

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048551.D
 Acq On : 11 Nov 2025 10:02
 Operator : JC/MD
 Sample : VX1111WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBL01

Quant Time: Nov 12 04:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

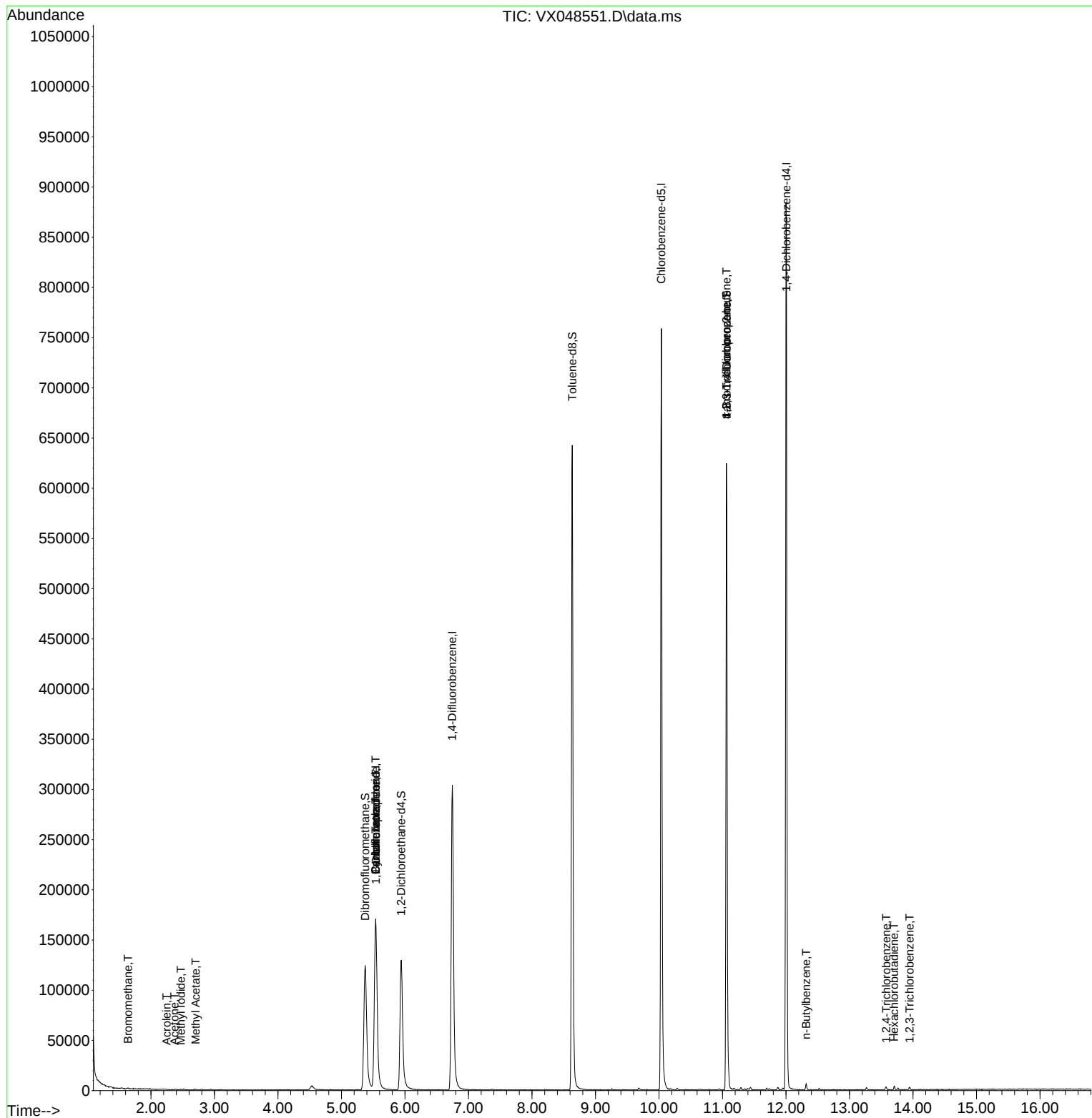
Internal Standards						
1) Pentafluorobenzene	5.538	168	184346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	353648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	374656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	195630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142879	55.623	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.240%			
35) Dibromofluoromethane	5.373	113	127167	47.510	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.020%			
50) Toluene-d8	8.635	98	419546	50.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.061	95	180428	57.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.000%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	285	0.201	ug/l #	57
10) Methyl Iodide	2.471	142	844	0.278	ug/l #	75
13) Acrolein	2.246	56	41	0.582	ug/l #	15
16) Acetone	2.368	43	729	0.600	ug/l #	81
18) Methyl Acetate	2.703	43	1128	0.338	ug/l #	77
31) Cyclohexane	5.538	56	3412	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13656	3.810	ug/l #	46
38) Carbon Tetrachloride	5.538	117	18379	4.505	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	87781	18.625	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	87781	53.274	ug/l #	12
89) n-Butylbenzene	12.317	91	2581	0.221	ug/l	99
93) 1,2,4-Trichlorobenzene	13.579	180	1194	0.272	ug/l	97
94) Hexachlorobutadiene	13.701	225	677	0.369	ug/l	82
96) 1,2,3-Trichlorobenzene	13.945	180	852	0.209	ug/l	93

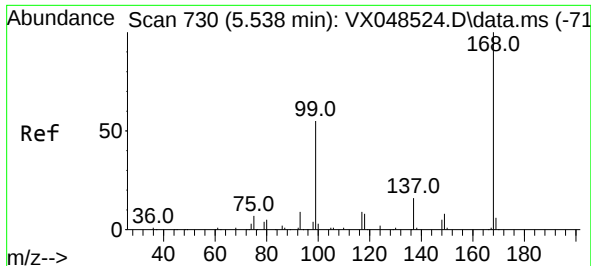
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 04:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
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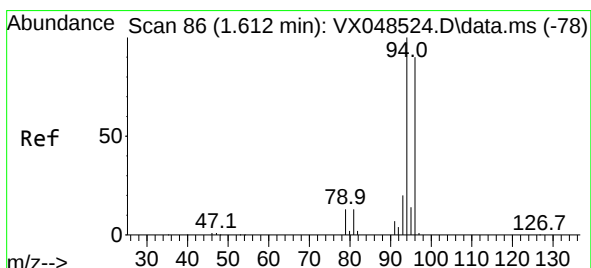
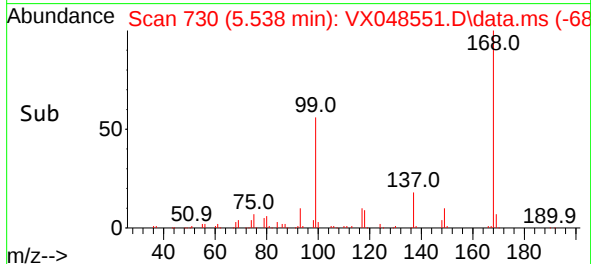
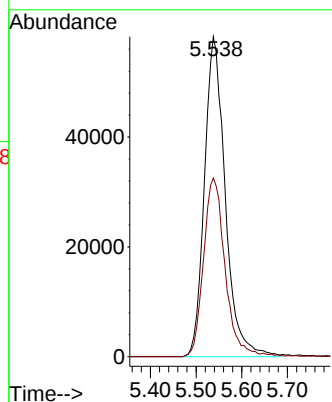
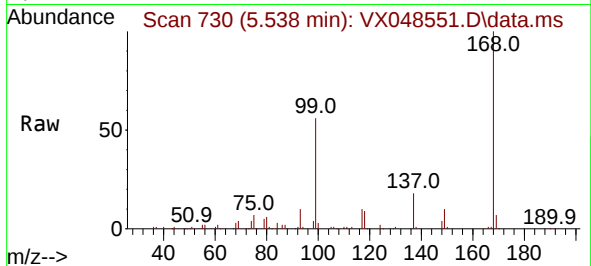




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

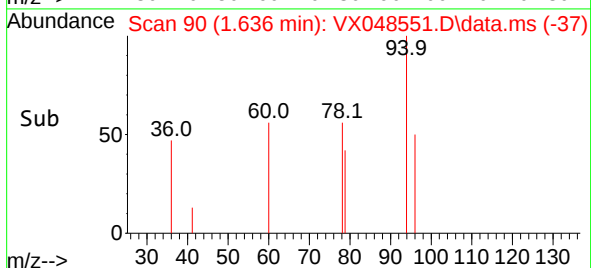
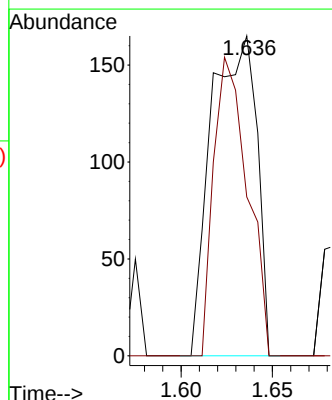
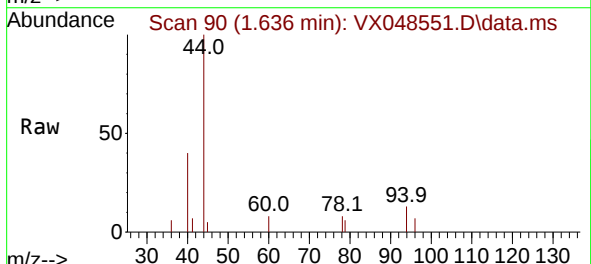
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

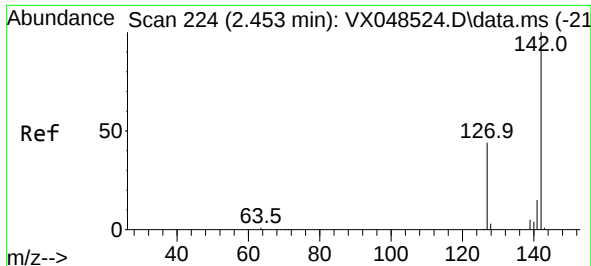
Tgt Ion:168 Resp: 184346
Ion Ratio Lower Upper
168 100
99 55.8 45.2 67.8



#5
Bromomethane
Concen: 0.201 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.024 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

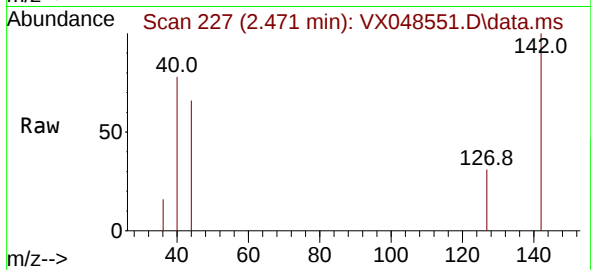
Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 49.7 72.3 108.5#



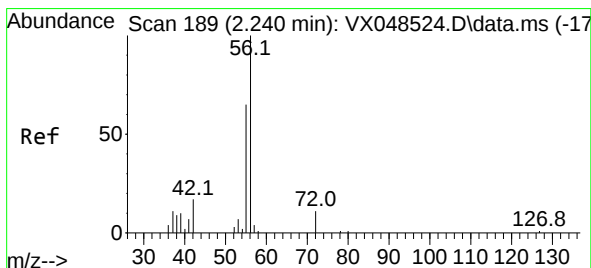
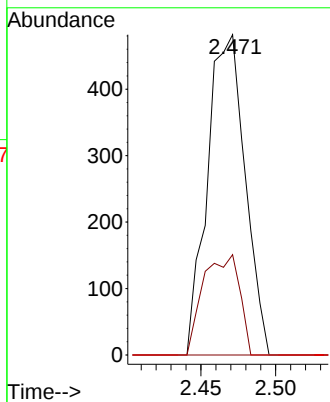
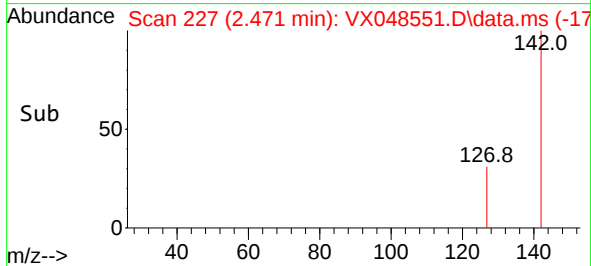


#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

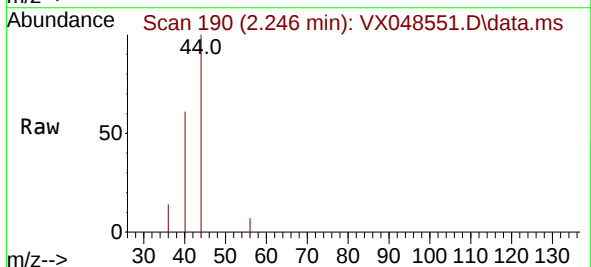
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01



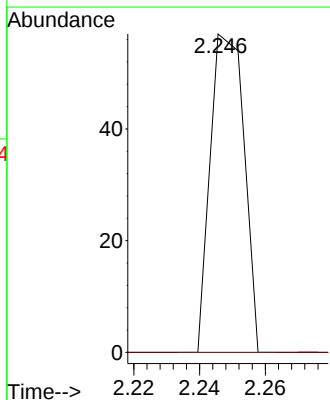
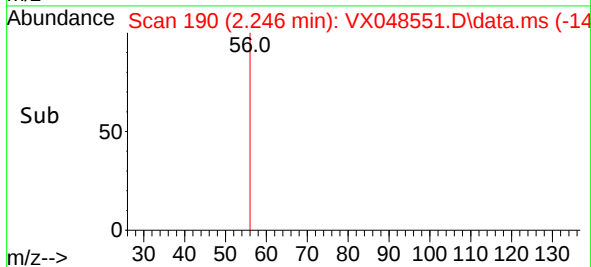
Tgt Ion:142 Resp: 844
Ion Ratio Lower Upper
142 100
127 30.2 35.8 53.6#
141 0.0 11.4 17.0#

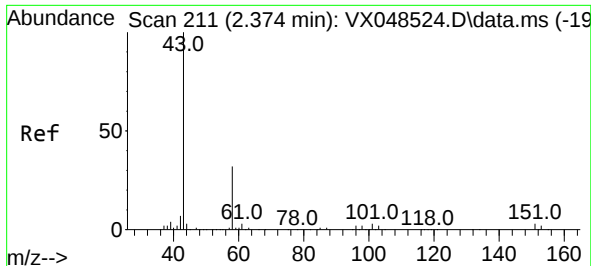


#13
Acrolein
Concen: 0.582 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02



Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

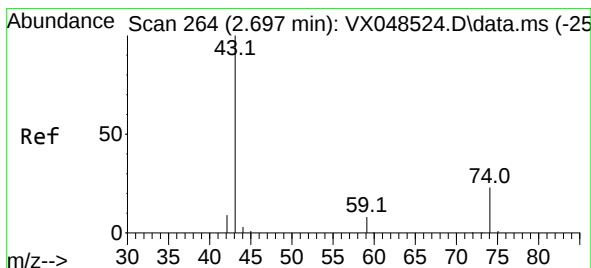
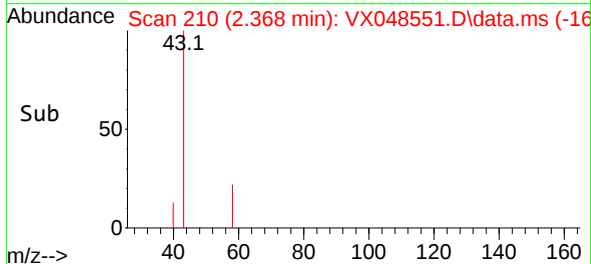
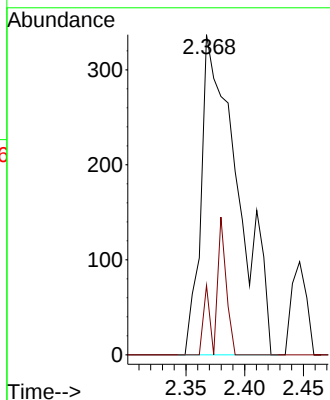
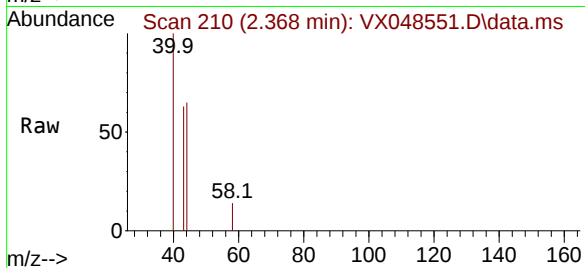




#16
Acetone
Concen: 0.600 ug/l
RT: 2.368 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

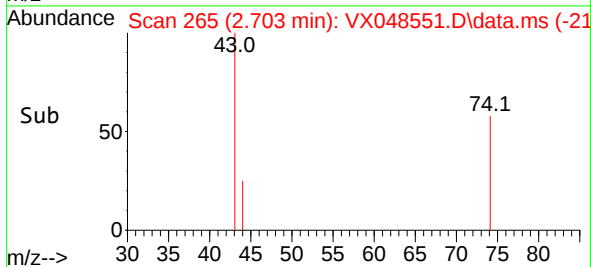
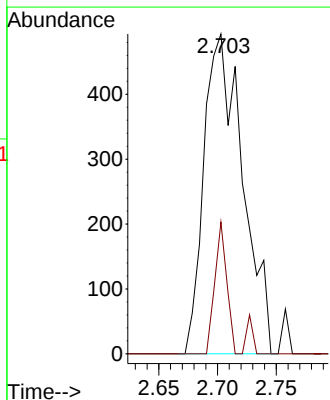
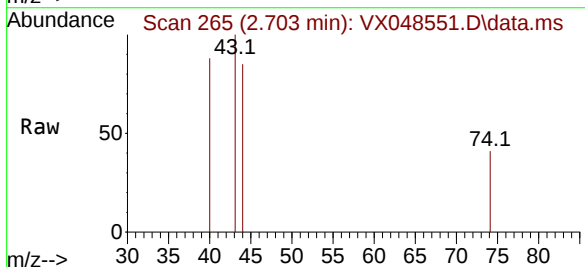
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

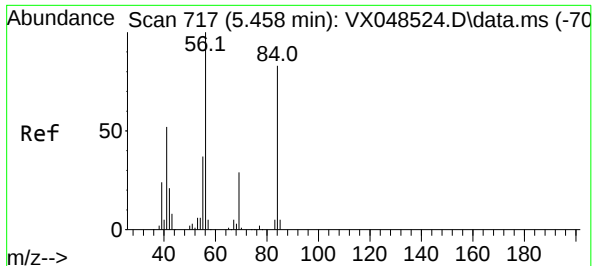
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 21.7 25.8 38.6#



#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
74 12.7 19.1 28.7#

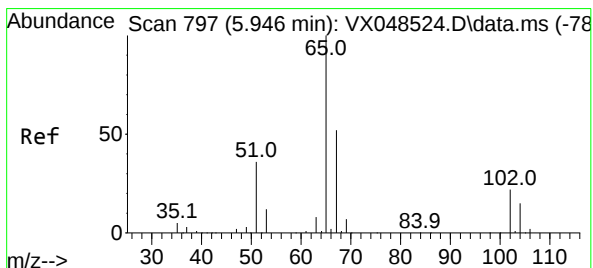
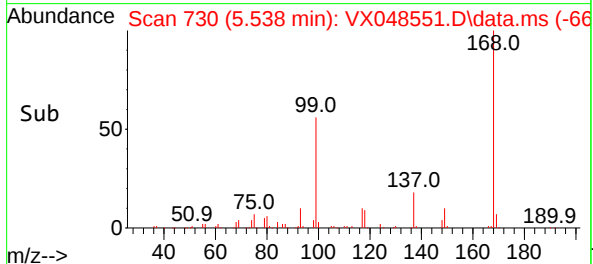
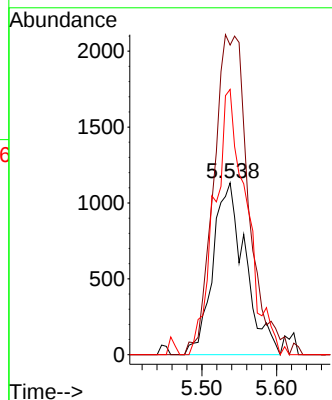
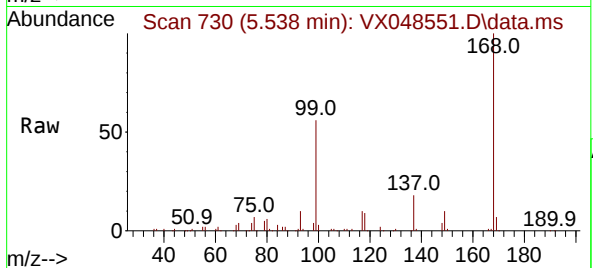




#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

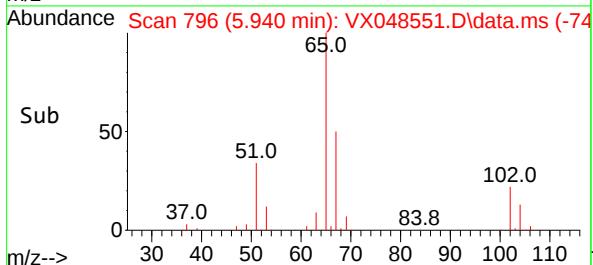
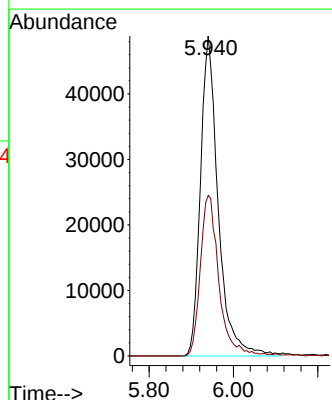
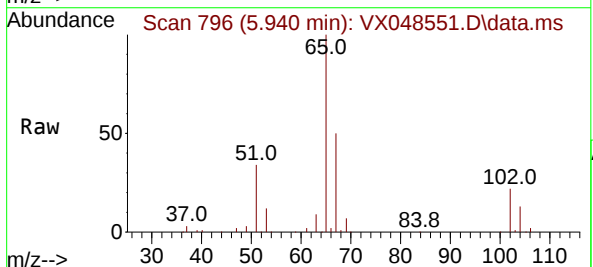
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

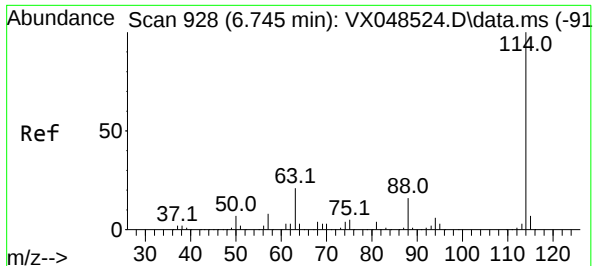
Tgt Ion: 56 Resp: 3412
Ion Ratio Lower Upper
56 100
69 180.1 23.4 35.2#
84 154.3 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 55.623 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 65 Resp: 142879
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

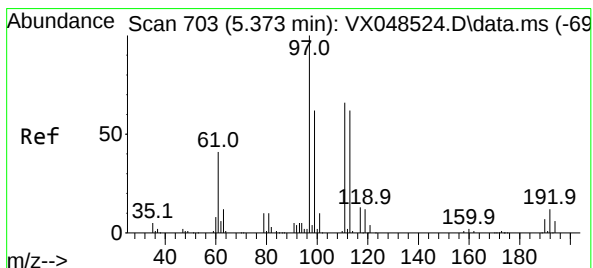
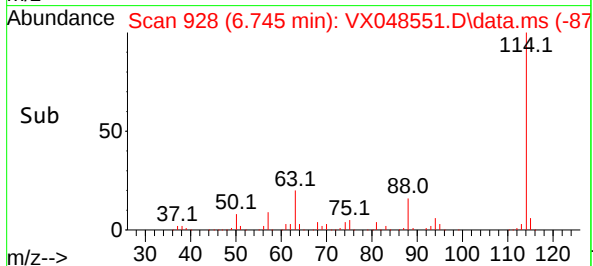
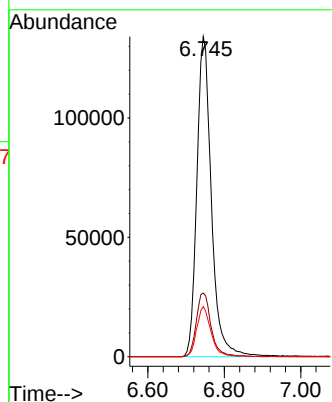
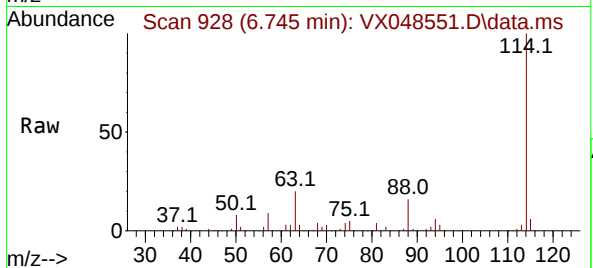




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

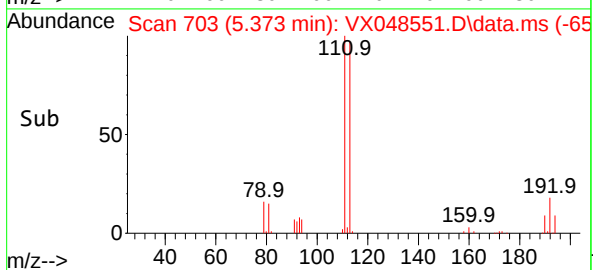
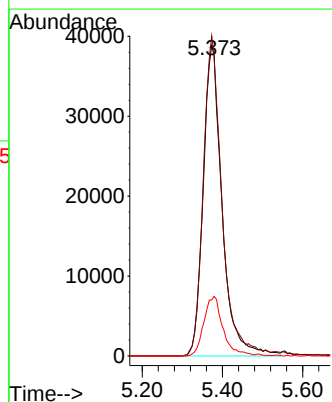
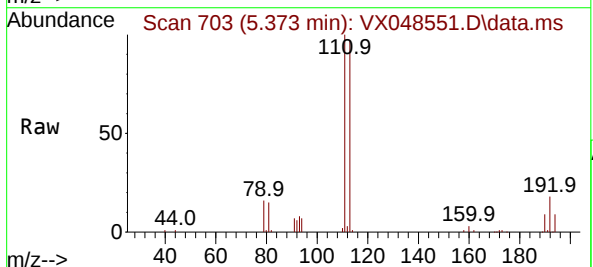
Instrument :
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ClientSampleId :
VX1111WBL01

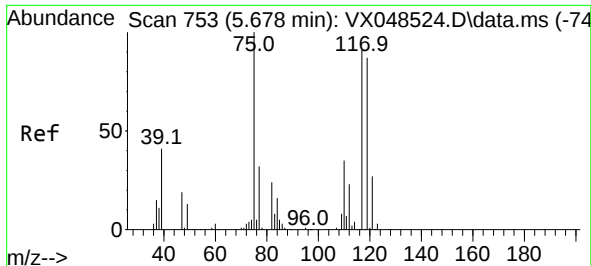
Tgt Ion:114 Resp: 353648
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.2
88 15.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 47.510 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion:113 Resp: 127167
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.3 15.8 23.6

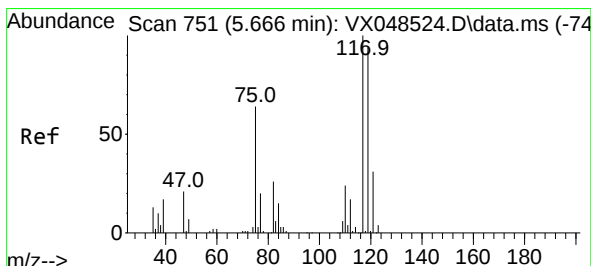
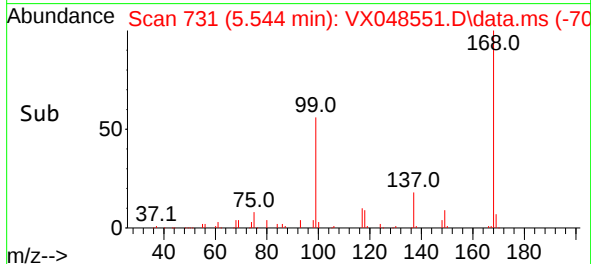
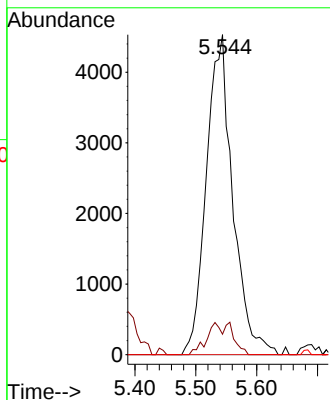
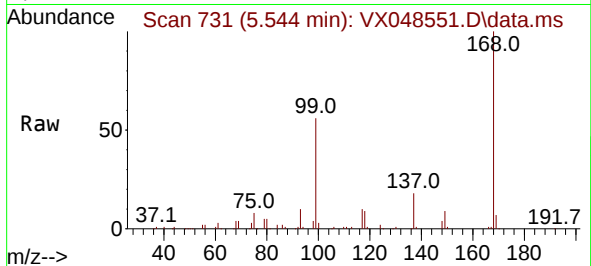




#36
1,1-Dichloropropene
Concen: 3.810 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

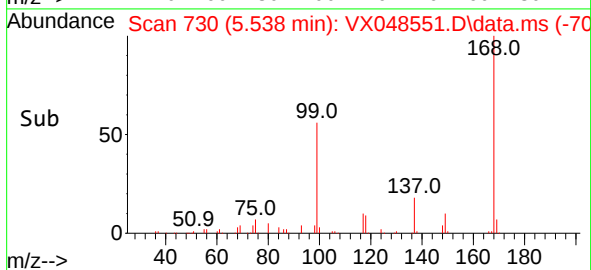
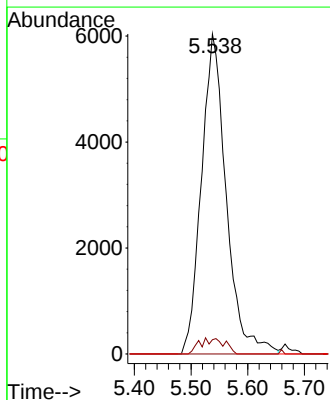
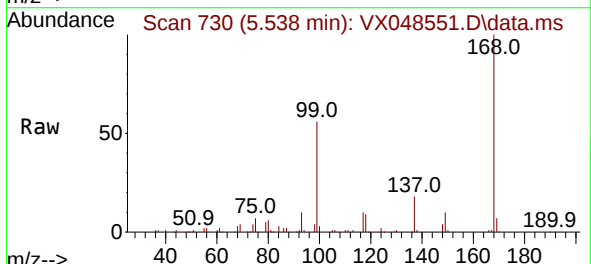
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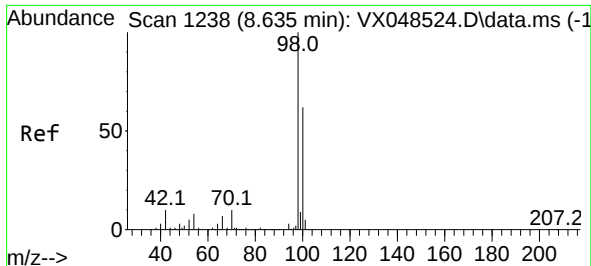
Tgt Ion: 75 Resp: 13656
Ion Ratio Lower Upper
75 100
110 5.8 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.505 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 117 Resp: 18379
Ion Ratio Lower Upper
117 100
119 4.5 74.5 111.7#
121 0.0 24.8 37.2#

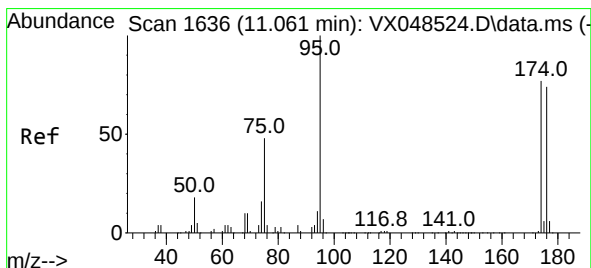
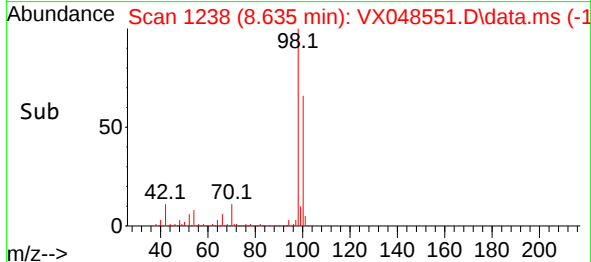
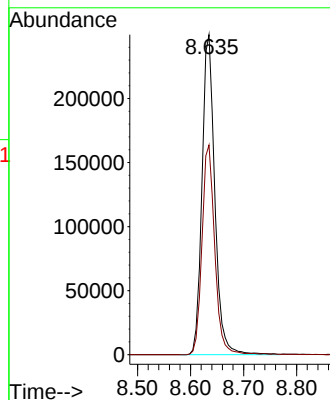
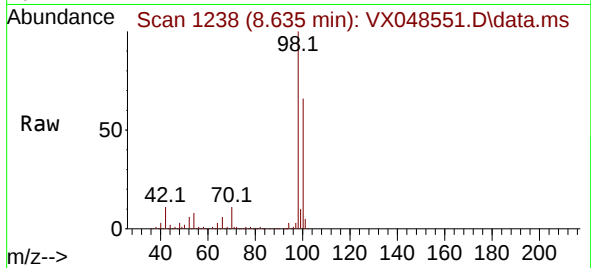




#50
Toluene-d8
Concen: 50.257 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

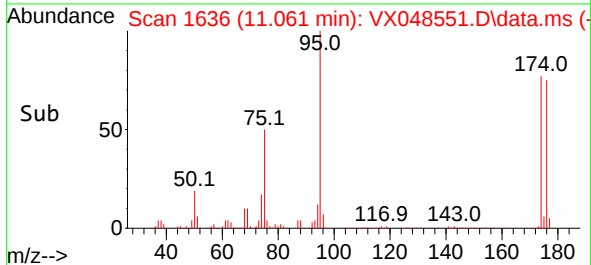
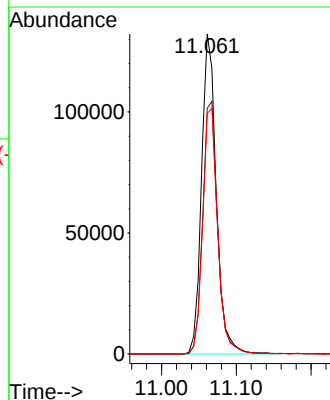
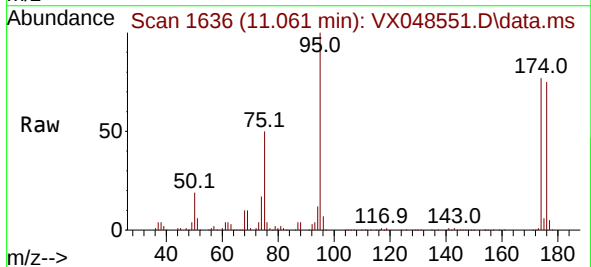
Instrument :
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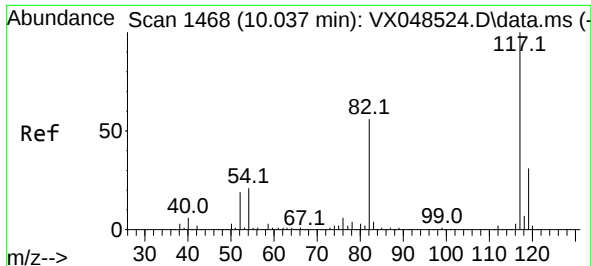
Tgt Ion: 98 Resp: 419546
Ion Ratio Lower Upper
98 100
100 65.5 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 57.997 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 95 Resp: 180428
Ion Ratio Lower Upper
95 100
174 81.0 0.0 161.8
176 78.3 0.0 153.6

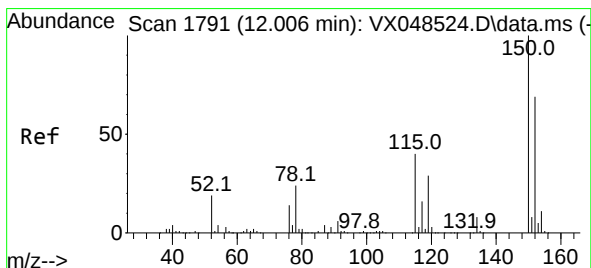
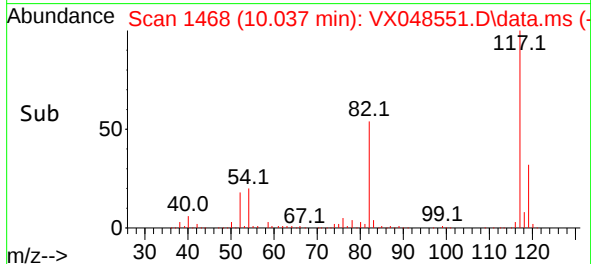
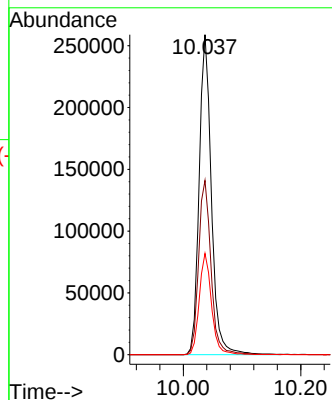
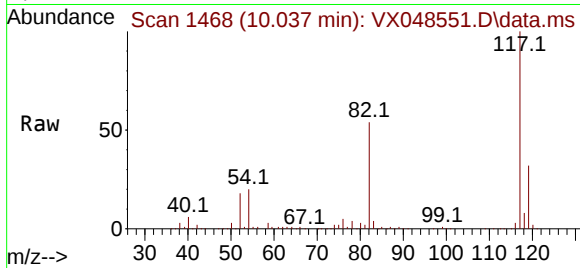




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

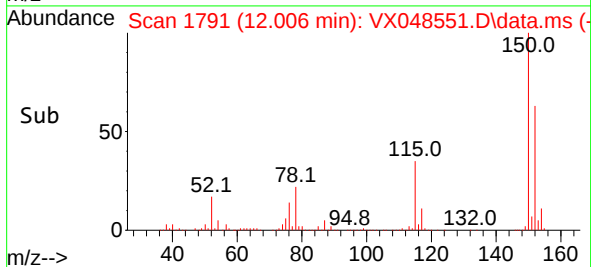
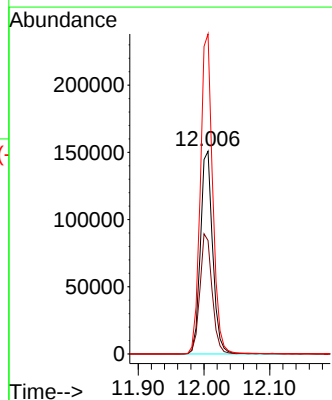
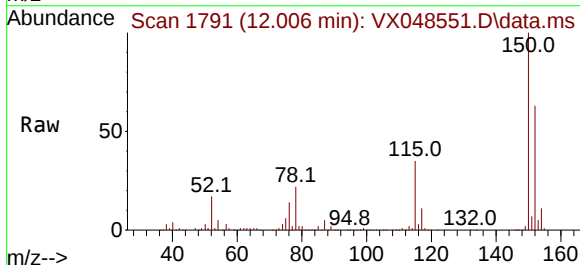
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

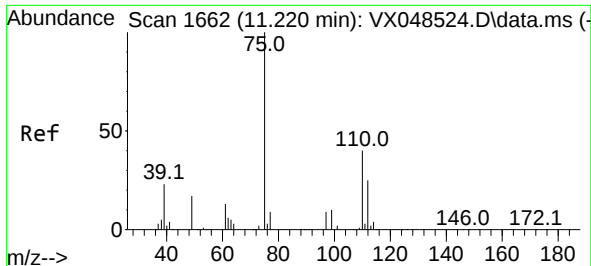
Tgt Ion:117 Resp: 374656
Ion Ratio Lower Upper
117 100
82 54.5 44.4 66.6
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion:152 Resp: 195630
Ion Ratio Lower Upper
152 100
115 59.1 39.2 117.6
150 158.6 0.0 347.0

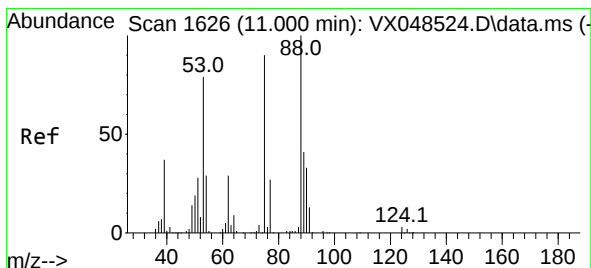
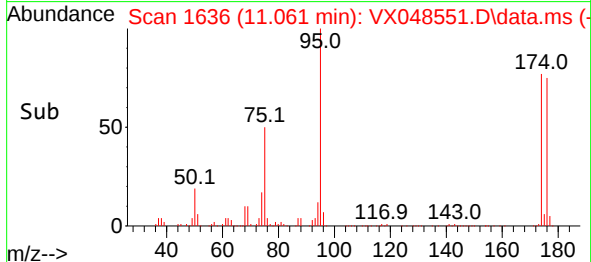
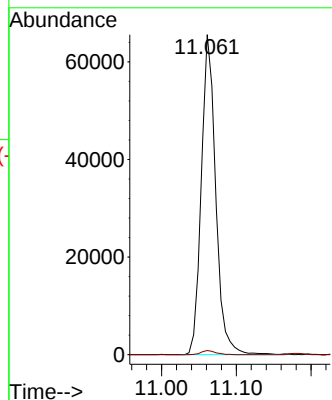
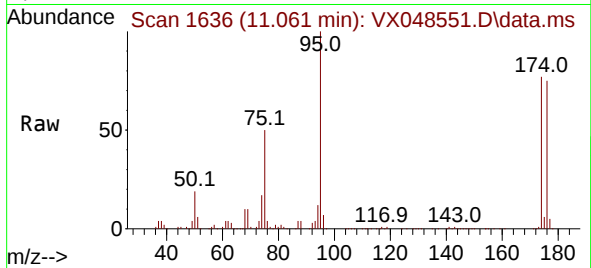




#76
1,2,3-Trichloropropane
Concen: 18.625 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

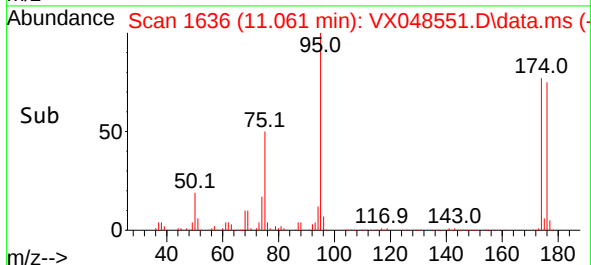
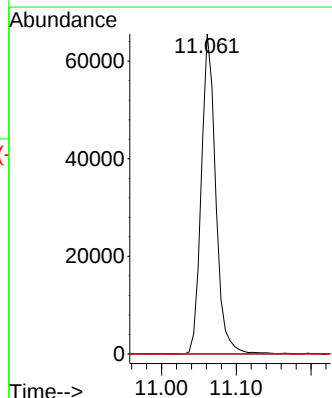
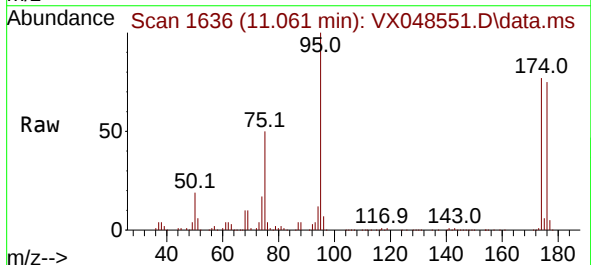
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

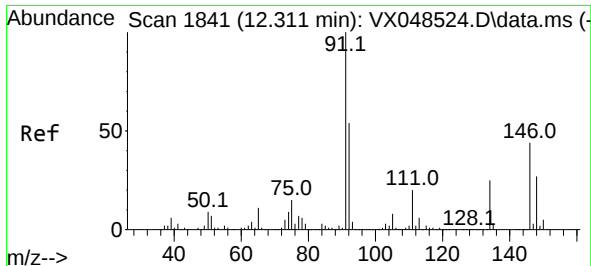
Tgt Ion: 75 Resp: 87781
Ion Ratio Lower Upper
75 100
77 1.3 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.274 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 75 Resp: 87781
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#





#89

n-Butylbenzene

Concen: 0.221 ug/l

RT: 12.317 min Scan# 1841

Delta R.T. 0.006 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

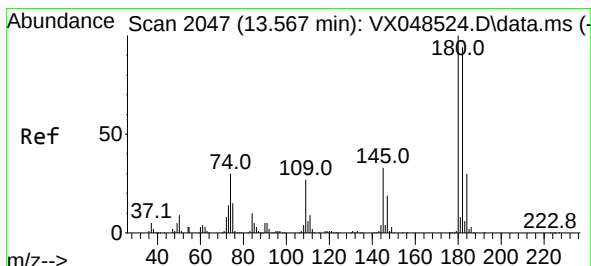
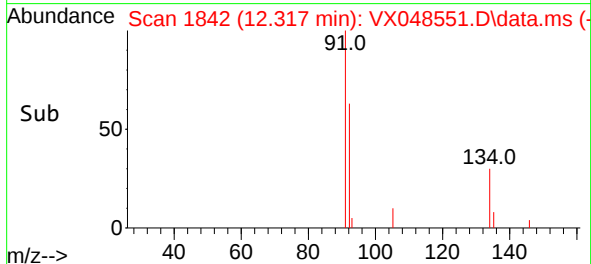
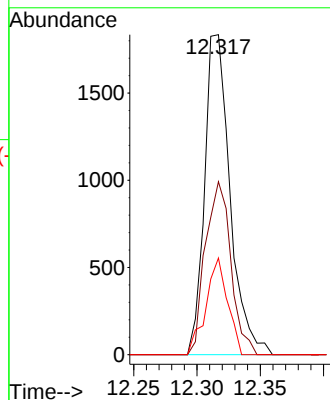
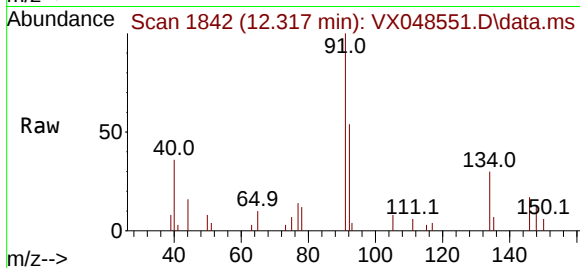
Tgt Ion: 91 Resp: 2581

Ion Ratio Lower Upper

91 100

92 54.0 27.2 81.5

134 25.6 13.0 39.0



#93

1,2,4-Trichlorobenzene

Concen: 0.272 ug/l

RT: 13.579 min Scan# 2049

Delta R.T. 0.012 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

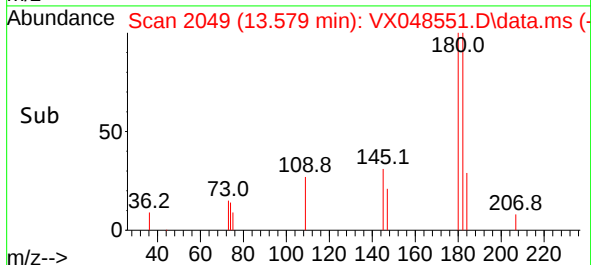
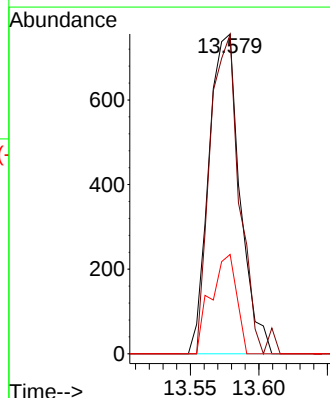
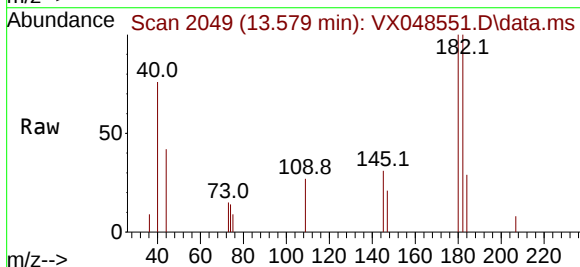
Tgt Ion: 180 Resp: 1194

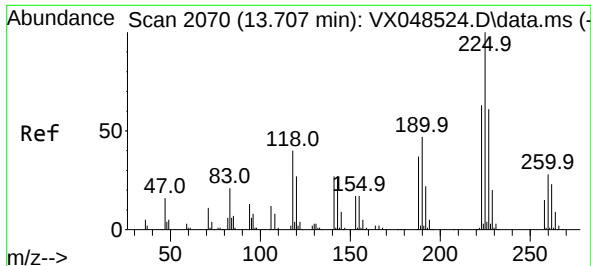
Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.6

145 25.5 15.9 47.7

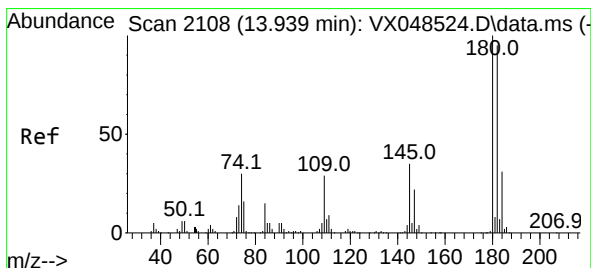
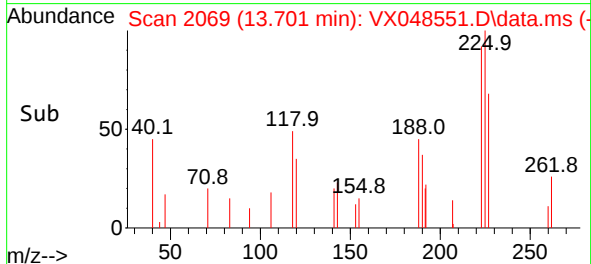
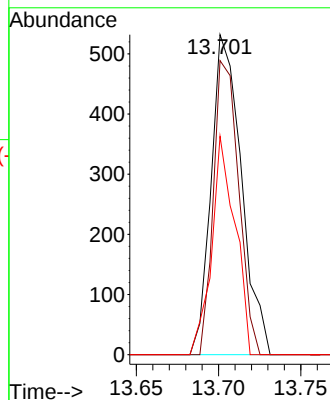
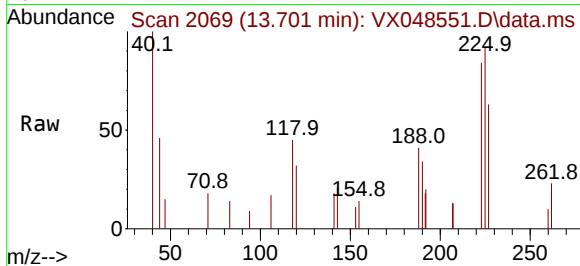




#94
Hexachlorobutadiene
Concen: 0.369 ug/l
RT: 13.701 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Tgt Ion:	225	Resp:	677
Ion	Ratio	Lower	Upper
225	100		
223	76.8	30.6	92.0
227	52.9	32.5	97.4



#96
1,2,3-Trichlorobenzene
Concen: 0.209 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion:	180	Resp:	852
Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.3	142.0
145	38.4	16.7	50.0

