

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047594.D
 Acq On : 16 Sep 2025 14:53
 Operator : JC/MD
 Sample : VX0916WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBL01

Quant Time: Sep 22 02:08:17 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)

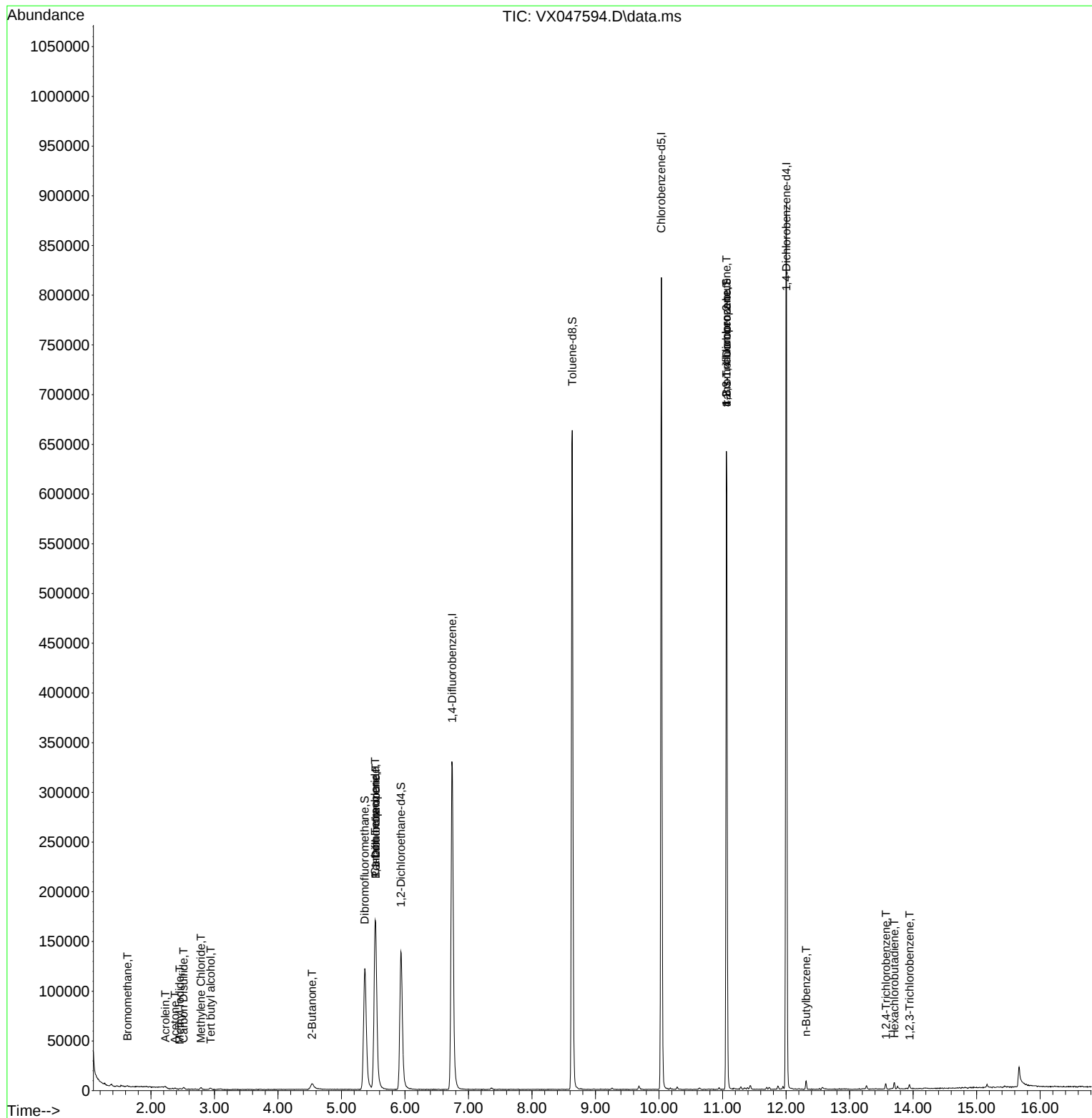
Internal Standards						
1) Pentafluorobenzene	5.538	168	170934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	354724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	356396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	185546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	152887	56.191	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.380%	
35) Dibromofluoromethane	5.367	113	117659	49.458	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.920%	
50) Toluene-d8	8.635	98	408157	49.583	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	11.061	95	181994	58.255	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	397	0.275	ug/l	81
10) Methyl Iodide	2.453	142	639	0.207	ug/l #	64
11) Tert butyl alcohol	2.940	59	196	0.647	ug/l #	72
13) Acrolein	2.227	56	174	0.623	ug/l #	78
16) Acetone	2.380	43	1086	0.918	ug/l	97
17) Carbon Disulfide	2.514	76	2270	0.408	ug/l #	91
20) Methylene Chloride	2.788	84	870	0.347	ug/l #	73
25) 2-Butanone	4.538	43	540	0.366	ug/l #	50
36) 1,1-Dichloropropene	5.538	75	15240	4.384	ug/l #	50
38) Carbon Tetrachloride	5.531	117	18501	4.898	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	95745	25.486	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	95745	64.994	ug/l #	8
89) n-Butylbenzene	12.317	91	3156	0.286	ug/l	99
93) 1,2,4-Trichlorobenzene	13.573	180	1416	0.354	ug/l	91
94) Hexachlorobutadiene	13.707	225	930	0.685	ug/l	86
96) 1,2,3-Trichlorobenzene	13.945	180	954	0.257	ug/l	98

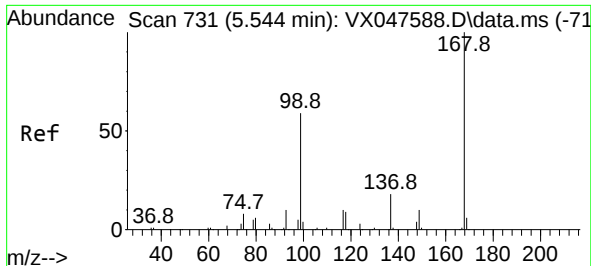
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
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ClientSampleId :
VX0916WBL01

Quant Time: Sep 22 02:08:17 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

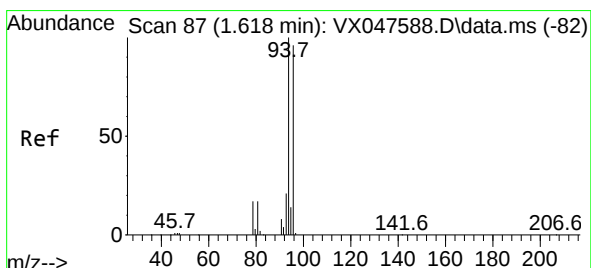
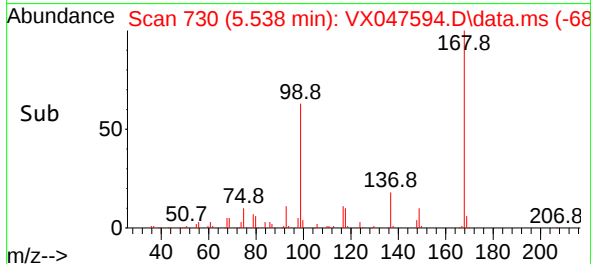
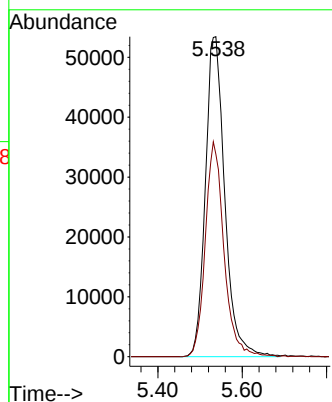
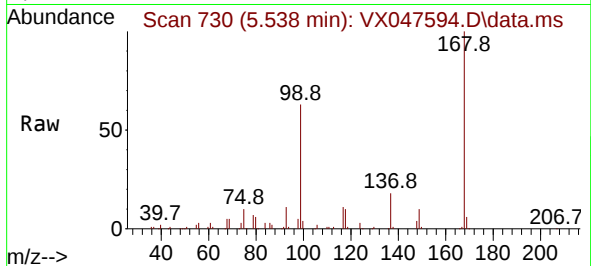




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

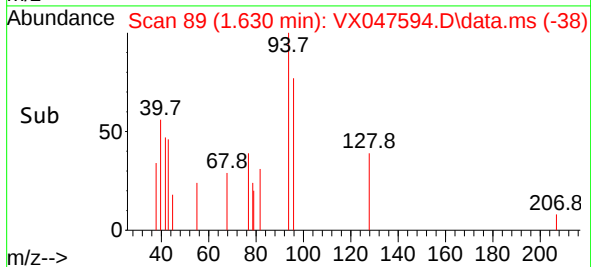
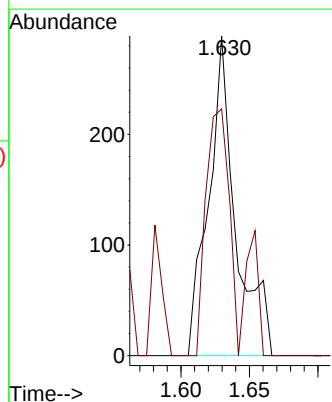
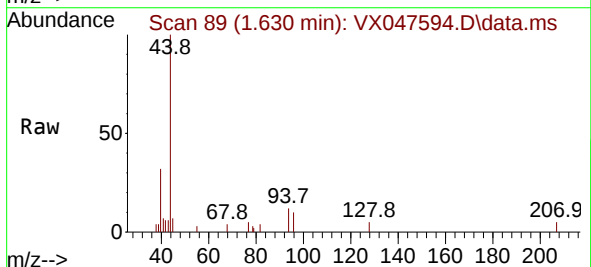
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

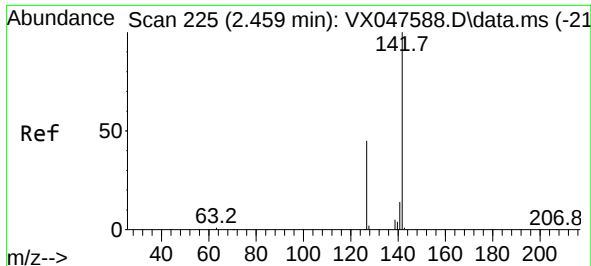
Tgt Ion:168 Resp: 170934
Ion Ratio Lower Upper
168 100
99 63.3 48.8 73.2



#5
Bromomethane
Concen: 0.275 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

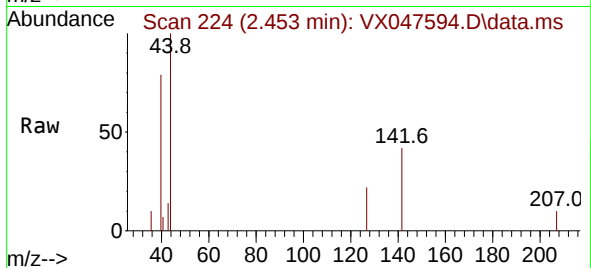
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 77.2 76.6 115.0



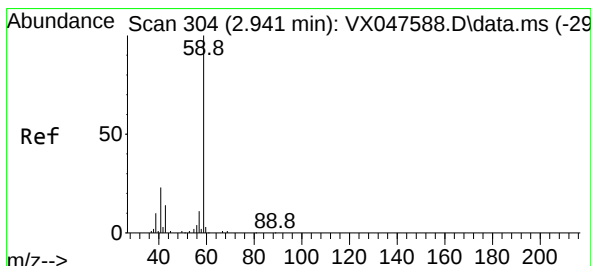
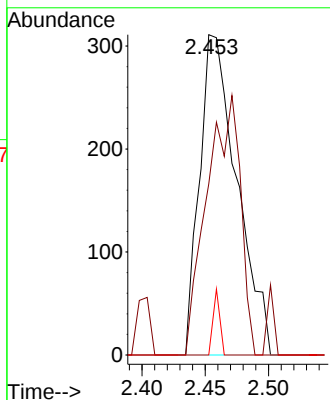
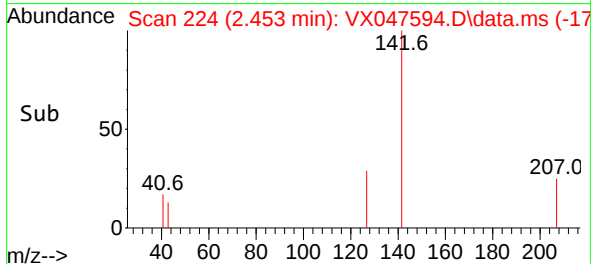


#10
Methyl Iodide
Concen: 0.207 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

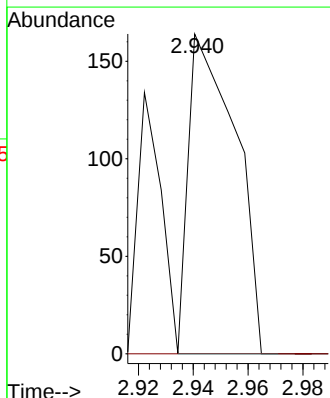
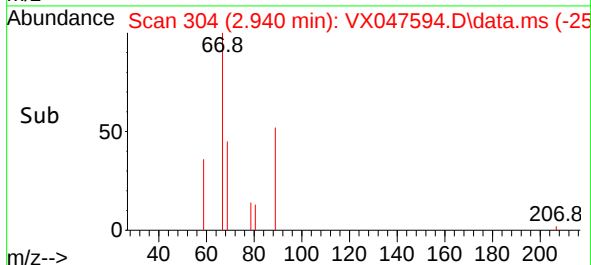
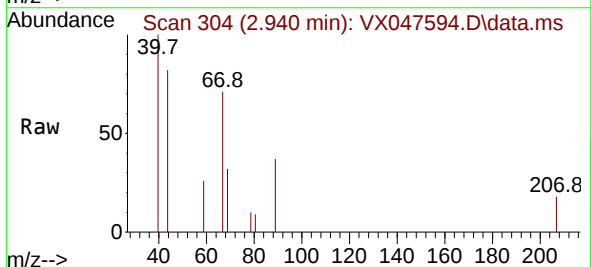


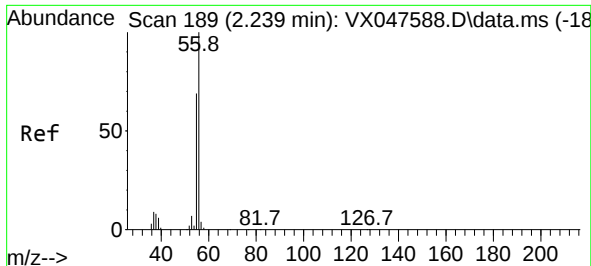
Tgt Ion:142 Resp: 639
Ion Ratio Lower Upper
142 100
127 72.6 37.2 55.8#
141 3.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

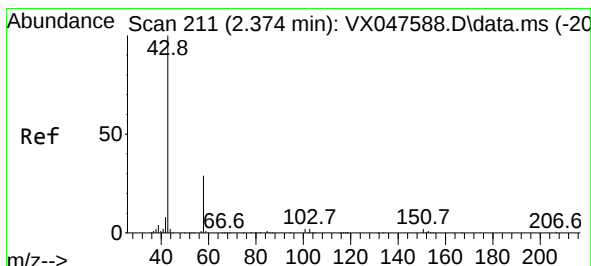
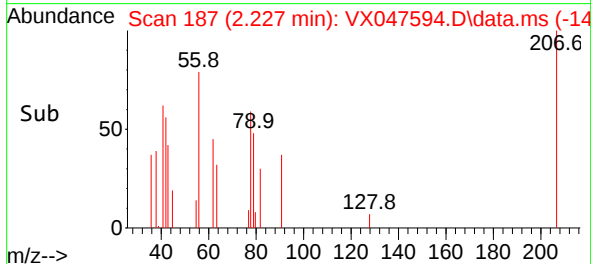
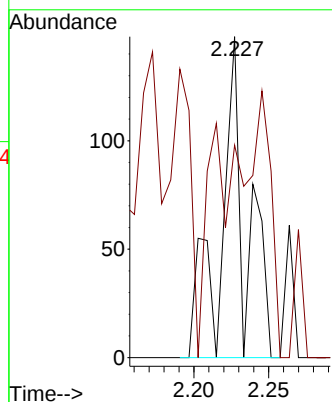
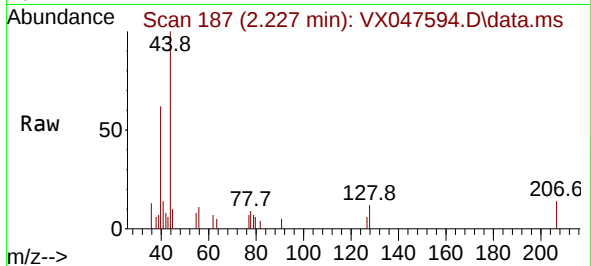




#13
Acrolein
Concen: 0.623 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

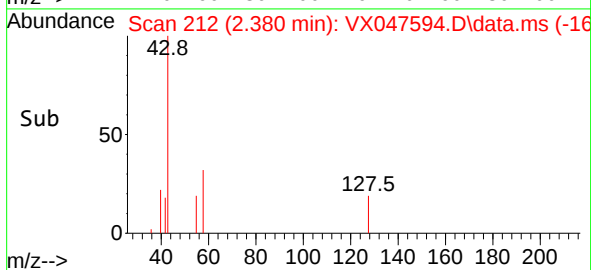
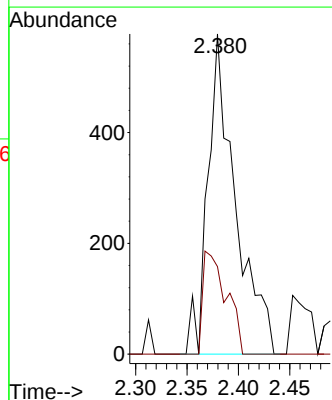
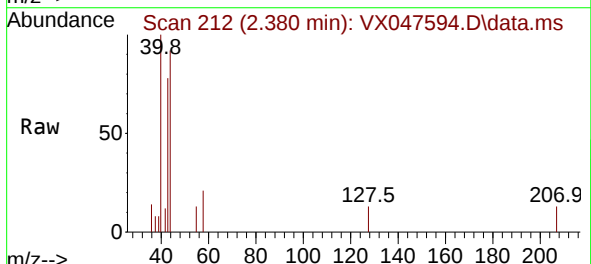
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

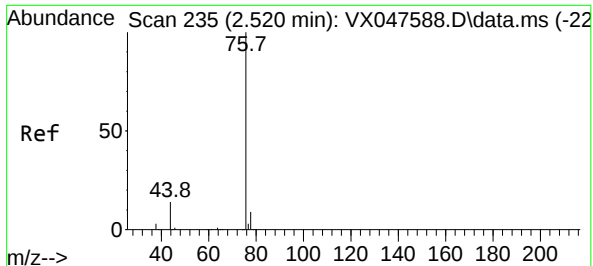
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 53.4 57.2 85.8#



#16
Acetone
Concen: 0.918 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

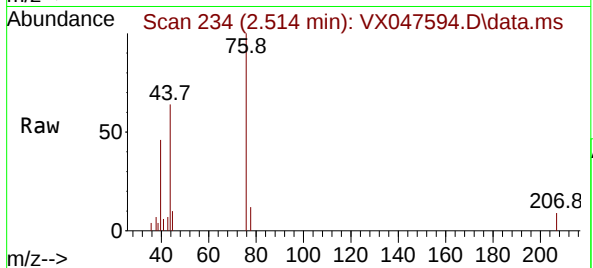
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 27.3 23.4 35.0



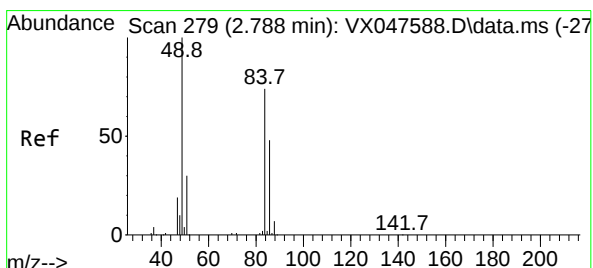
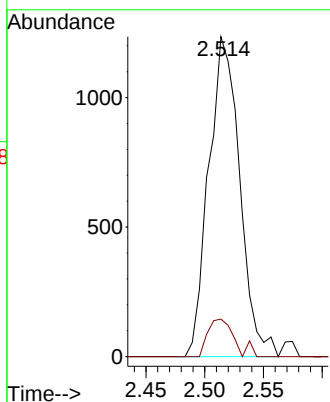
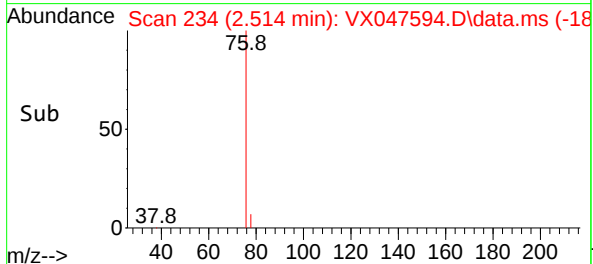


#17
Carbon Disulfide
Concen: 0.408 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

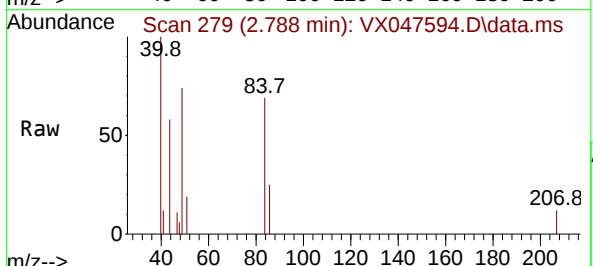
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01



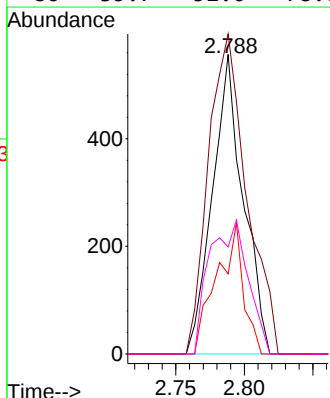
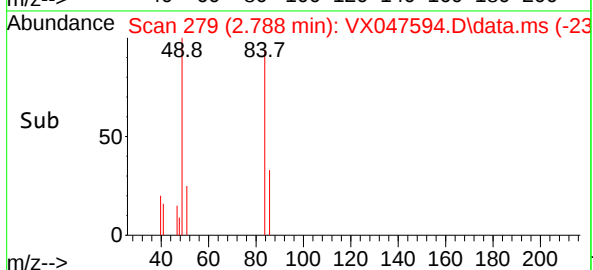
Tgt Ion: 76 Resp: 2270
Ion Ratio Lower Upper
76 100
78 11.7 6.8 10.2#

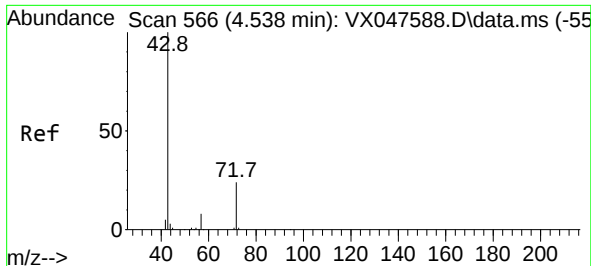


#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53



Tgt Ion: 84 Resp: 870
Ion Ratio Lower Upper
84 100
49 106.8 108.6 162.8#
51 26.8 32.6 48.8#
86 35.7 52.0 78.0#

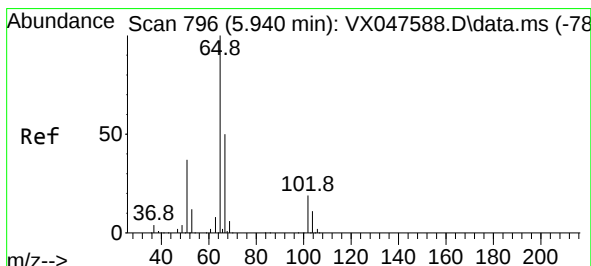
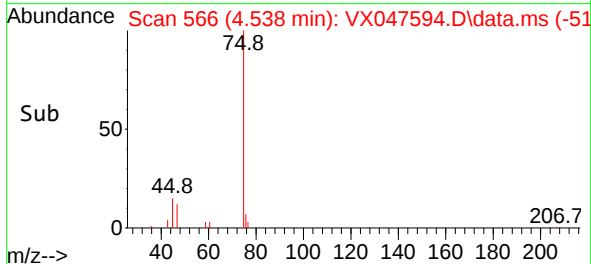
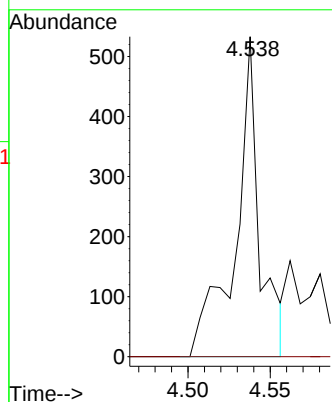
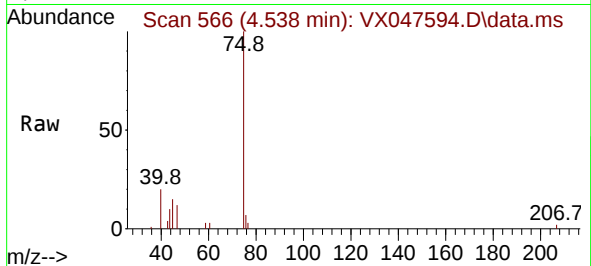




#25
2-Butanone
Concen: 0.366 ug/l
RT: 4.538 min Scan# 501
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

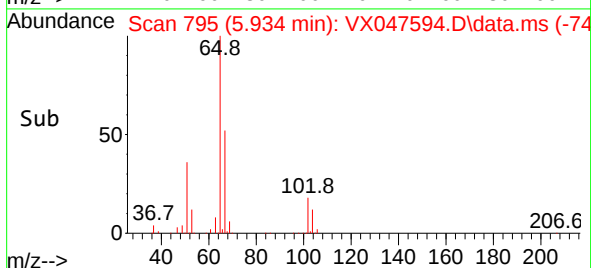
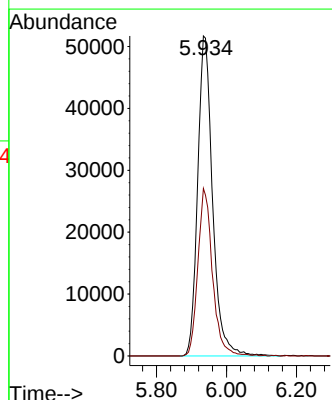
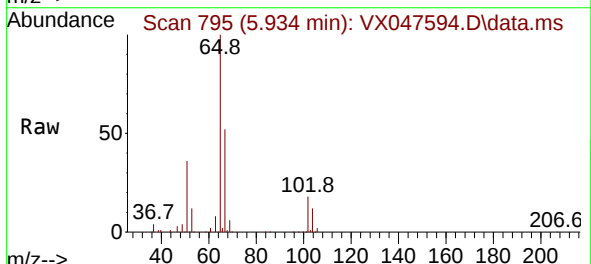
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

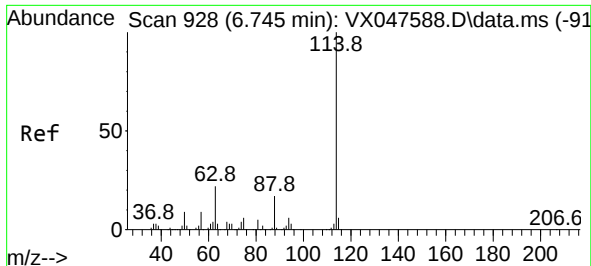
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#33
1,2-Dichloroethane-d4
Concen: 56.191 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

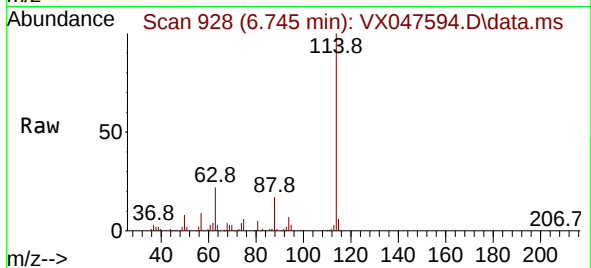
Tgt Ion: 65 Resp: 152887
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



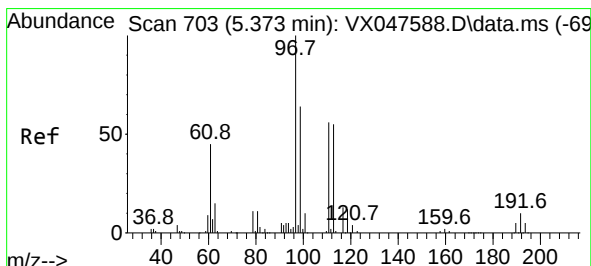
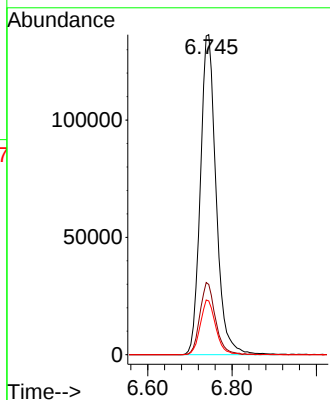
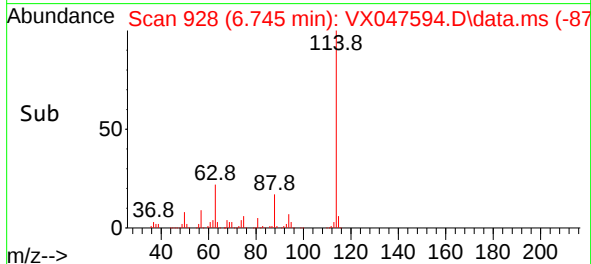


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

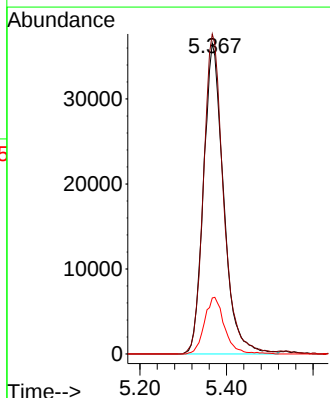
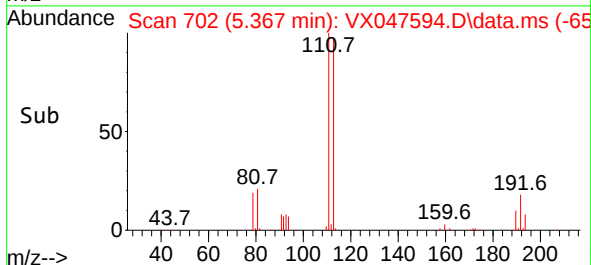
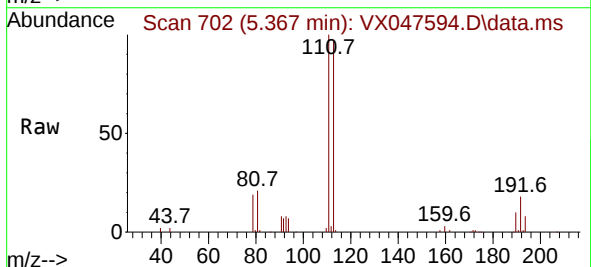


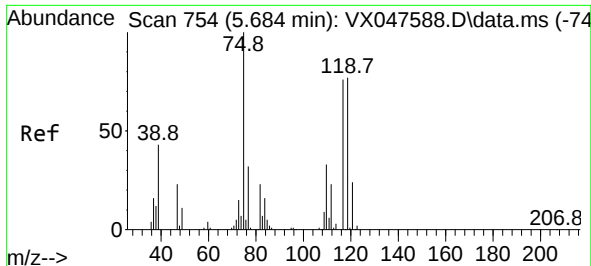
Tgt Ion:114 Resp: 354724
Ion Ratio Lower Upper
114 100
63 25.2 0.0 44.0
88 16.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.458 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion:113 Resp: 117659
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 18.3 14.2 21.4

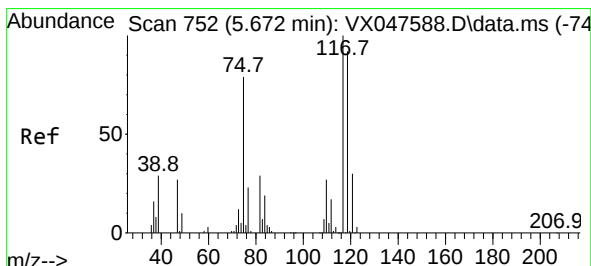
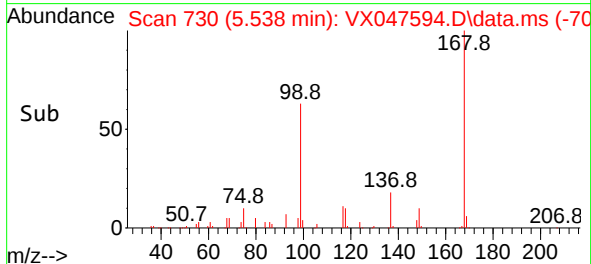
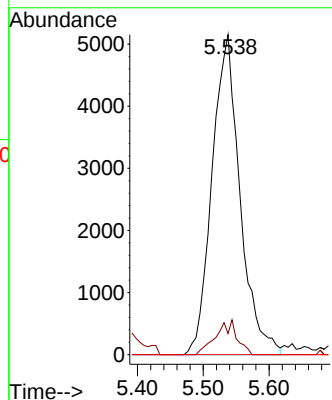
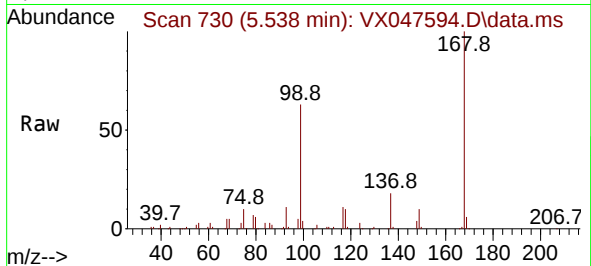




#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 5.538 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

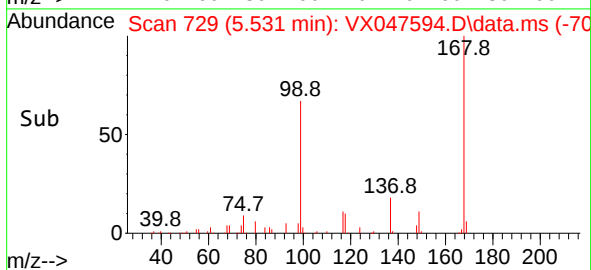
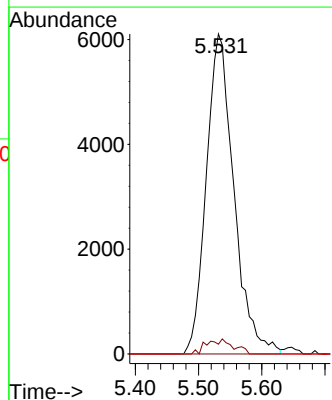
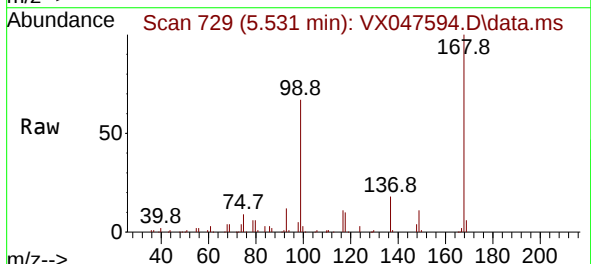
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

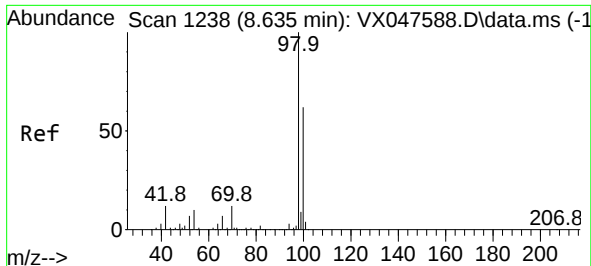
Tgt Ion: 75 Resp: 15240
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.140 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion: 117 Resp: 18501
Ion Ratio Lower Upper
117 100
119 3.0 73.4 110.2#
121 0.0 23.8 35.6#

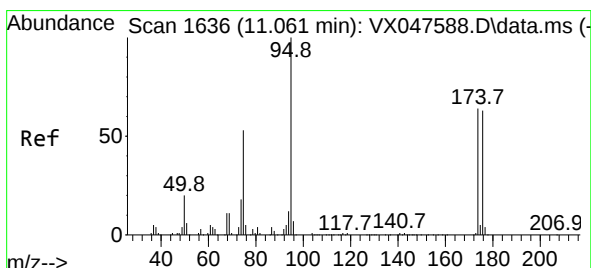
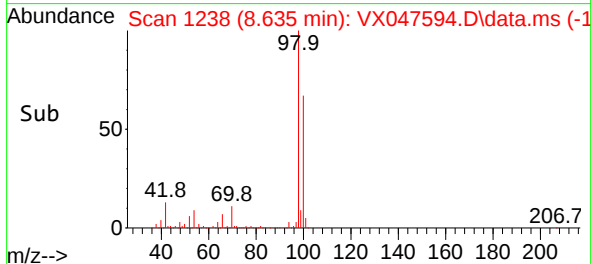
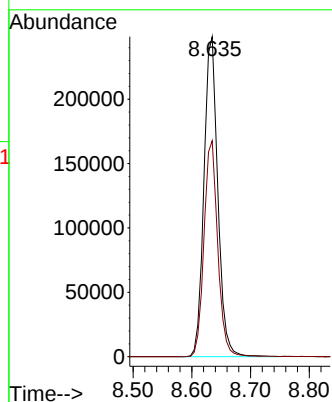
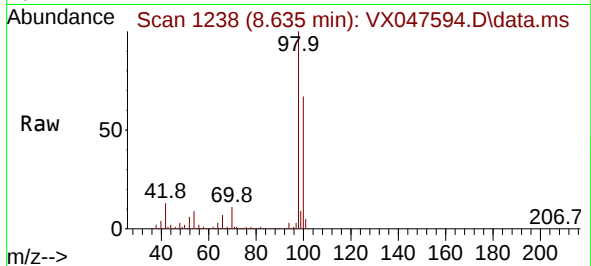




#50
Toluene-d8
Concen: 49.583 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

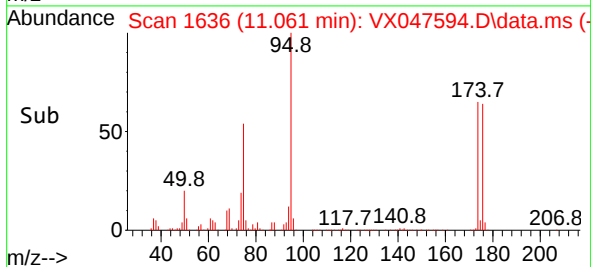
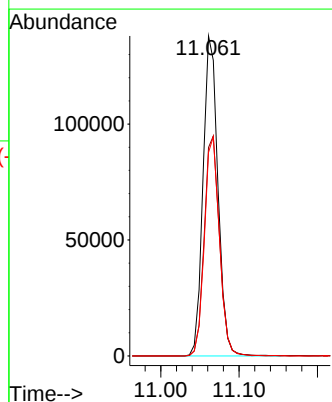
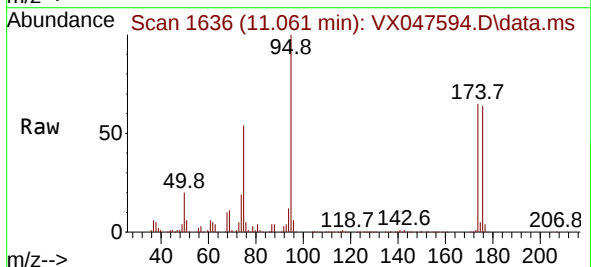
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

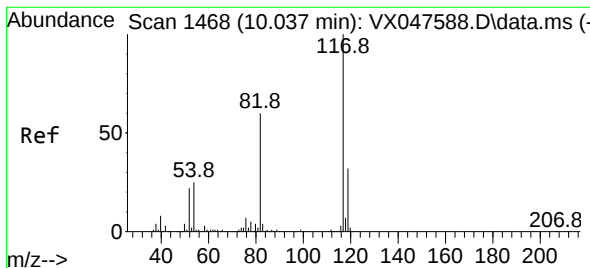
Tgt Ion: 98 Resp: 408157
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 58.255 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion: 95 Resp: 181994
Ion Ratio Lower Upper
95 100
174 70.1 0.0 141.6
176 68.9 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: VX047594.D

Acq: 16 Sep 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBL01

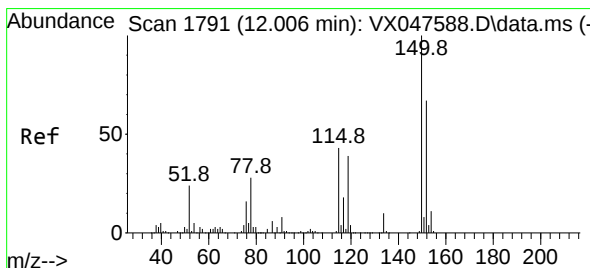
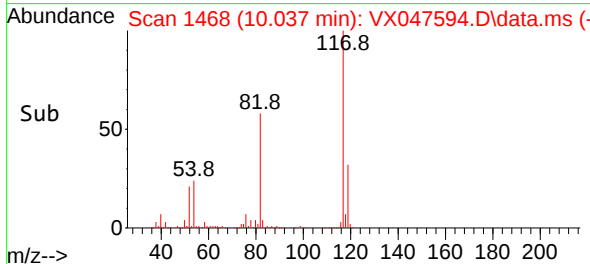
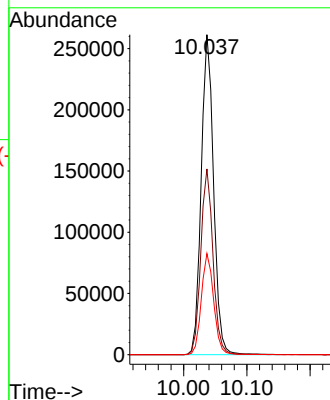
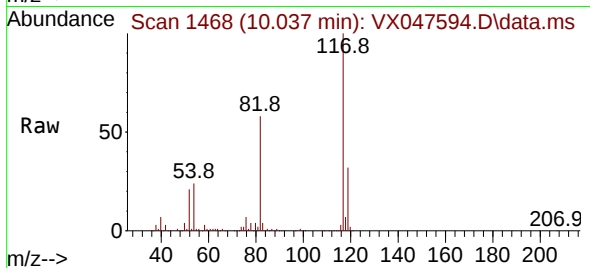
Tgt Ion:117 Resp: 356396

Ion Ratio Lower Upper

117 100

82 58.1 47.8 71.6

119 31.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047594.D

Acq: 16 Sep 2025 14:53

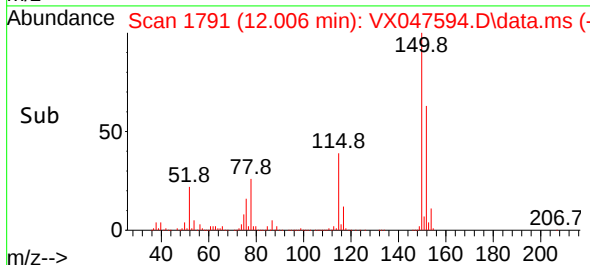
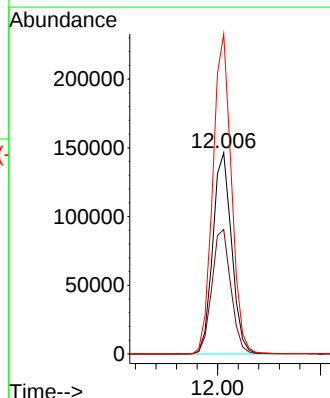
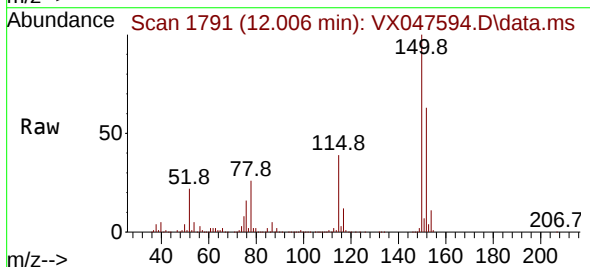
Tgt Ion:152 Resp: 185546

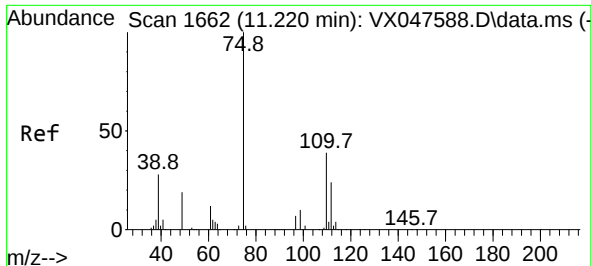
Ion Ratio Lower Upper

152 100

115 62.9 44.9 134.5

150 157.3 0.0 352.0

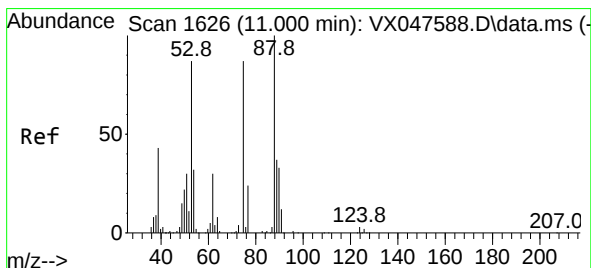
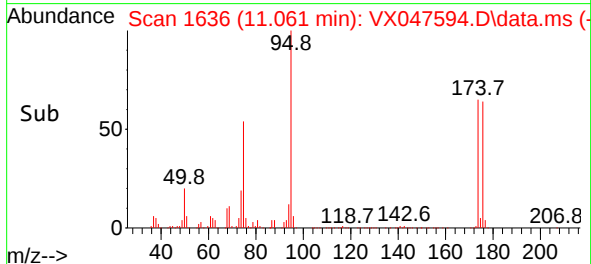
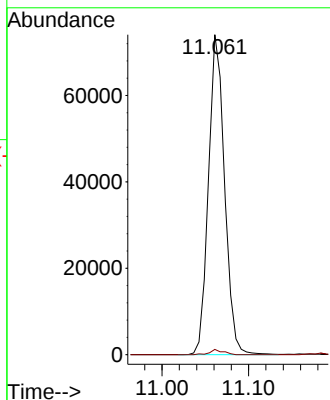
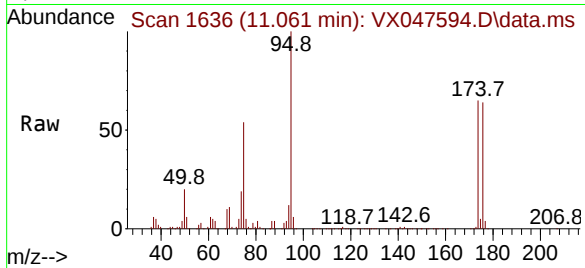




#76
1,2,3-Trichloropropane
Concen: 25.486 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

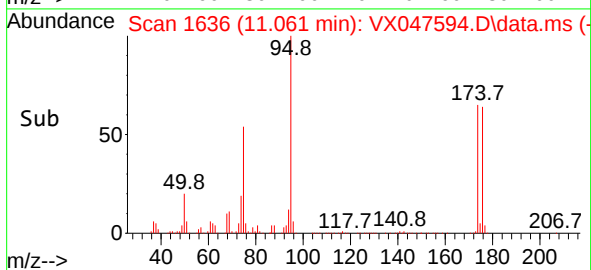
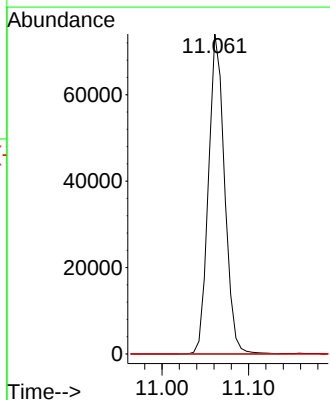
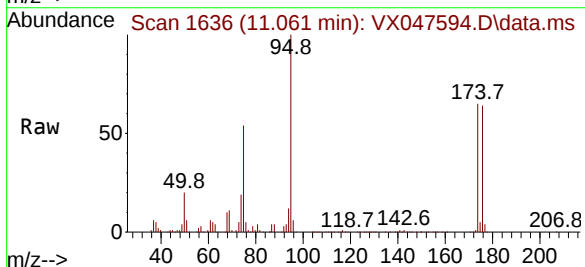
Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

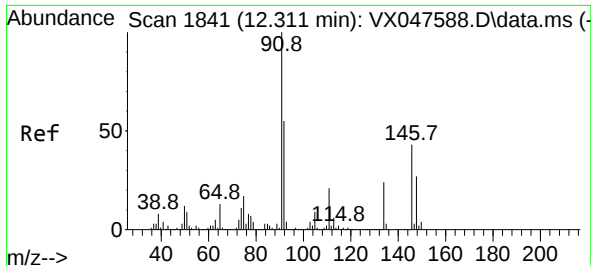
Tgt Ion: 75 Resp: 95745
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.994 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion: 75 Resp: 95745
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.286 ug/l

RT: 12.317 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047594.D

Acq: 16 Sep 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0916WBL01

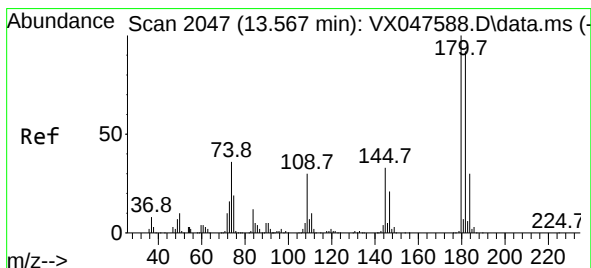
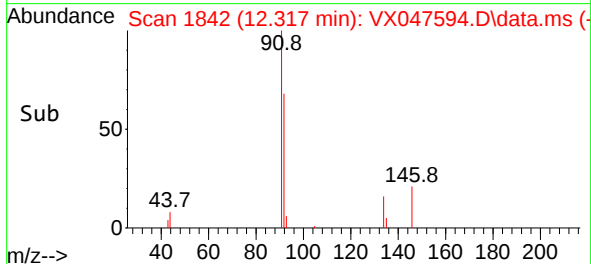
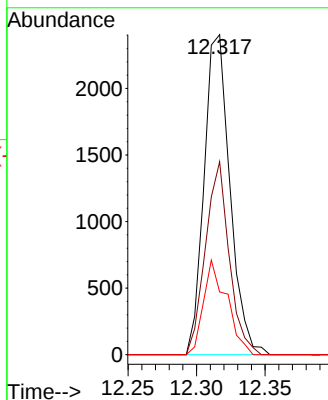
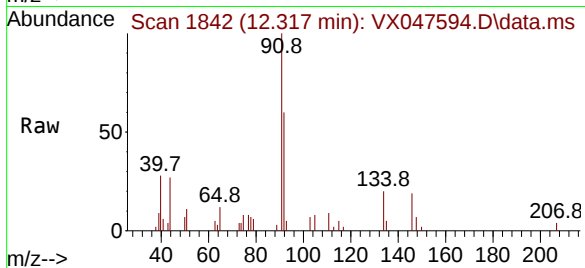
Tgt Ion: 91 Resp: 3156

Ion Ratio Lower Upper

91 100

92 55.4 27.6 82.7

134 26.6 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.354 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX047594.D

Acq: 16 Sep 2025 14:53

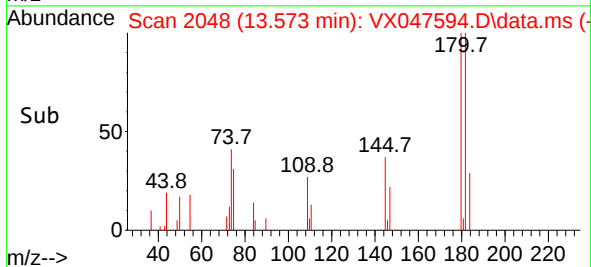
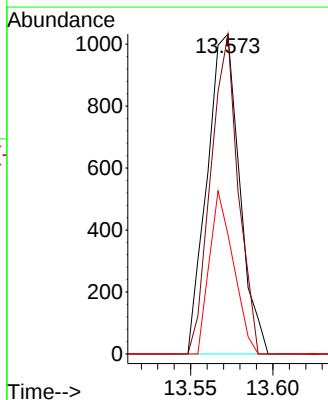
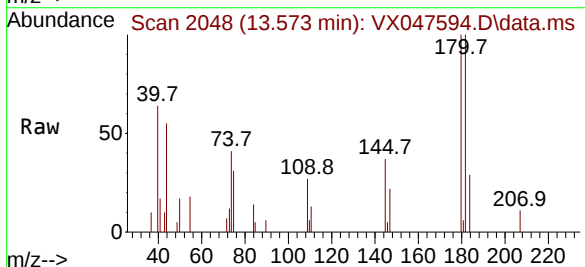
Tgt Ion: 180 Resp: 1416

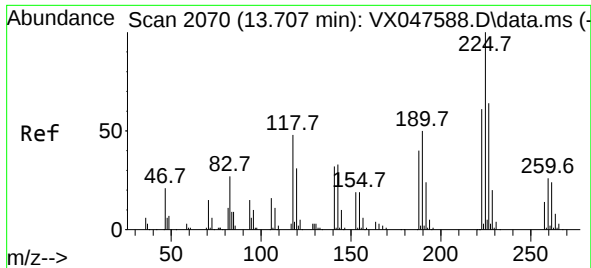
Ion Ratio Lower Upper

180 100

182 84.5 46.6 139.8

145 37.5 16.4 49.1

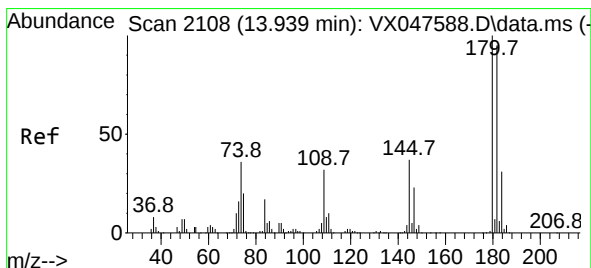
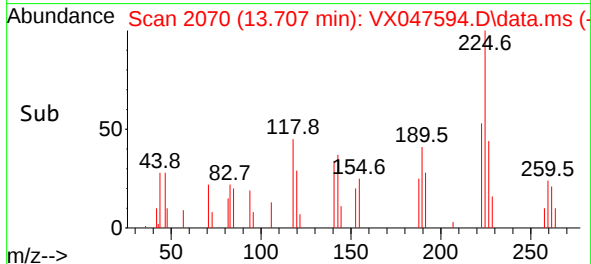
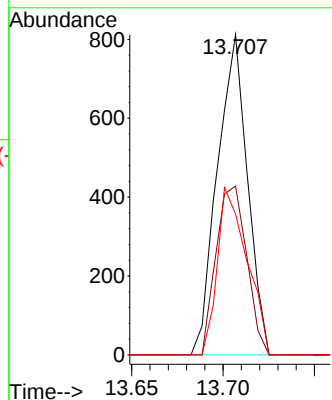
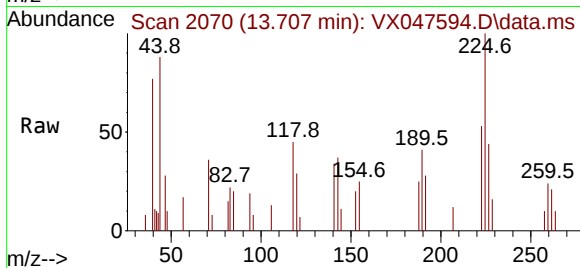




#94
Hexachlorobutadiene
Concen: 0.685 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0916WBL01

Tgt Ion:	225	Resp:	930
Ion Ratio	Lower	Upper	
225	100		
223	53.5	31.7	95.1
227	51.3	32.0	96.0



#96
1,2,3-Trichlorobenzene
Concen: 0.257 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047594.D
Acq: 16 Sep 2025 14:53

Tgt Ion:	180	Resp:	954
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.6	142.8
145	36.5	17.9	53.7

