

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048604.D
 Acq On : 14 Nov 2025 11:39
 Operator : JC/MD
 Sample : VX1114WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBL01

Quant Time: Nov 14 22:18:53 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)

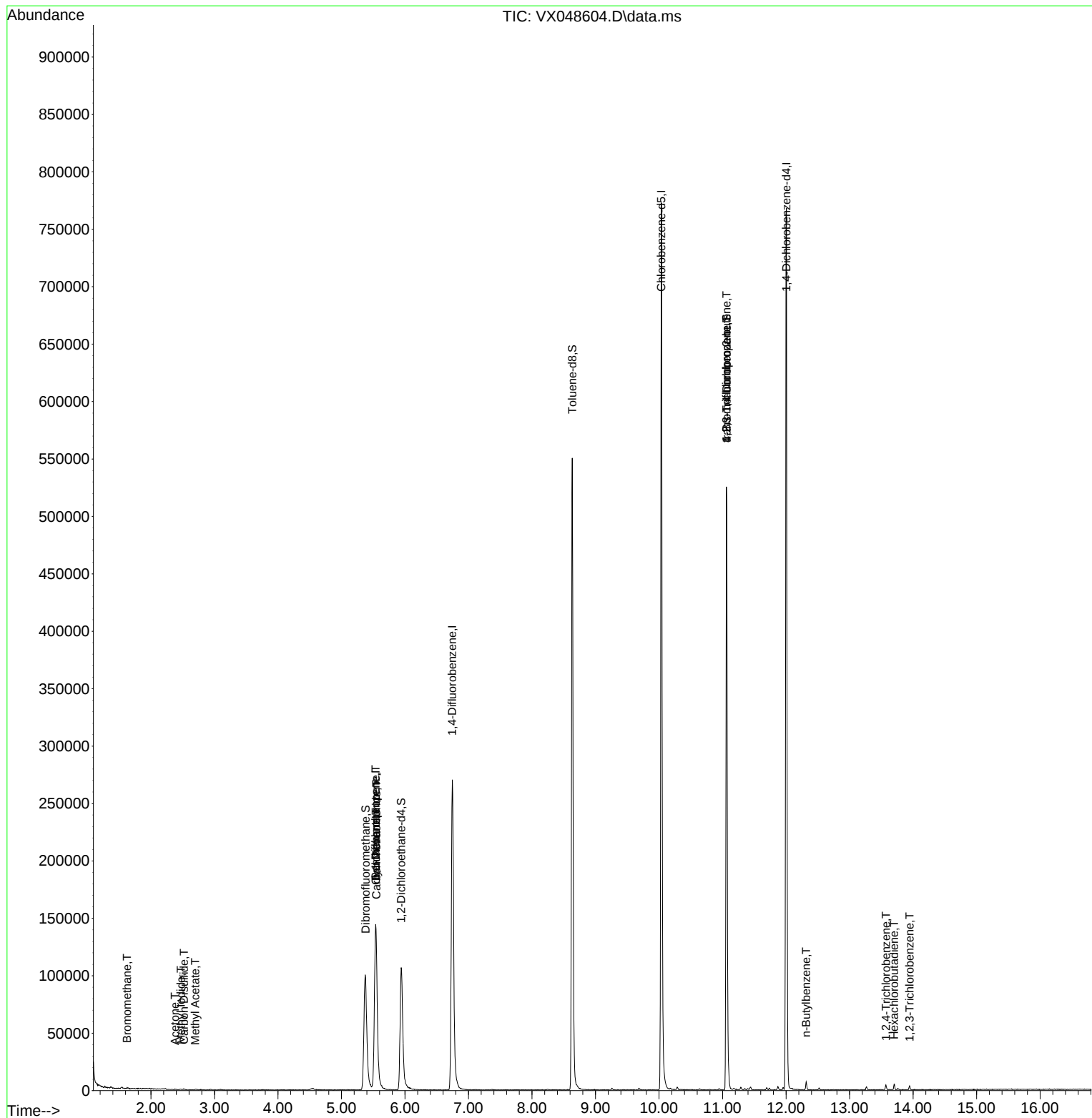
Internal Standards						
1) Pentafluorobenzene	5.538	168	149161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	302183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	367753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	166817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121003	58.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.440%			
35) Dibromofluoromethane	5.379	113	100133	43.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.560%			
50) Toluene-d8	8.635	98	350615	49.153	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.300%			
62) 4-Bromofluorobenzene	11.061	95	148553	55.883	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.760%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	398	0.347	ug/l	89
10) Methyl Iodide	2.471	142	836	0.340	ug/l #	89
16) Acetone	2.380	43	528	0.537	ug/l	95
17) Carbon Disulfide	2.520	76	1407	0.288	ug/l #	75
18) Methyl Acetate	2.697	43	925	0.342	ug/l #	76
31) Cyclohexane	5.544	56	3232	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12597	4.113	ug/l #	49
38) Carbon Tetrachloride	5.550	117	14955	4.290	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	78838	19.617	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	78838	56.111	ug/l #	12
89) n-Butylbenzene	12.317	91	2775	0.279	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	1283	0.343	ug/l	95
94) Hexachlorobutadiene	13.701	225	689	0.441	ug/l	77
96) 1,2,3-Trichlorobenzene	13.945	180	1037	0.298	ug/l	91

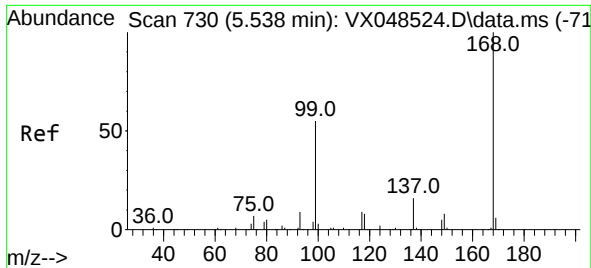
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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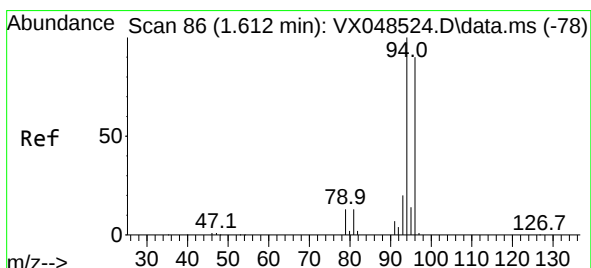
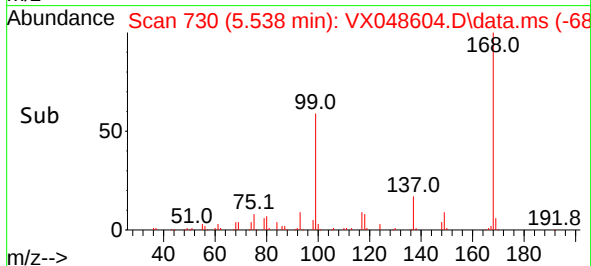
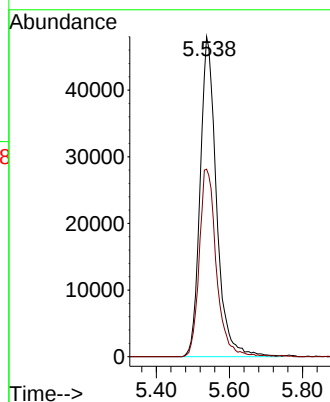
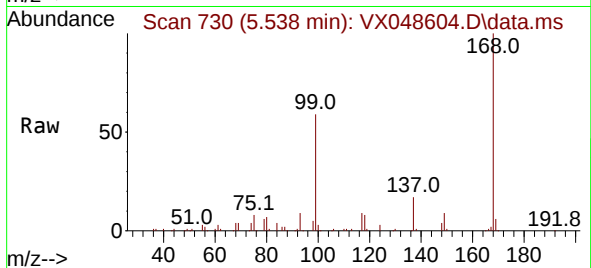




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

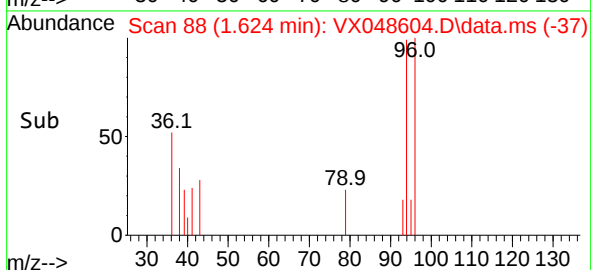
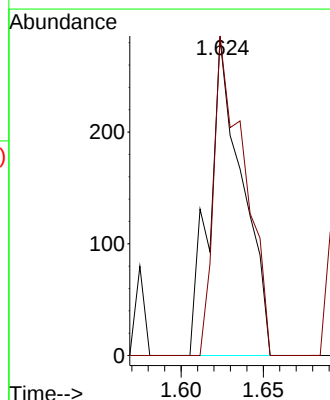
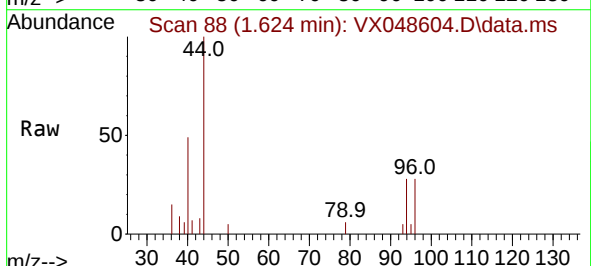
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

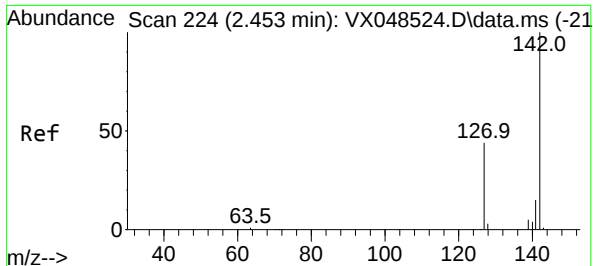
Tgt Ion:168 Resp: 149161
Ion Ratio Lower Upper
168 100
99 58.6 45.2 67.8



#5
Bromomethane
Concen: 0.347 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 94 Resp: 398
Ion Ratio Lower Upper
94 100
96 100.7 72.3 108.5

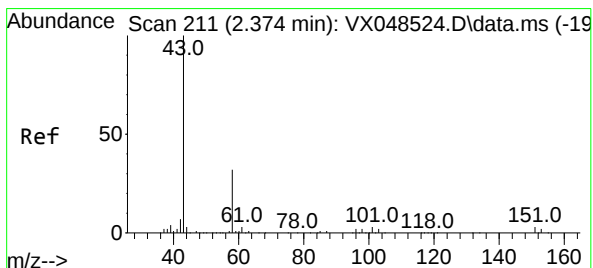
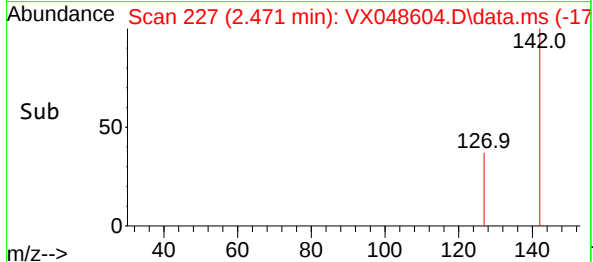
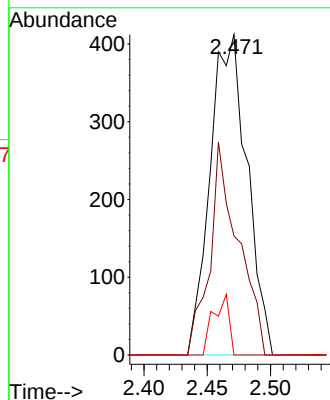
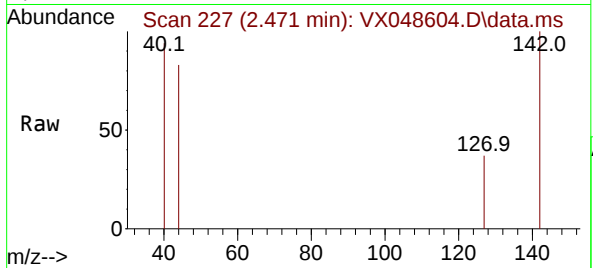




#10
Methyl Iodide
Concen: 0.340 ug/l
RT: 2.471 min Scan# 212
Delta R.T. 0.018 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

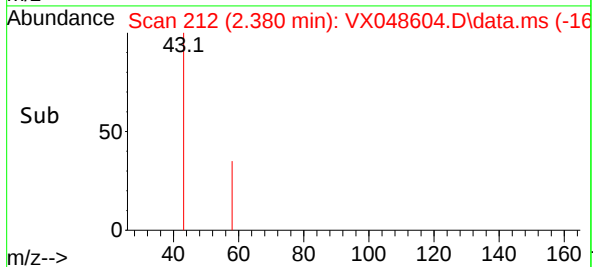
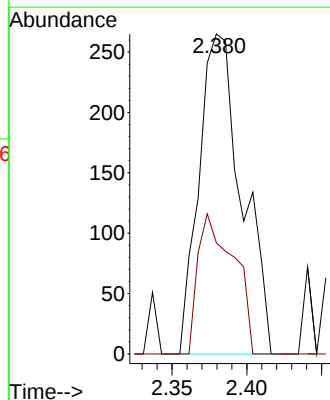
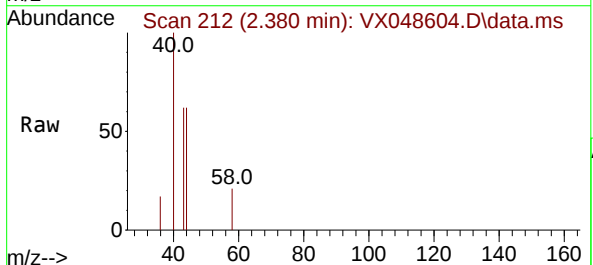
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

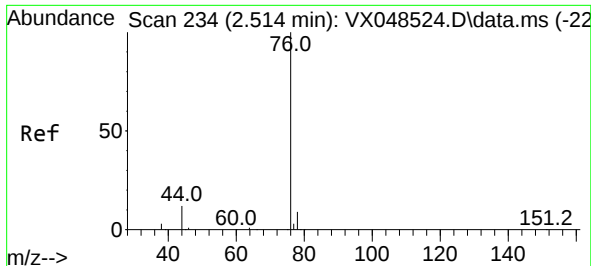
Tgt Ion:142 Resp: 836
Ion Ratio Lower Upper
142 100
127 51.1 35.8 53.6
141 8.0 11.4 17.0#



#16
Acetone
Concen: 0.537 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 34.7 25.8 38.6

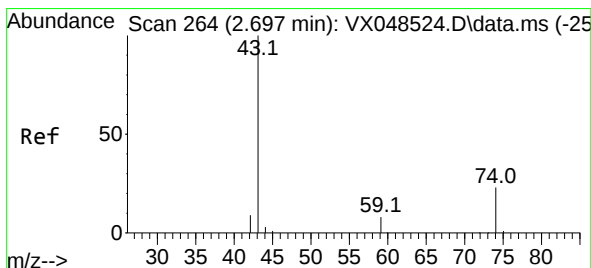
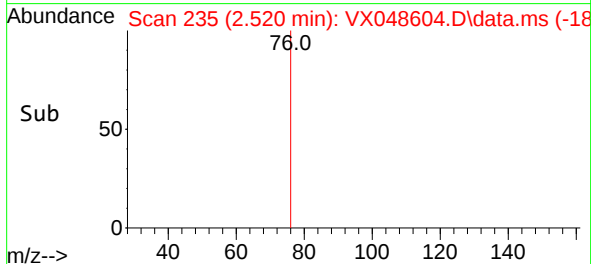
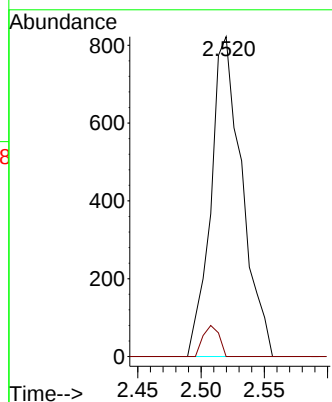
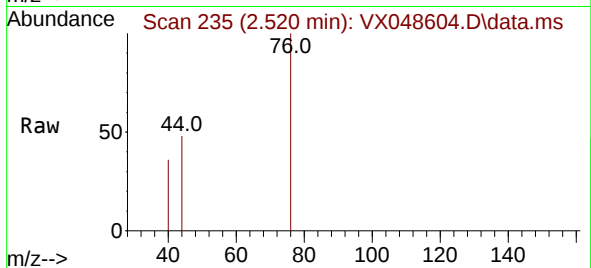




#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

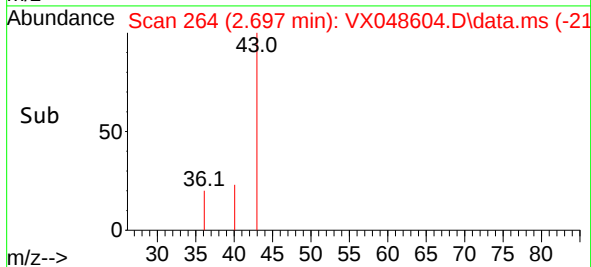
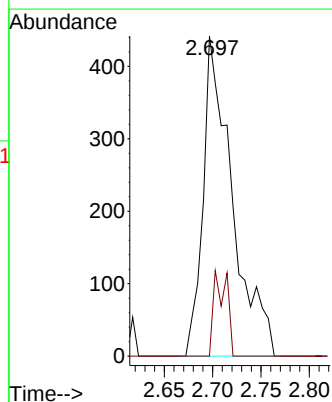
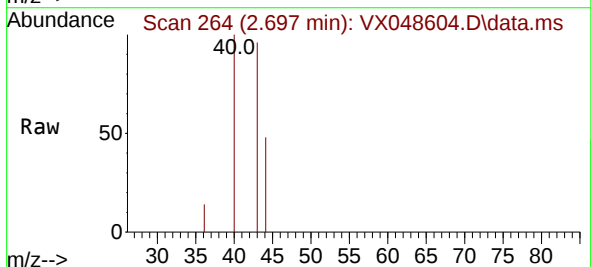
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

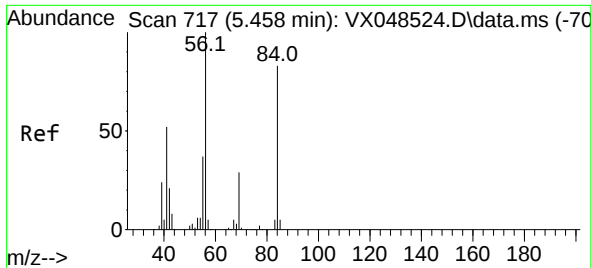
Tgt Ion: 76 Resp: 1407
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
74 11.9 19.1 28.7#

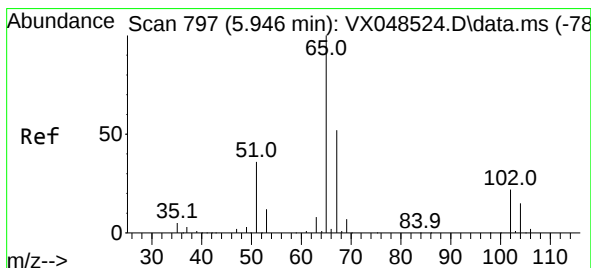
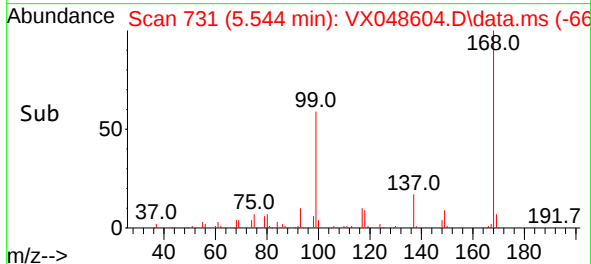
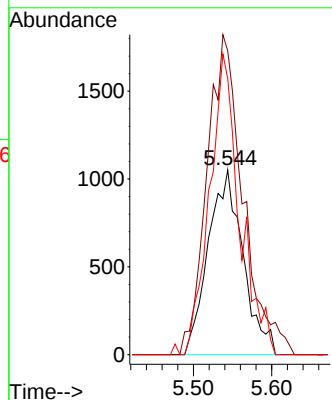
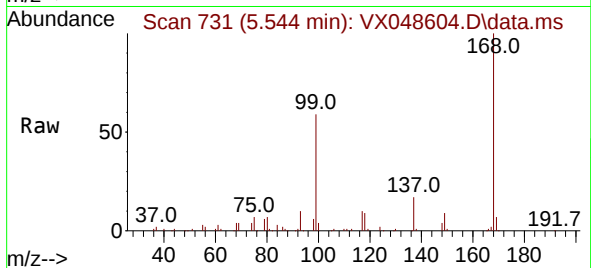




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

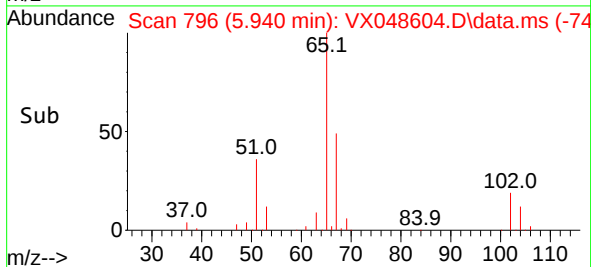
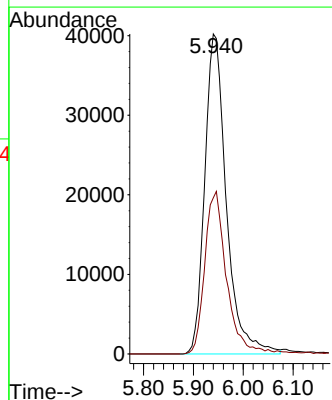
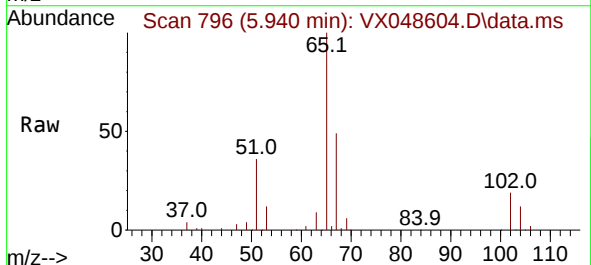
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

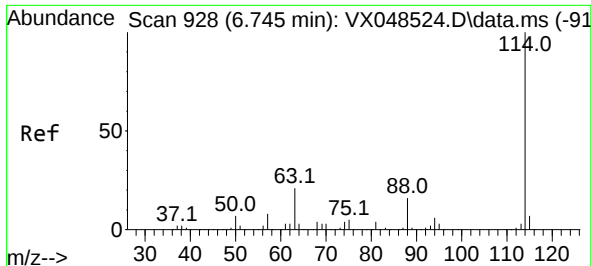
Tgt Ion: 56 Resp: 3232
Ion Ratio Lower Upper
56 100
69 164.4 23.4 35.2#
84 149.4 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 58.218 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 65 Resp: 121003
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

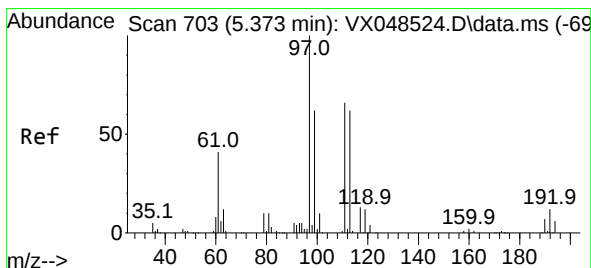
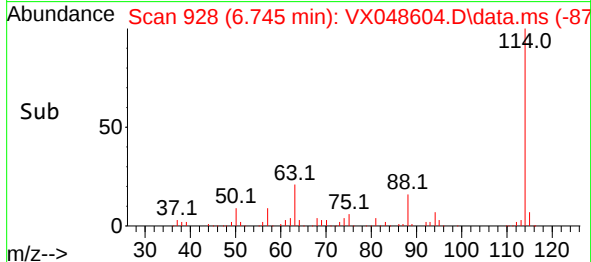
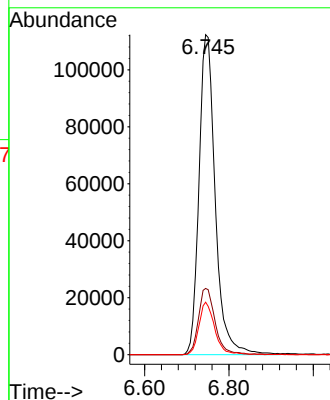
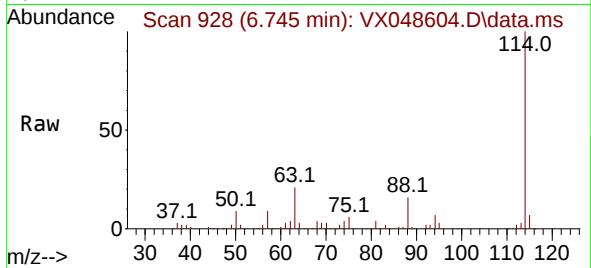




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

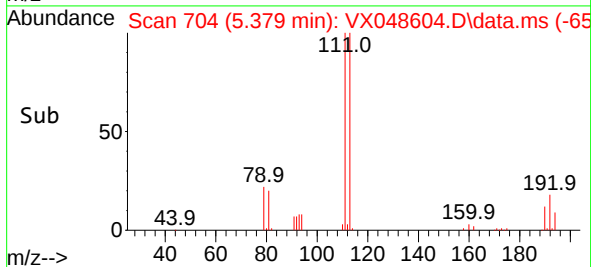
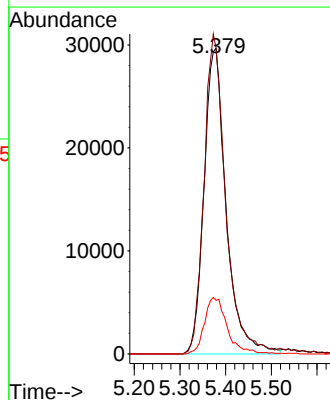
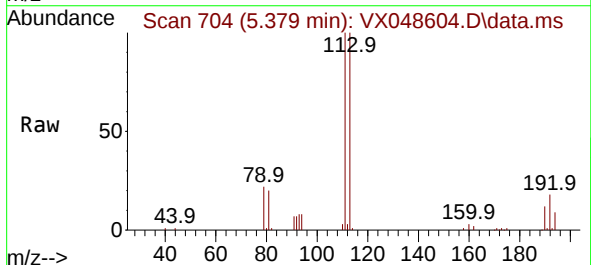
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

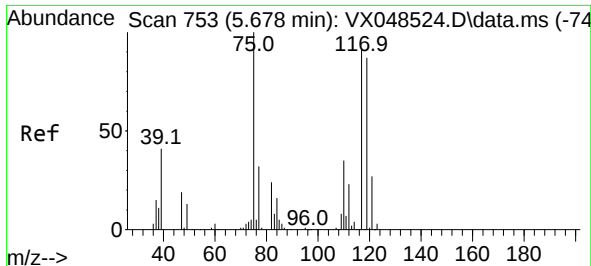
Tgt Ion:114 Resp: 302183
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.2
88 16.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 43.781 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion:113 Resp: 100133
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 18.9 15.8 23.6

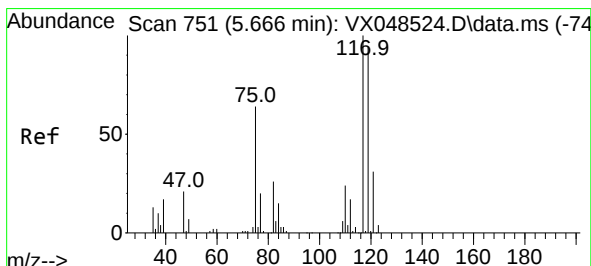
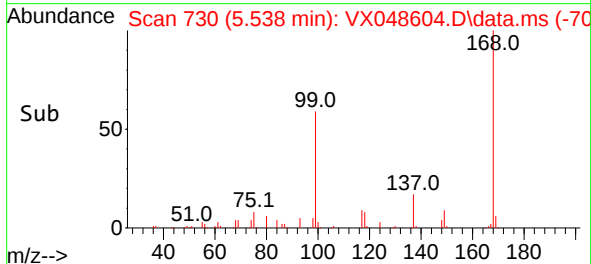
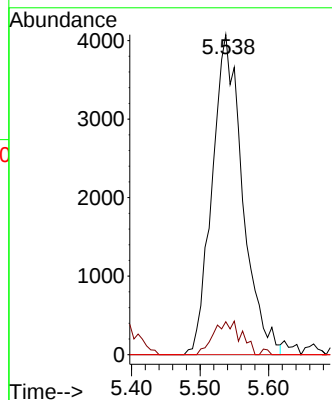
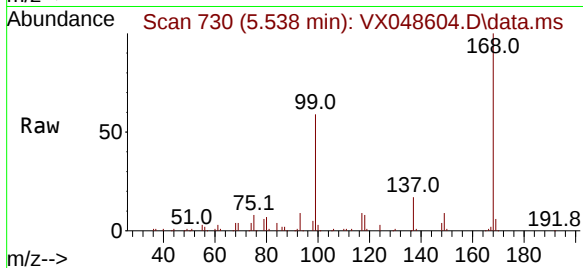




#36
1,1-Dichloropropene
Concen: 4.113 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

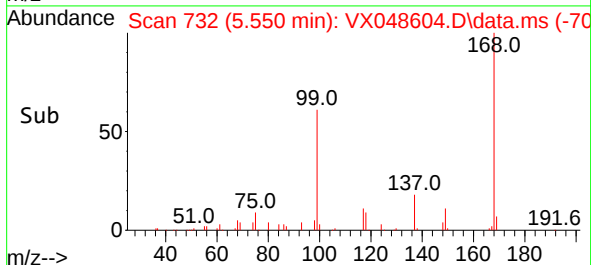
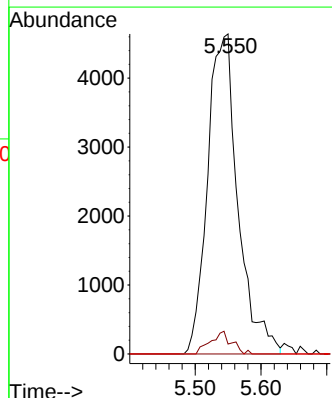
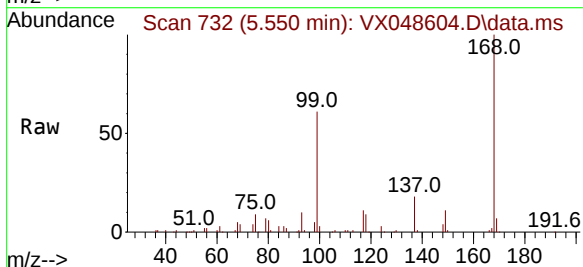
Instrument :
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VX1114WBL01

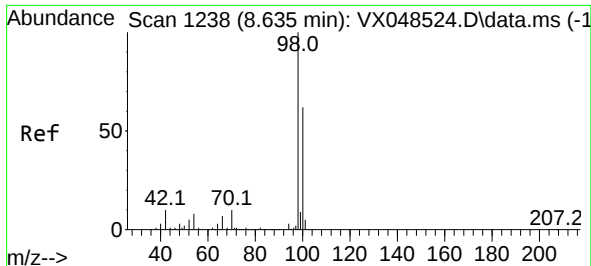
Tgt Ion: 75 Resp: 12597
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.290 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.116 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 117 Resp: 14955
Ion Ratio Lower Upper
117 100
119 3.1 74.5 111.7#
121 0.0 24.8 37.2#

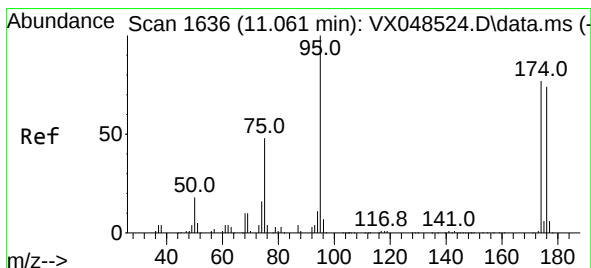
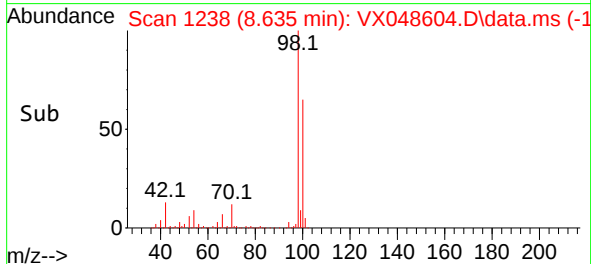
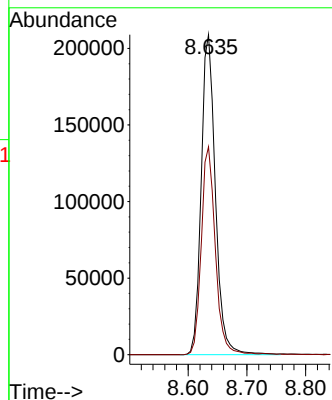
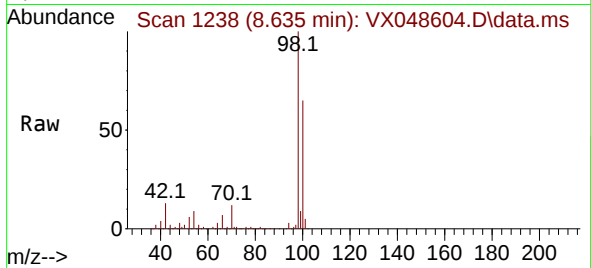




#50
Toluene-d8
Concen: 49.153 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

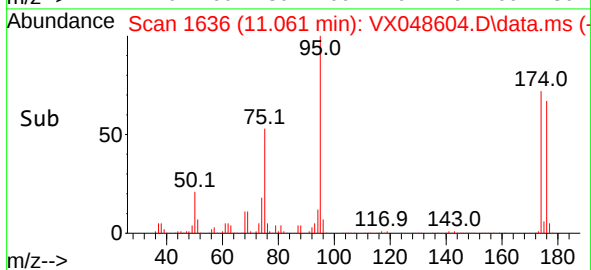
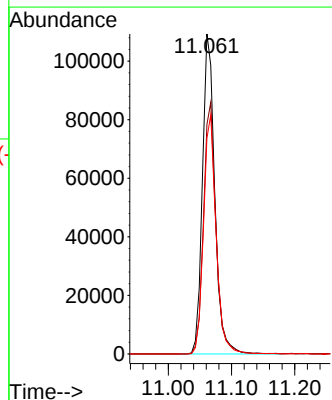
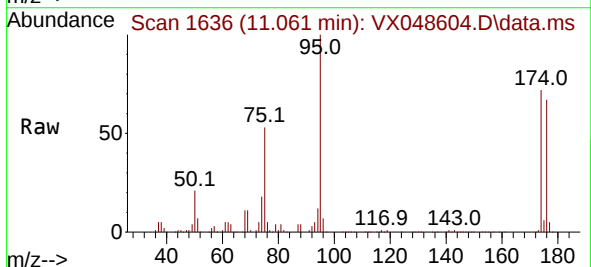
Instrument :
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VX1114WBL01

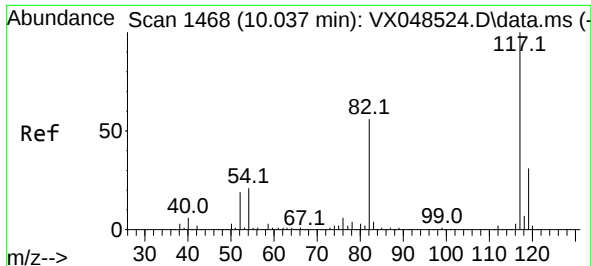
Tgt Ion: 98 Resp: 350615
Ion Ratio Lower Upper
98 100
100 64.3 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 55.883 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 95 Resp: 148553
Ion Ratio Lower Upper
95 100
174 79.6 0.0 161.8
176 76.0 0.0 153.6

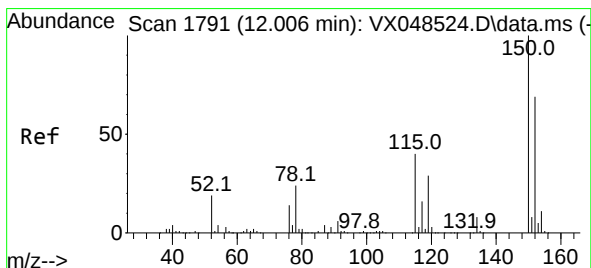
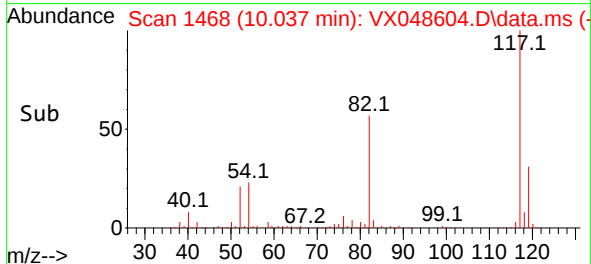
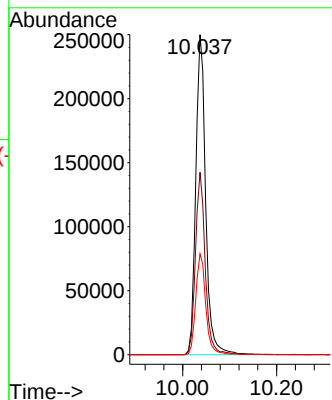
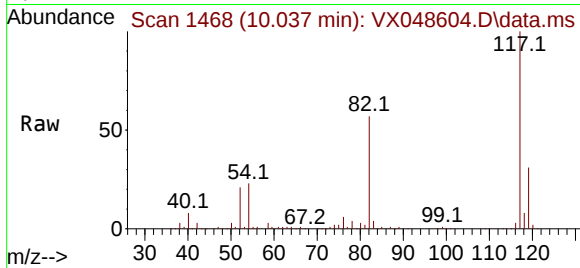




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

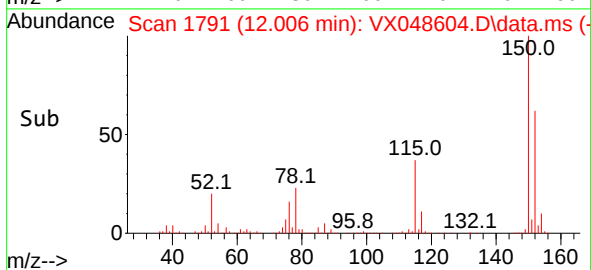
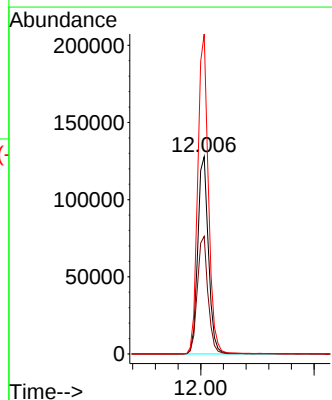
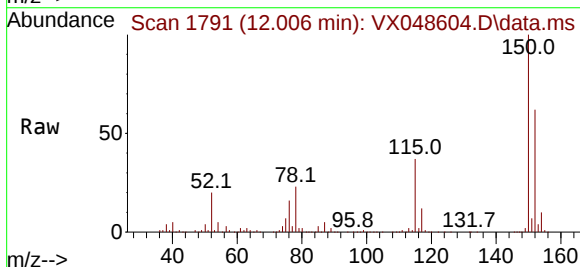
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

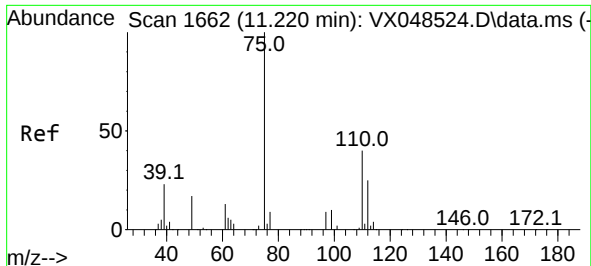
Tgt Ion:117 Resp: 367753
Ion Ratio Lower Upper
117 100
82 57.0 44.4 66.6
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion:152 Resp: 166817
Ion Ratio Lower Upper
152 100
115 59.6 39.2 117.6
150 161.5 0.0 347.0

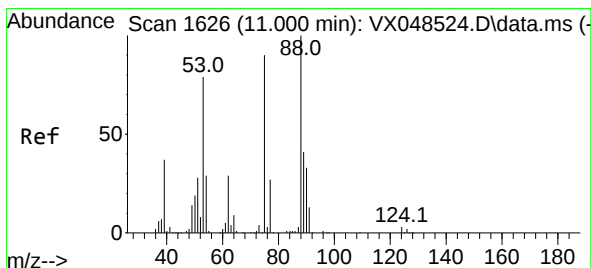
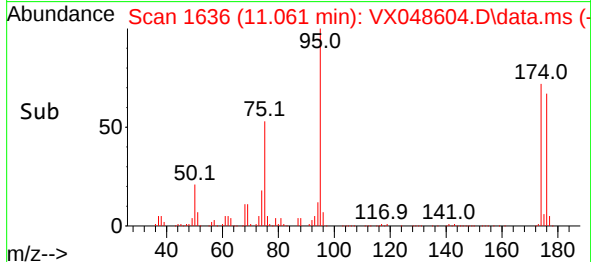
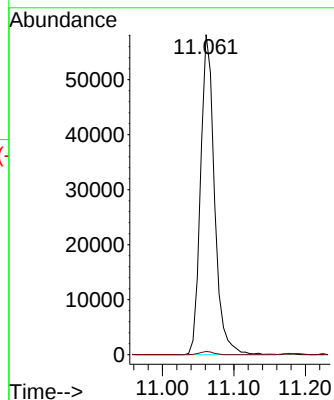
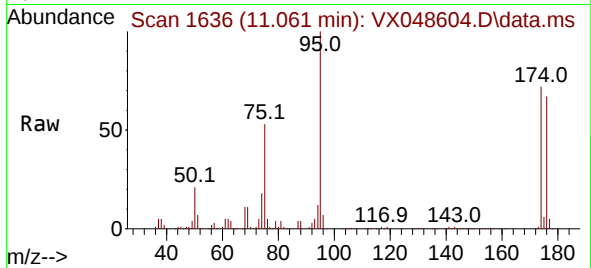




#76
1,2,3-Trichloropropane
Concen: 19.617 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

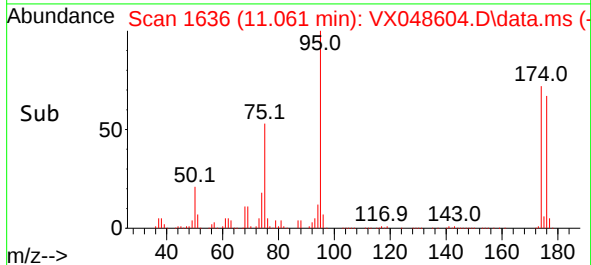
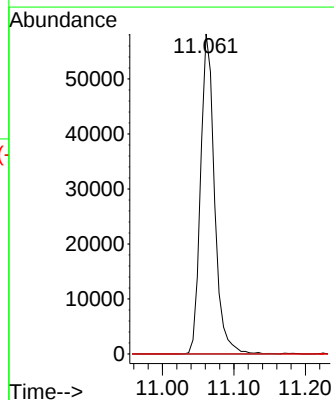
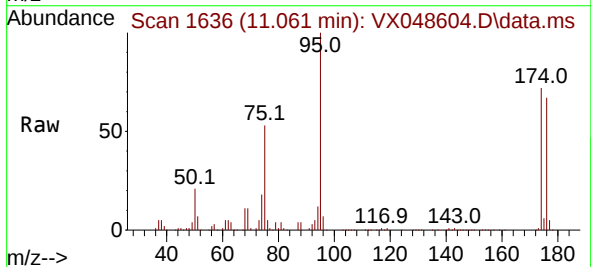
Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

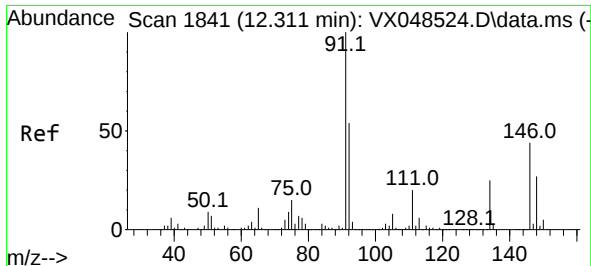
Tgt Ion: 75 Resp: 78838
Ion Ratio Lower Upper
75 100
77 1.0 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.111 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion: 75 Resp: 78838
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#





#89

n-Butylbenzene

Concen: 0.279 ug/l

RT: 12.317 min Scan# 1841

Delta R.T. 0.006 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

Instrument :

MSVOA_X

ClientSampleId :

VX1114WBL01

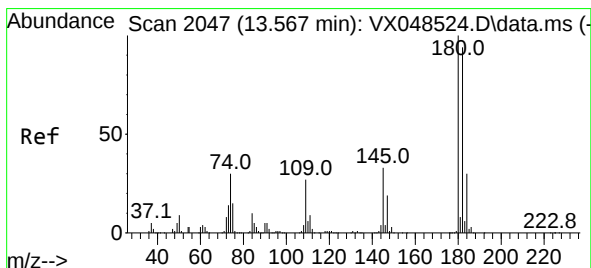
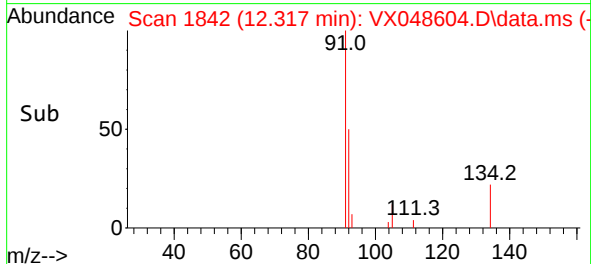
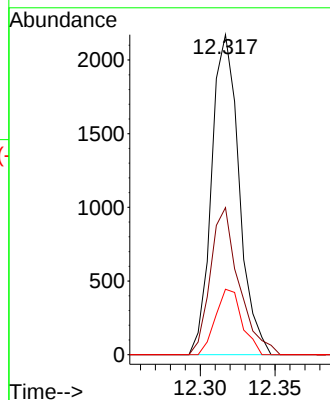
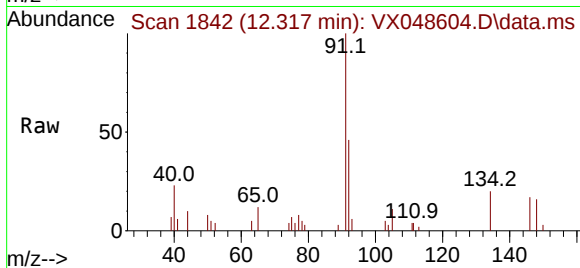
Tgt Ion: 91 Resp: 2775

Ion Ratio Lower Upper

91 100

92 47.9 27.2 81.5

134 19.8 13.0 39.0



#93

1,2,4-Trichlorobenzene

Concen: 0.343 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX048604.D

Acq: 14 Nov 2025 11:39

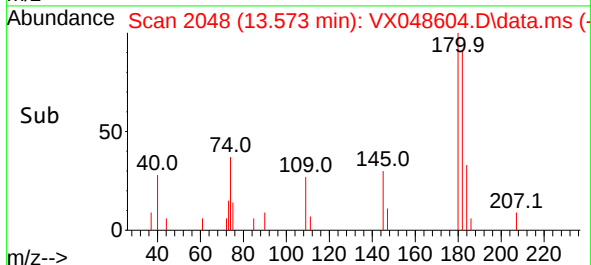
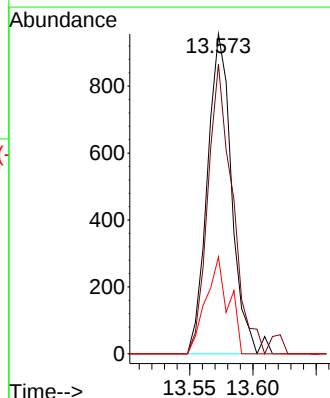
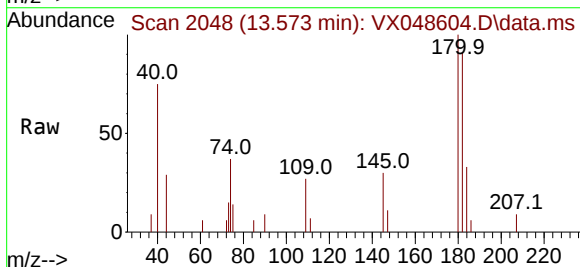
Tgt Ion: 180 Resp: 1283

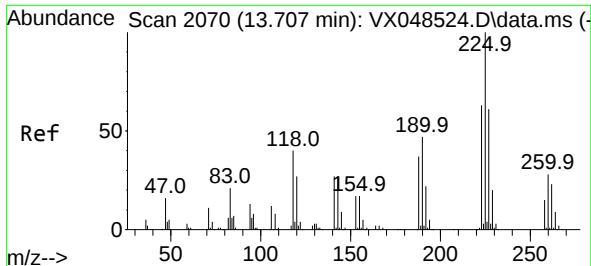
Ion Ratio Lower Upper

180 100

182 91.0 47.5 142.6

145 28.4 15.9 47.7

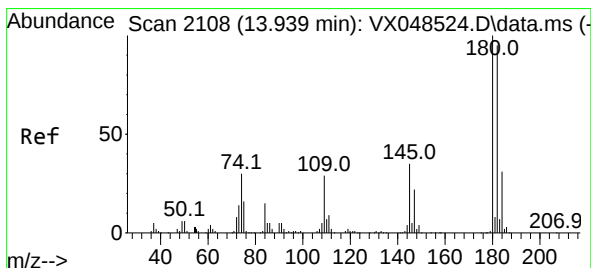
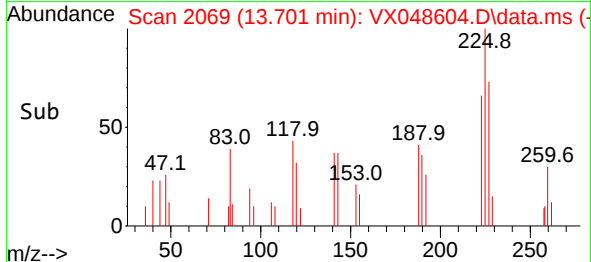
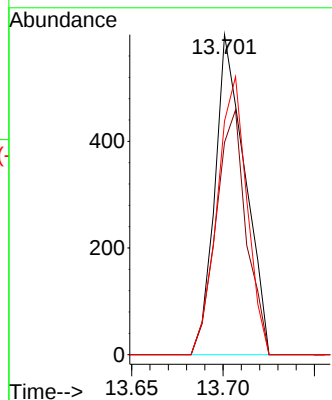
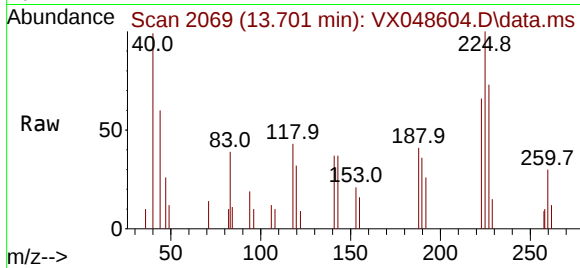




#94
Hexachlorobutadiene
Concen: 0.441 ug/l
RT: 13.701 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
VX1114WBL01

Tgt Ion:	225	Resp:	689
Ion	Ratio	Lower	Upper
225	100		
223	76.8	30.6	92.0
227	85.3	32.5	97.4



#96
1,2,3-Trichlorobenzene
Concen: 0.298 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048604.D
Acq: 14 Nov 2025 11:39

Tgt Ion:	180	Resp:	1037
Ion	Ratio	Lower	Upper
180	100		
182	83.2	47.3	142.0
145	33.1	16.7	50.0

