromethane	5.373	113	85829	50.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	8.635	98	287739	48.791	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.580%			
62) 4-Bromofluorobenzene	11.061	95	125441	56.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.100%			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	544	0.239	ug/l #	78
11) Tert butyl alcohol	2.959	59	165	0.738	ug/l #	72
13) Acrolein	2.246	56	54	0.262	ug/l #	14
16) Acetone	2.374	43	876	1.003	ug/l	89
17) Carbon Disulfide	2.526	76	2095	0.511	ug/l #	76
20) Methylene Chloride	2.794	84	1483	0.802	ug/l #	91
31) Cyclohexane	5.538	56	2789	1.051	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10598	4.255	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13530	5.000	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	65083	24.153	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	65083	61.594	ug/l #	8
89) n-Butylbenzene	12.311	91	1601	0.202	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	661	0.231	ug/l	98
94) Hexachlorobutadiene	13.707	225	1014	1.042	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	550	0.206	ug/l	87

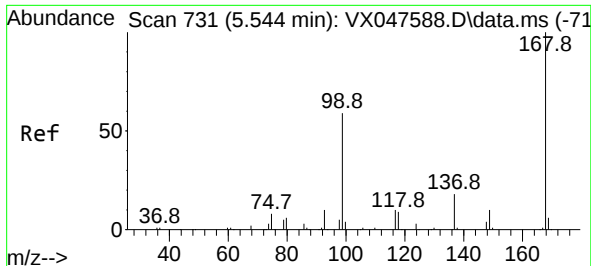
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047898.D
Acq On : 30 Sep 2025 10:09
Operator : JC/MD
Sample : VX0930WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

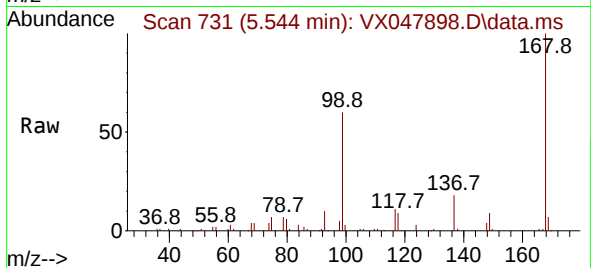
Quant Time: Oct 01 01:04:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



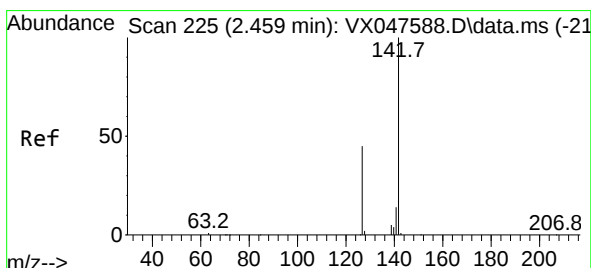
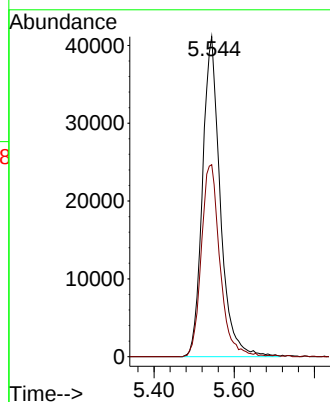
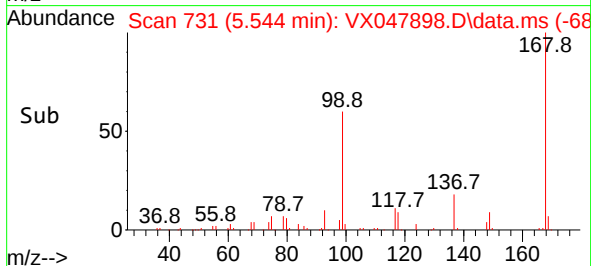


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

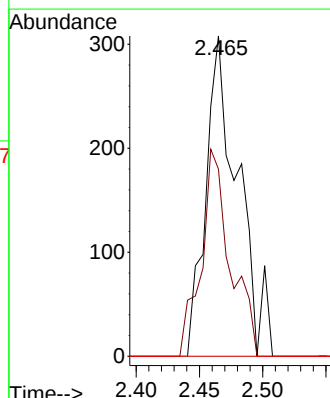
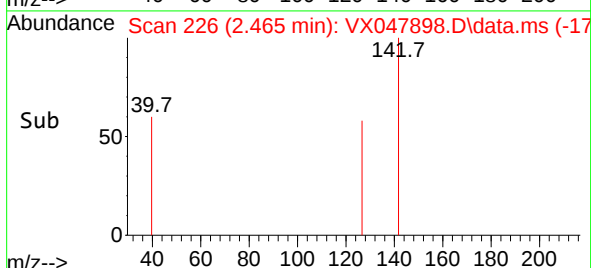
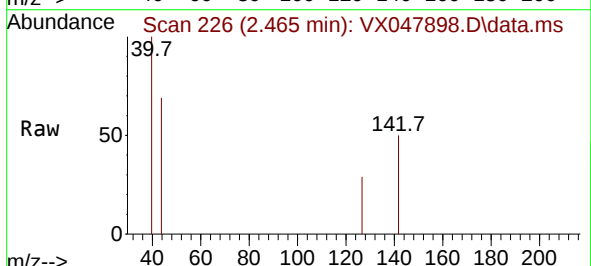


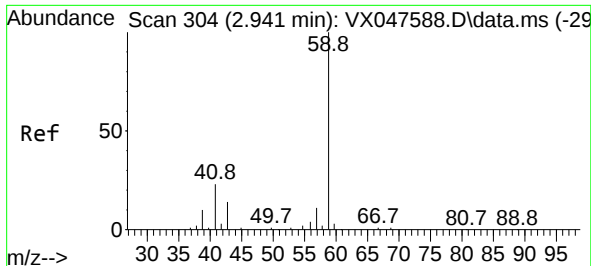
Tgt Ion:168 Resp: 126165
Ion Ratio Lower Upper
168 100
99 60.0 48.8 73.2



#10
Methyl Iodide
Concen: 0.239 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 58.5 37.2 55.8#
141 0.0 11.4 17.0#

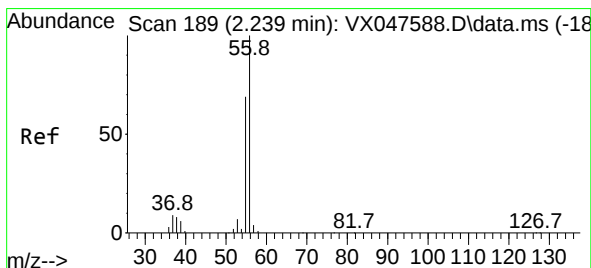
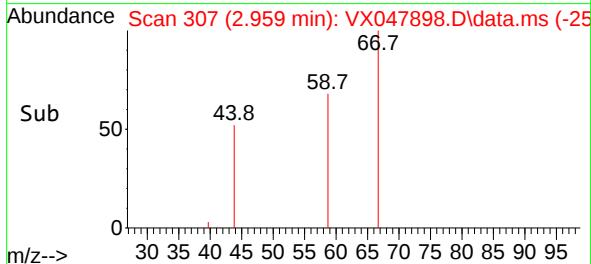
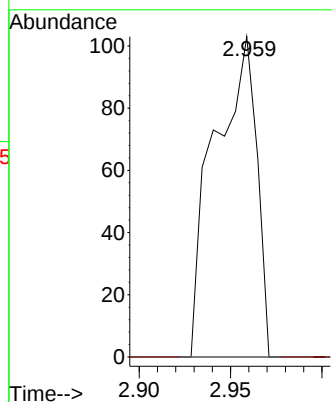
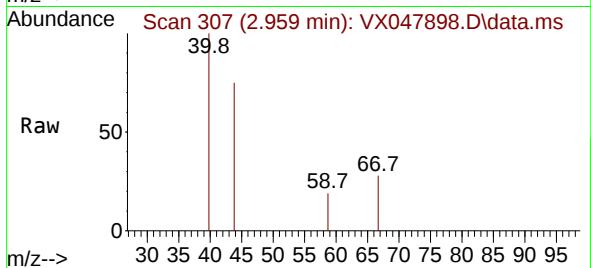




#11
Tert butyl alcohol
Concen: 0.738 ug/l
RT: 2.959 min Scan# 304
Delta R.T. 0.018 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

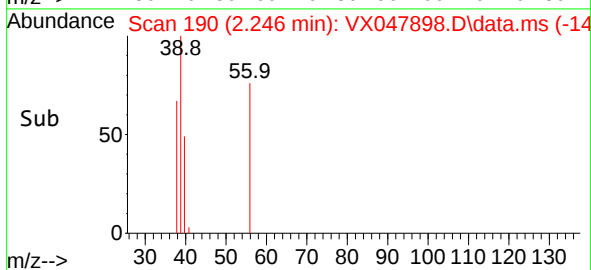
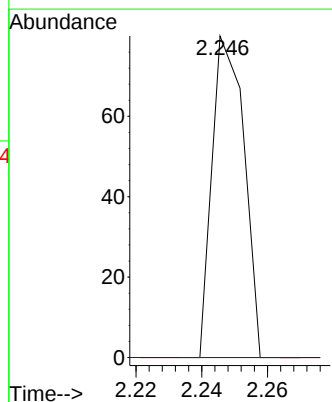
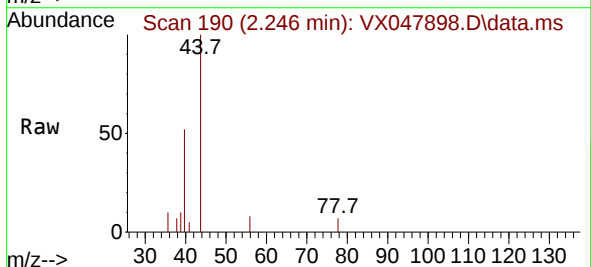
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

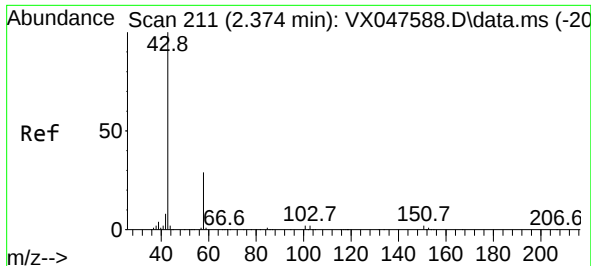
Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.262 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

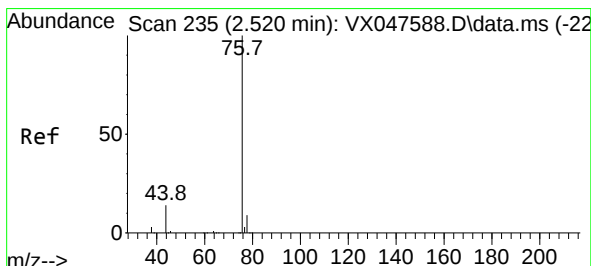
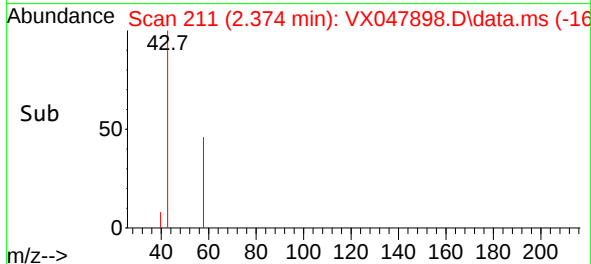
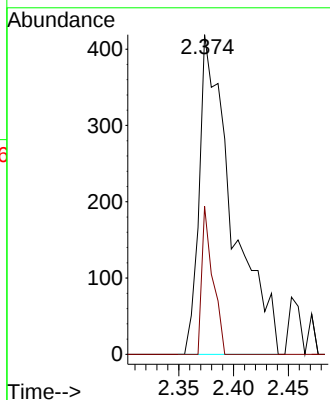
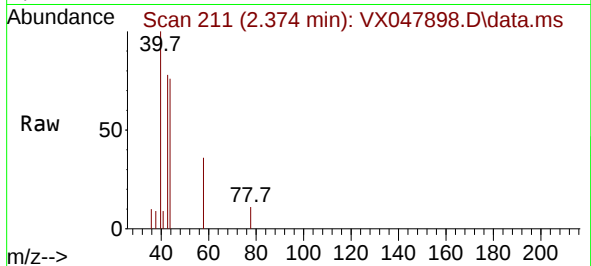




#16
Acetone
Concen: 1.003 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

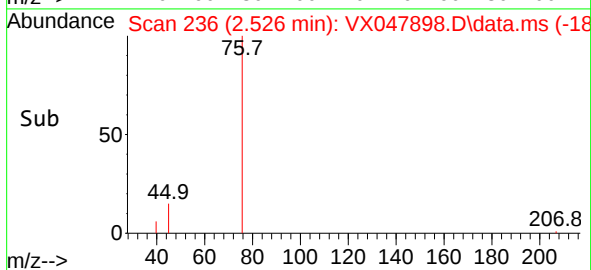
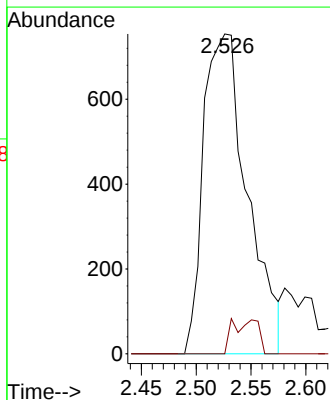
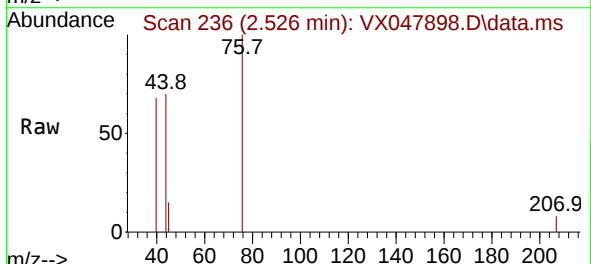
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

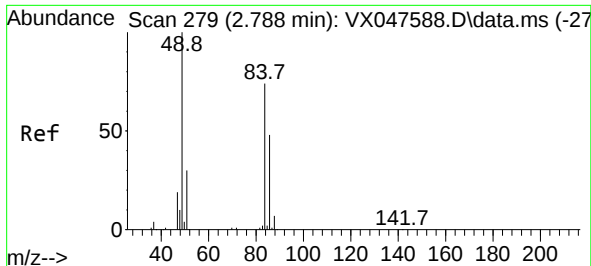
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 23.4 23.4 35.0



#17
Carbon Disulfide
Concen: 0.511 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 76 Resp: 2095
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

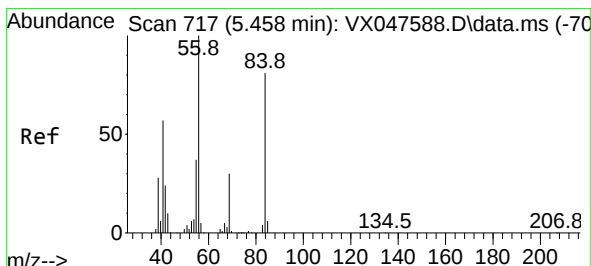
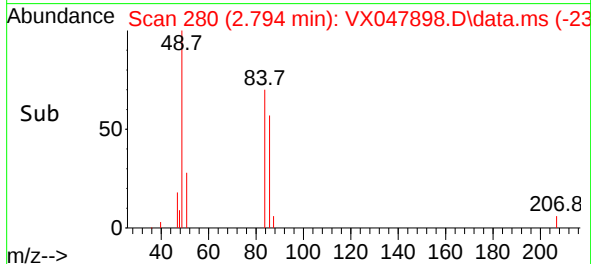
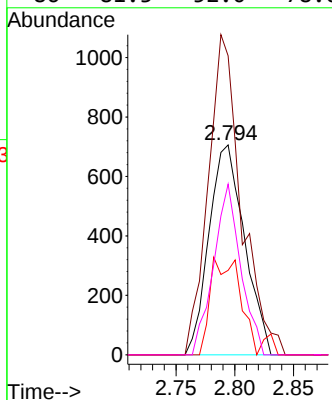
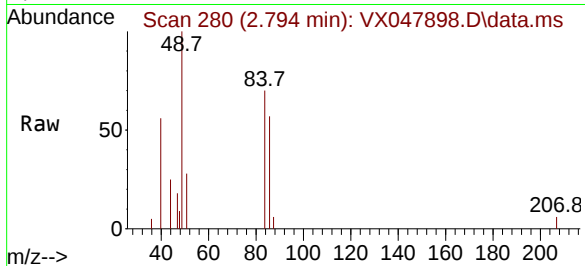




#20
Methylene Chloride
Concen: 0.802 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

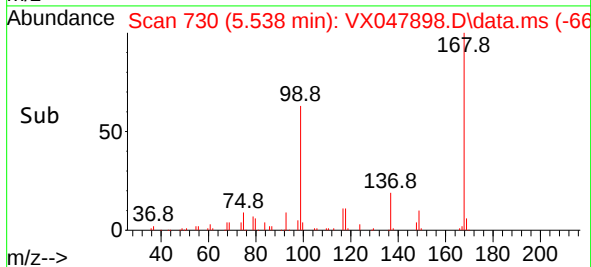
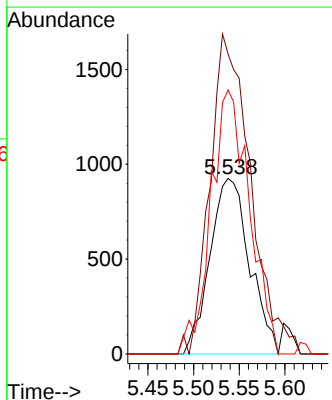
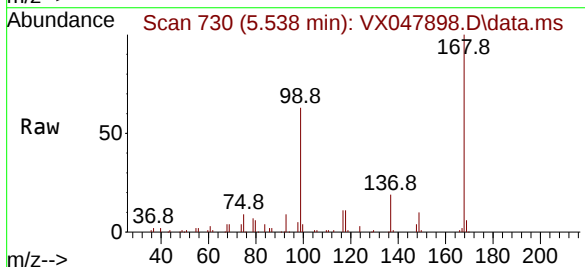
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

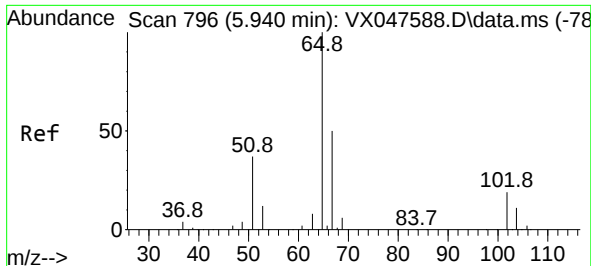
Tgt Ion:	84	Resp:	1483
Ion	Ratio	Lower	Upper
84	100		
49	142.5	108.6	162.8
51	40.2	32.6	48.8
86	81.3	52.0	78.0



#31
Cyclohexane
Concen: 1.051 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion:	56	Resp:	2789
Ion	Ratio	Lower	Upper
56	100		
69	170.9	23.8	35.8
84	150.4	64.6	97.0





#33

1,2-Dichloroethane-d4

Concen: 52.687 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047898.D

Acq: 30 Sep 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

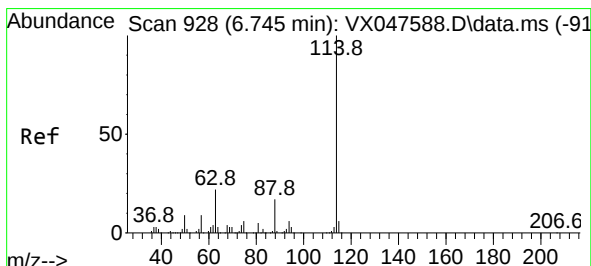
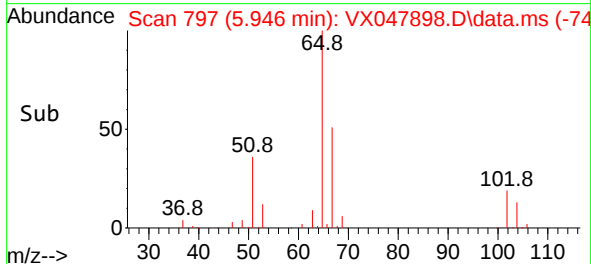
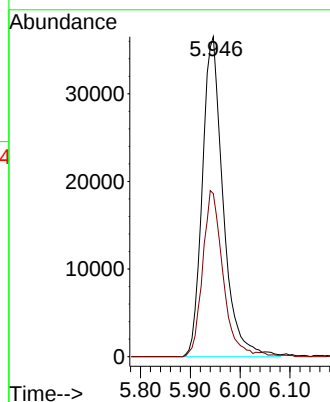
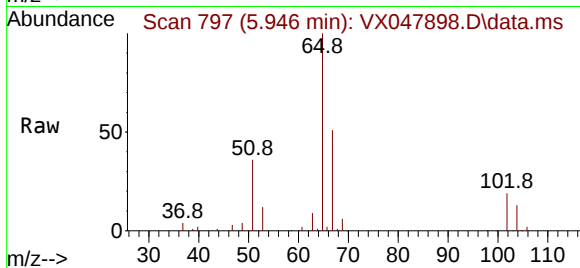
VX0930WBL01

Tgt Ion: 65 Resp: 105807

Ion Ratio Lower Upper

65 100

67 51.4 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: VX047898.D

Acq: 30 Sep 2025 10:09

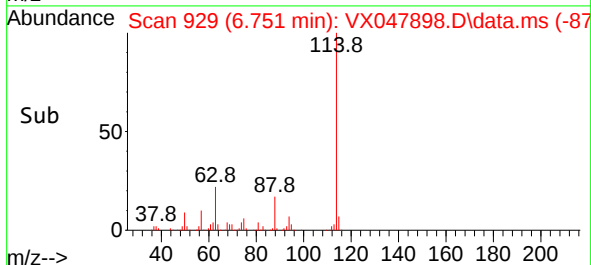
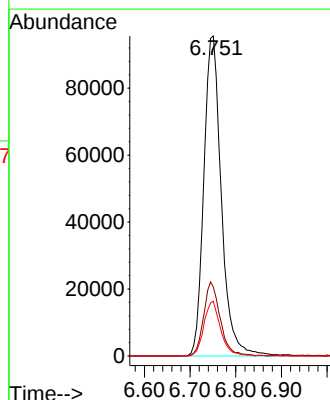
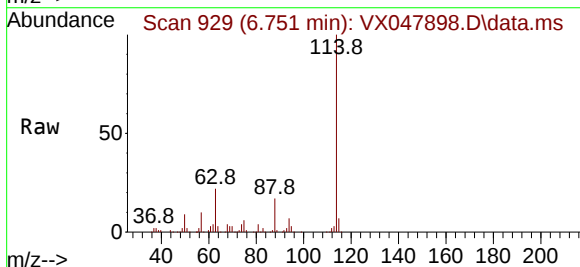
Tgt Ion: 114 Resp: 254131

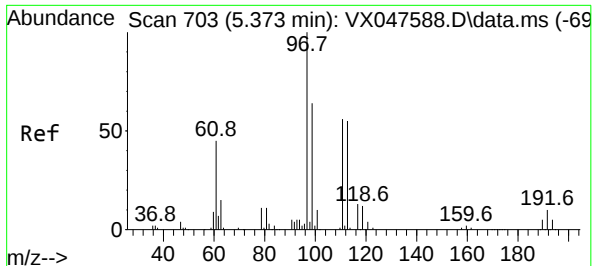
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 17.1 0.0 34.2

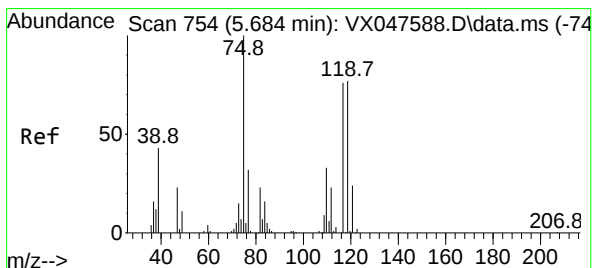
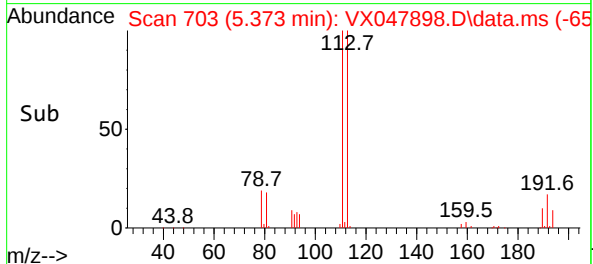
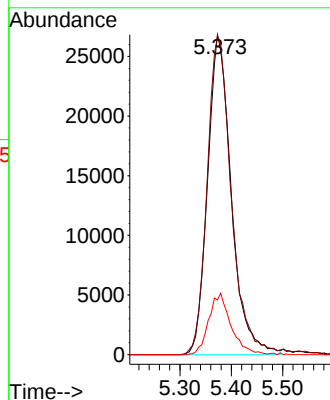
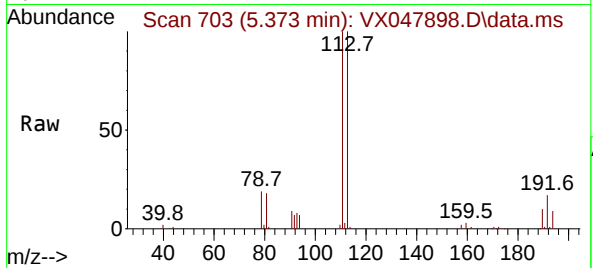




#35
Dibromofluoromethane
Concen: 50.359 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

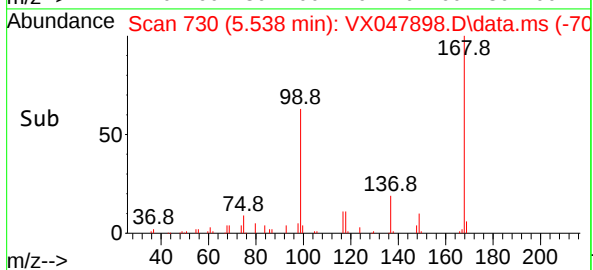
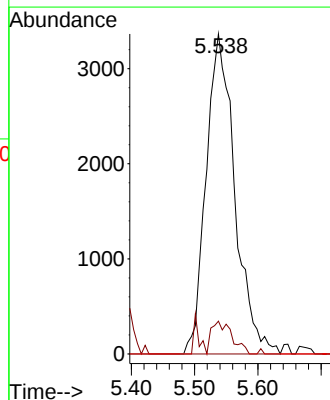
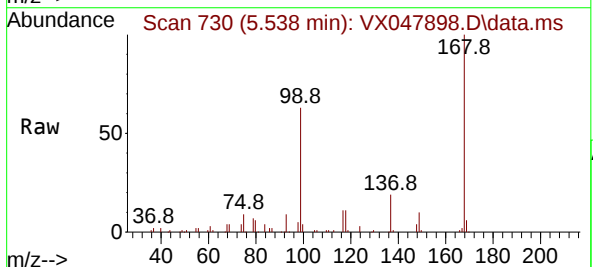
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

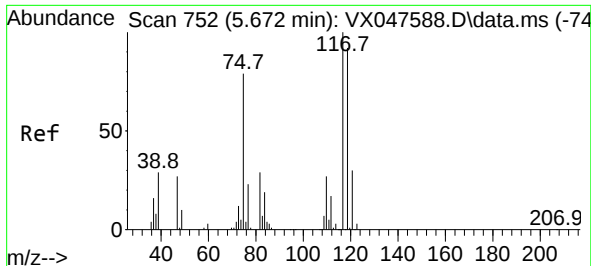
Tgt Ion:113 Resp: 85829
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.255 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 75 Resp: 10598
Ion Ratio Lower Upper
75 100
110 7.3 16.7 50.1#
77 0.0 24.3 36.5#

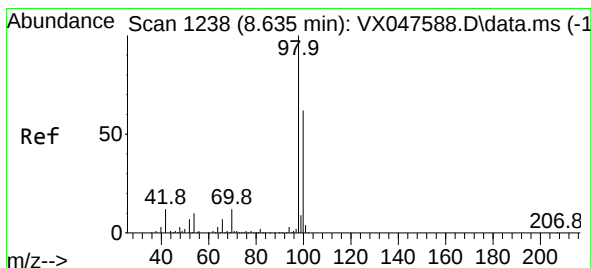
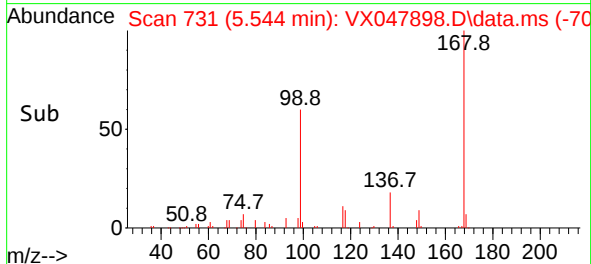
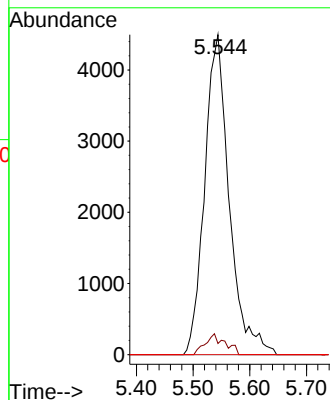
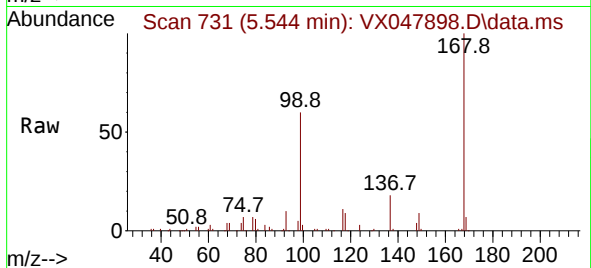




#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

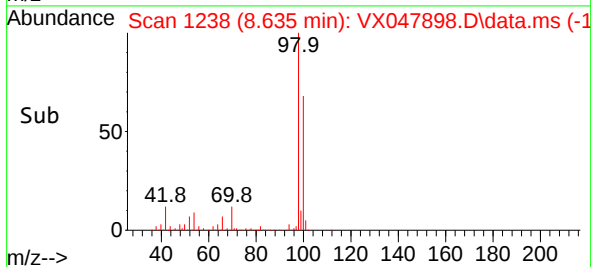
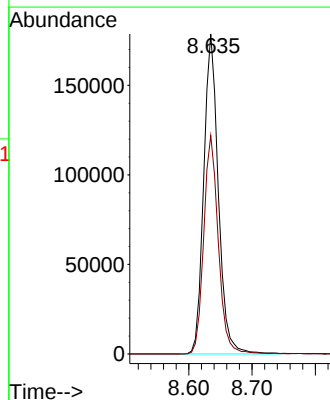
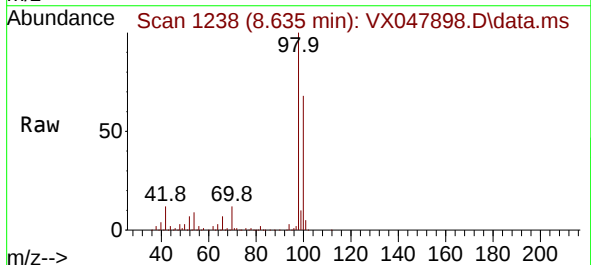
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

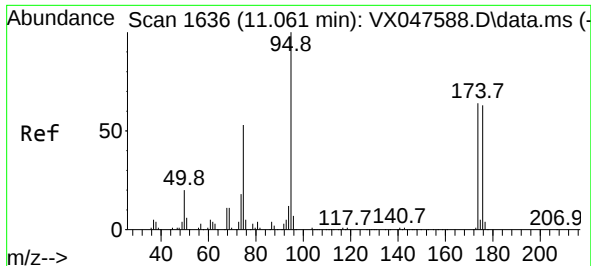
Tgt Ion:117 Resp: 13530
Ion Ratio Lower Upper
117 100
119 3.5 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 98 Resp: 287739
Ion Ratio Lower Upper
98 100
100 67.9 53.0 79.4

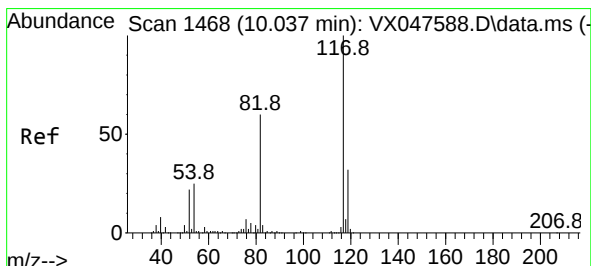
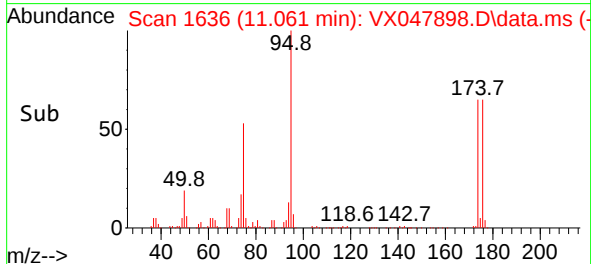
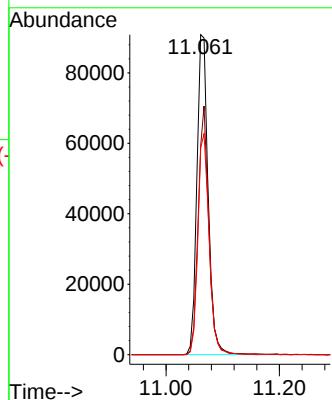
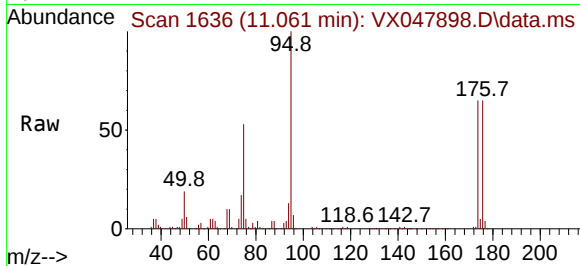




#62
4-Bromofluorobenzene
Concen: 56.047 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

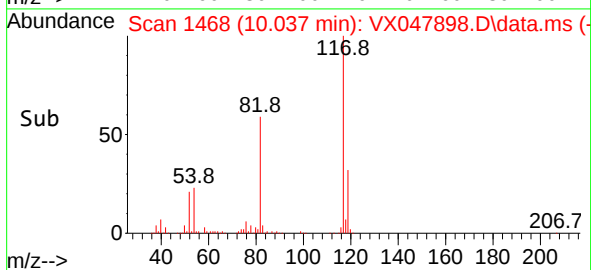
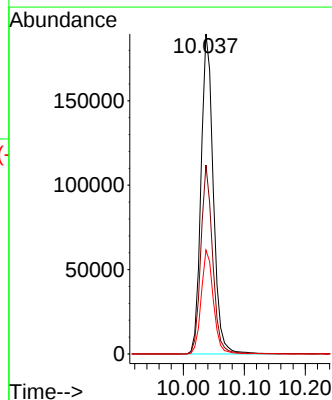
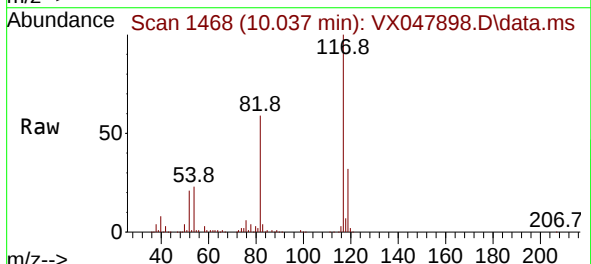
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

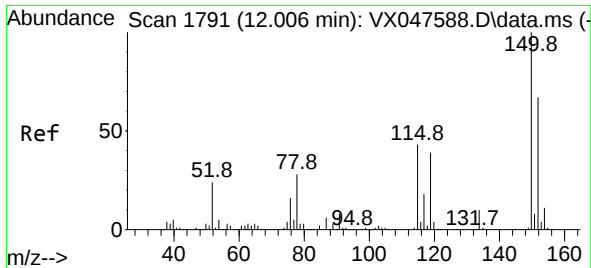
Tgt Ion: 95 Resp: 125441
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 68.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 117 Resp: 265110
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.6
119 32.5 25.2 37.8

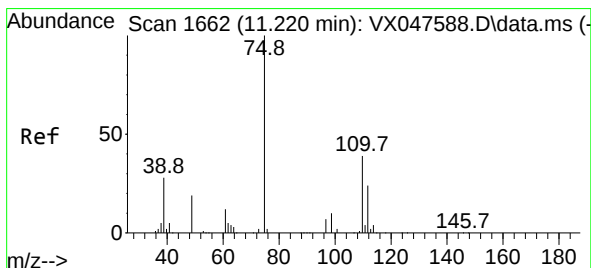
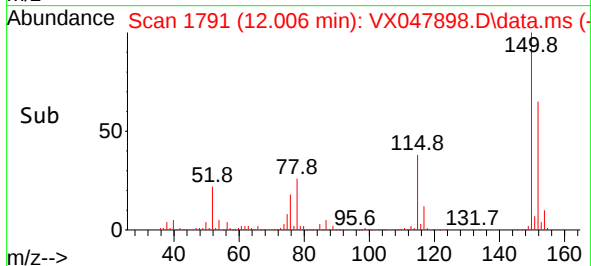
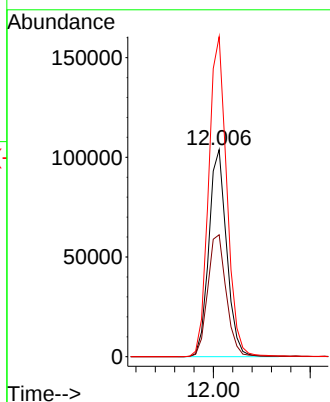
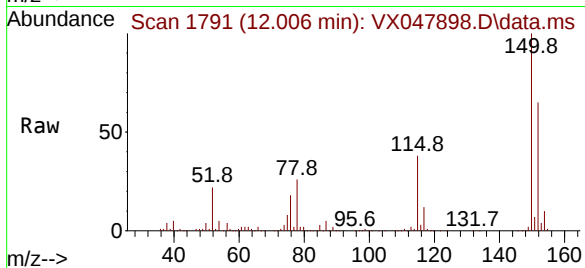




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX047898.D
 Acq: 30 Sep 2025 10:09

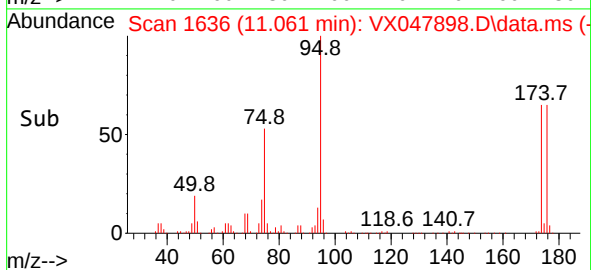
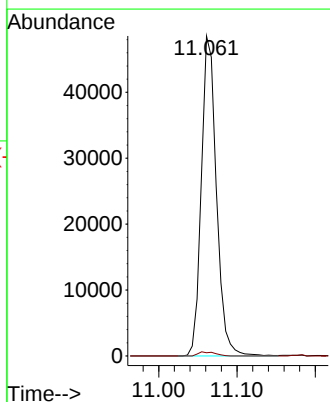
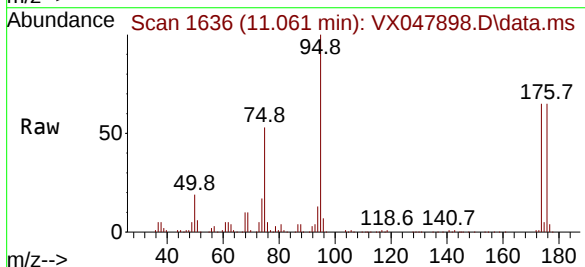
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBL01

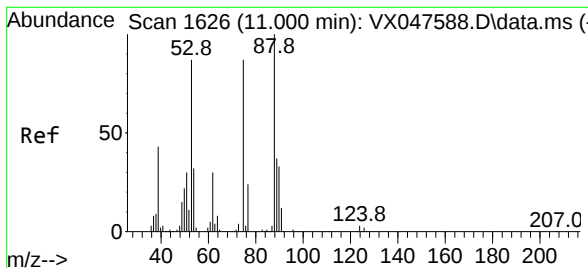
Tgt Ion:152 Resp: 133087
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.9 134.5
 150 158.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.153 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047898.D
 Acq: 30 Sep 2025 10:09

Tgt Ion: 75 Resp: 65083
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#

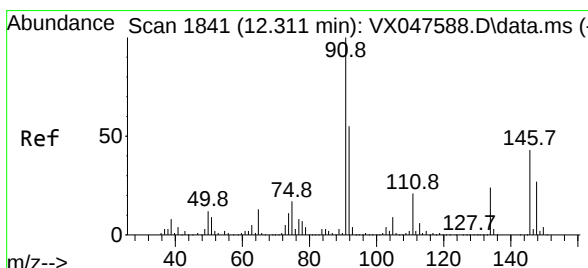
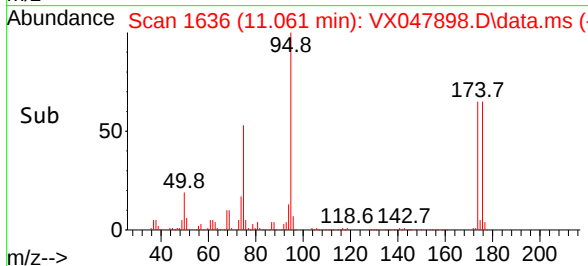
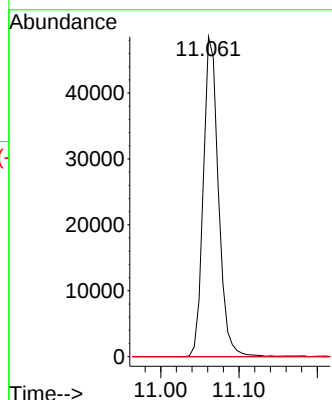
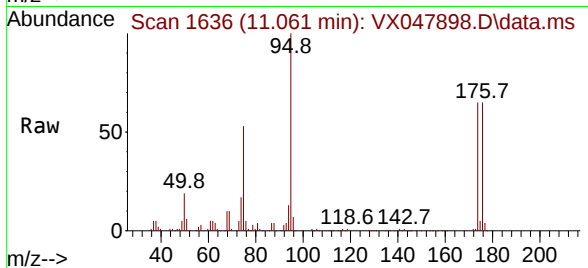




#81
trans-1,4-Dichloro-2-butene
Concen: 61.594 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

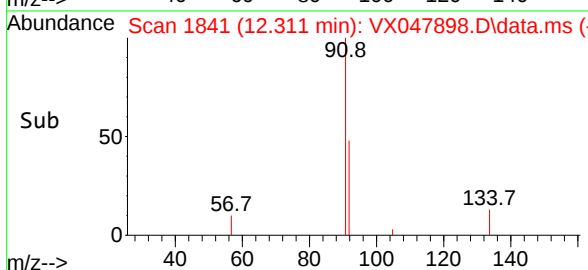
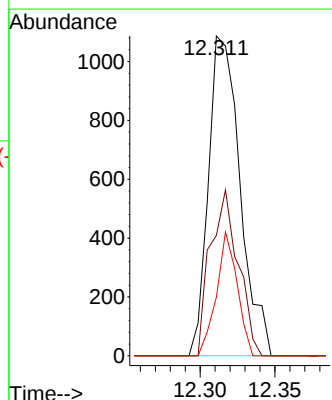
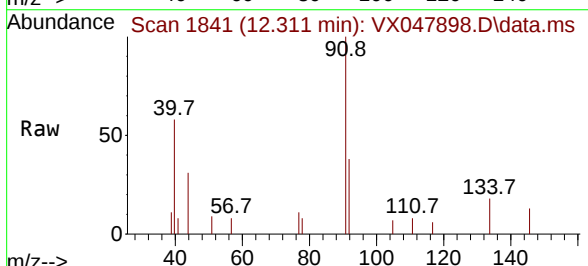
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

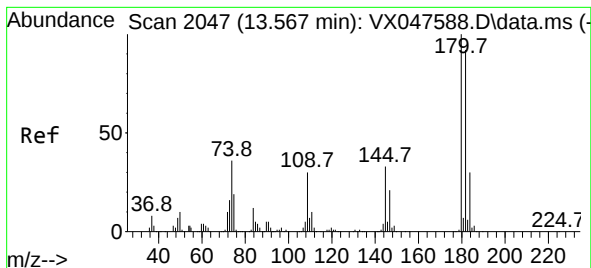
Tgt Ion: 75 Resp: 65083
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX047898.D
Acq: 30 Sep 2025 10:09

Tgt Ion: 91 Resp: 1601
Ion Ratio Lower Upper
91 100
92 45.6 27.6 82.7
134 25.3 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047898.D

Acq: 30 Sep 2025 10:09

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBL01

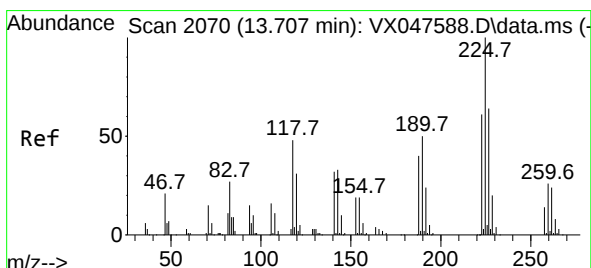
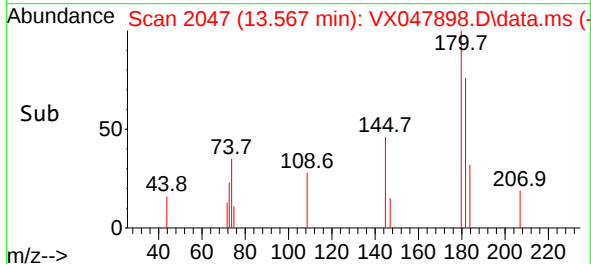
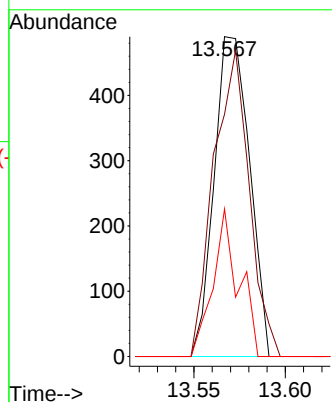
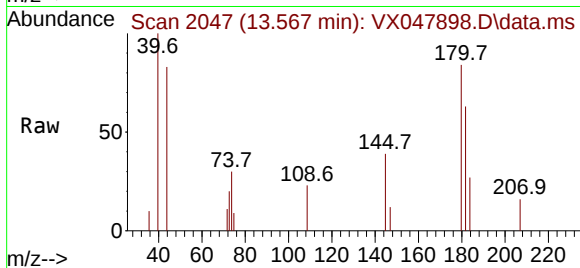
Tgt Ion:180 Resp: 661

Ion Ratio Lower Upper

180 100

182 95.8 46.6 139.8

145 33.6 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.042 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047898.D

Acq: 30 Sep 2025 10:09

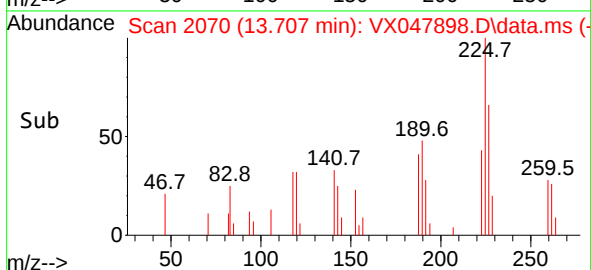
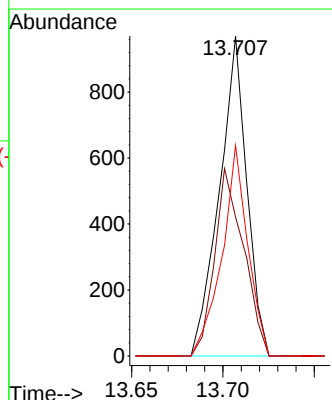
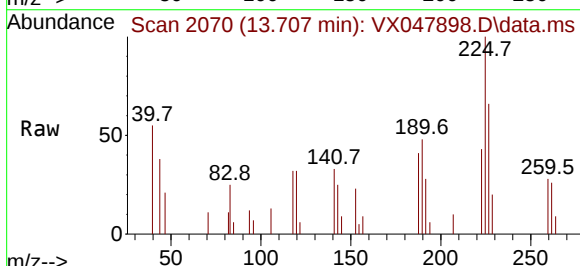
Tgt Ion:225 Resp: 1014

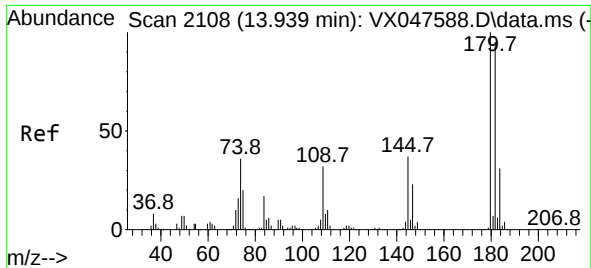
Ion Ratio Lower Upper

225 100

223 61.7 31.7 95.1

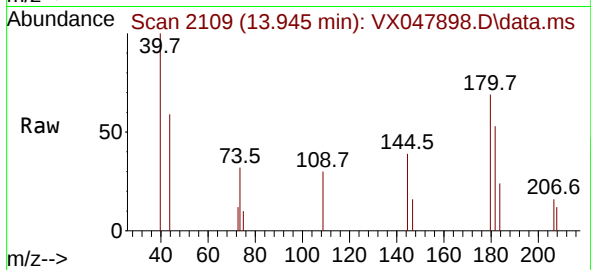
227 61.9 32.0 96.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047898.D
 Acq: 30 Sep 2025 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBL01



Tgt Ion:	180	Resp:	550
Ion	Ratio	Lower	Upper
180	100		
182	82.4	47.6	142.8
145	28.0	17.9	53.7

