

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048876.D
 Acq On : 15 Dec 2025 14:20
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 00:16:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

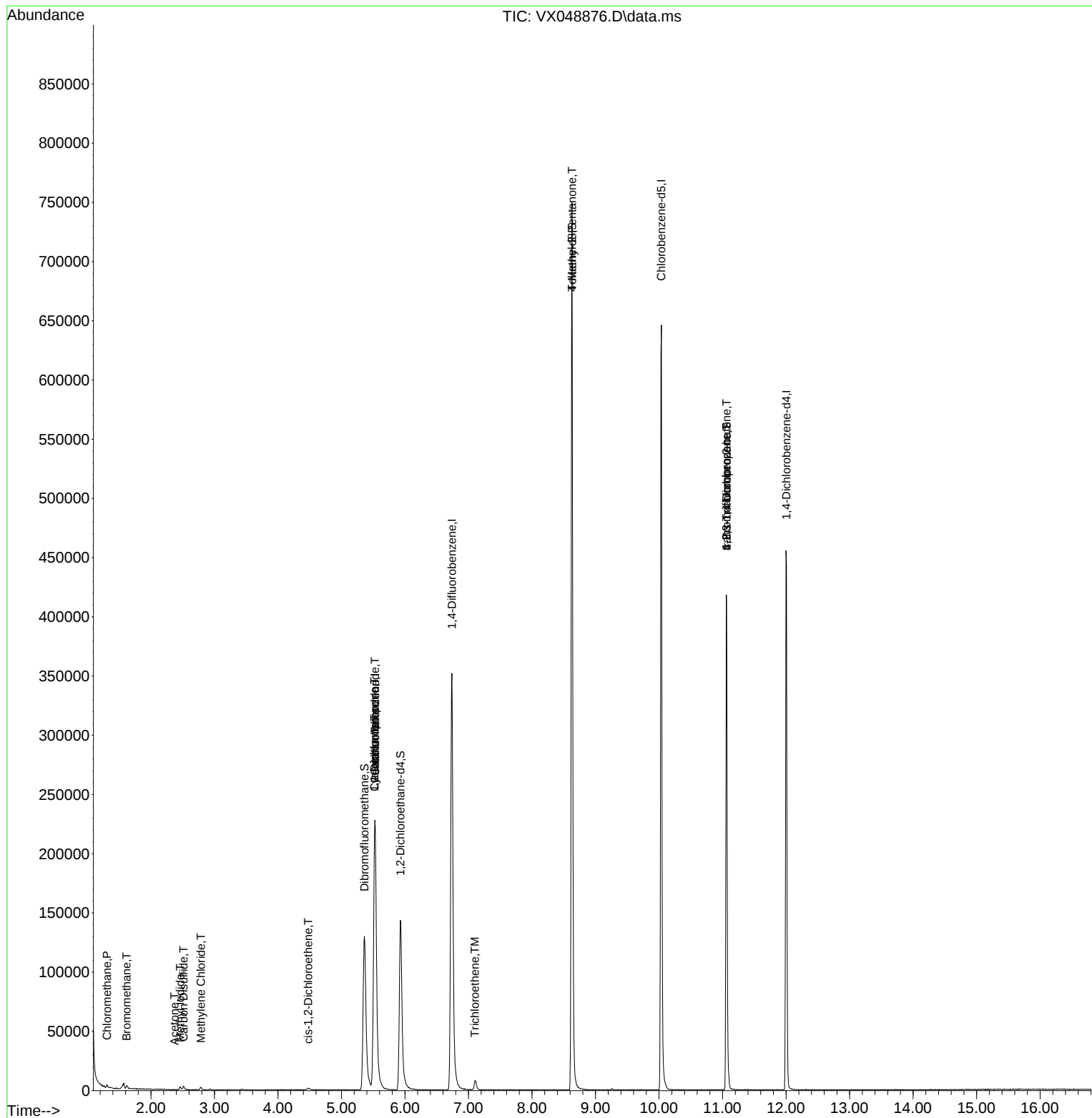
Internal Standards						
1) Pentafluorobenzene	5.531	168	242930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	404046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	313236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	157836	48.408	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.820%
35) Dibromofluoromethane	5.361	113	132097	47.483	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	8.628	98	471521	48.352	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.700%
62) 4-Bromofluorobenzene	11.061	95	118033	35.100	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	70.200%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	1911	0.612	ug/l	96
5) Bromomethane	1.618	94	1626	0.791	ug/l	88
10) Methyl Iodide	2.459	142	3501	0.890	ug/l	93
16) Acetone	2.367	43	619	0.496	ug/l #	43
17) Carbon Disulfide	2.514	76	4121	0.503	ug/l #	93
20) Methylene Chloride	2.788	84	1085	0.348	ug/l #	90
27) cis-1,2-Dichloroethene	4.477	96	1218	0.375	ug/l	98
31) Cyclohexane	5.519	56	5387	1.222	ug/l #	5
36) 1,1-Dichloropropene	5.519	75	19412	5.094	ug/l #	48
38) Carbon Tetrachloride	5.525	117	25509	5.910	ug/l #	14
44) Trichloroethene	7.098	130	3752	1.273	ug/l	93
51) 4-Methyl-2-Pentanone	8.628	43	2176	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	60775	31.191	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	60775	74.091	ug/l #	3
95) Naphthalene	13.768	128	91	Below Cal	#	69

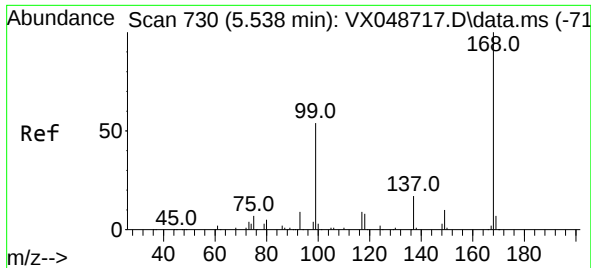
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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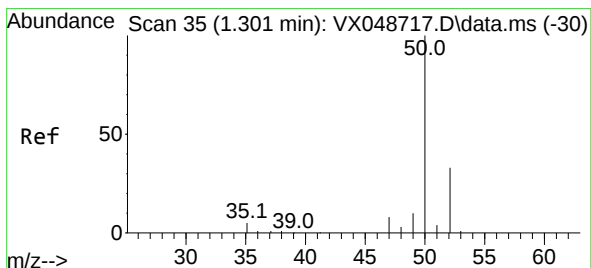
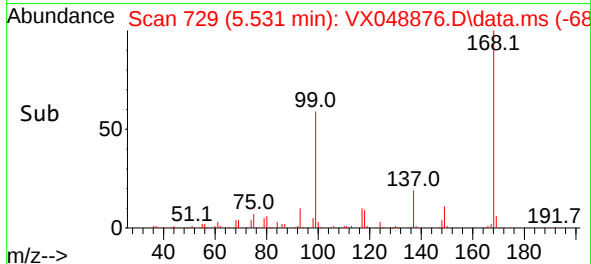
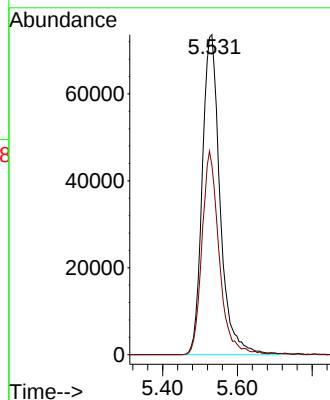
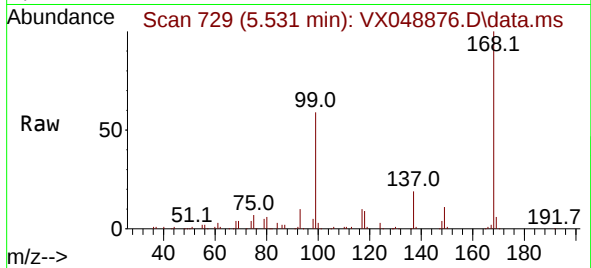




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

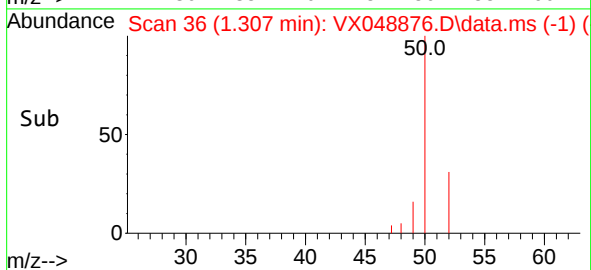
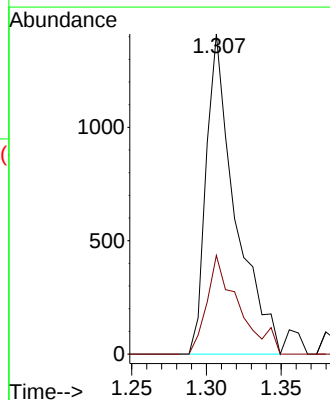
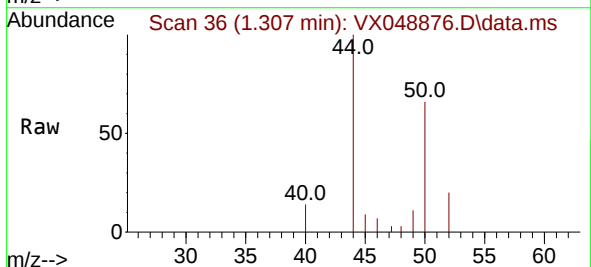
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

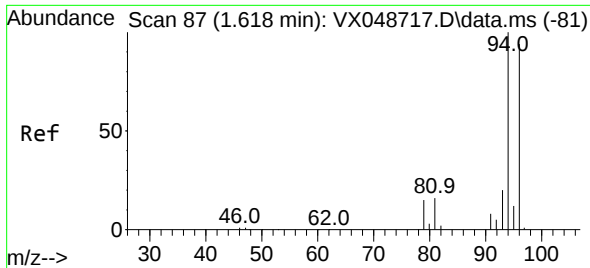
Tgt Ion:168 Resp: 242930
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#3
Chloromethane
Concen: 0.612 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 50 Resp: 1911
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6

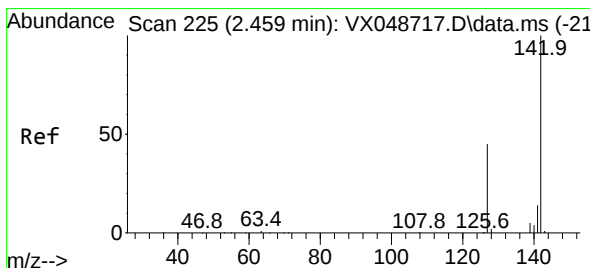
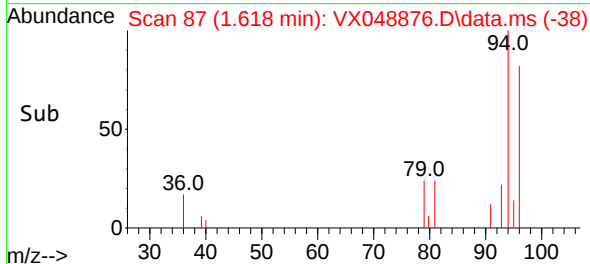
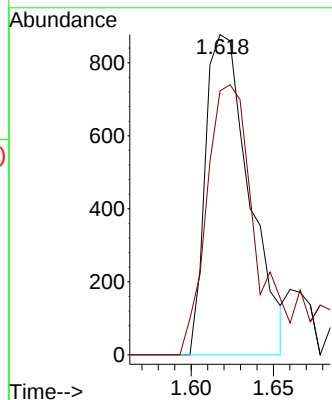
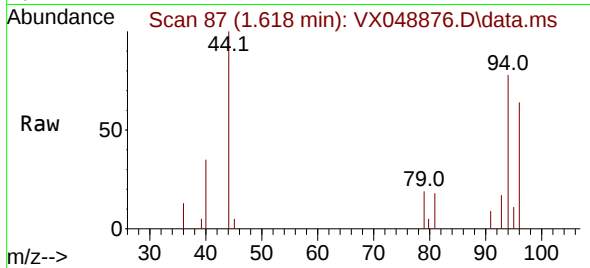




#5
Bromomethane
Concen: 0.791 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

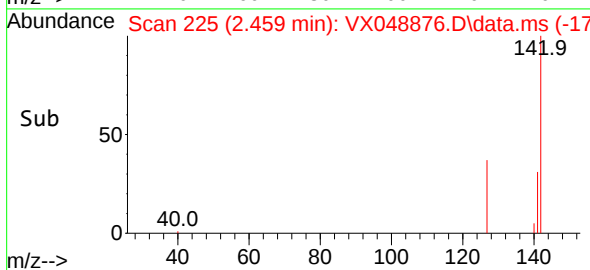
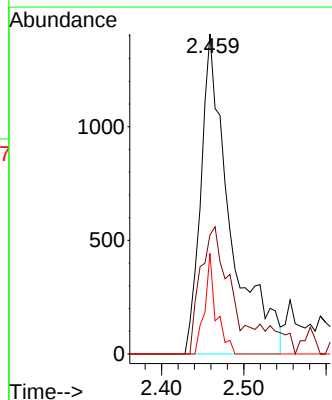
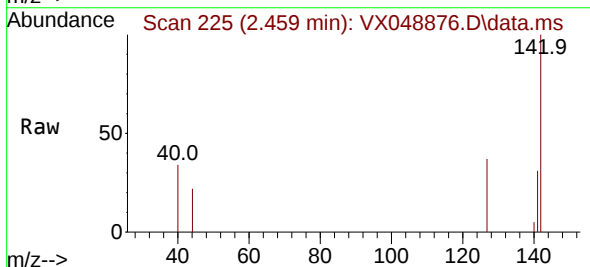
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

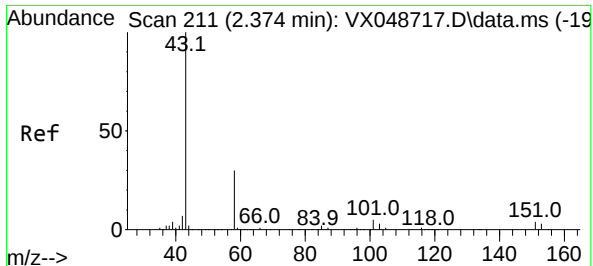
Tgt Ion: 94 Resp: 1626
Ion Ratio Lower Upper
94 100
96 82.4 75.2 112.8



#10
Methyl Iodide
Concen: 0.890 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 142 Resp: 3501
Ion Ratio Lower Upper
142 100
127 39.2 35.8 53.6
141 12.3 11.1 16.7

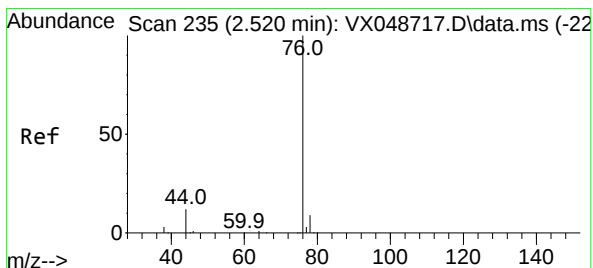
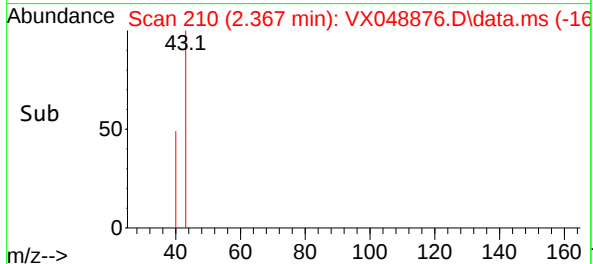
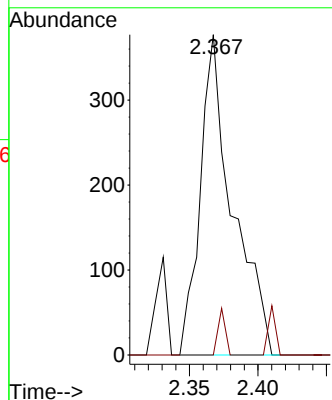
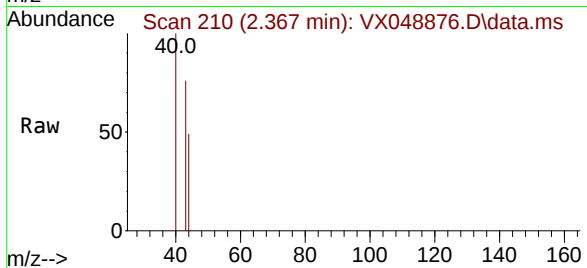




#16
Acetone
Concen: 0.496 ug/l
RT: 2.367 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

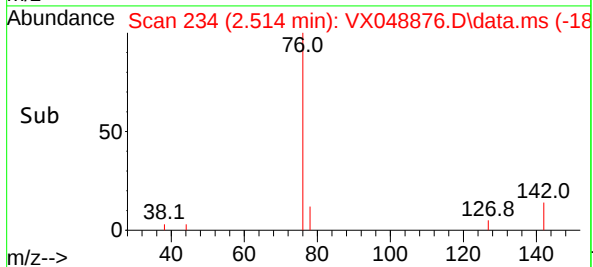
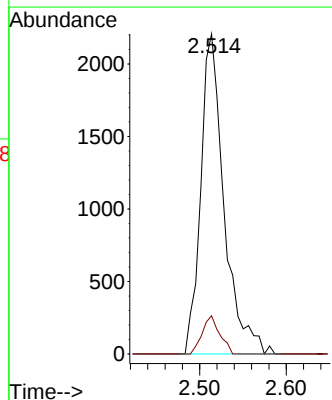
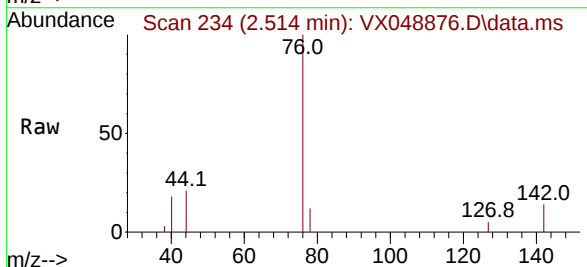
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

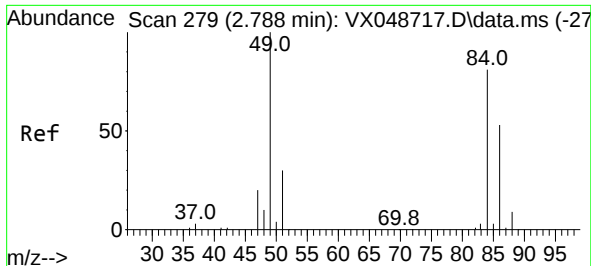
Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#



#17
Carbon Disulfide
Concen: 0.503 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 76 Resp: 4121
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.2#

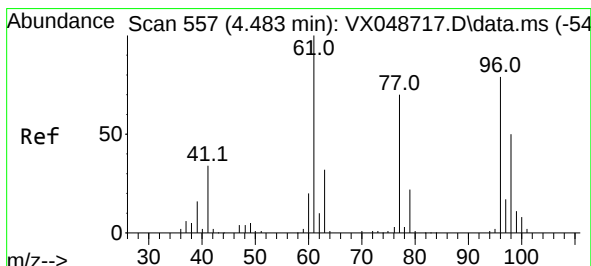
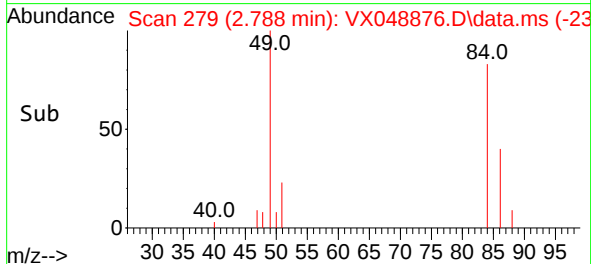
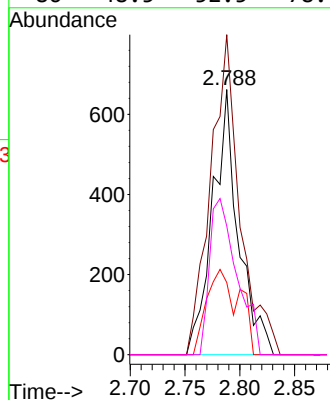
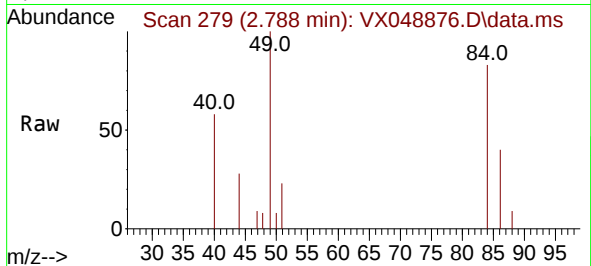




#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

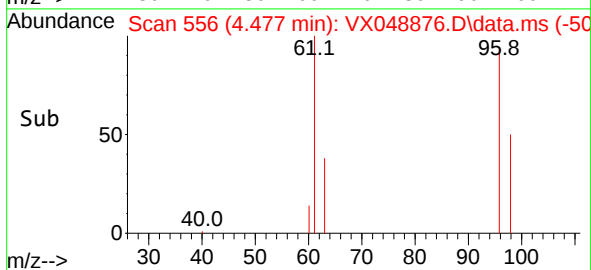
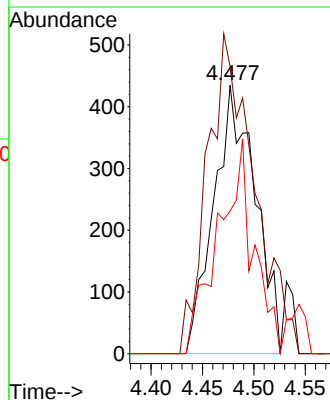
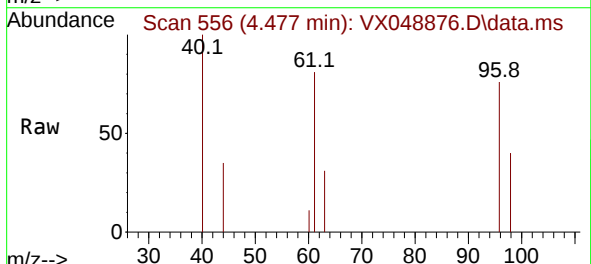
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

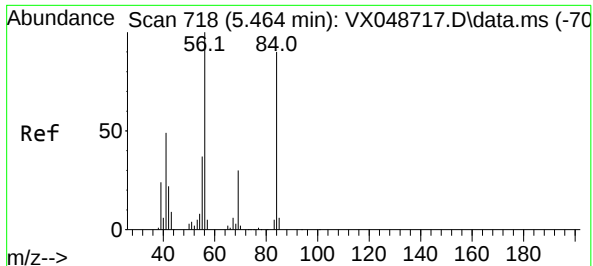
Tgt Ion:	84	Resp:	1085
Ion	Ratio	Lower	Upper
84	100		
49	120.7	98.7	148.1
51	27.2	29.4	44.2#
86	48.5	52.5	78.7#



#27
cis-1,2-Dichloroethene
Concen: 0.375 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion:	96	Resp:	1218
Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	271.0
98	68.0	0.0	130.2

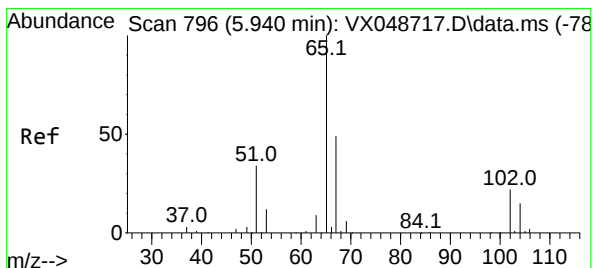
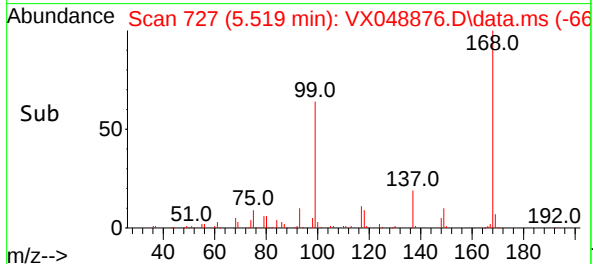
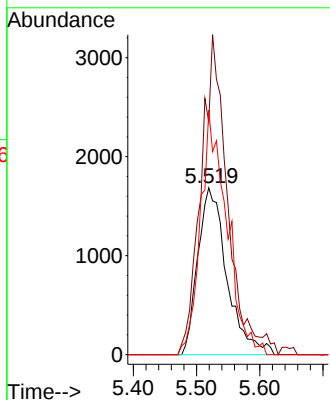
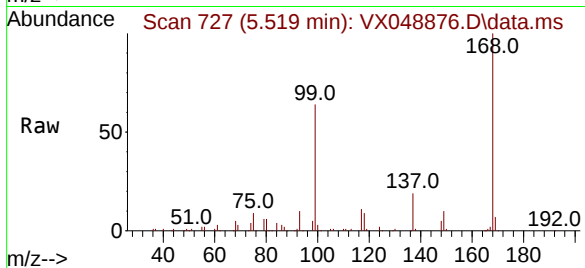




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.519 min Scan# 718
Delta R.T. 0.055 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

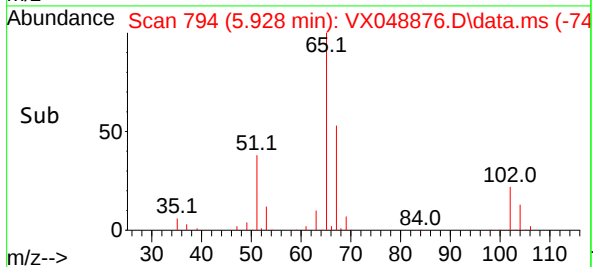
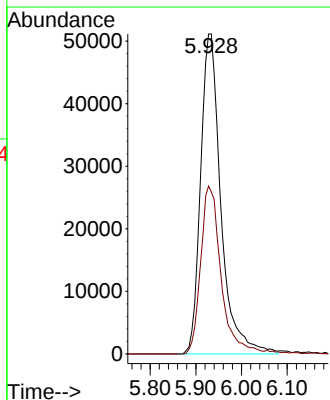
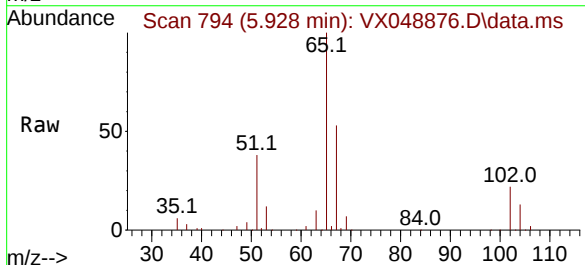
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VIBLK

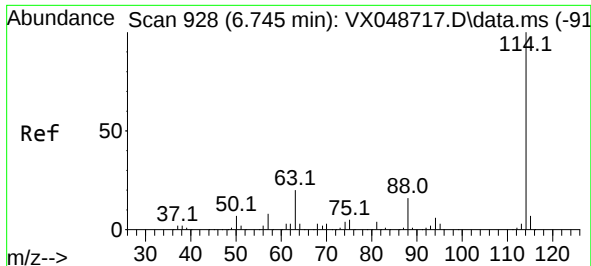
Tgt Ion: 56 Resp: 5387
Ion Ratio Lower Upper
56 100
69 139.5 24.2 36.2#
84 146.5 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 48.408 ug/l
RT: 5.928 min Scan# 794
Delta R.T. -0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 65 Resp: 157836
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

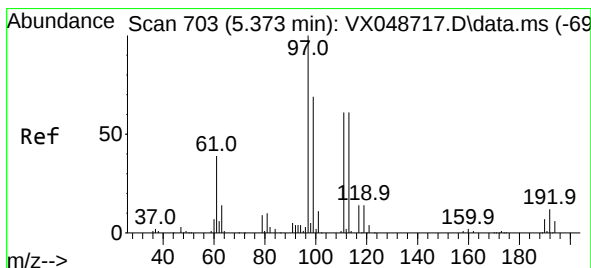
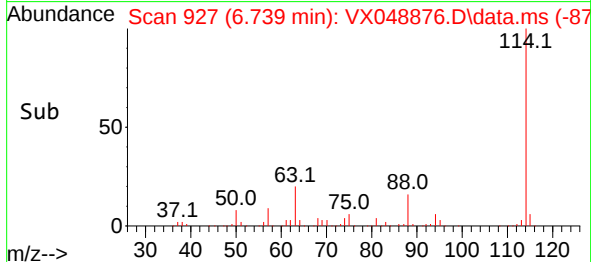
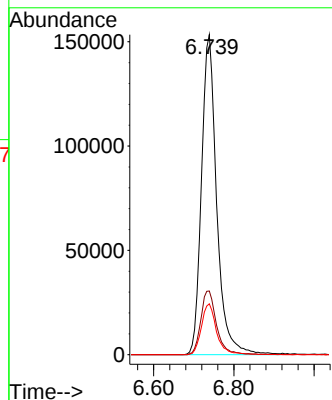
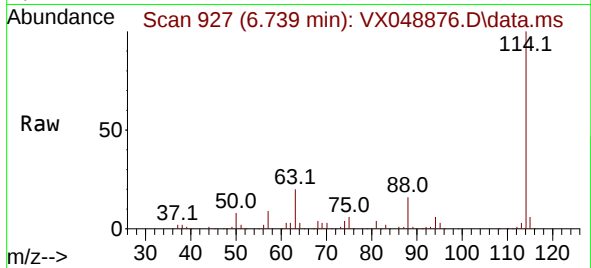




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

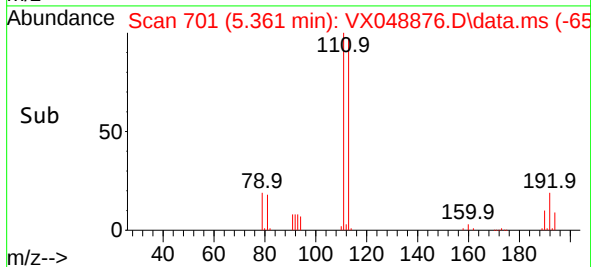
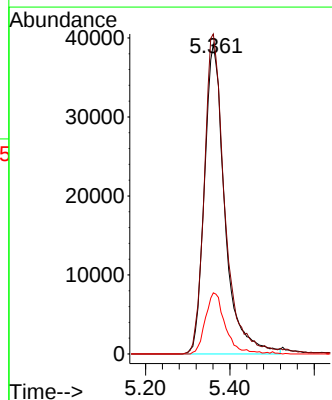
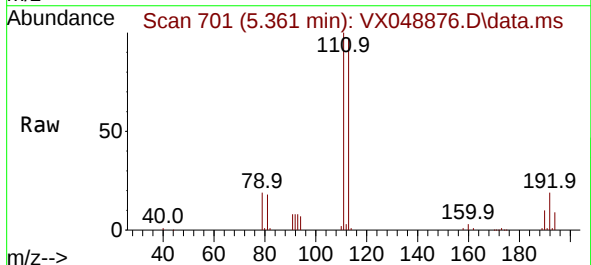
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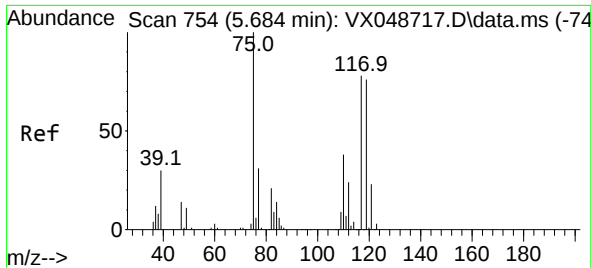
Tgt Ion:114 Resp: 404046
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.0
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.483 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion:113 Resp: 132097
Ion Ratio Lower Upper
113 100
111 103.4 79.5 119.3
192 19.3 16.1 24.1

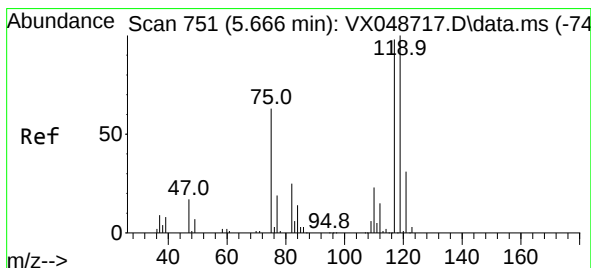
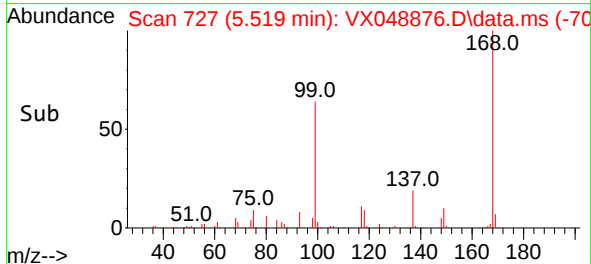
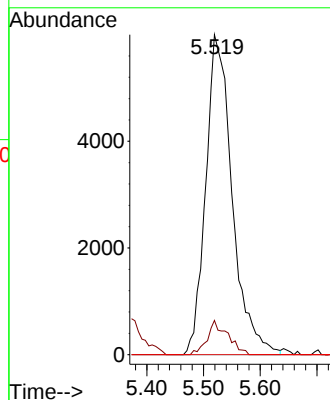
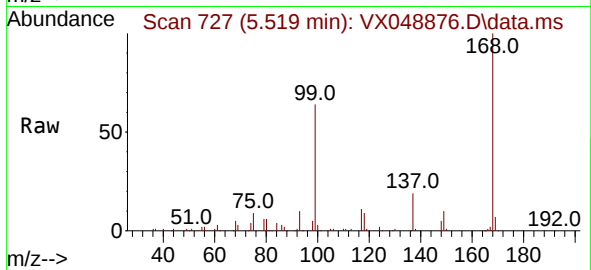




#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.519 min Scan# 711
Delta R.T. -0.165 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

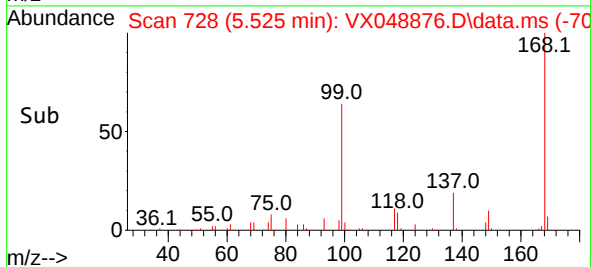
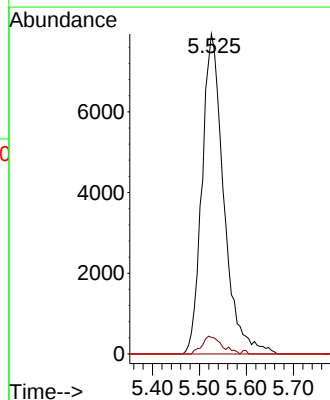
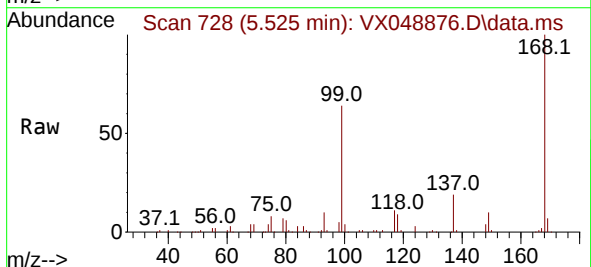
Instrument :
MSVOA_X
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VIBLK

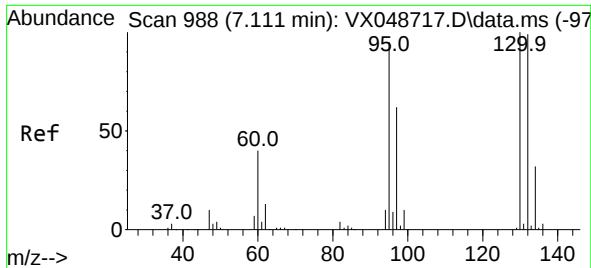
Tgt Ion: 75 Resp: 19412
Ion Ratio Lower Upper
75 100
110 8.3 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 5.525 min Scan# 728
Delta R.T. -0.140 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 117 Resp: 25509
Ion Ratio Lower Upper
117 100
119 5.2 80.5 120.7#
121 0.0 25.4 38.0#

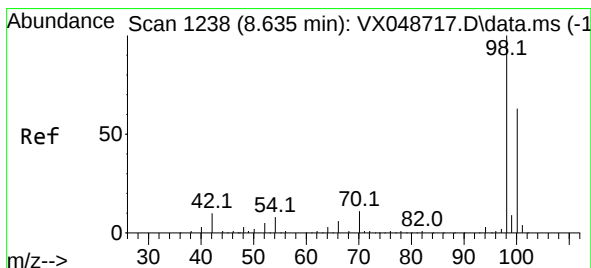
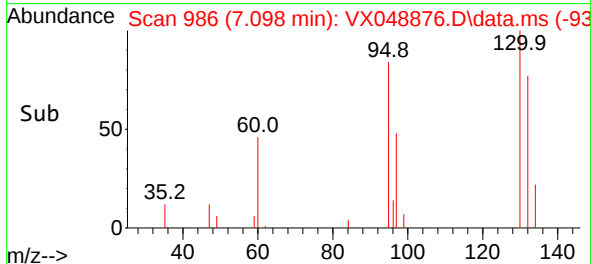
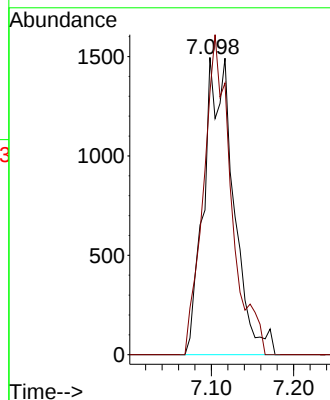
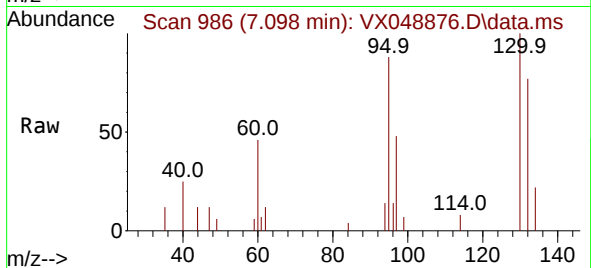




#44
Trichloroethene
Concen: 1.273 ug/l
RT: 7.098 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

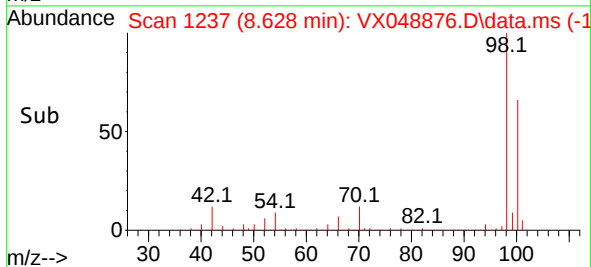
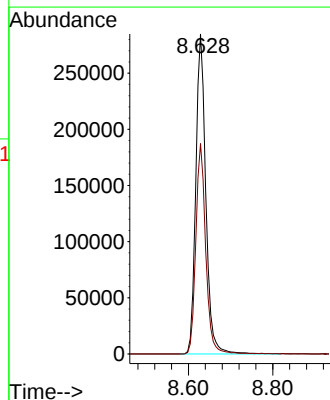
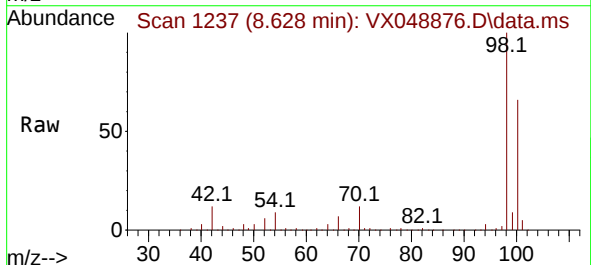
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

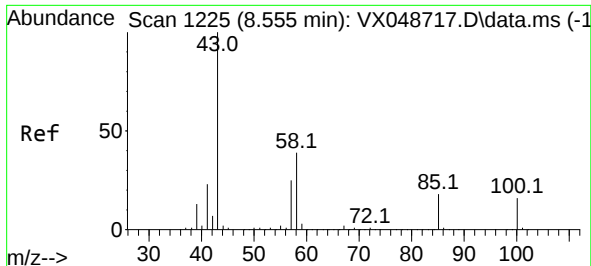
Tgt Ion:130 Resp: 3752
Ion Ratio Lower Upper
130 100
95 88.3 0.0 189.6



#50
Toluene-d8
Concen: 48.352 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 98 Resp: 471521
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.508 ug/l

RT: 8.628 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX048876.D

Acq: 15 Dec 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

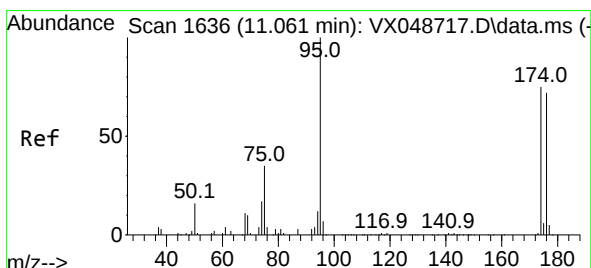
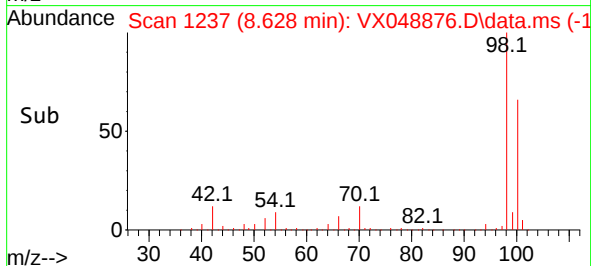
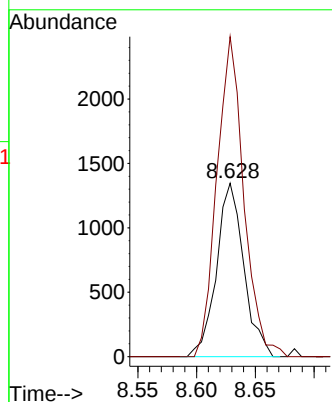
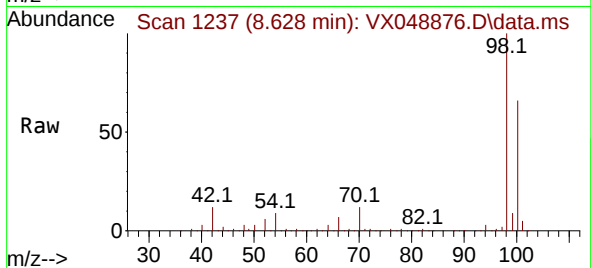
VIBLK

Tgt Ion: 43 Resp: 2176

Ion Ratio Lower Upper

43 100

58 181.6 32.2 48.4#



#62

4-Bromofluorobenzene

Concen: 35.100 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048876.D

Acq: 15 Dec 2025 14:20

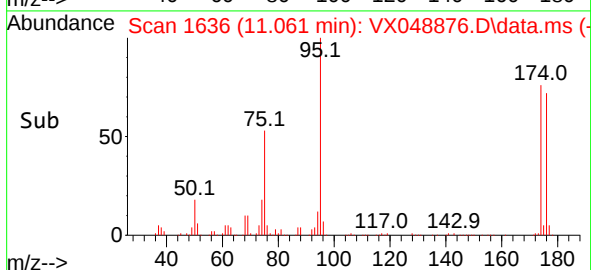
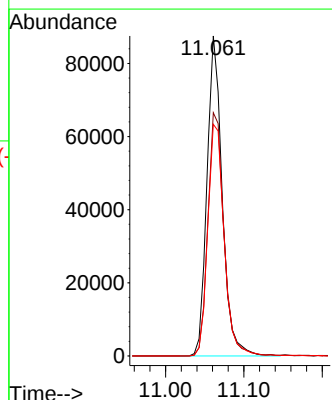
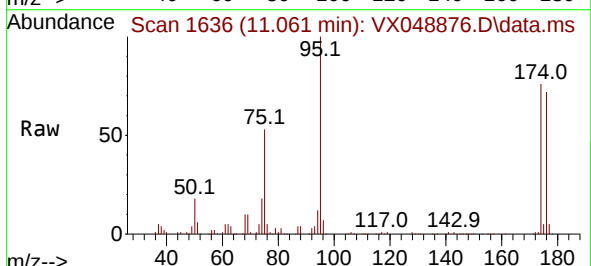
Tgt Ion: 95 Resp: 118033

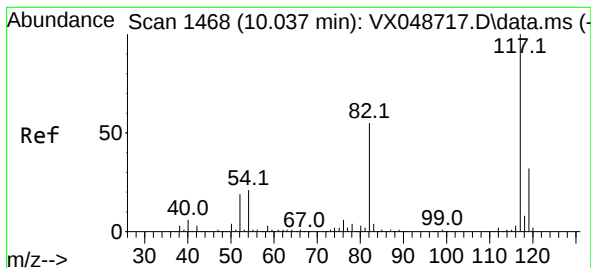
Ion Ratio Lower Upper

95 100

174 80.1 0.0 157.8

176 77.9 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048876.D

Acq: 15 Dec 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

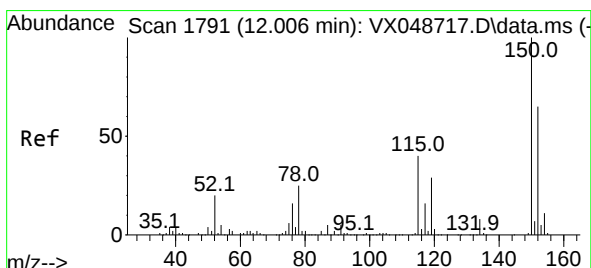
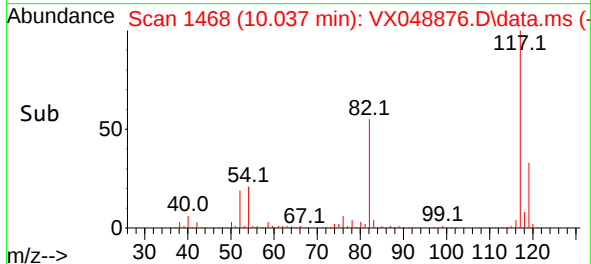
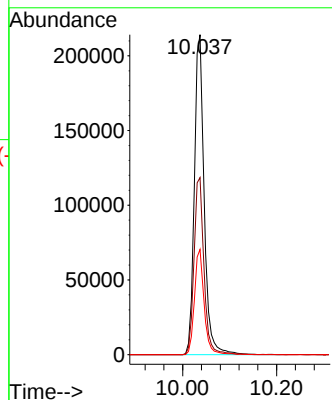
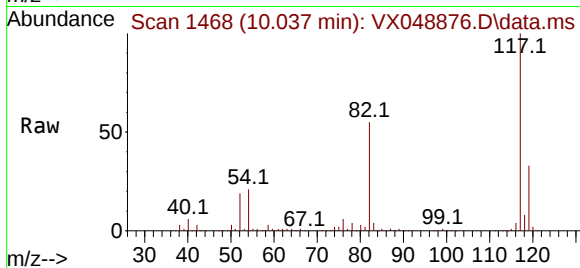
Tgt Ion:117 Resp: 313236

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

119 32.9 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: VX048876.D

Acq: 15 Dec 2025 14:20

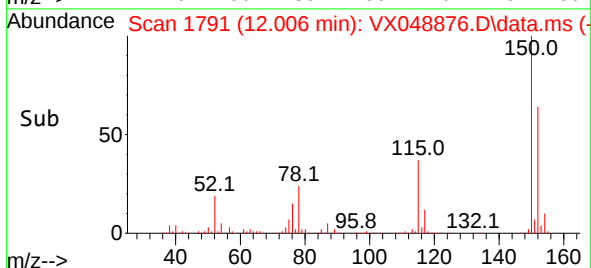
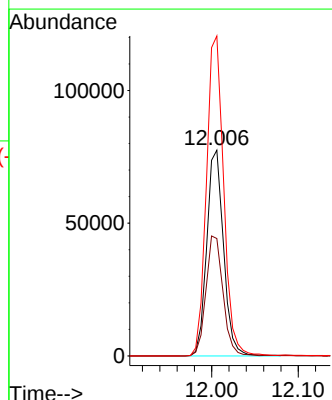
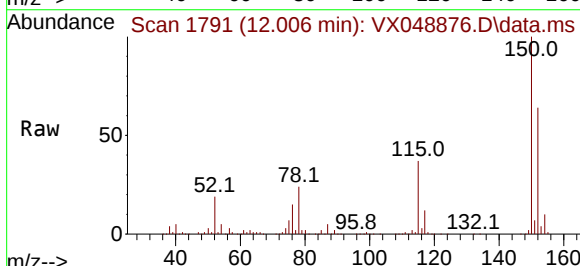
Tgt Ion:152 Resp: 104615

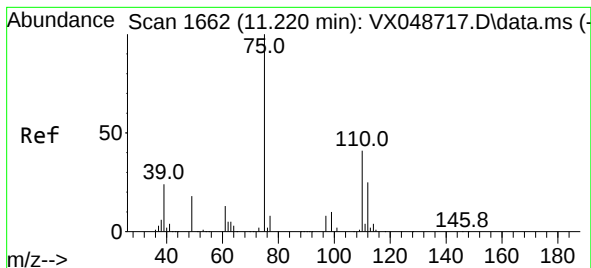
Ion Ratio Lower Upper

152 100

115 59.2 42.1 126.4

150 159.1 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 31.191 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048876.D

Acq: 15 Dec 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

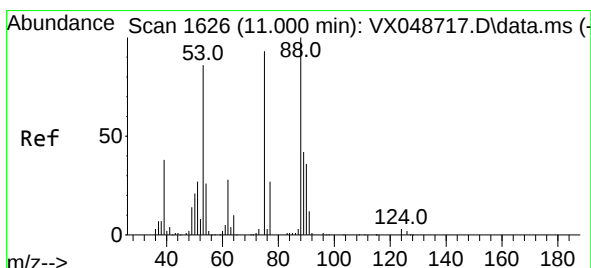
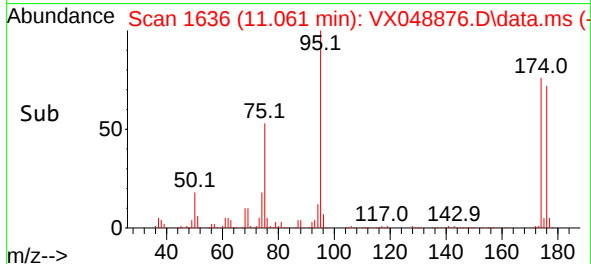
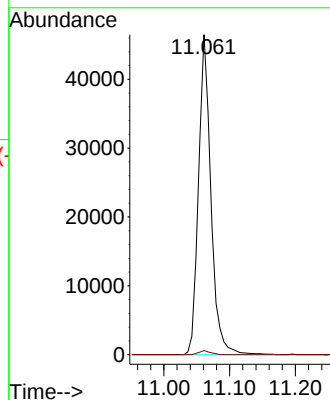
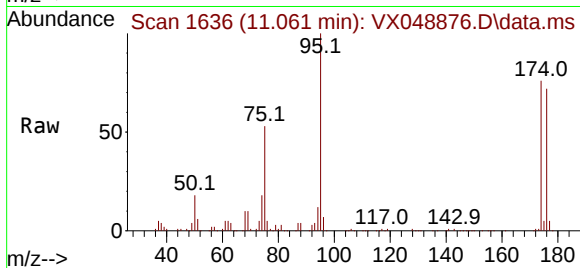
VIBLK

Tgt Ion: 75 Resp: 60775

Ion Ratio Lower Upper

75 100

77 1.2 24.3 73.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.091 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048876.D

Acq: 15 Dec 2025 14:20

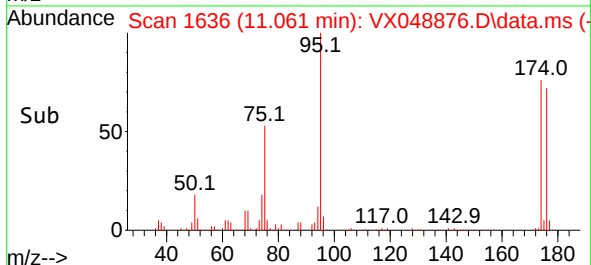
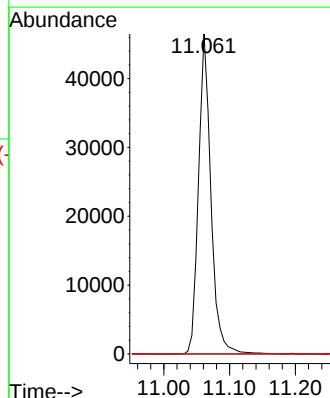
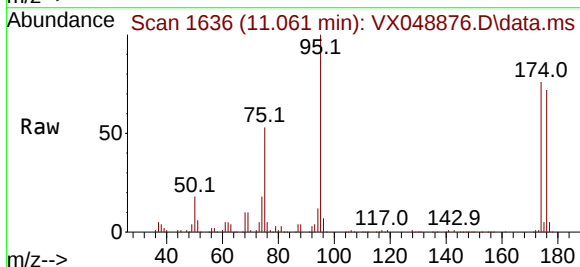
Tgt Ion: 75 Resp: 60775

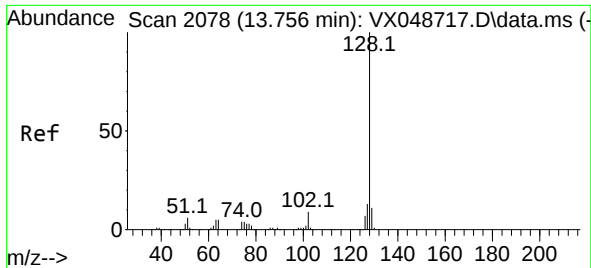
Ion Ratio Lower Upper

75 100

53 0.0 79.9 119.9#

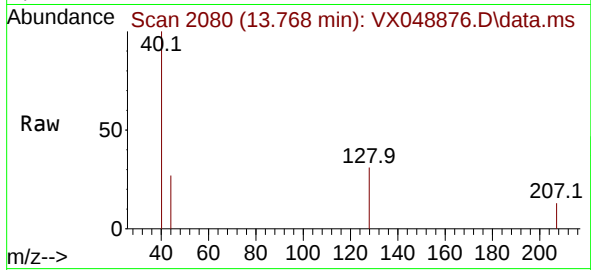
89 0.0 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Instrument :
MSVOA_X
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 91
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

