

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048044.D
 Acq On : 07 Oct 2025 11:59
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 08 01:25:53 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)

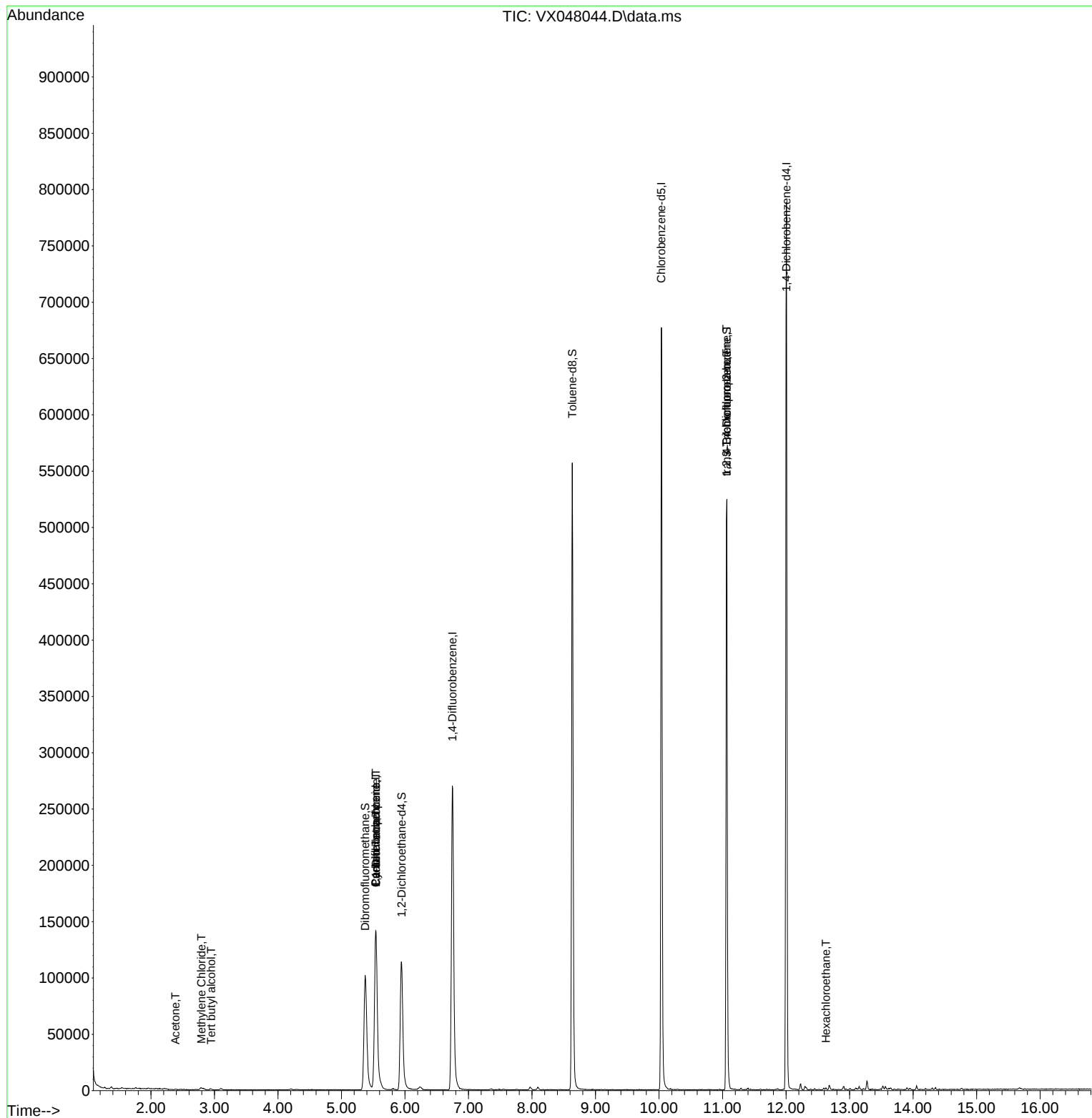
Internal Standards						
1) Pentafluorobenzene	5.537	168	143940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	293410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	308738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	160937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	127141	55.492	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.980%	
35) Dibromofluoromethane	5.373	113	100790	51.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.440%	
50) Toluene-d8	8.634	98	340519	50.011	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	11.067	95	151399	58.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	100	0.392	ug/l #	72
16) Acetone	2.386	43	738	0.741	ug/l	91
20) Methylene Chloride	2.794	84	494	0.234	ug/l #	75
31) Cyclohexane	5.544	56	3781	1.249	ug/l #	8
36) 1,1-Dichloropropene	5.544	75	12224	4.251	ug/l #	52
38) Carbon Tetrachloride	5.544	117	15112	4.837	ug/l #	20
76) 1,2,3-Trichloropropane	11.061	75	80372	24.666	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	80372	62.901	ug/l #	8
90) Hexachloroethane	12.628	117	687	0.378	ug/l #	16

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

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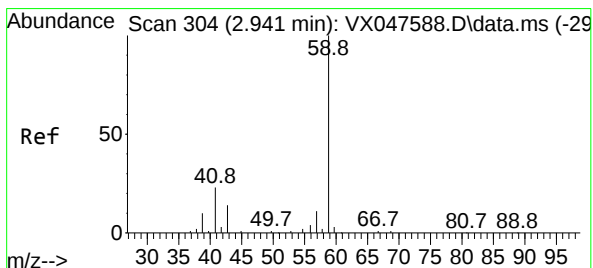
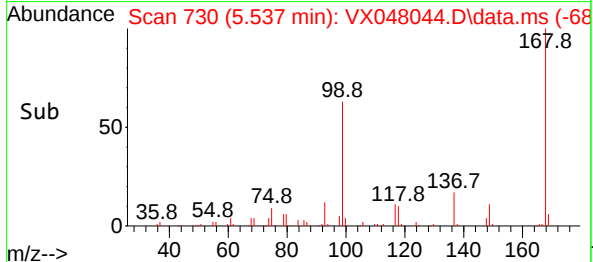
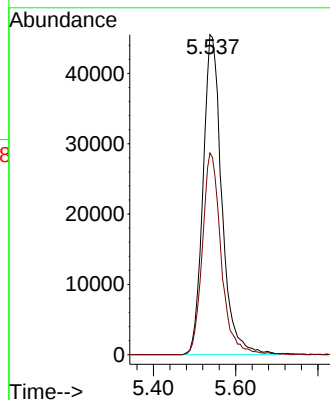
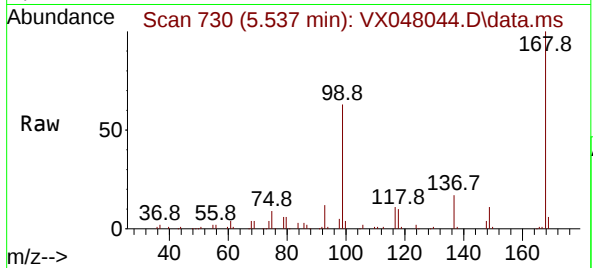




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

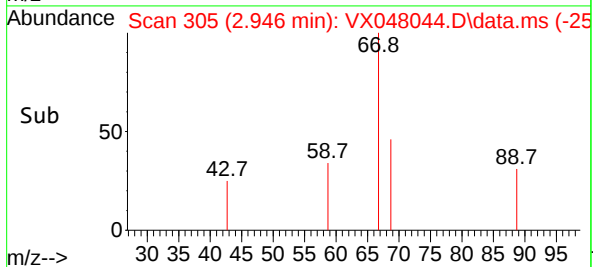
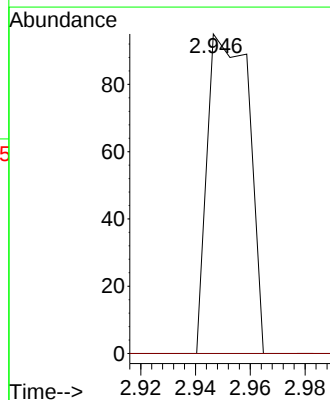
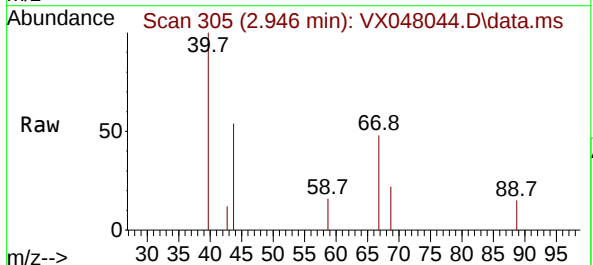
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 143940
Ion Ratio Lower Upper
168 100
99 63.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.392 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

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

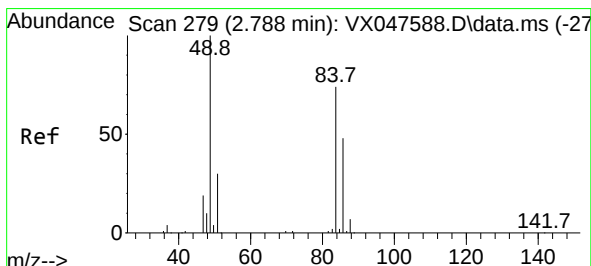
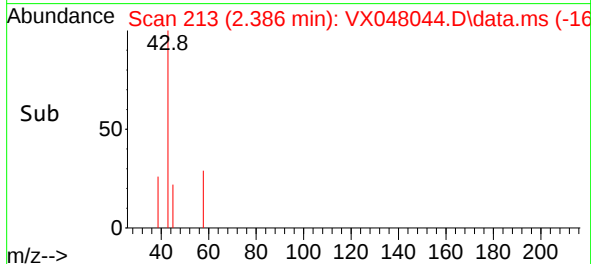
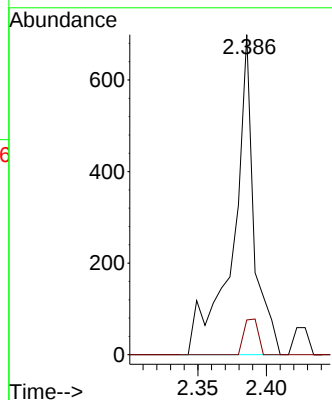
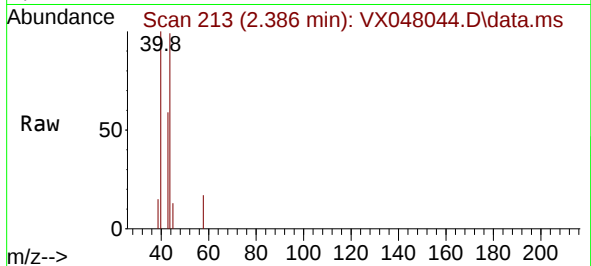




#16
Acetone
Concen: 0.741 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

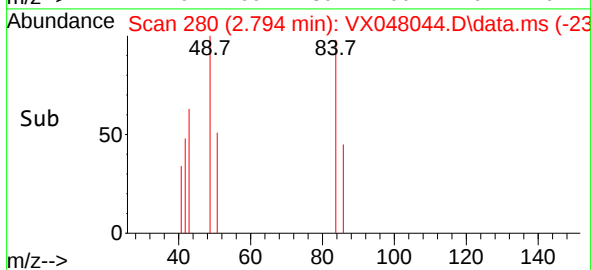
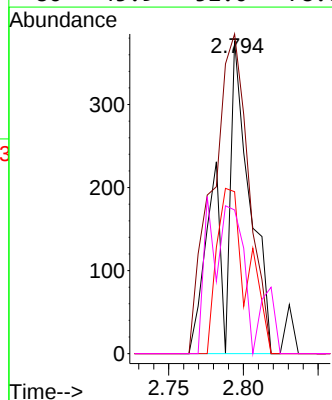
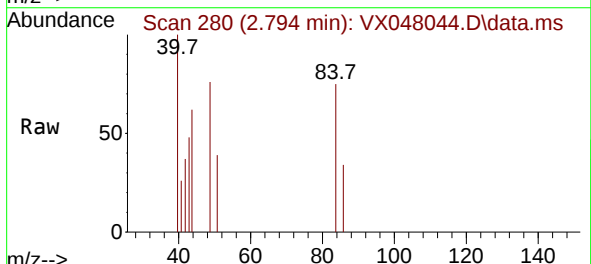
Instrument :
MSVOA_X
ClientSampleId :
IBLK

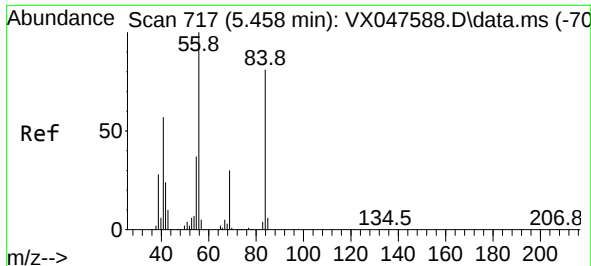
Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 33.9 23.4 35.0



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

Tgt Ion: 84 Resp: 494
Ion Ratio Lower Upper
84 100
49 102.1 108.6 162.8#
51 51.7 32.6 48.8#
86 45.9 52.0 78.0#

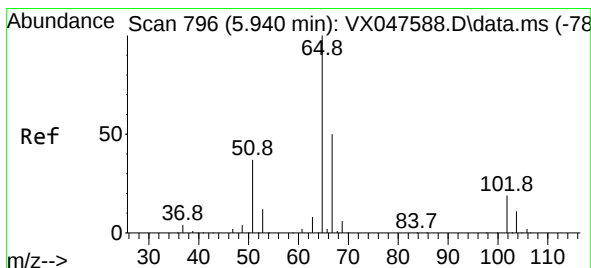
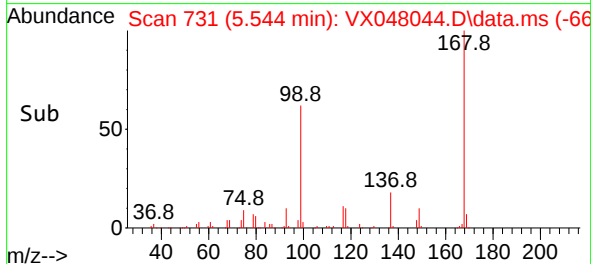
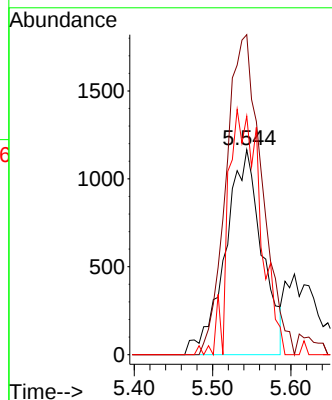
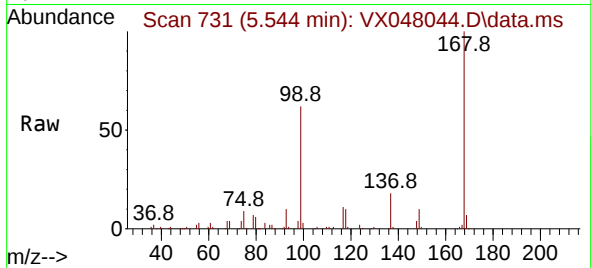




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

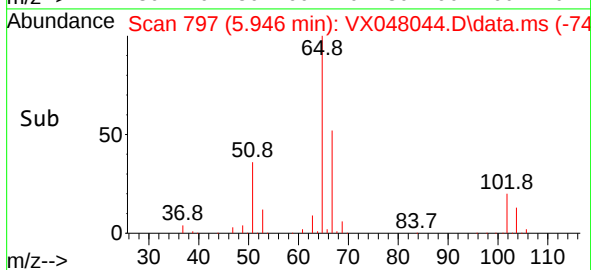
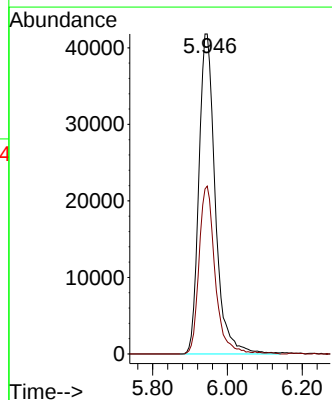
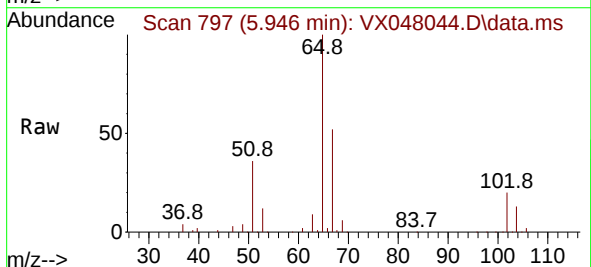
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 56 Resp: 3781
Ion Ratio Lower Upper
56 100
69 156.1 23.8 35.8#
84 116.4 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.492 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

Tgt Ion: 65 Resp: 127141
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0

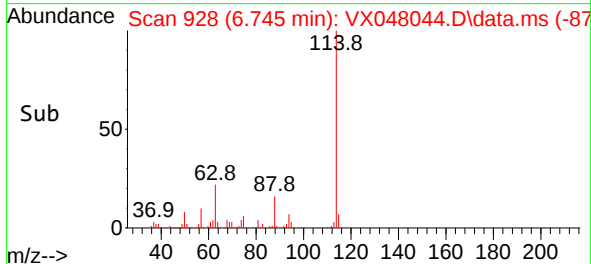
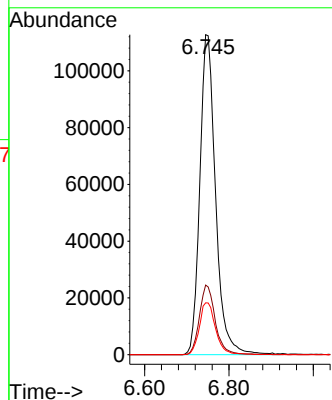
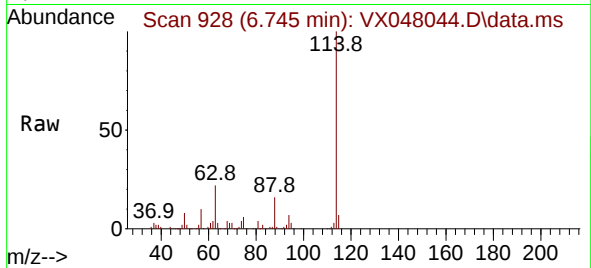




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

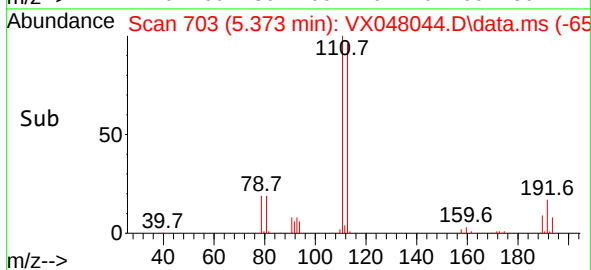
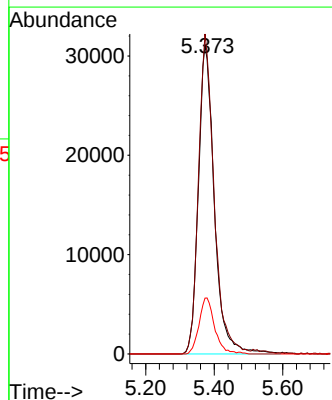
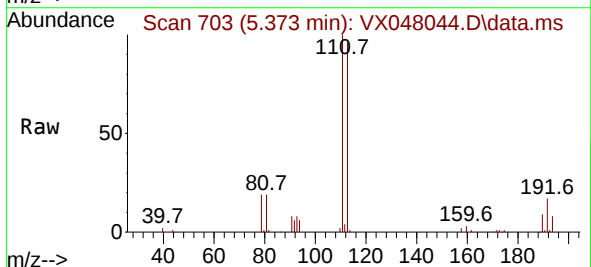
Instrument :
MSVOA_X
ClientSampleId :
IBLK

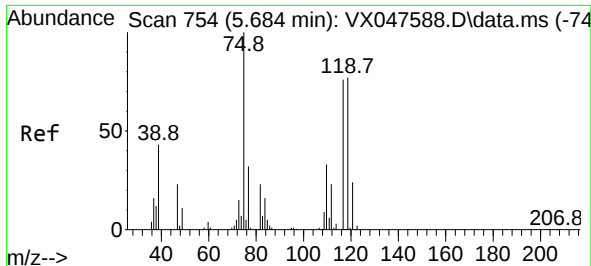
Tgt Ion:114 Resp: 293410
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.220 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

Tgt Ion:113 Resp: 100790
Ion Ratio Lower Upper
113 100
111 101.4 80.9 121.3
192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.251 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX048044.D

Acq: 07 Oct 2025 11:59

Instrument :

MSVOA_X

ClientSampleId :

IBLK

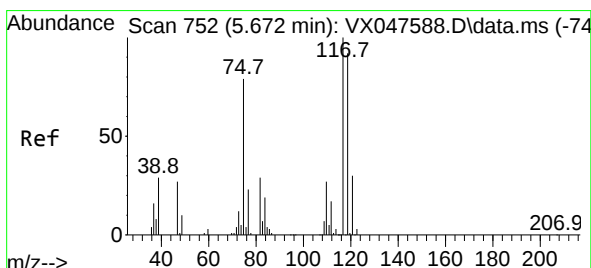
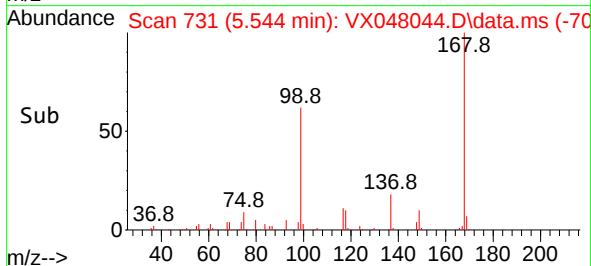
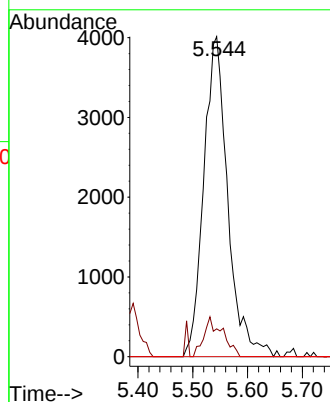
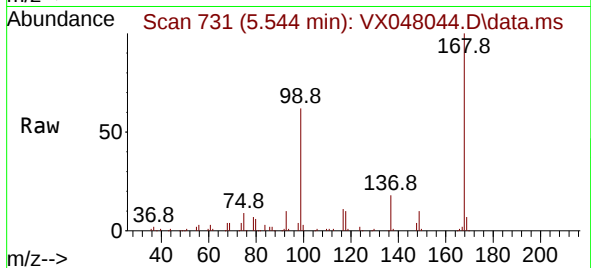
Tgt Ion: 75 Resp: 12224

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.837 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX048044.D

Acq: 07 Oct 2025 11:59

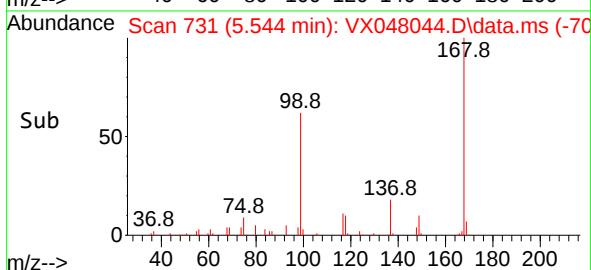
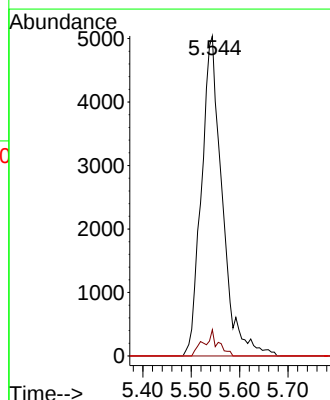
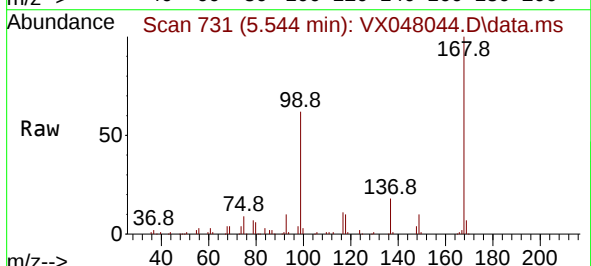
Tgt Ion: 117 Resp: 15112

Ion Ratio Lower Upper

117 100

119 8.2 73.4 110.2#

121 0.0 23.8 35.6#

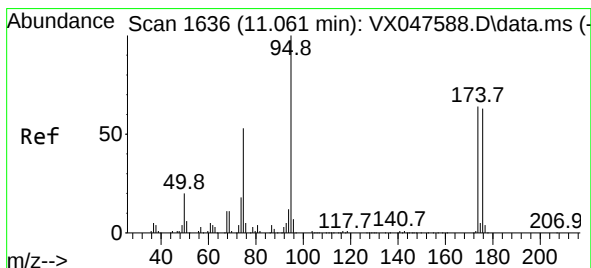
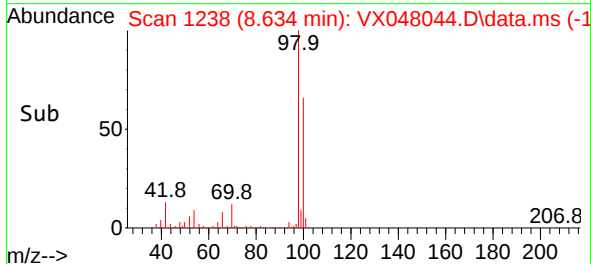
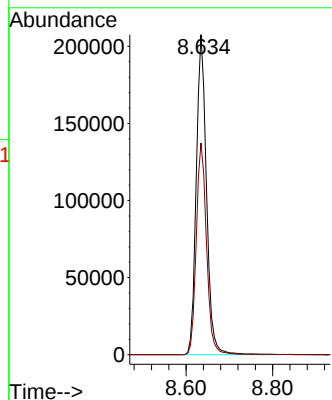
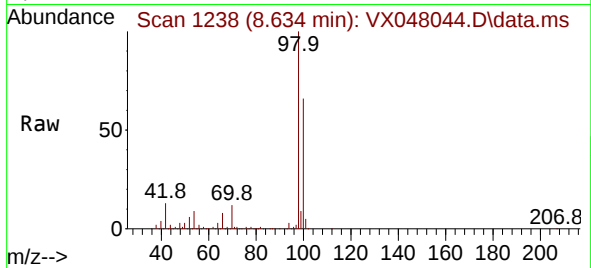




#50
Toluene-d8
Concen: 50.011 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

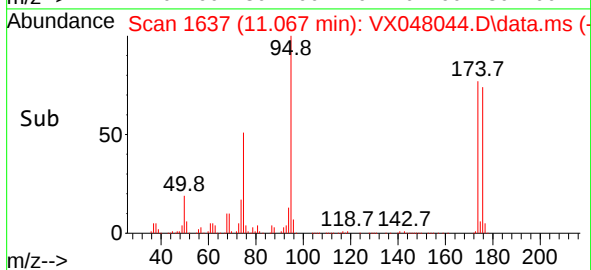
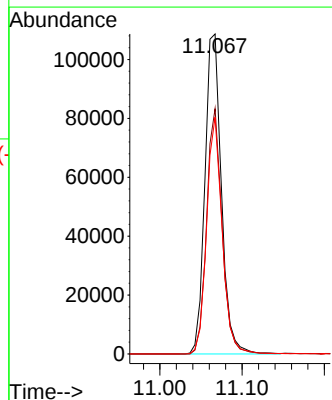
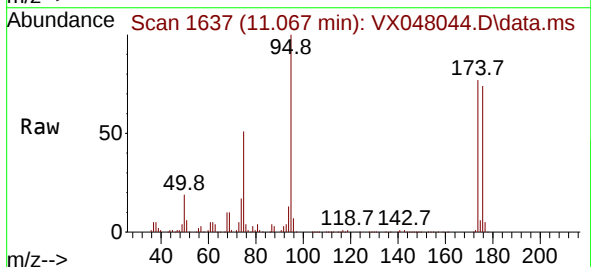
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 340519
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 58.589 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

Tgt Ion: 95 Resp: 151399
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 70.0 0.0 138.4

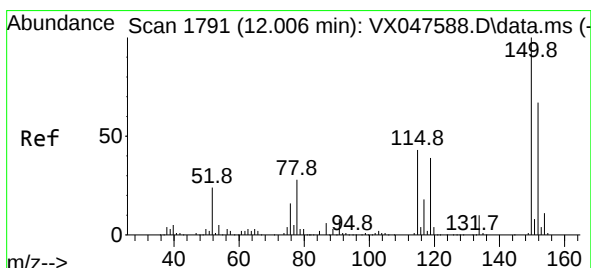
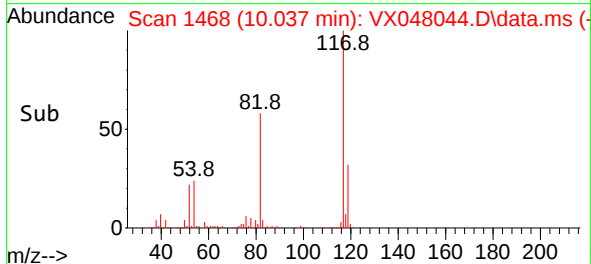
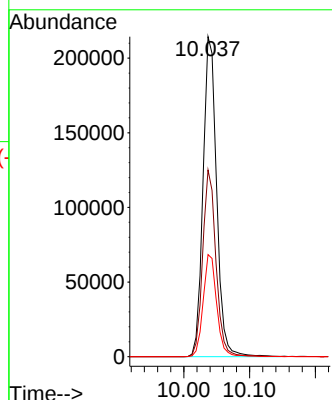
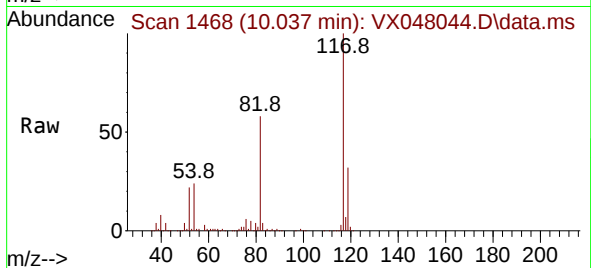




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

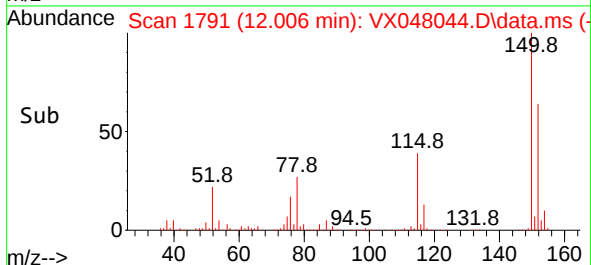
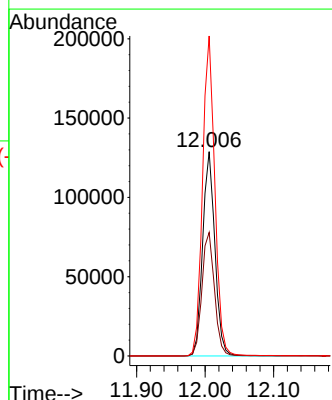
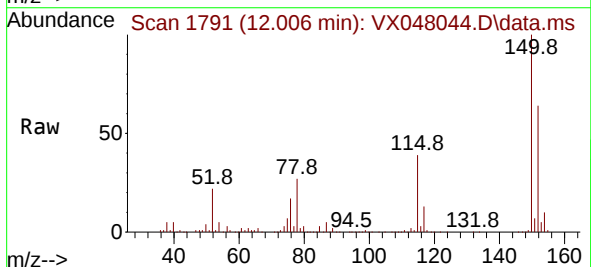
Instrument :
MSVOA_X
ClientSampleId :
IBLK

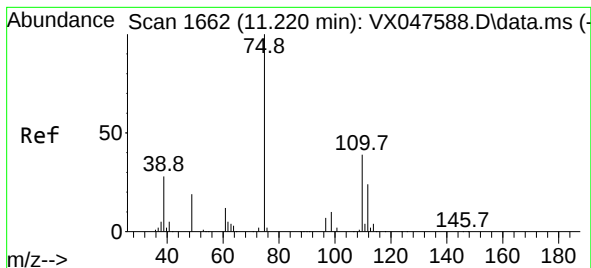
Tgt Ion:117 Resp: 308738
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.6
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048044.D
Acq: 07 Oct 2025 11:59

Tgt Ion:152 Resp: 160937
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 156.3 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 24.666 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX048044.D

Acq: 07 Oct 2025 11:59

Instrument :

MSVOA_X

ClientSampleId :

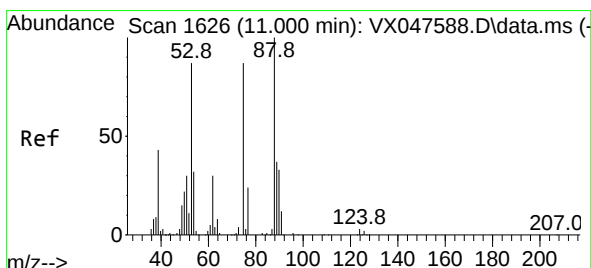
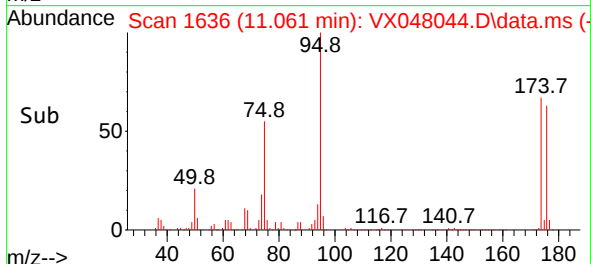
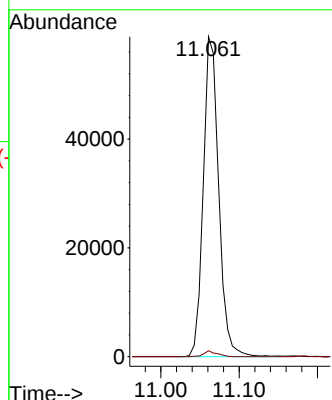
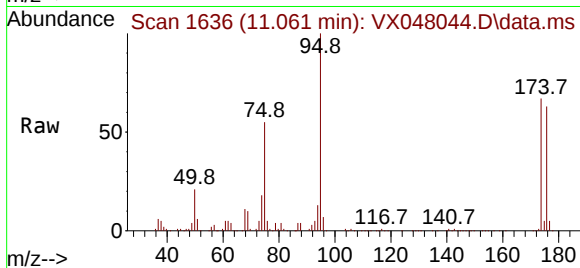
IBLK

Tgt Ion: 75 Resp: 80372

Ion Ratio Lower Upper

75 100

77 1.5 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.901 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048044.D

Acq: 07 Oct 2025 11:59

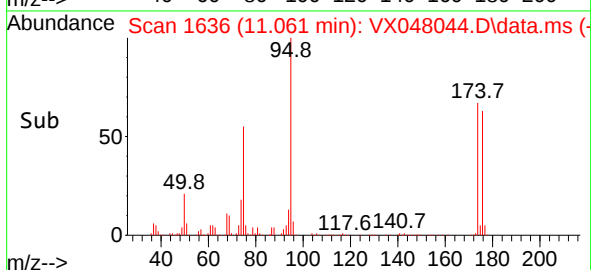
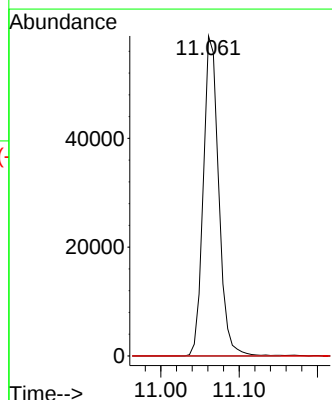
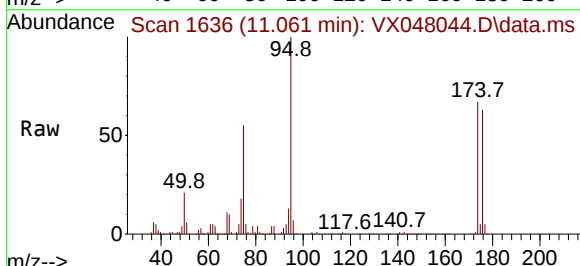
Tgt Ion: 75 Resp: 80372

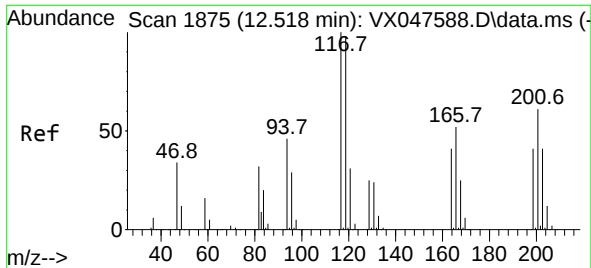
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#





#90
 Hexachloroethane
 Concen: 0.378 ug/l
 RT: 12.628 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VX048044.D
 Acq: 07 Oct 2025 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:117 Resp: 687
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.2 102.5#

