

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048093.D
 Acq On : 09 Oct 2025 17:25
 Operator : JC/MD
 Sample : IBLK
 Misc : 3.10g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 10 01:28:35 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	5.544	168	100134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	208450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	226846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115987	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99526	62.443	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	124.880%#
35) Dibromofluoromethane	5.379	113	77151	55.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.380%
50) Toluene-d8	8.635	98	264132	54.603	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.200%
62) 4-Bromofluorobenzene	11.067	95	116417	63.414	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.820%#

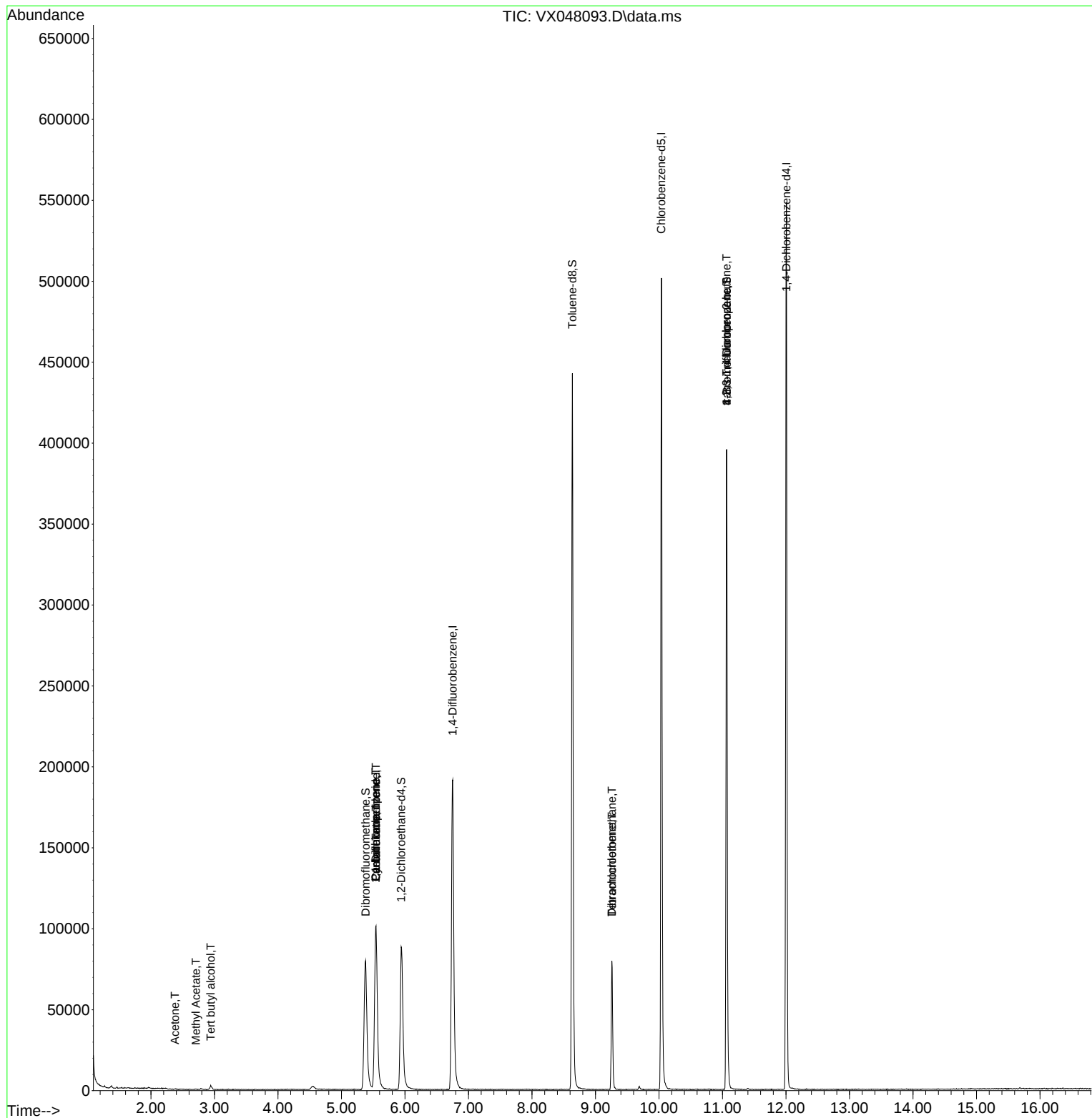
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	1264	7.120	ug/l #	72
16) Acetone	2.380	43	365	0.527	ug/l #	33
18) Methyl Acetate	2.709	43	374	0.242	ug/l #	54
31) Cyclohexane	5.544	56	2374	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	8711	4.264	ug/l #	48
38) Carbon Tetrachloride	5.544	117	10725	4.832	ug/l #	18
60) Dibromochloromethane	9.257	129	15150	8.921	ug/l #	11
64) Tetrachloroethene	9.257	164	15591	10.543	ug/l	95
76) 1,2,3-Trichloropropane	11.061	75	60050	25.571	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	60050	65.209	ug/l #	8

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

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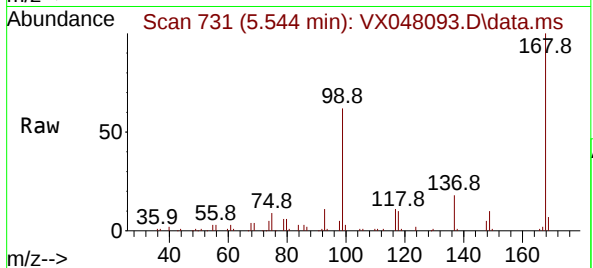
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



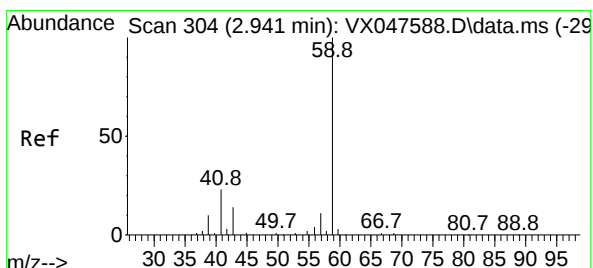
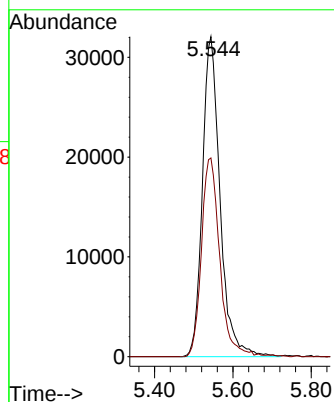
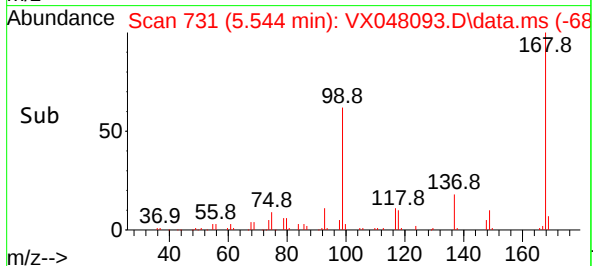


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
IBLK

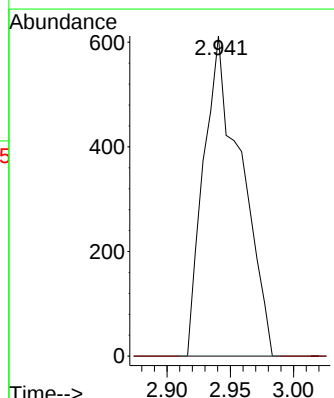
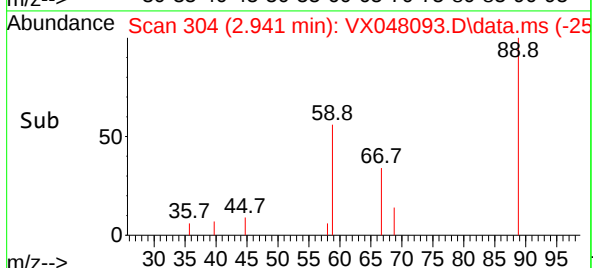
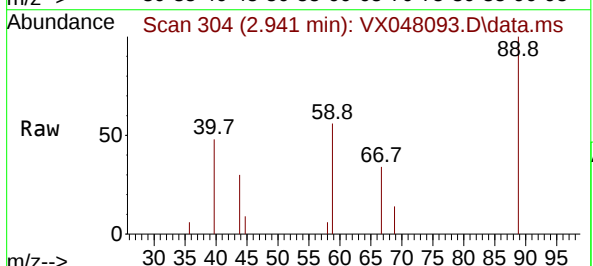


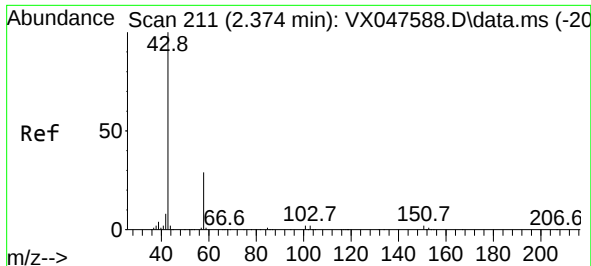
Tgt Ion:168 Resp: 100134
Ion Ratio Lower Upper
168 100
99 62.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 7.120 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion: 59 Resp: 1264
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

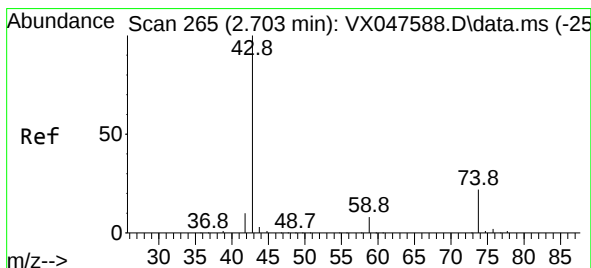
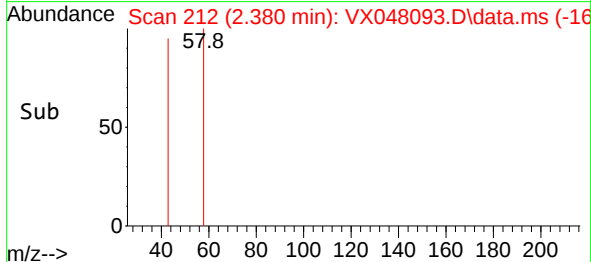
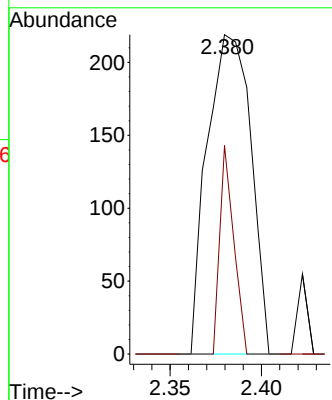
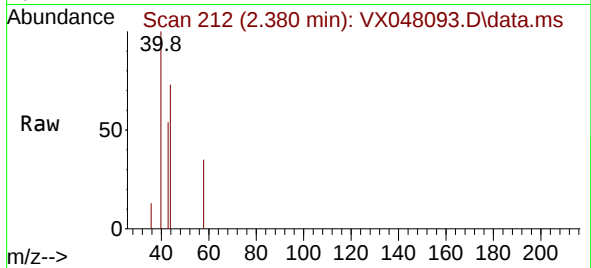




#16
Acetone
Concen: 0.527 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

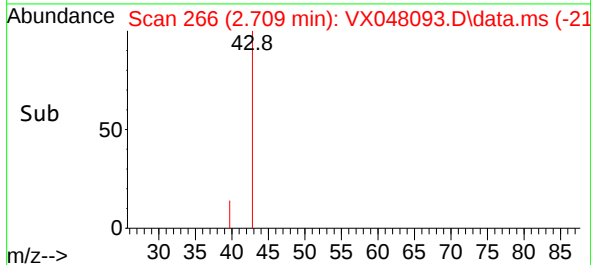
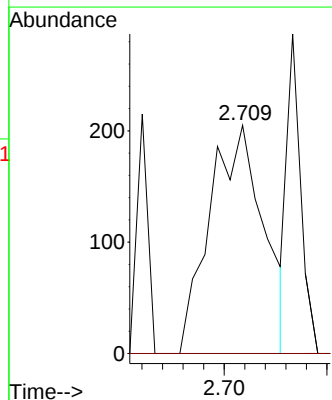
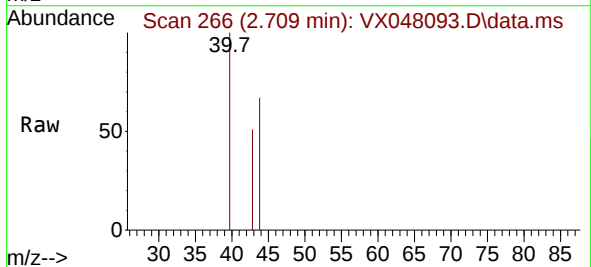
Instrument :
MSVOA_X
ClientSampleId :
IBLK

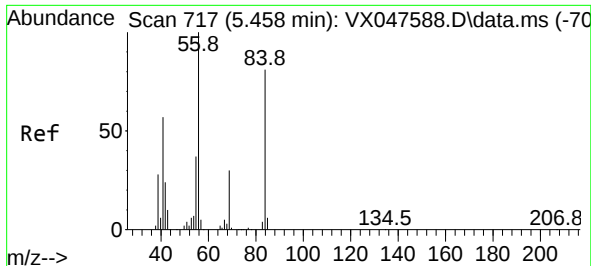
Tgt Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
58 65.3 23.4 35.0#



#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

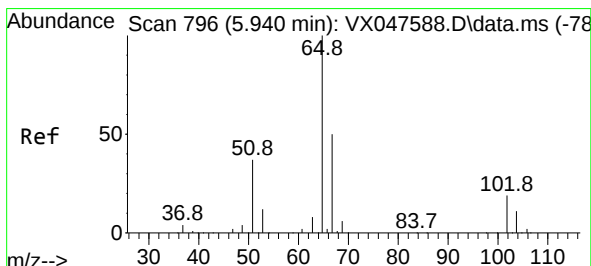
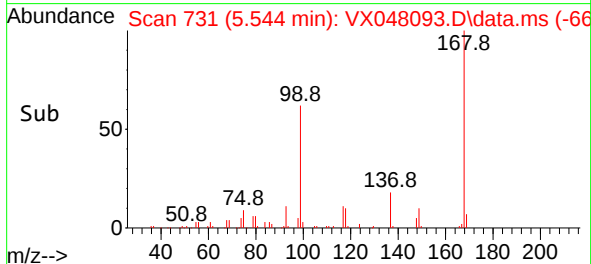
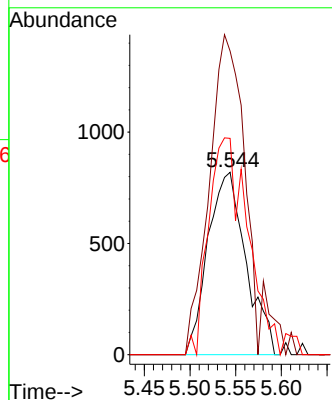
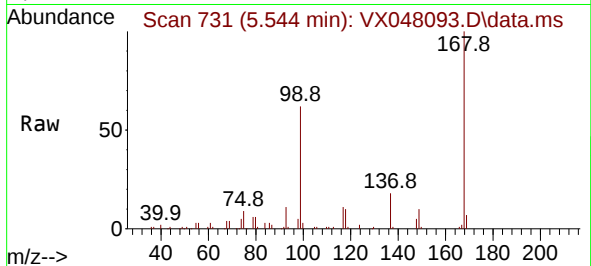




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

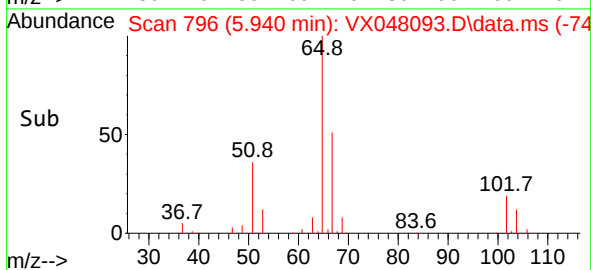
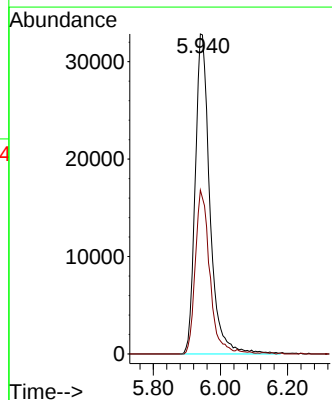
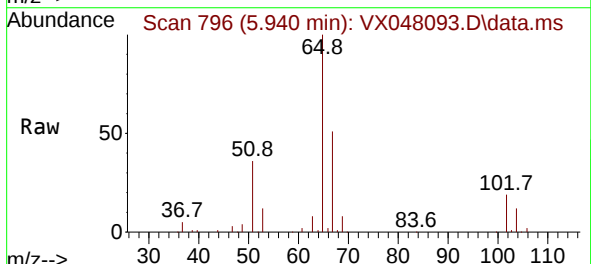
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 56 Resp: 2374
Ion Ratio Lower Upper
56 100
69 166.3 23.8 35.8#
84 118.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 62.443 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion: 65 Resp: 99526
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.0

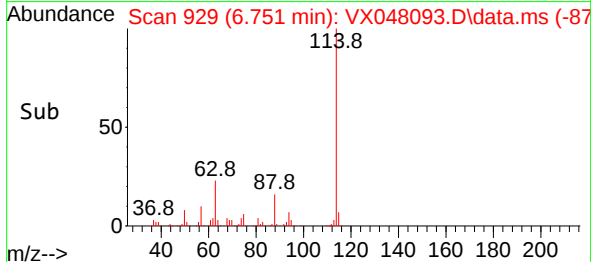
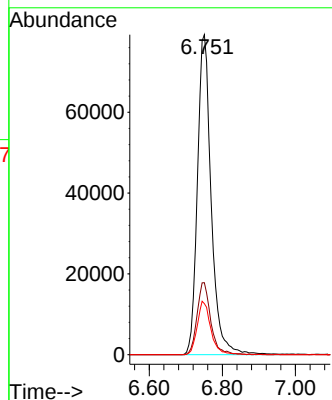
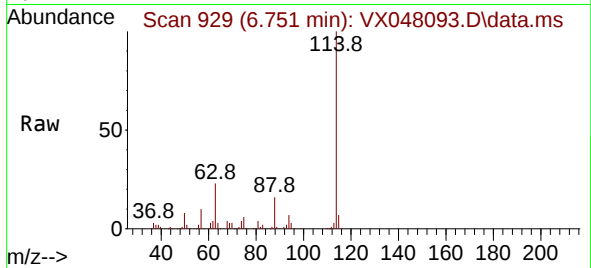




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

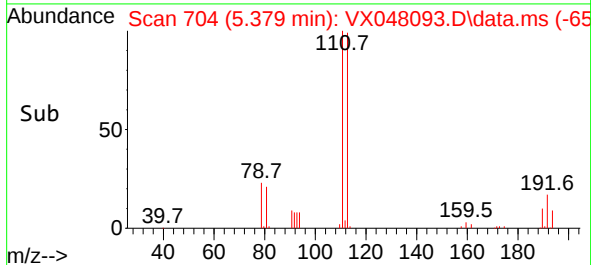
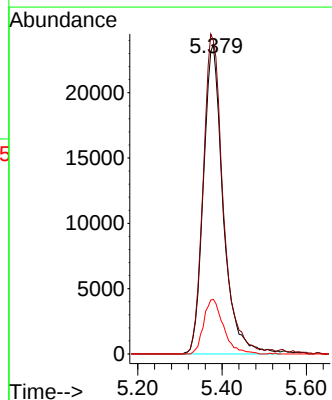
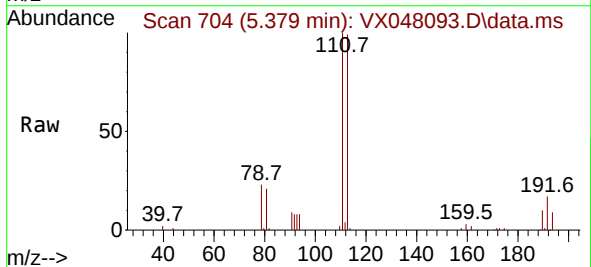
Instrument :
MSVOA_X
ClientSampleId :
IBLK

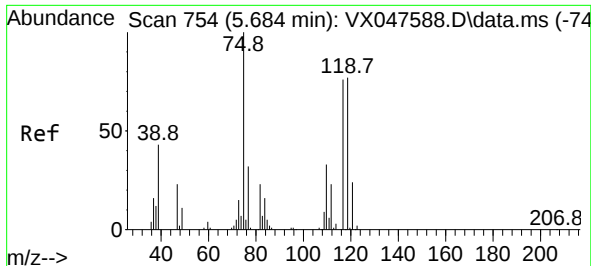
Tgt Ion:114 Resp: 208450
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 55.187 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion:113 Resp: 77151
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX048093.D

Acq: 09 Oct 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

IBLK

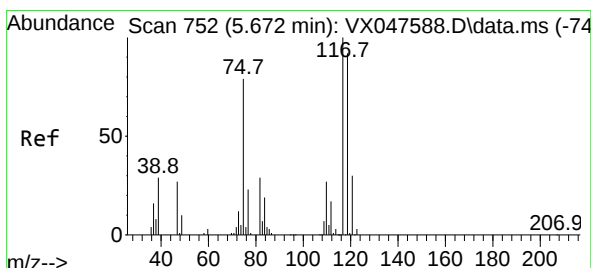
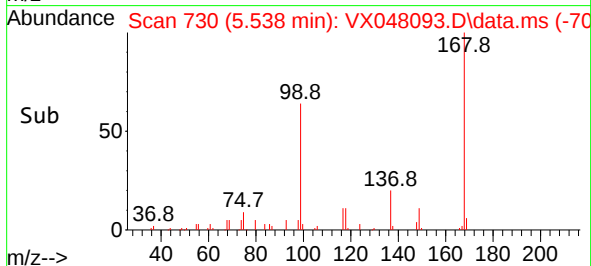
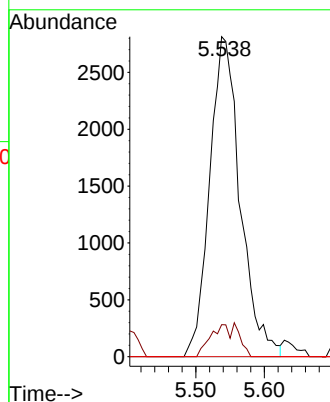
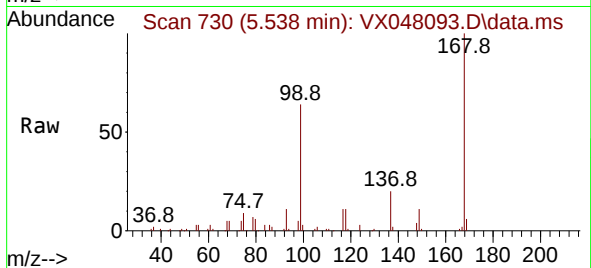
Tgt Ion: 75 Resp: 8711

Ion Ratio Lower Upper

75 100

110 6.3 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.832 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX048093.D

Acq: 09 Oct 2025 17:25

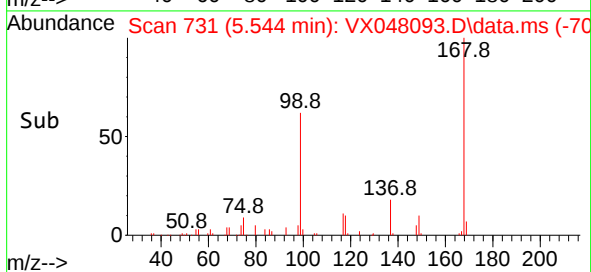
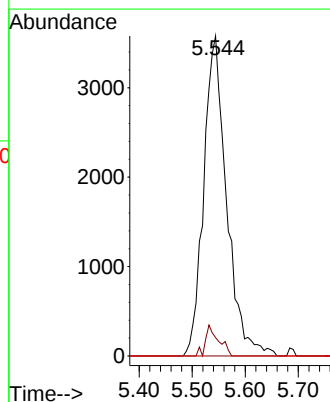
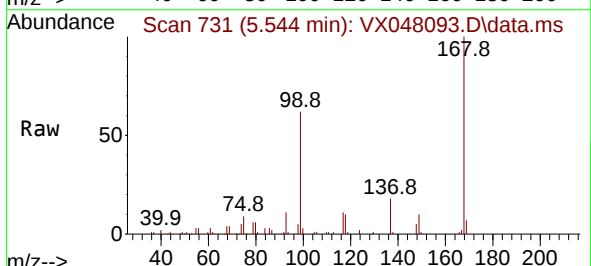
Tgt Ion: 117 Resp: 10725

Ion Ratio Lower Upper

117 100

119 5.8 73.4 110.2#

121 0.0 23.8 35.6#

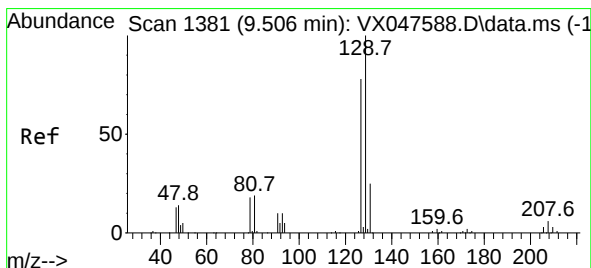
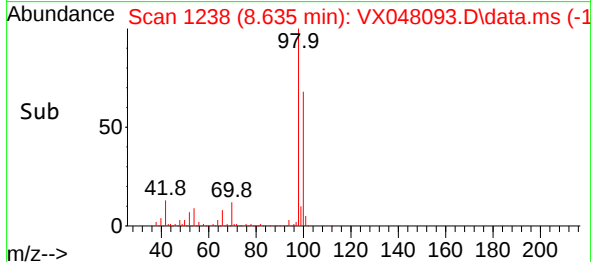
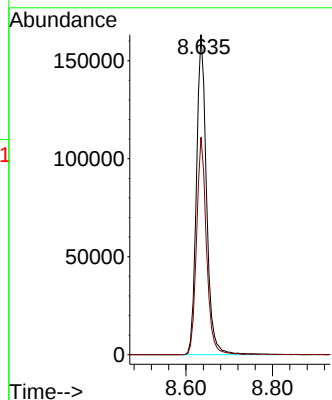
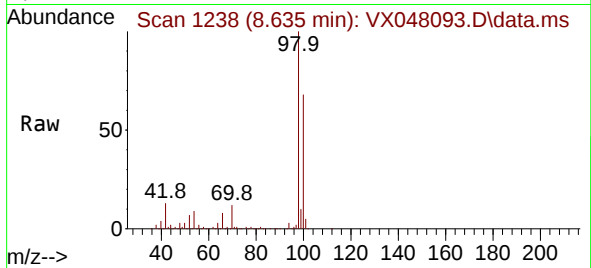




#50
Toluene-d8
Concen: 54.603 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

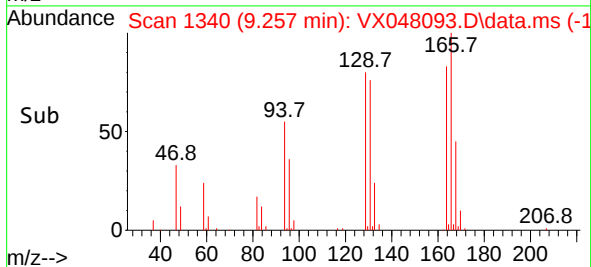
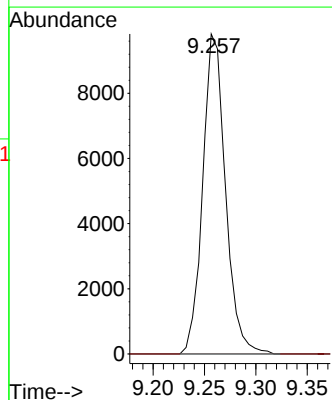
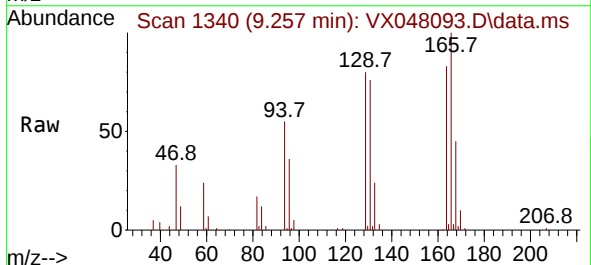
Instrument :
MSVOA_X
ClientSampleId :
IBLK

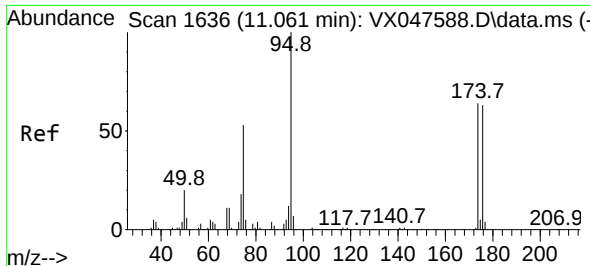
Tgt Ion: 98 Resp: 264132
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#60
Dibromochloromethane
Concen: 8.921 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion:129 Resp: 15150
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

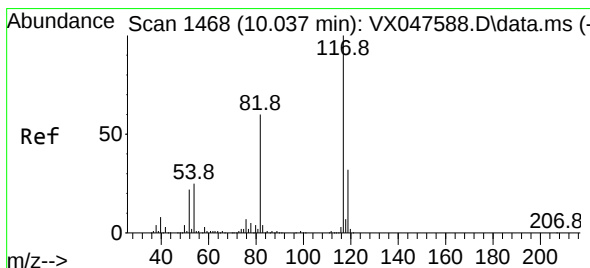
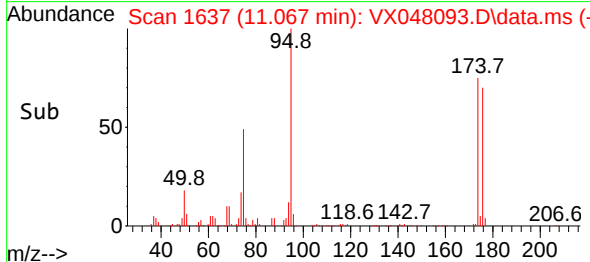
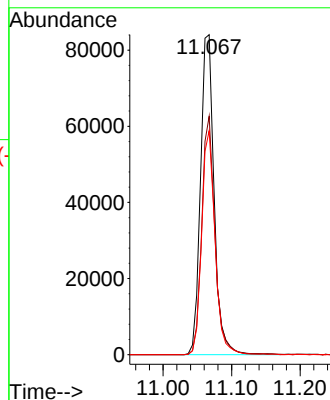
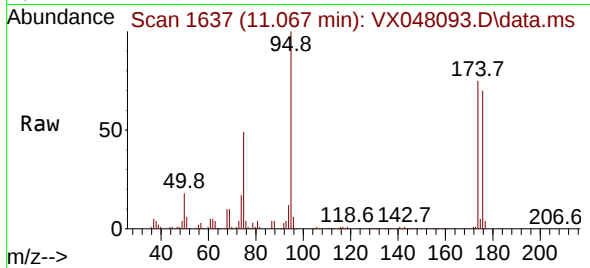




#62
4-Bromofluorobenzene
Concen: 63.414 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

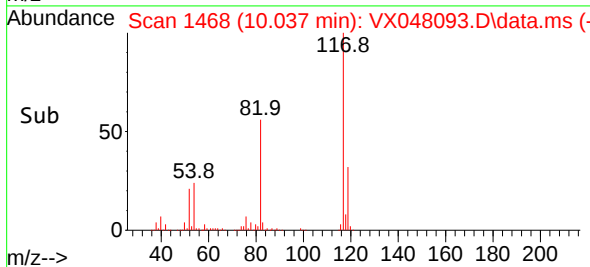
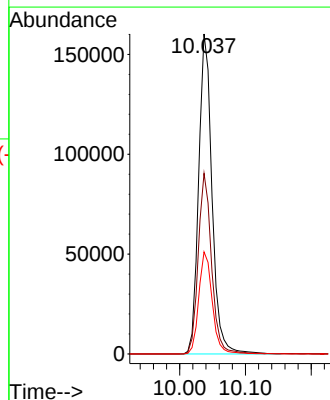
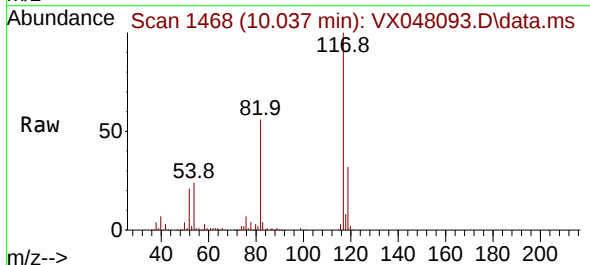
Instrument :
MSVOA_X
ClientSampleId :
IBLK

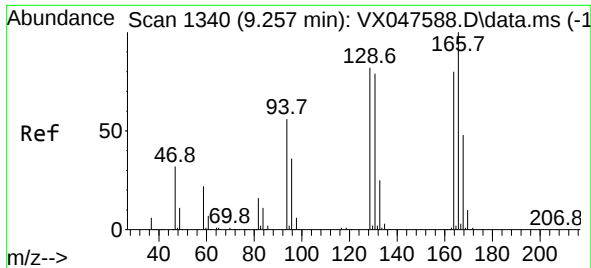
Tgt Ion: 95 Resp: 116417
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 68.7 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion: 117 Resp: 226846
Ion Ratio Lower Upper
117 100
82 56.4 47.8 71.6
119 31.9 25.2 37.8



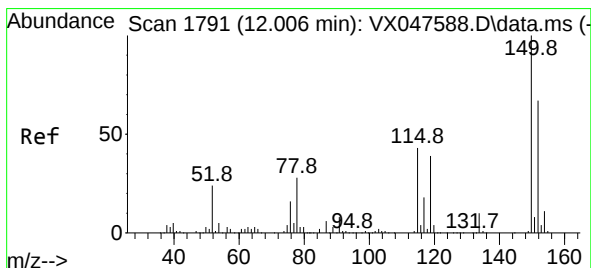
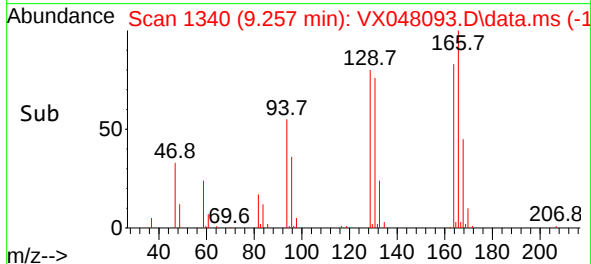
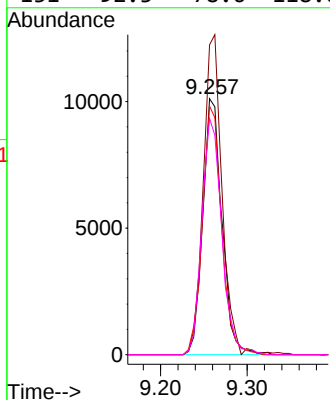
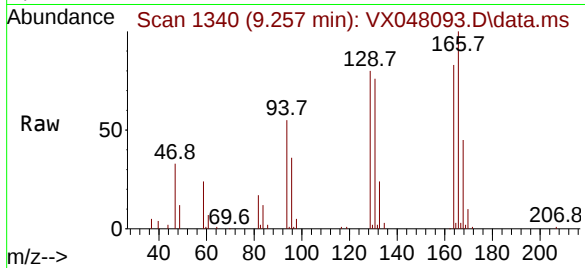


#64
Tetrachloroethene
Concen: 10.543 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:164 Resp: 15591

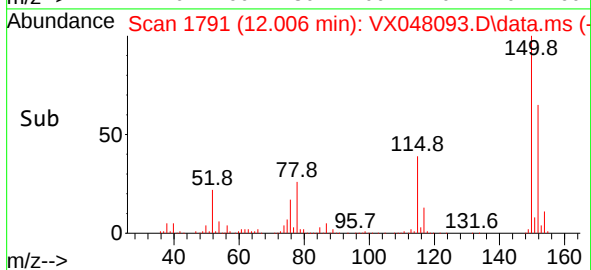
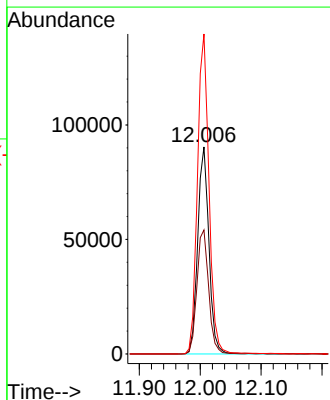
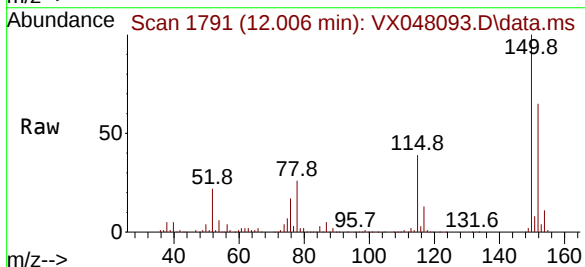
Ion	Ratio	Lower	Upper
164	100		
166	121.1	100.2	150.2
129	97.1	81.8	122.6
131	92.3	78.6	118.0

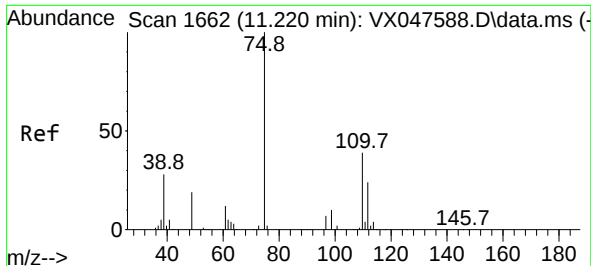


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion:152 Resp: 115987

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	158.4	0.0	352.0

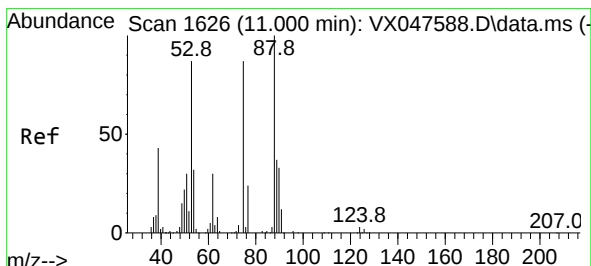
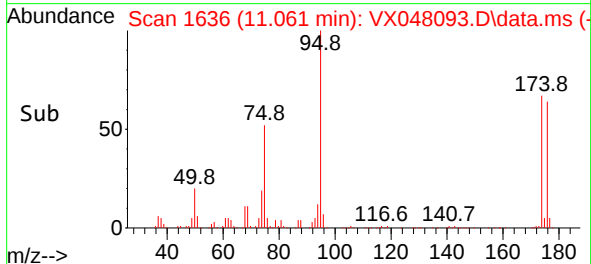
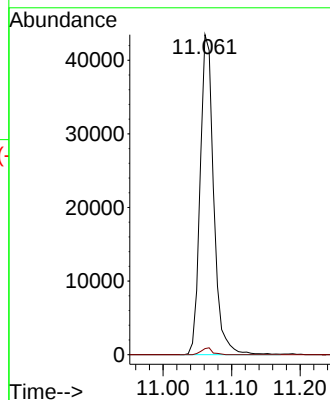
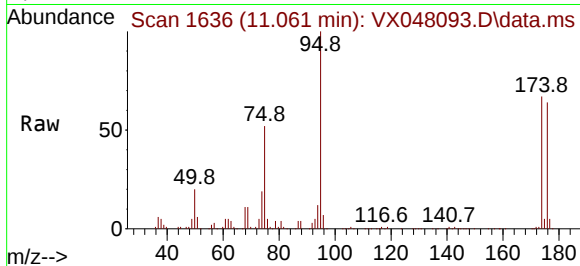




#76
1,2,3-Trichloropropane
Concen: 25.571 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 60050
Ion Ratio Lower Upper
75 100
77 1.7 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.209 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048093.D
Acq: 09 Oct 2025 17:25

Tgt Ion: 75 Resp: 60050
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

