

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045097.D
 Acq On : 28 Feb 2025 18:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 28 23:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	75509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57278	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62373	51.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.860%
35) Dibromofluoromethane	5.379	113	51573	51.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.100%
50) Toluene-d8	8.646	98	183126	50.486	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.980%
62) 4-Bromofluorobenzene	11.079	95	61749	51.373	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.740%

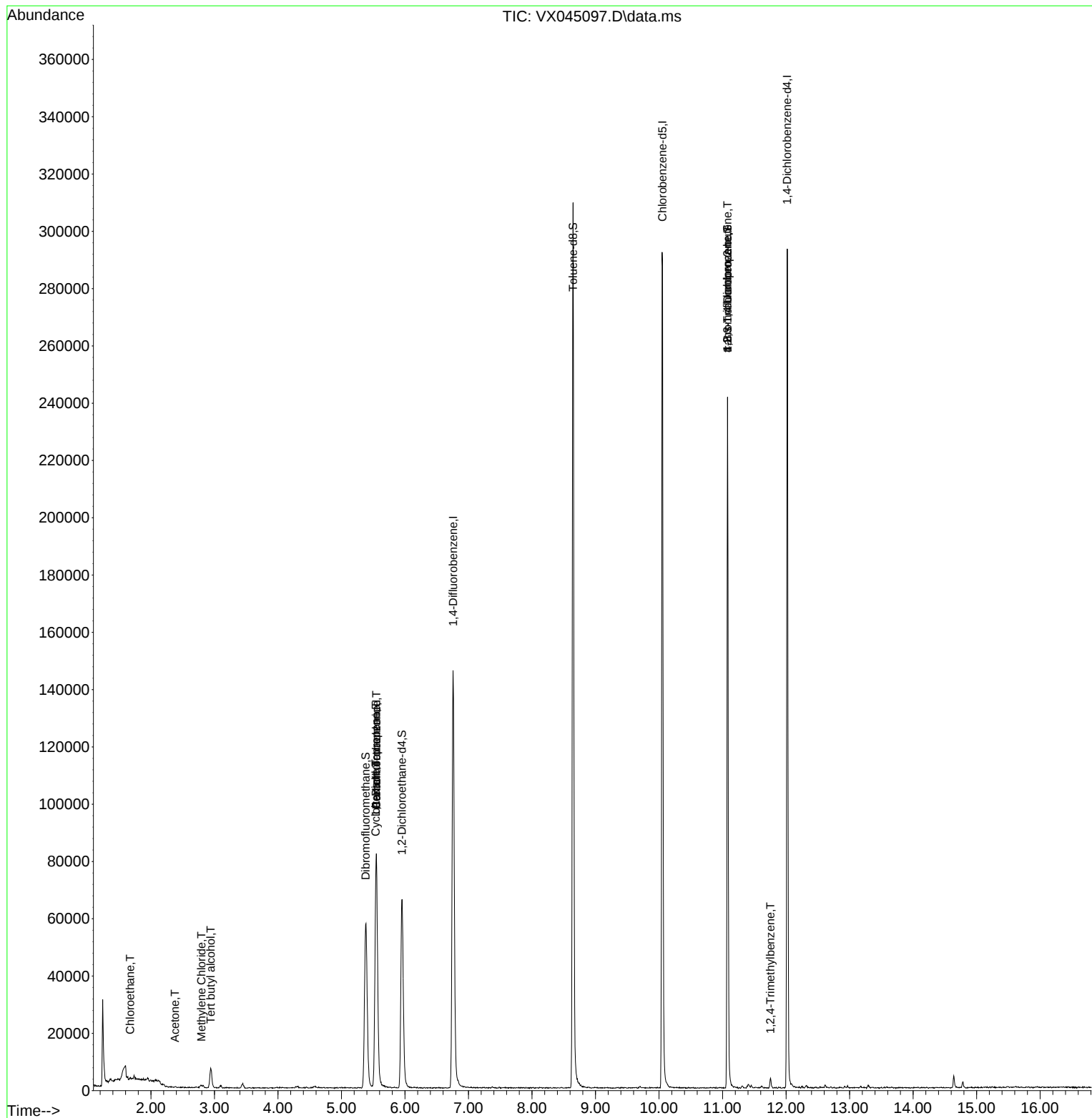
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	486	0.913	ug/l #	41
11) Tert butyl alcohol	2.940	59	4293	18.870	ug/l #	73
16) Acetone	2.379	43	446	0.800	ug/l #	44
20) Methylene Chloride	2.794	84	281	0.255	ug/l #	54
31) Cyclohexane	5.537	56	2092	1.280	ug/l #	58
36) 1,1-Dichloropropene	5.543	75	7077	5.158	ug/l #	50
38) Carbon Tetrachloride	5.549	117	8194	5.882	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	33504	25.131	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33504	86.004	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2039	0.561	ug/l	95

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

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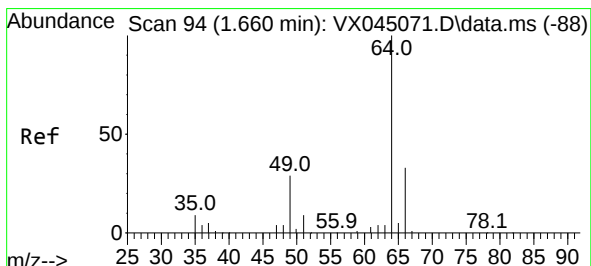
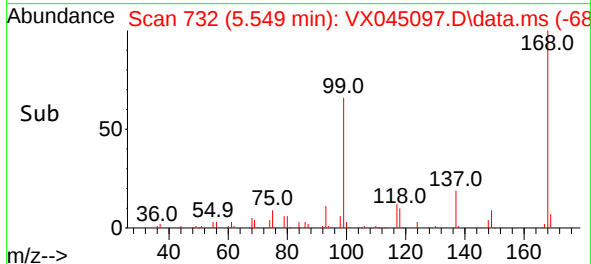
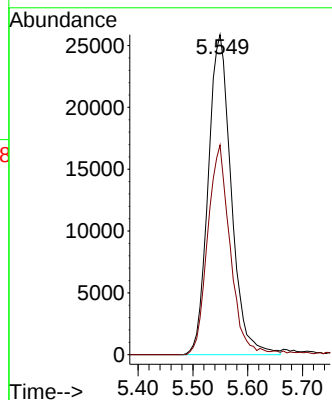
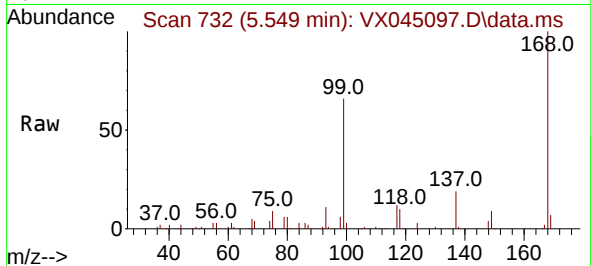




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

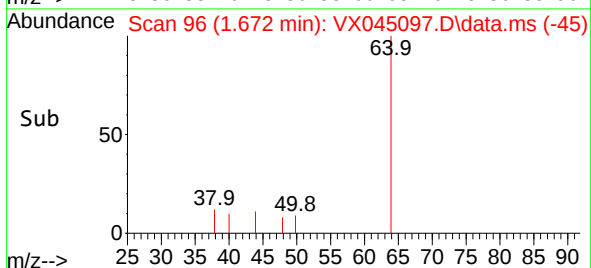
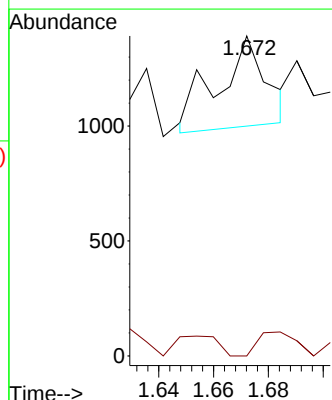
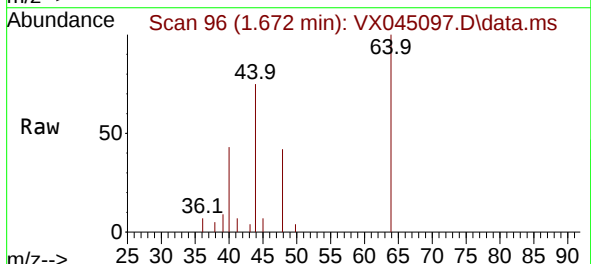
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 75509
Ion Ratio Lower Upper
168 100
99 65.5 48.2 72.4



#6
Chloroethane
Concen: 0.913 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

Tgt Ion: 64 Resp: 486
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

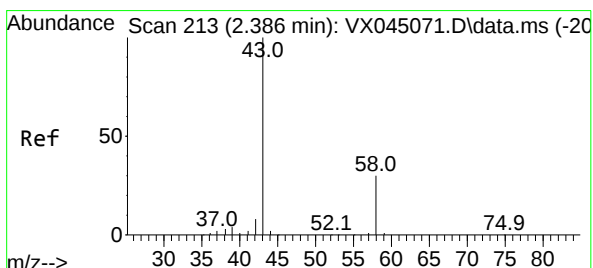
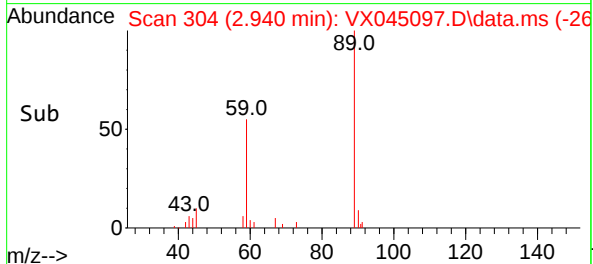
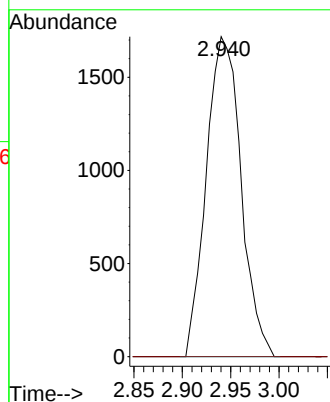
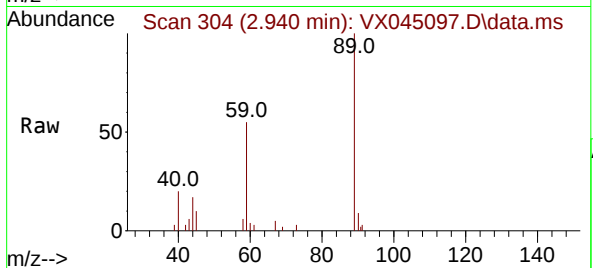




#11
Tert butyl alcohol
Concen: 18.870 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

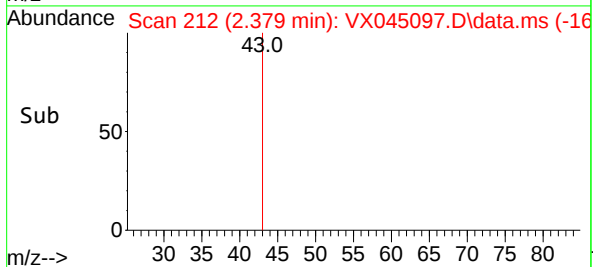
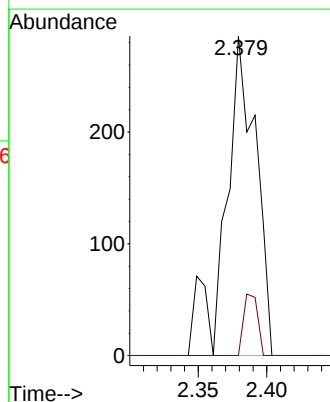
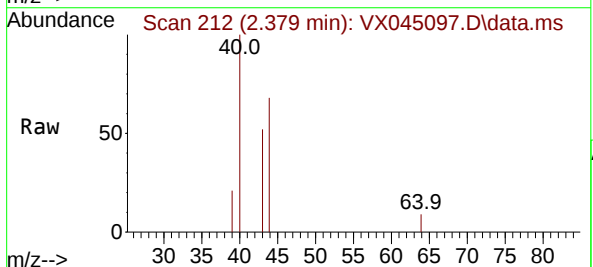
Instrument :
MSVOA_X
ClientSampleId :
IBLK

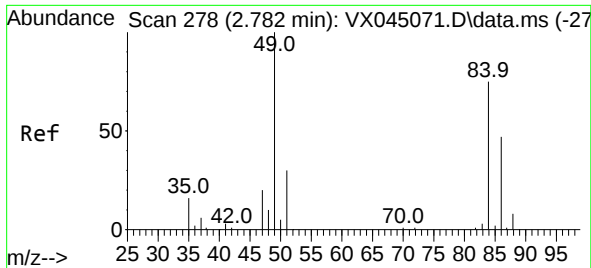
Tgt Ion: 59 Resp: 4293
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 0.800 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#

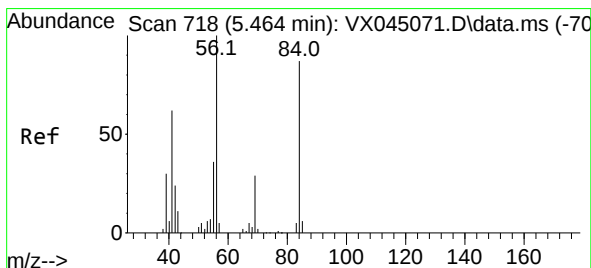
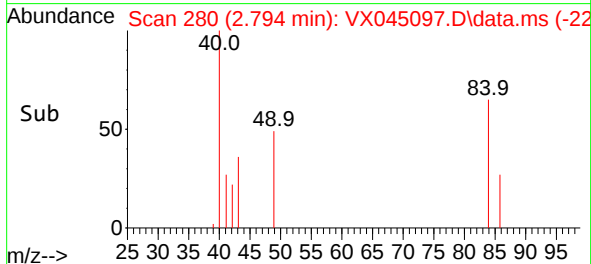
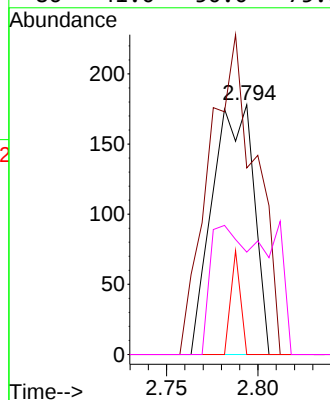
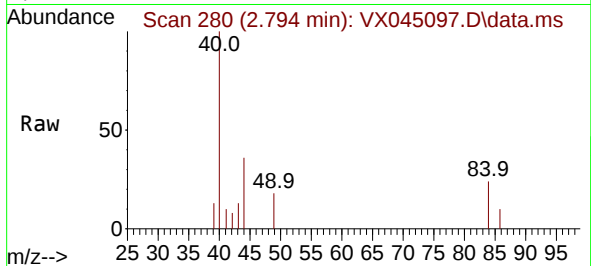




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

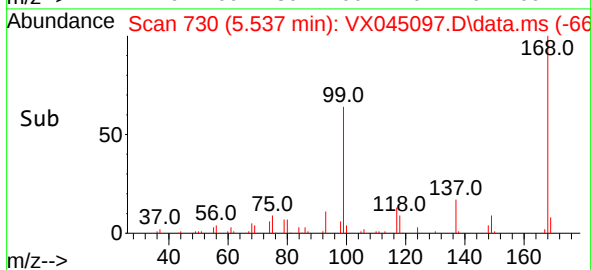
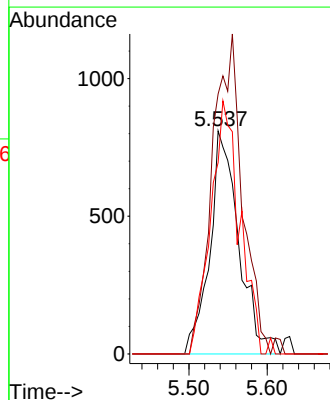
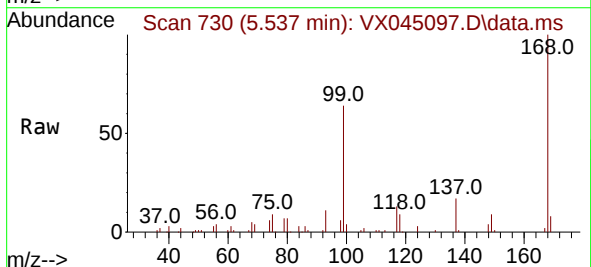
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	84	Resp:	281
Ion	Ratio	Lower	Upper
84	100		
49	74.7	106.5	159.7#
51	0.0	32.1	48.1#
86	41.0	50.0	75.0#



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

Tgt Ion:	56	Resp:	2092
Ion	Ratio	Lower	Upper
56	100		
69	116.5	23.4	35.2#
84	85.8	69.4	104.2





#33

1,2-Dichloroethane-d4

Concen: 51.931 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045097.D

Acq: 28 Feb 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

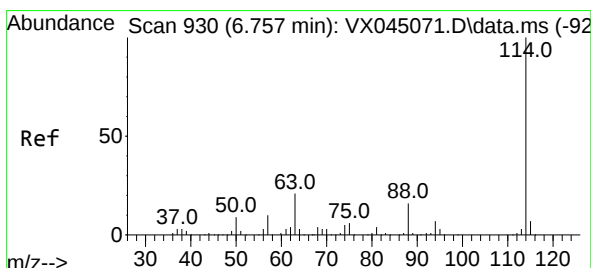
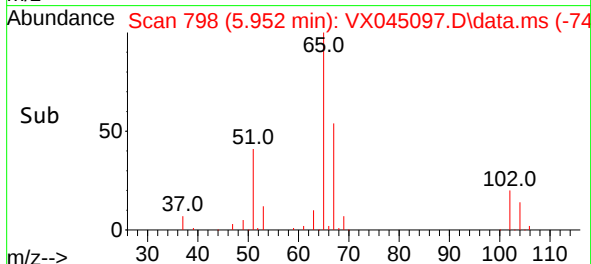
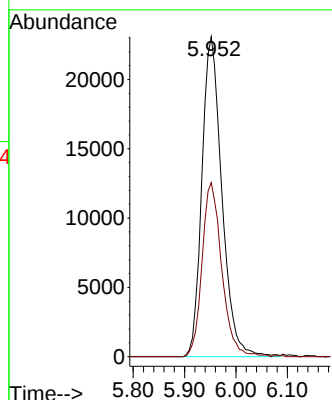
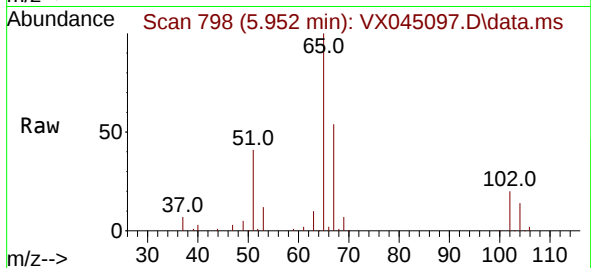
IBLK

Tgt Ion: 65 Resp: 62373

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045097.D

Acq: 28 Feb 2025 18:27

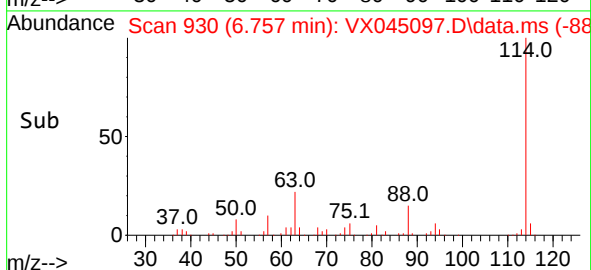
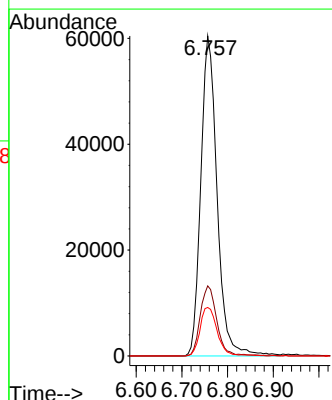
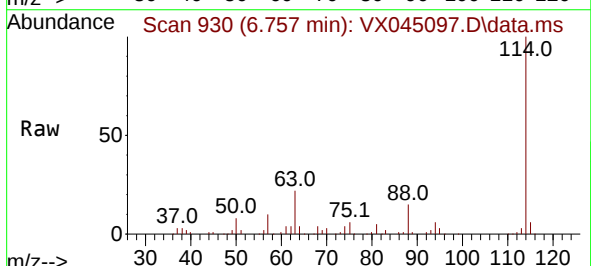
Tgt Ion: 114 Resp: 149629

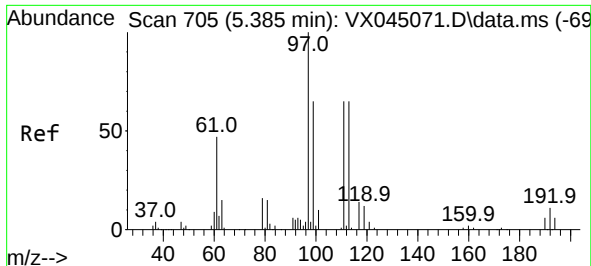
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.1 0.0 32.8

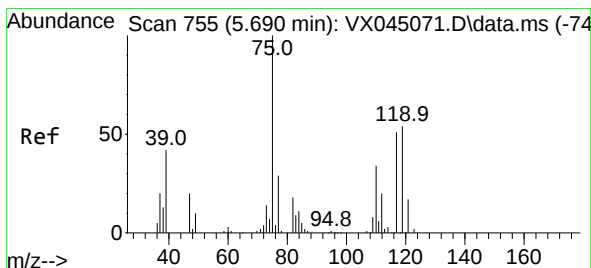
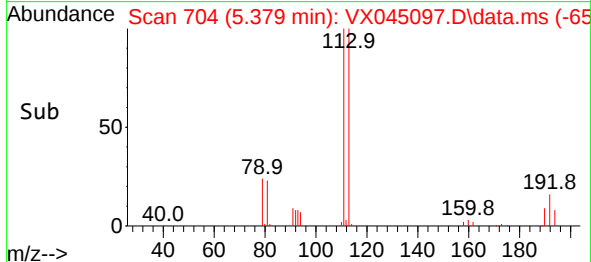
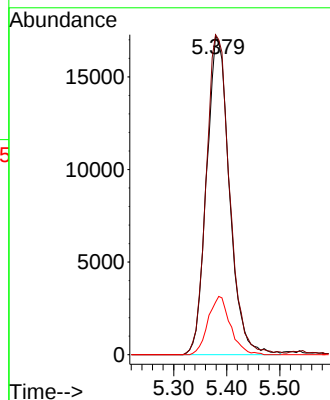
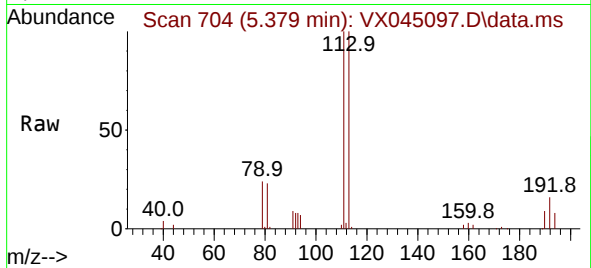




#35
Dibromofluoromethane
Concen: 51.546 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

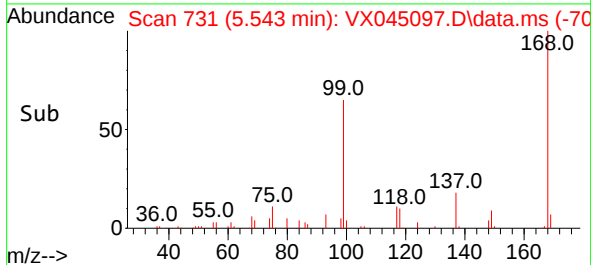
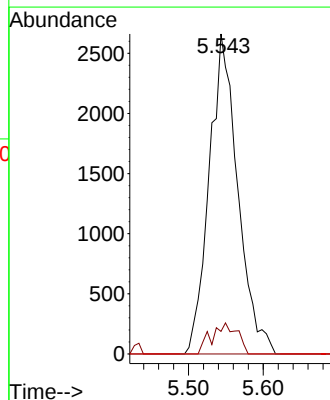
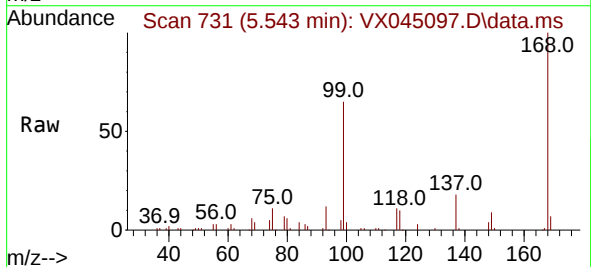
Instrument :
MSVOA_X
ClientSampleId :
IBLK

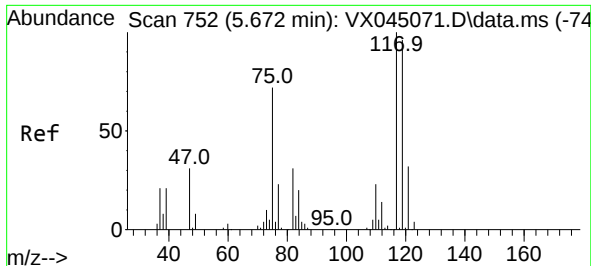
Tgt Ion:113 Resp: 51573
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 17.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.158 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

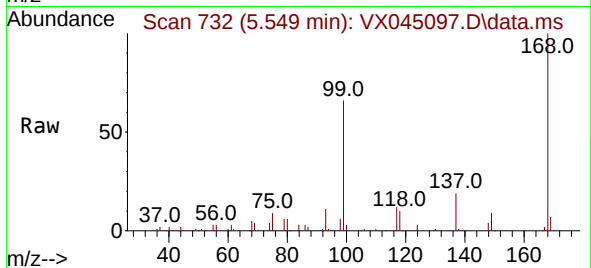
Tgt Ion: 75 Resp: 7077
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.6#
77 0.0 24.5 36.7#



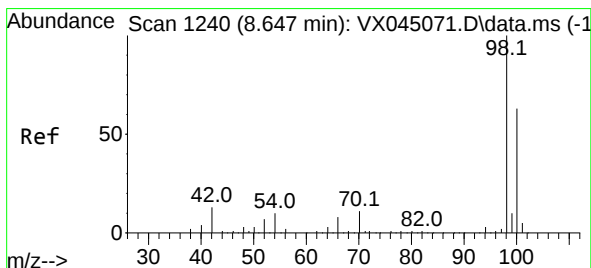
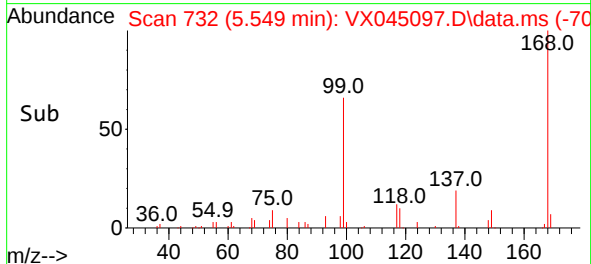
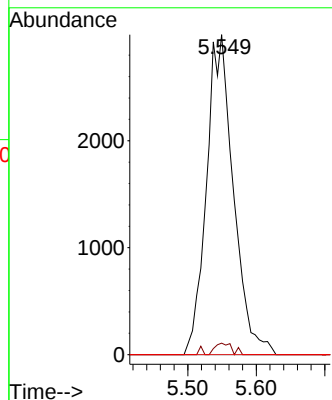


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

Instrument :
MSVOA_X
ClientSampleId :
IBLK

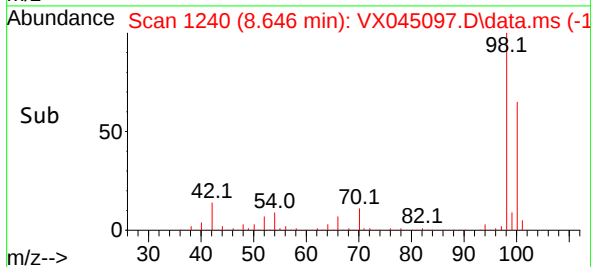
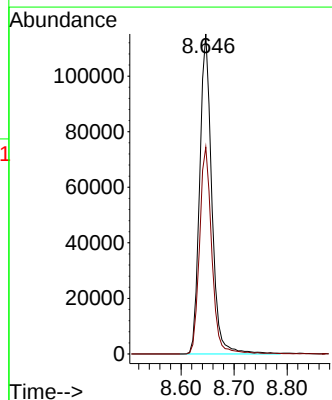
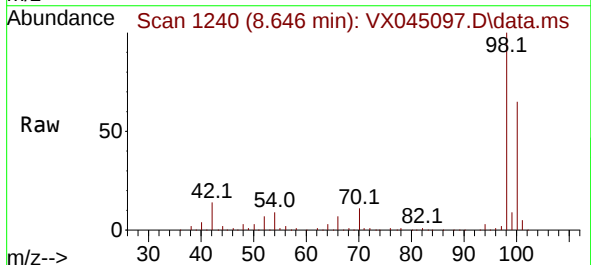


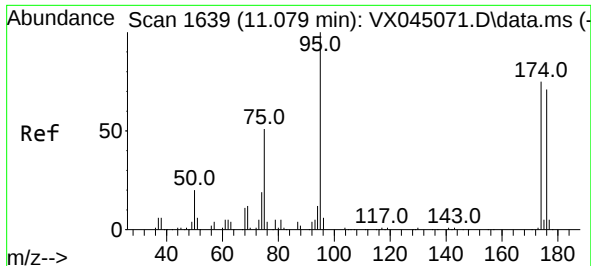
Tgt Ion:117 Resp: 8194
Ion Ratio Lower Upper
117 100
119 3.6 76.7 115.1#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 50.486 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045097.D
Acq: 28 Feb 2025 18:27

Tgt Ion: 98 Resp: 183126
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 51.373 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045097.D

Acq: 28 Feb 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

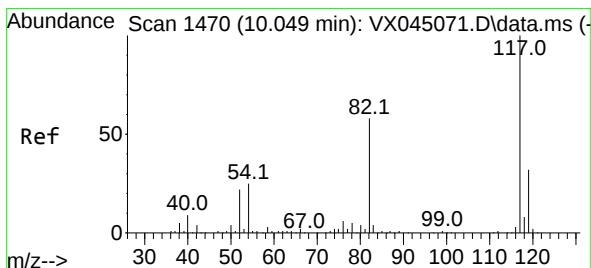
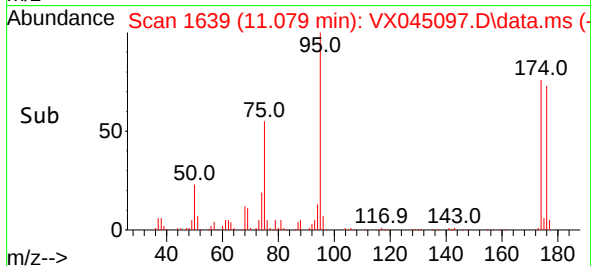
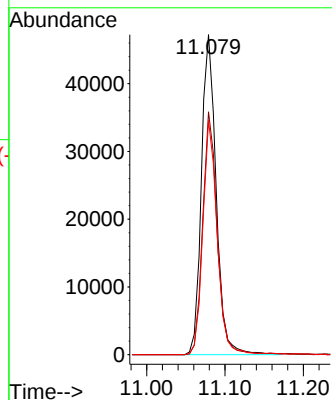
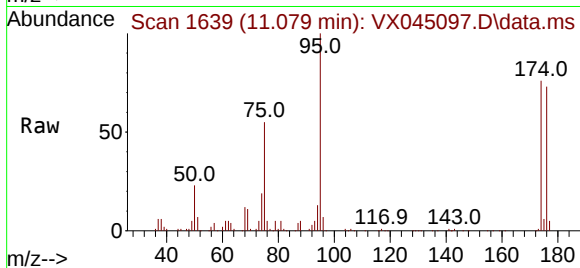
Tgt Ion: 95 Resp: 61749

Ion Ratio Lower Upper

95 100

174 75.0 0.0 148.2

176 71.5 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045097.D

Acq: 28 Feb 2025 18:27

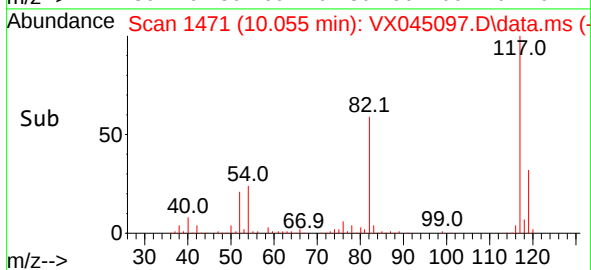
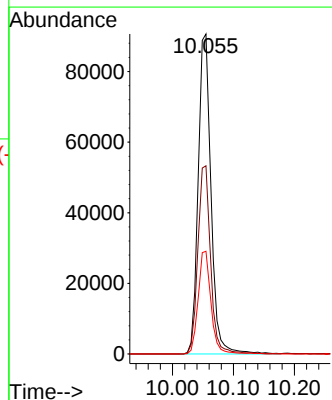
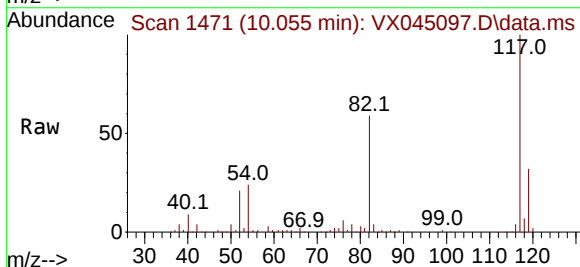
Tgt Ion: 117 Resp: 132658

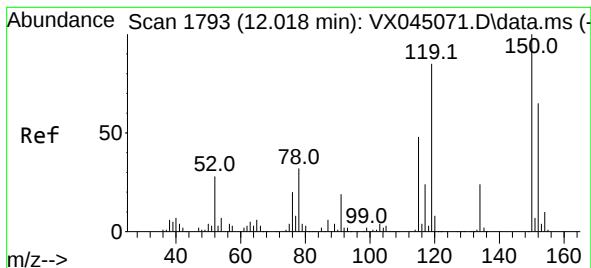
Ion Ratio Lower Upper

117 100

82 58.8 46.3 69.5

119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045097.D

Acq: 28 Feb 2025 18:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

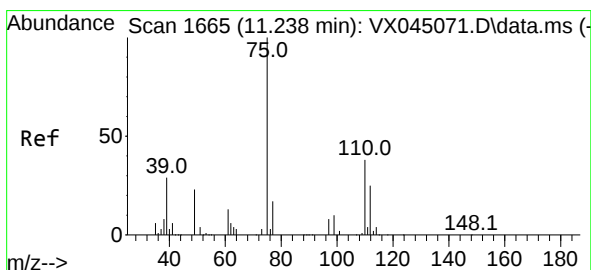
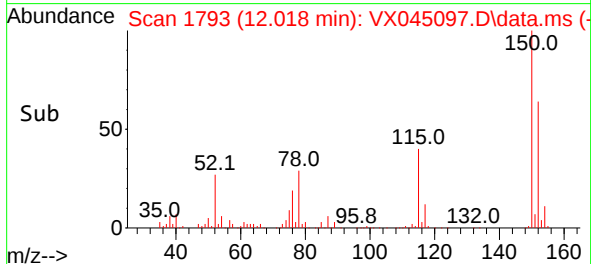
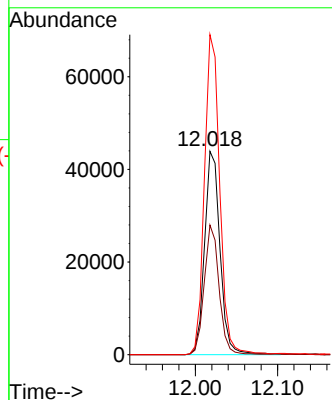
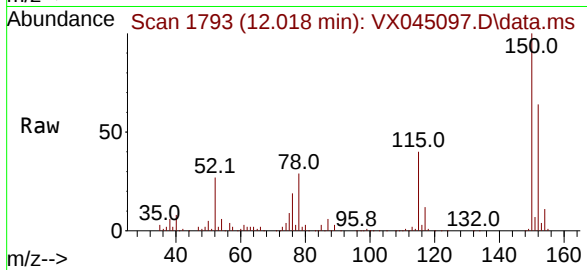
Tgt Ion:152 Resp: 57278

Ion Ratio Lower Upper

152 100

115 61.4 44.2 132.6

150 155.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.131 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045097.D

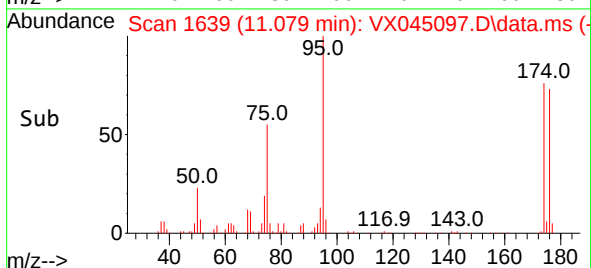
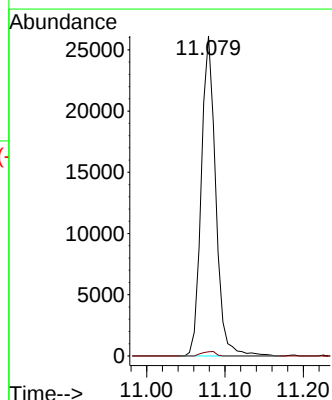
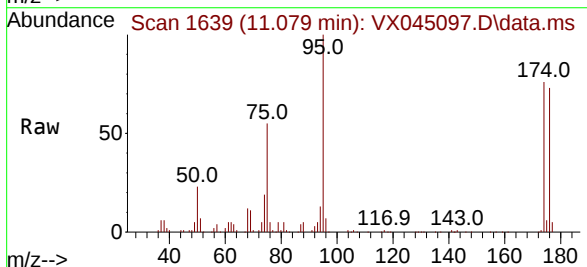
Acq: 28 Feb 2025 18:27

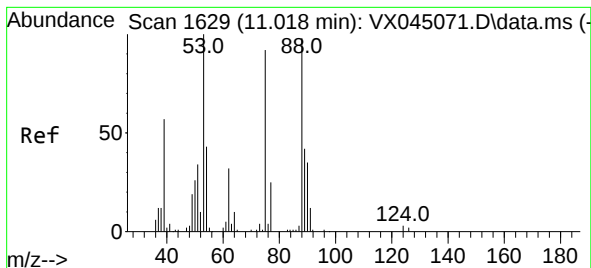
Tgt Ion: 75 Resp: 33504

Ion Ratio Lower Upper

75 100

77 1.3 20.7 62.1#

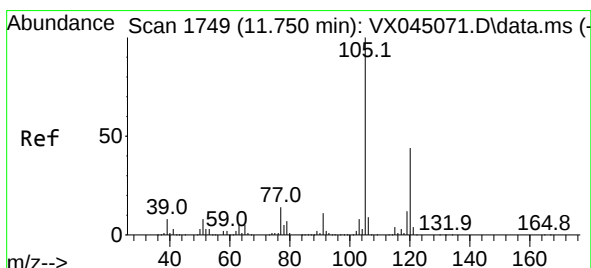
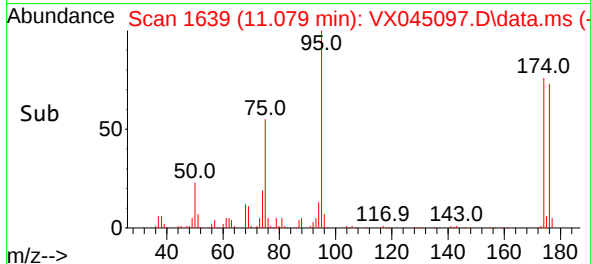
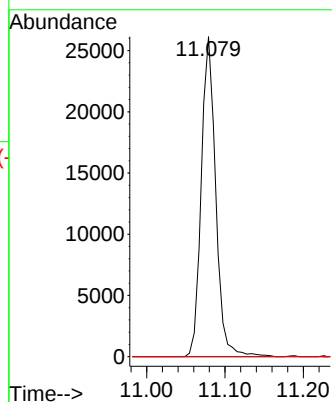
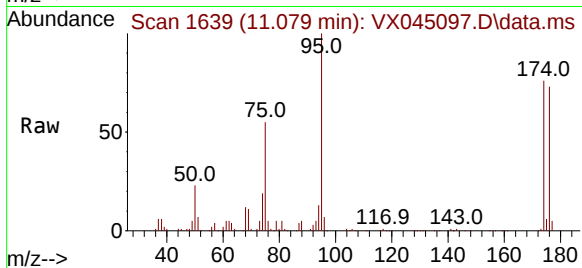




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.004 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045097.D
 Acq: 28 Feb 2025 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 33504
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.561 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX045097.D
 Acq: 28 Feb 2025 18:27

Tgt Ion: 105 Resp: 2039
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.1 66.1

