

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048846.D
 Acq On : 12 Dec 2025 12:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

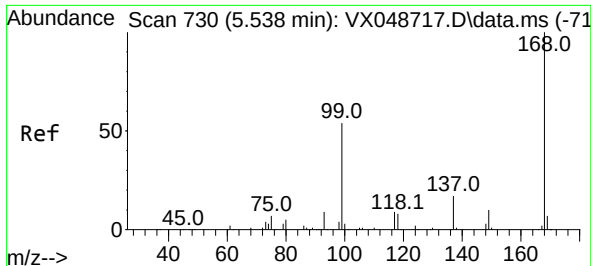
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 12 22:11:14 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	5.538	168	161108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	337027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	361638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	186868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122499	56.650	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.300%			
35) Dibromofluoromethane	5.373	113	109641	47.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.500%			
50) Toluene-d8	8.629	98	386814	47.553	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.100%			
62) 4-Bromofluorobenzene	11.061	95	165924	59.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.300%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	820	0.314	ug/l #	90
13) Acrolein	2.239	56	243	40.782	ug/l #	82
16) Acetone	2.374	43	1204	1.454	ug/l #	88
18) Methyl Acetate	2.709	43	909	0.390	ug/l #	59
27) cis-1,2-Dichloroethene	4.477	96	1333	0.619	ug/l	98
31) Cyclohexane	5.532	56	3062	1.048	ug/l #	1
36) 1,1-Dichloropropene	5.525	75	12697	3.995	ug/l #	49
38) Carbon Tetrachloride	5.532	117	16592	4.609	ug/l #	14
44) Trichloroethene	7.117	130	896	0.364	ug/l	67
58) 2-Chloroethyl Vinyl ether	8.244	63	625	0.323	ug/l #	69
76) 1,2,3-Trichloropropane	11.061	75	84052	24.150	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	84052	57.365	ug/l #	3
95) Naphthalene	13.768	128	554	Below Cal	#	74

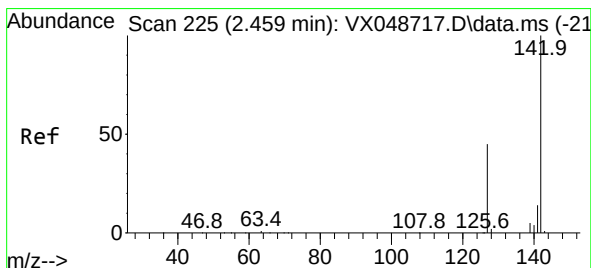
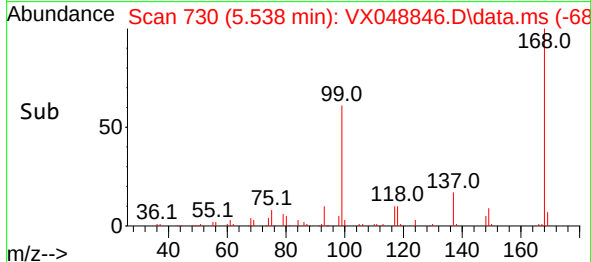
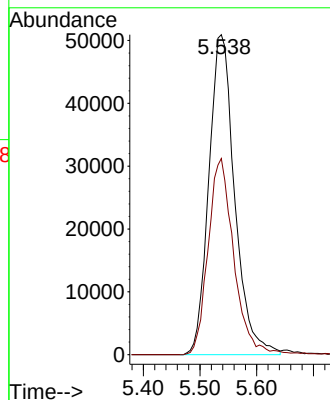
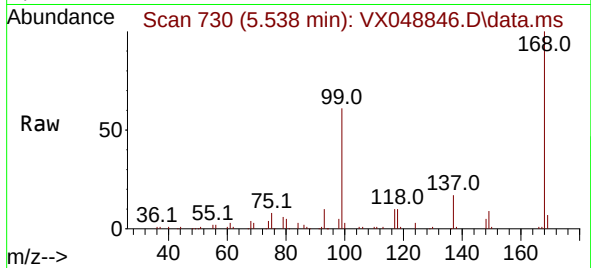
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

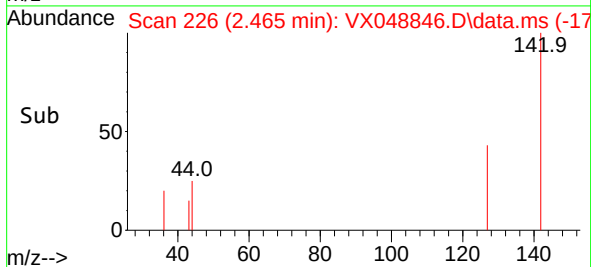
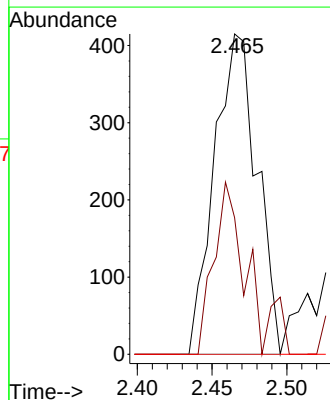
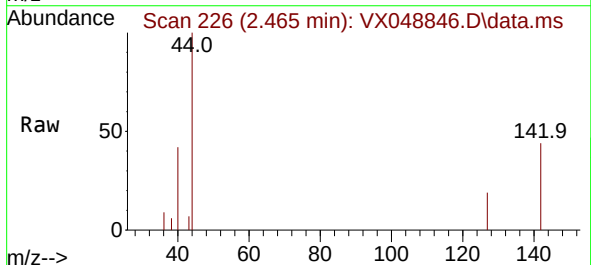
Instrument :
MSVOA_X
ClientSampleId :
IBLK

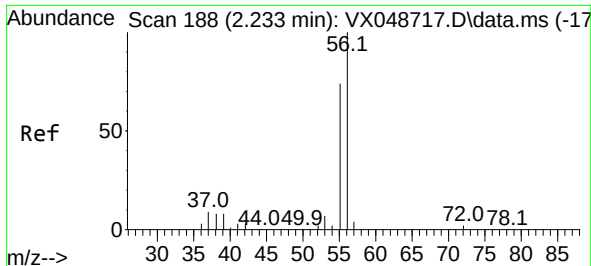
Tgt Ion:168 Resp: 161108
Ion Ratio Lower Upper
168 100
99 61.3 44.2 66.4



#10
Methyl Iodide
Concen: 0.314 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion:142 Resp: 820
Ion Ratio Lower Upper
142 100
127 43.4 35.8 53.6
141 0.0 11.1 16.7#

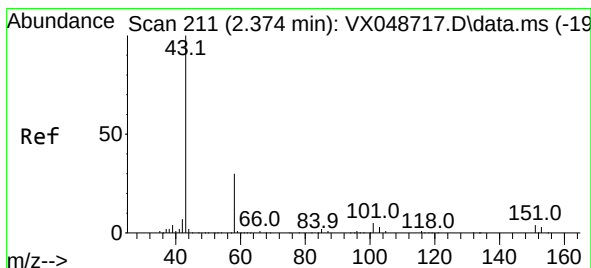
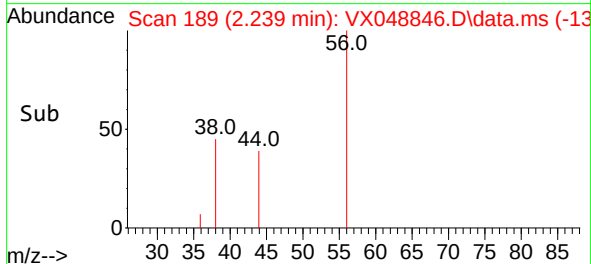
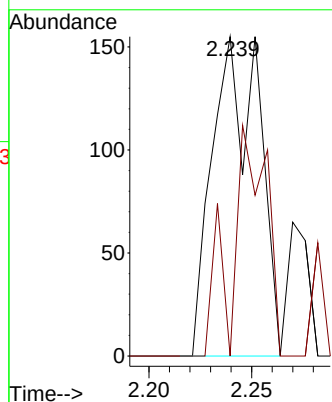
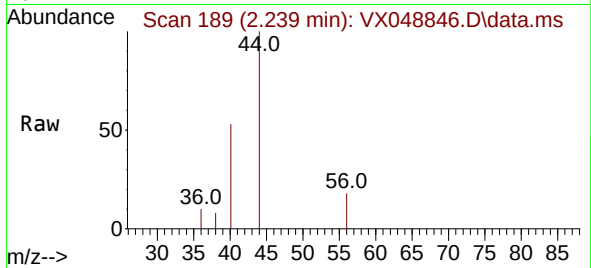




#13
Acrolein
Concen: 40.782 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

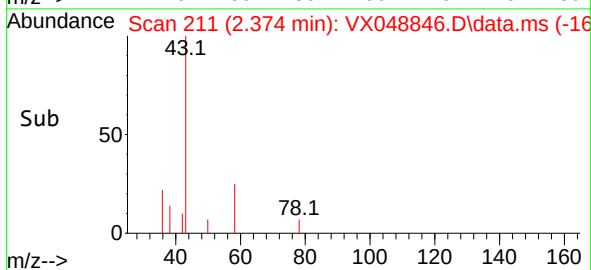
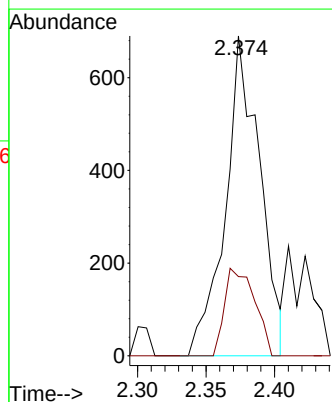
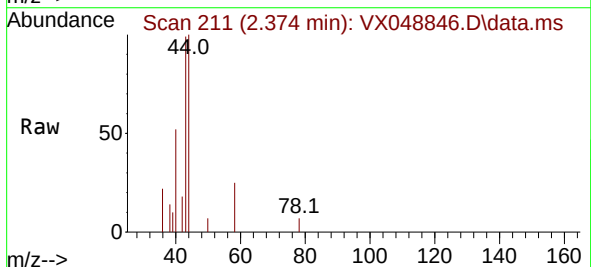
Instrument :
MSVOA_X
ClientSampleId :
IBLK

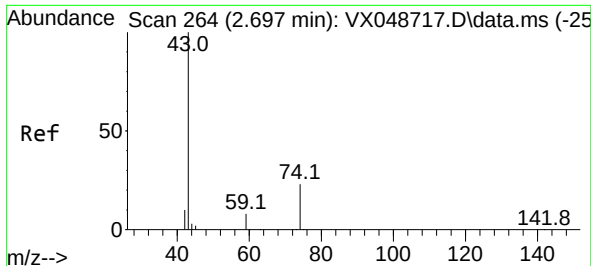
Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 54.7 55.8 83.6#



#16
Acetone
Concen: 1.454 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 24.8 25.0 37.4#

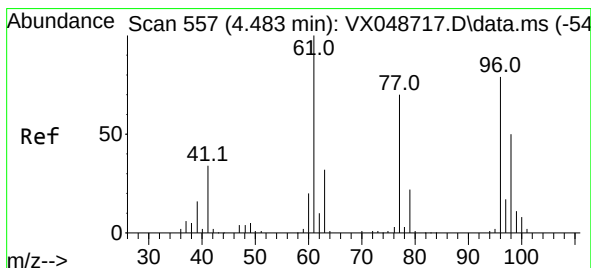
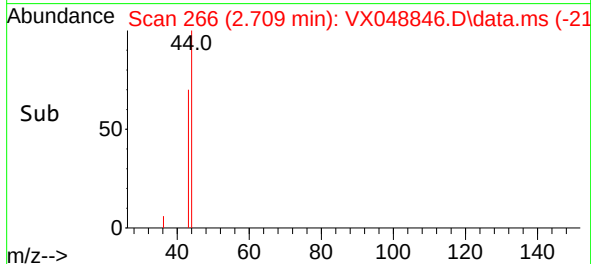
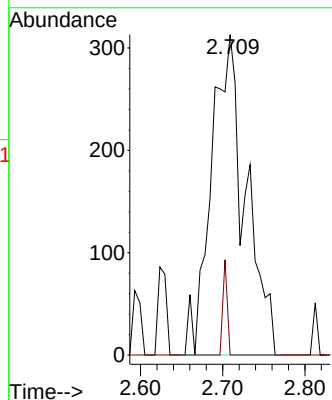
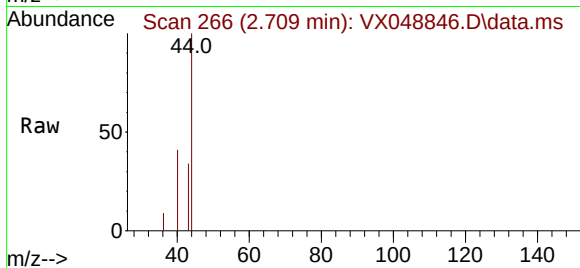




#18
Methyl Acetate
Concen: 0.390 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

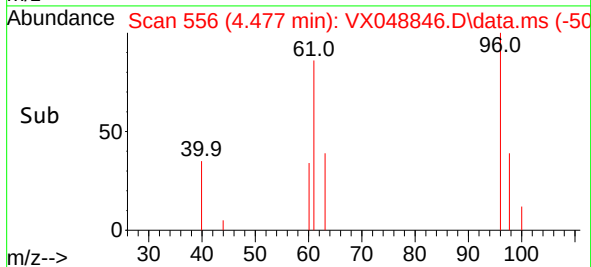
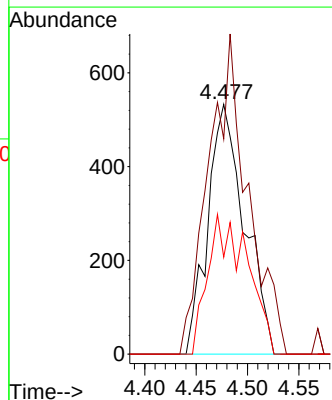
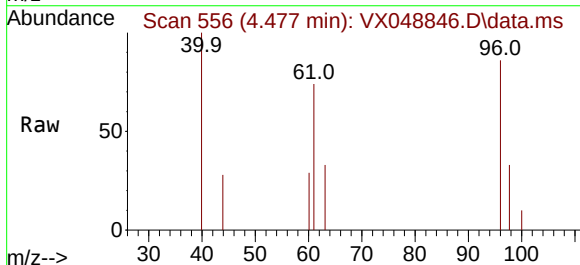
Instrument :
MSVOA_X
ClientSampleId :
IBLK

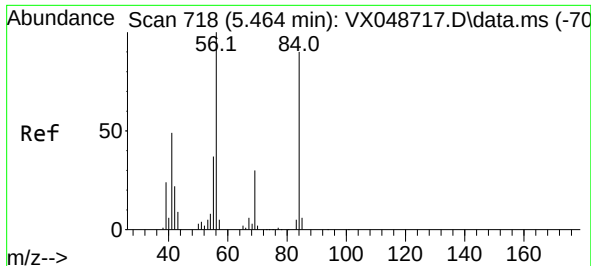
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
74 3.7 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.619 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 96 Resp: 1333
Ion Ratio Lower Upper
96 100
61 135.3 0.0 271.0
98 60.0 0.0 130.2

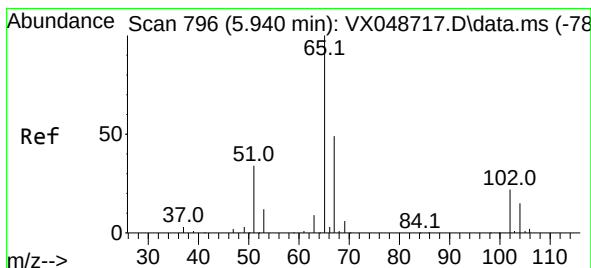
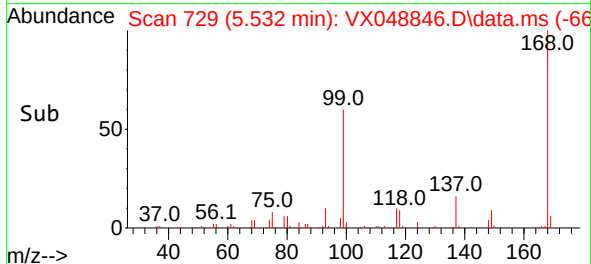
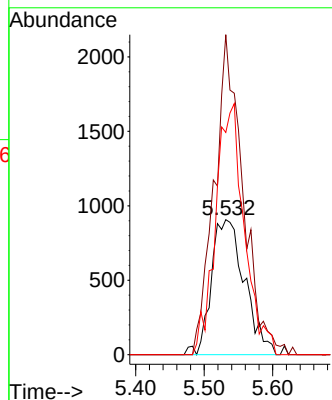
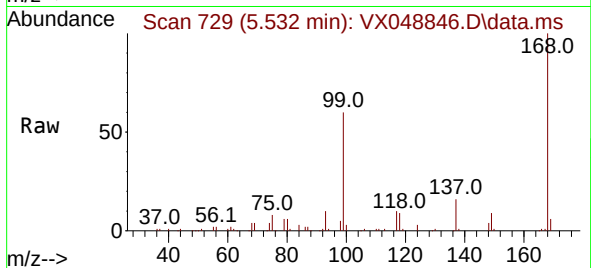




#31
Cyclohexane
Concen: 1.048 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

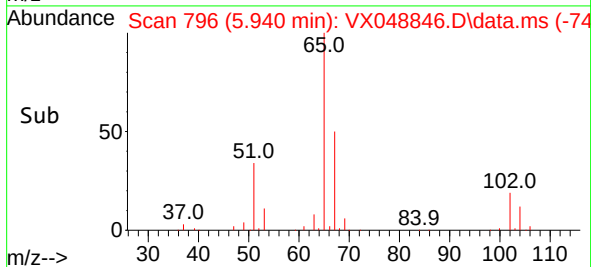
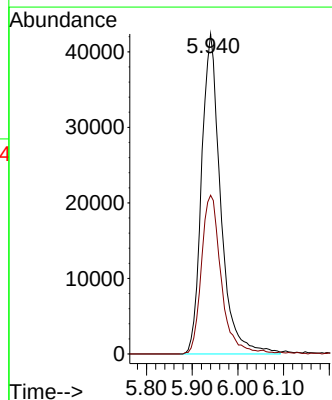
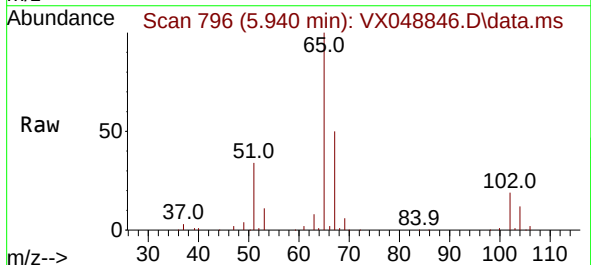
Instrument :
MSVOA_X
ClientSampleId :
IBLK

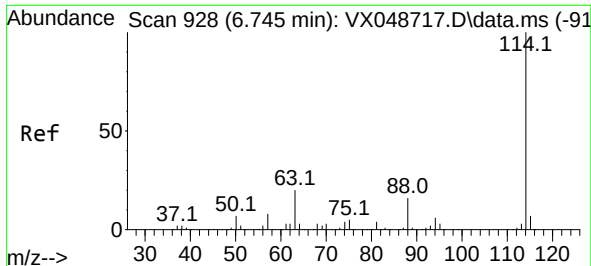
Tgt Ion: 56 Resp: 3062
Ion Ratio Lower Upper
56 100
69 236.9 24.2 36.2#
84 164.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 56.650 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 65 Resp: 122499
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.4

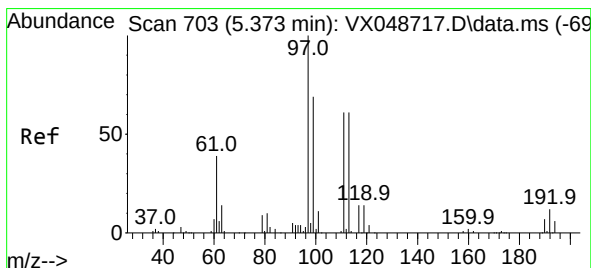
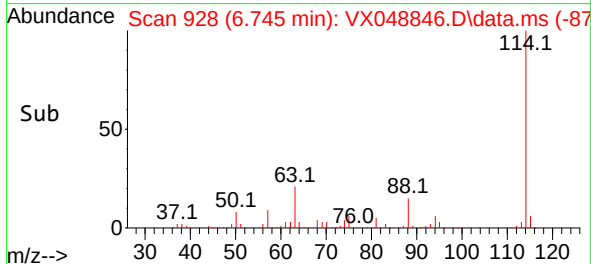
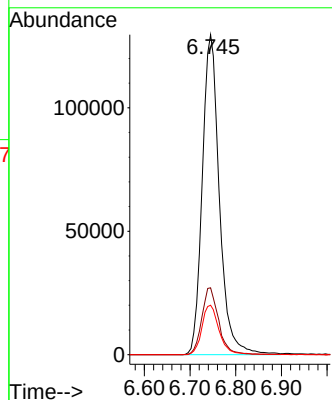
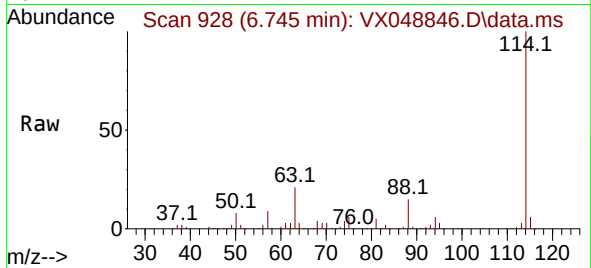




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

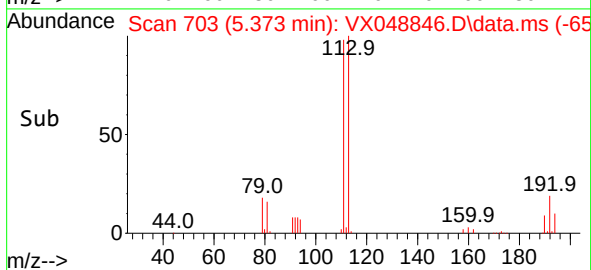
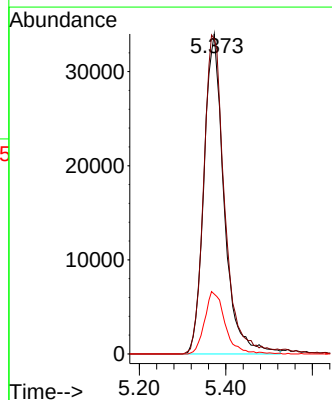
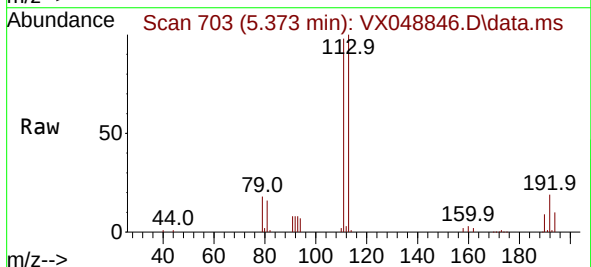
Instrument :
MSVOA_X
ClientSampleId :
IBLK

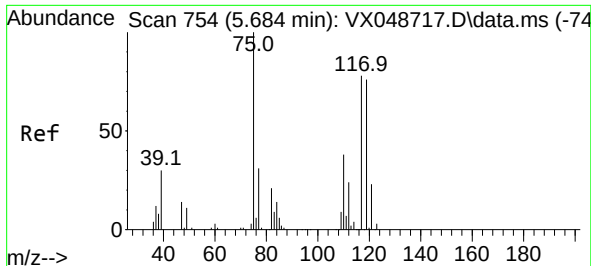
Tgt Ion:114 Resp: 337027
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.0
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion:113 Resp: 109641
Ion Ratio Lower Upper
113 100
111 103.2 79.5 119.3
192 19.9 16.1 24.1

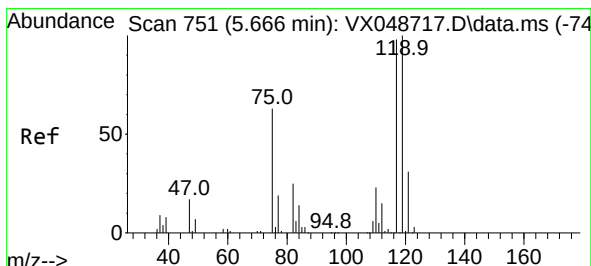
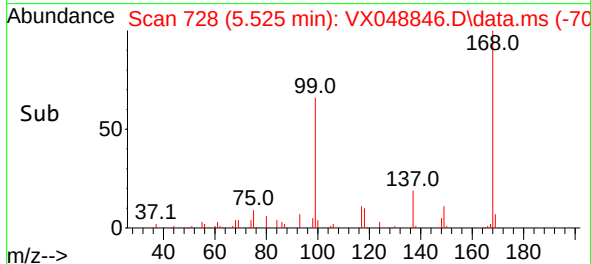
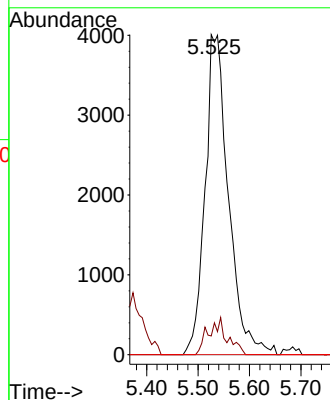
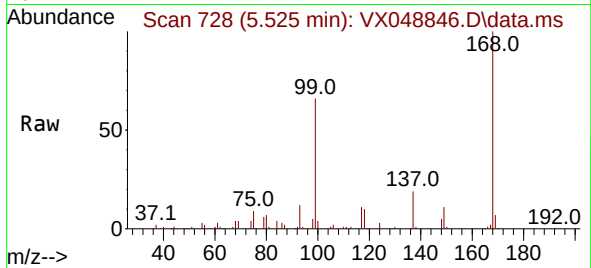




#36
1,1-Dichloropropene
Concen: 3.995 ug/l
RT: 5.525 min Scan# 711
Delta R.T. -0.158 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

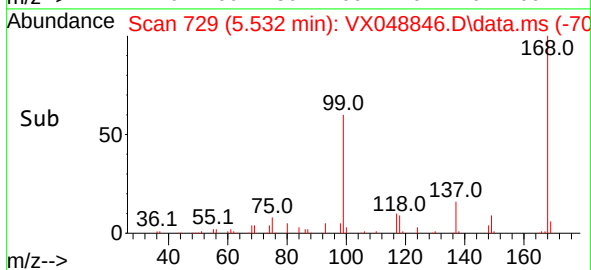
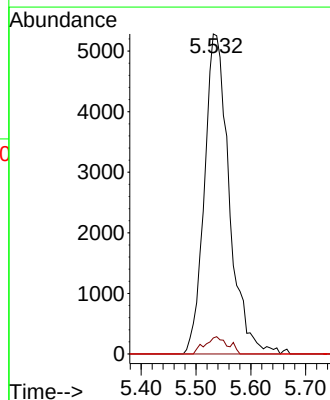
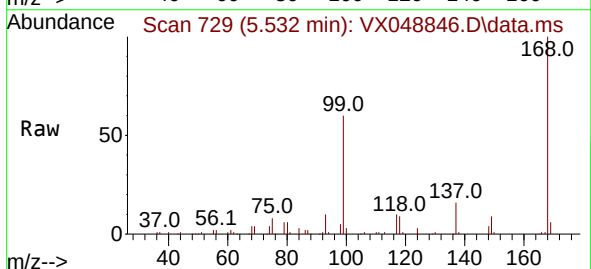
Instrument :
MSVOA_X
ClientSampleId :
IBLK

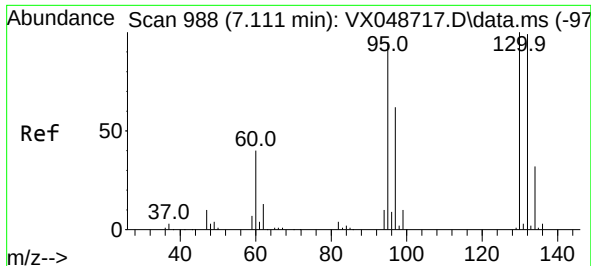
Tgt Ion: 75 Resp: 12697
Ion Ratio Lower Upper
75 100
110 9.2 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.609 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 117 Resp: 16592
Ion Ratio Lower Upper
117 100
119 5.0 80.5 120.7#
121 0.0 25.4 38.0#

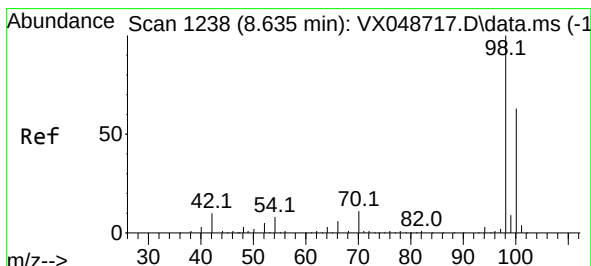
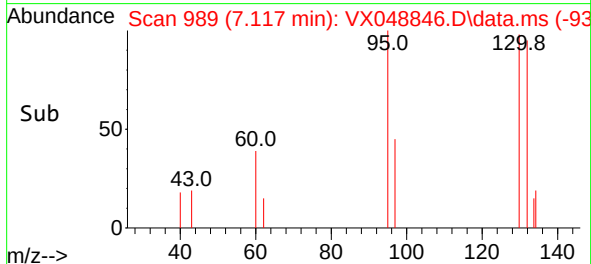
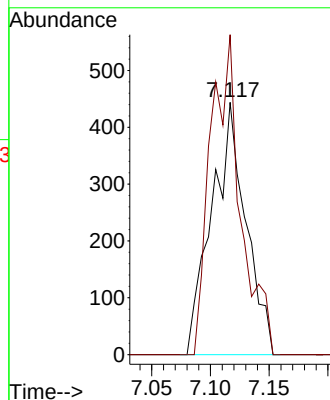
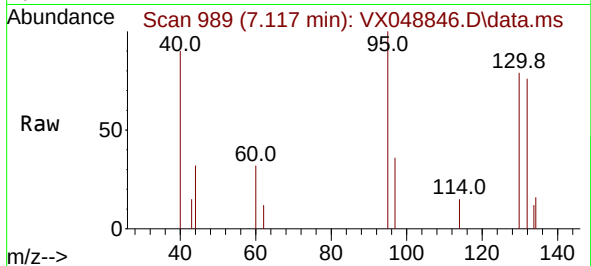




#44
Trichloroethene
Concen: 0.364 ug/l
RT: 7.117 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

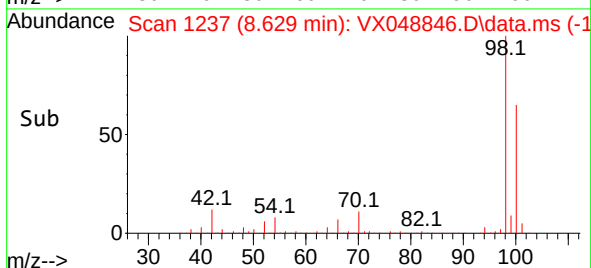
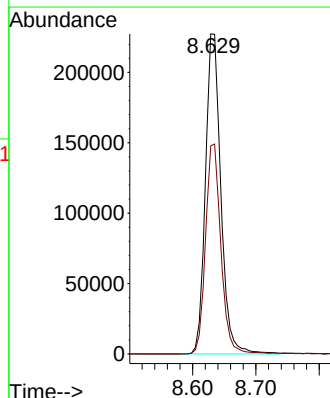
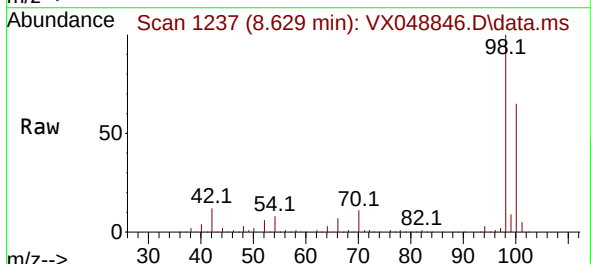
Instrument :
MSVOA_X
ClientSampleId :
IBLK

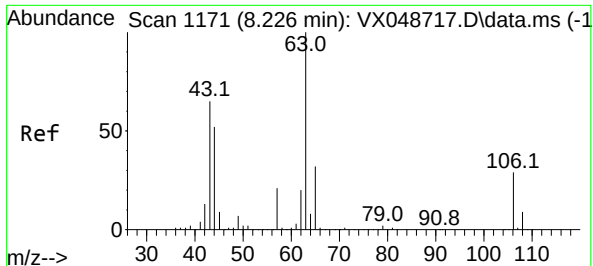
Tgt Ion:130 Resp: 896
Ion Ratio Lower Upper
130 100
95 126.8 0.0 189.6



#50
Toluene-d8
Concen: 47.553 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 98 Resp: 386814
Ion Ratio Lower Upper
98 100
100 65.3 53.4 80.0

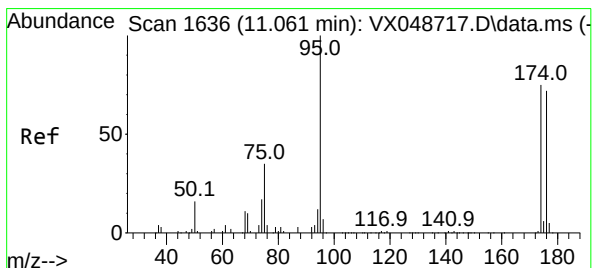
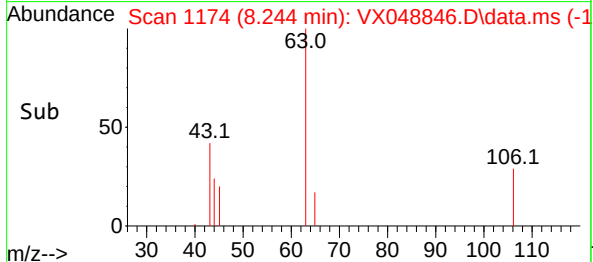
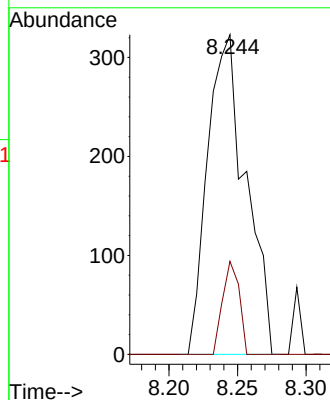
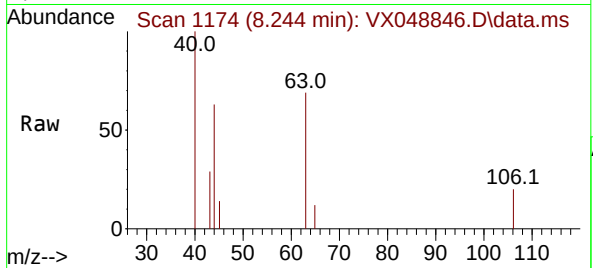




#58
2-Chloroethyl Vinyl ether
Concen: 0.323 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.018 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

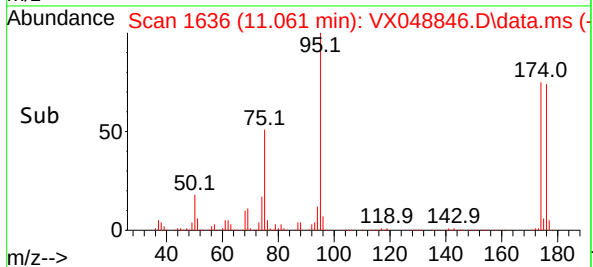
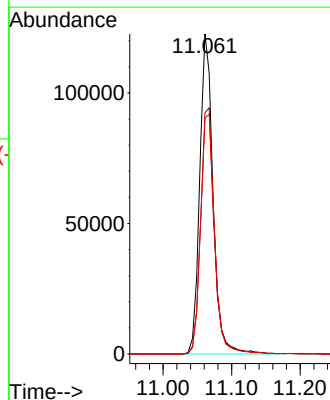
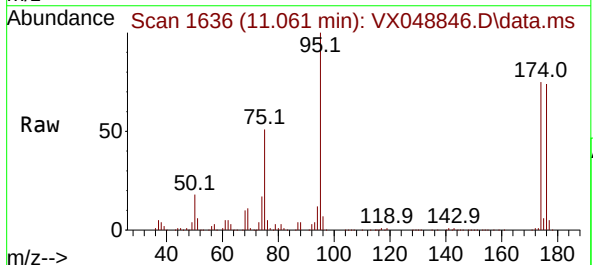
Instrument :
MSVOA_X
ClientSampleId :
IBLK

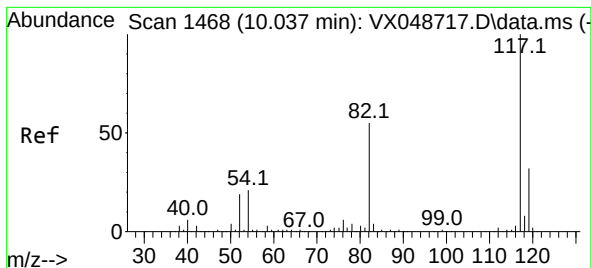
Tgt Ion: 63 Resp: 625
Ion Ratio Lower Upper
63 100
106 12.6 23.4 35.2#



#62
4-Bromofluorobenzene
Concen: 59.154 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Tgt Ion: 95 Resp: 165924
Ion Ratio Lower Upper
95 100
174 79.7 0.0 157.8
176 78.5 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: VX048846.D

Acq: 12 Dec 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

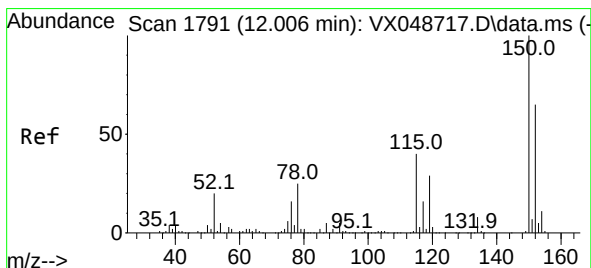
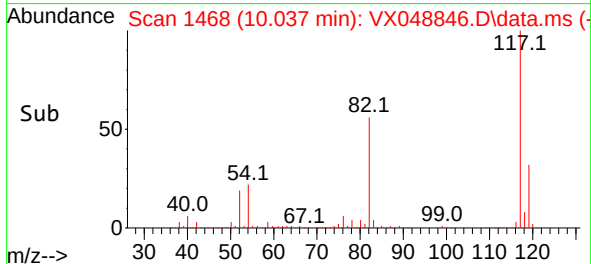
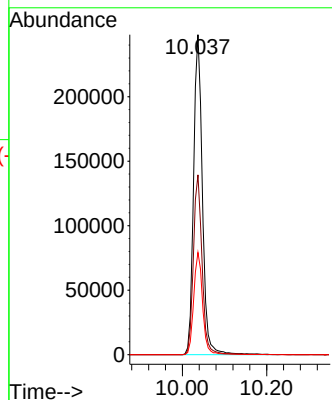
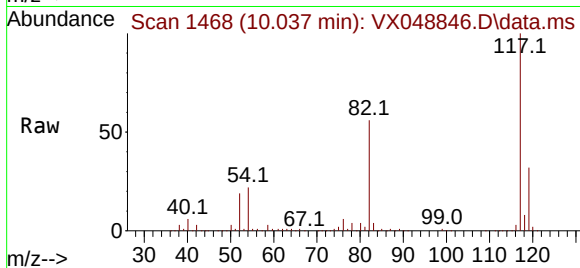
Tgt Ion:117 Resp: 361638

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

119 32.0 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: VX048846.D

Acq: 12 Dec 2025 12:04

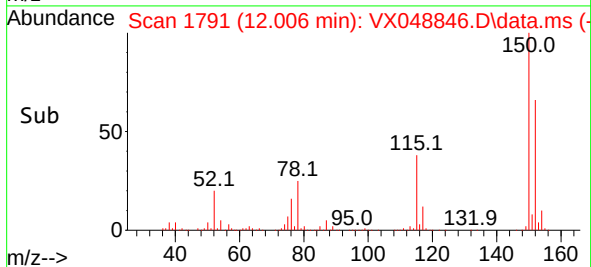
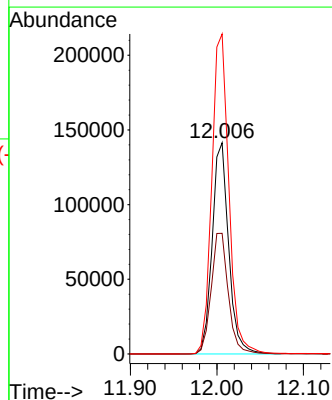
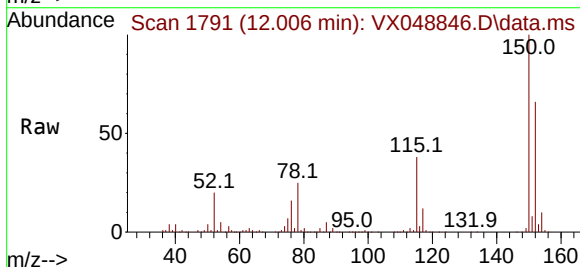
Tgt Ion:152 Resp: 186868

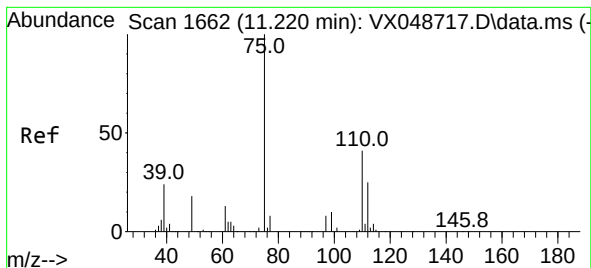
Ion Ratio Lower Upper

152 100

115 59.5 42.1 126.4

150 156.8 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.150 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX048846.D

Acq: 12 Dec 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

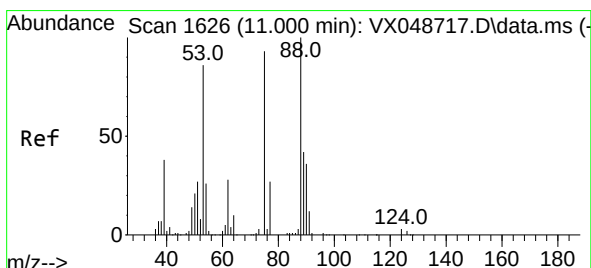
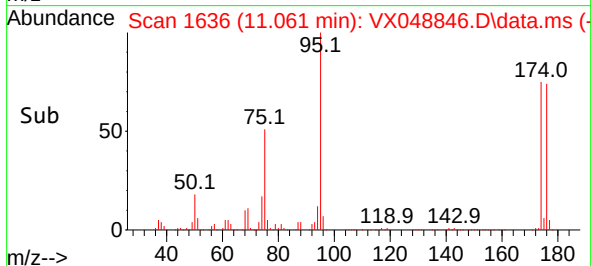
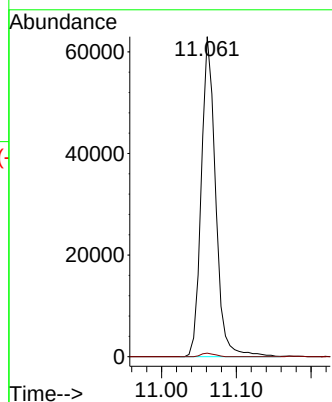
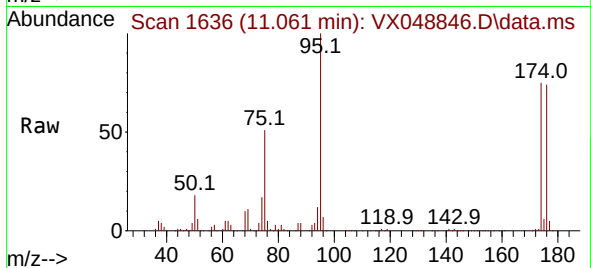
IBLK

Tgt Ion: 75 Resp: 84052

Ion Ratio Lower Upper

75 100

77 1.0 24.3 73.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.365 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048846.D

Acq: 12 Dec 2025 12:04

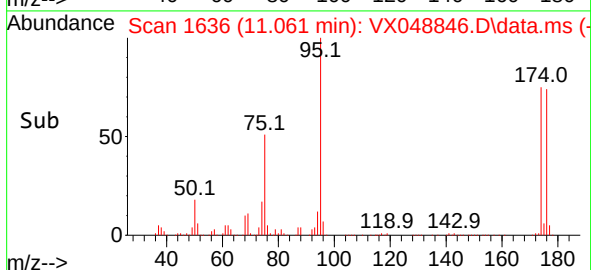
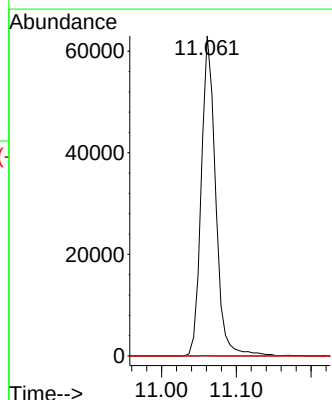
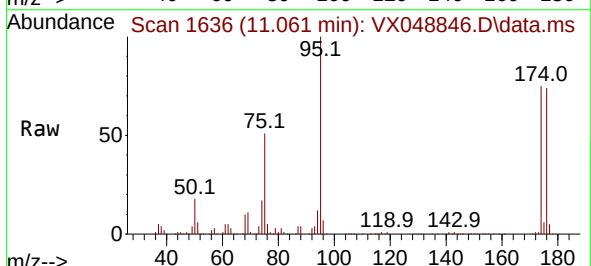
Tgt Ion: 75 Resp: 84052

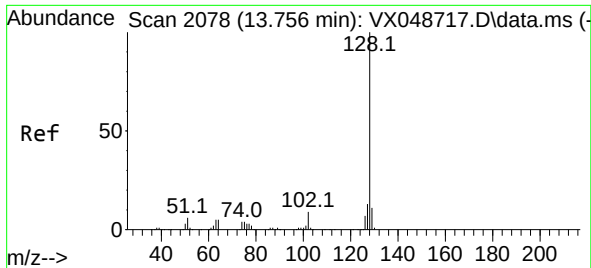
Ion Ratio Lower Upper

75 100

53 0.1 79.9 119.9#

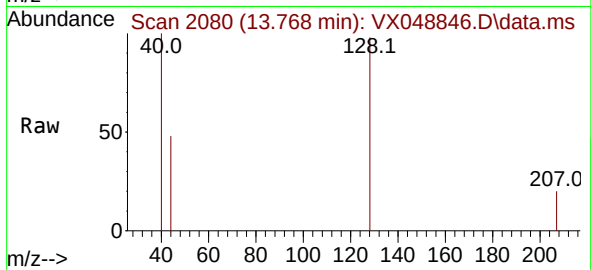
89 0.0 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2078
Delta R.T. 0.012 min
Lab File: VX048846.D
Acq: 12 Dec 2025 12:04

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:128 Resp: 554
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 3.4 8.6 13.0#

