

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045034.D
 Acq On : 25 Feb 2025 13:21
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 26 03:15:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

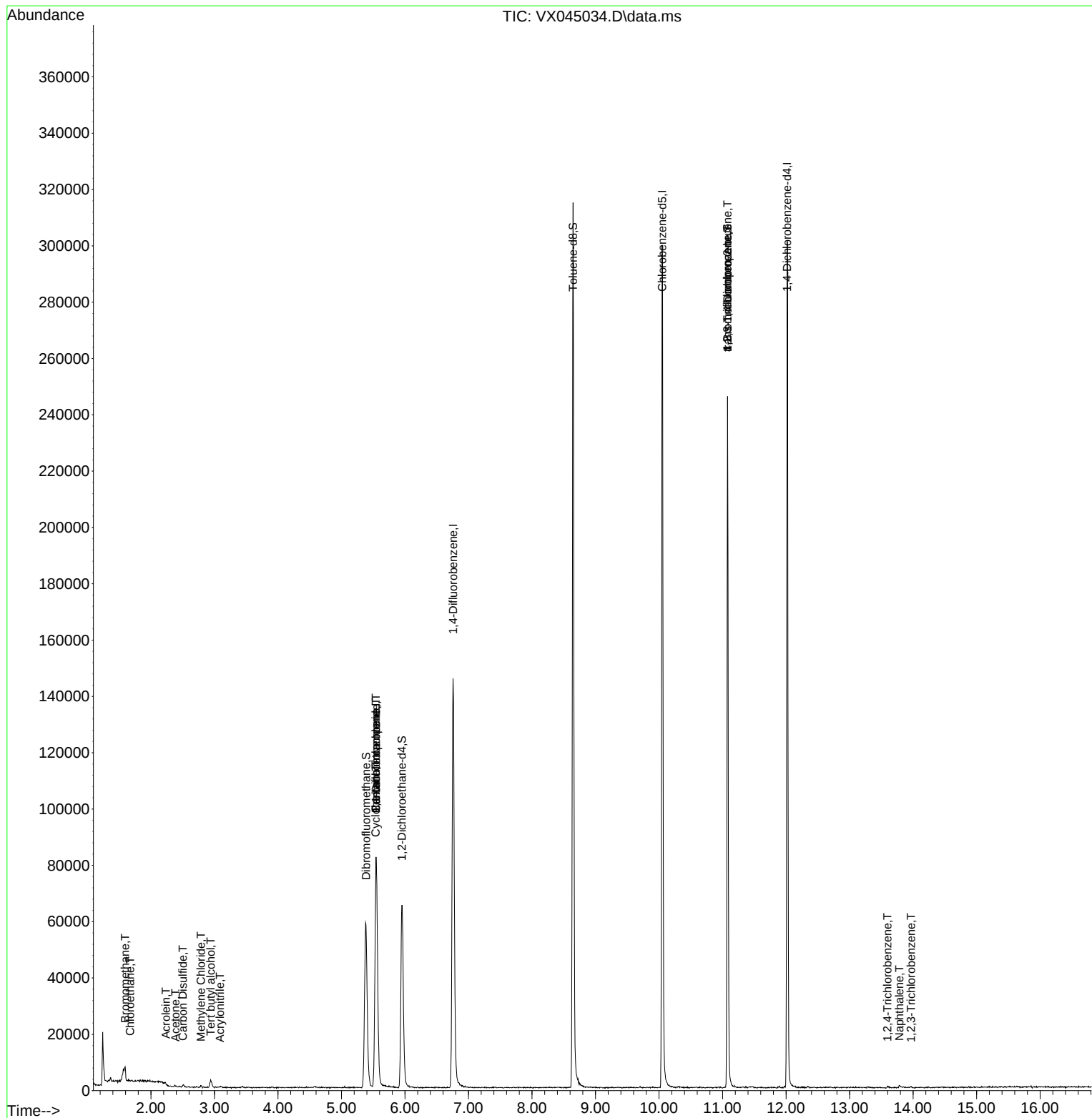
Internal Standards						
1) Pentafluorobenzene	5.544	168	76356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61937	55.414	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.820%	
35) Dibromofluoromethane	5.385	113	51886	52.796	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.600%	
50) Toluene-d8	8.647	98	188565	50.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	11.079	95	63901	51.005	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.020%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	174	0.460	ug/l #	77
6) Chloroethane	1.672	64	268	1.779	ug/l #	42
11) Tert butyl alcohol	2.940	59	1418	6.839	ug/l #	73
13) Acrolein	2.233	56	211	0.986	ug/l #	73
15) Acrylonitrile	3.087	53	169	0.305	ug/l #	57
16) Acetone	2.386	43	394	0.877	ug/l	94
17) Carbon Disulfide	2.502	76	865	0.321	ug/l #	84
20) Methylene Chloride	2.788	84	364	0.331	ug/l #	64
31) Cyclohexane	5.538	56	1889	1.088	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6685	4.715	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8342	6.004	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	33653	25.556	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	33653	65.740	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.597	180	265	0.223	ug/l #	71
95) Naphthalene	13.786	128	1305	0.304	ug/l #	77
96) 1,2,3-Trichlorobenzene	13.969	180	250	0.209	ug/l #	72

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

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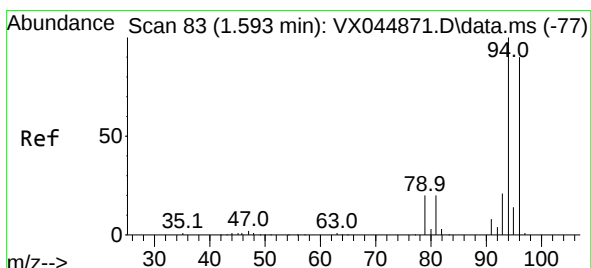
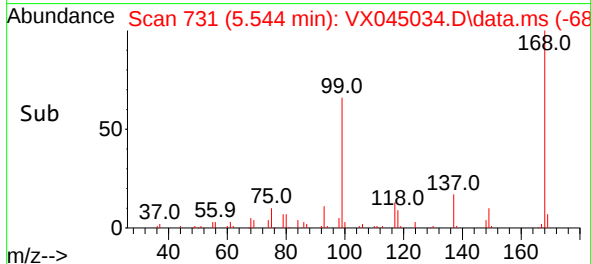
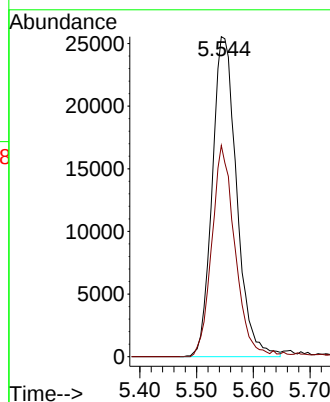
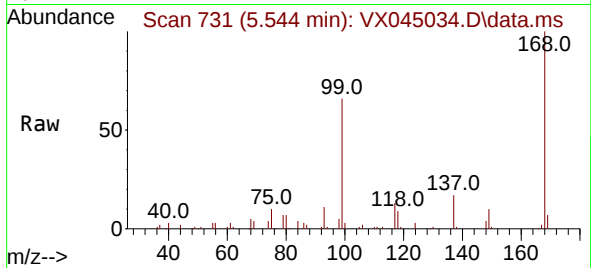




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

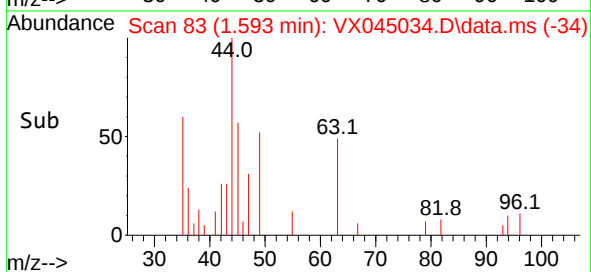
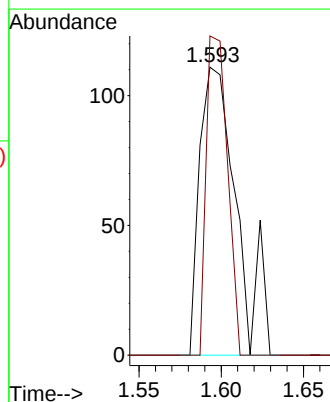
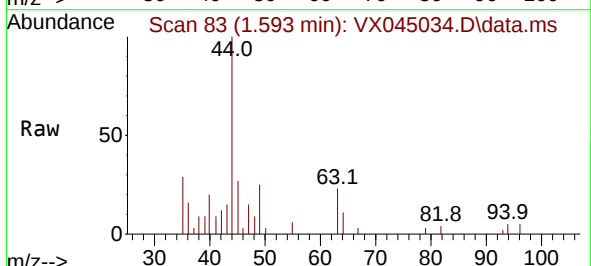
Instrument :
MSVOA_X
ClientSampleId :
IBLK

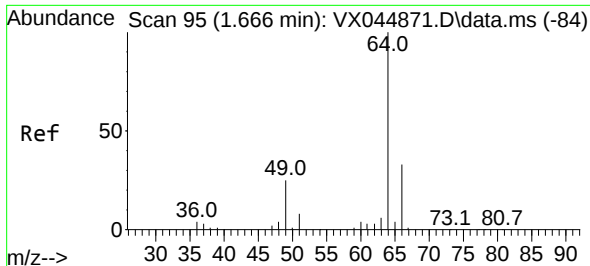
Tgt Ion:168 Resp: 76356
Ion Ratio Lower Upper
168 100
99 66.0 51.2 76.8



#5
Bromomethane
Concen: 0.460 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 110.8 71.6 107.4#

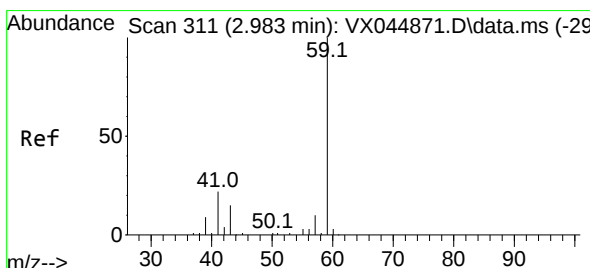
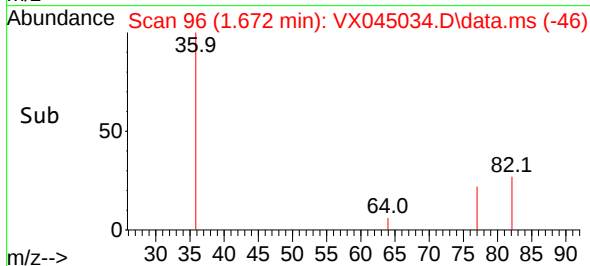
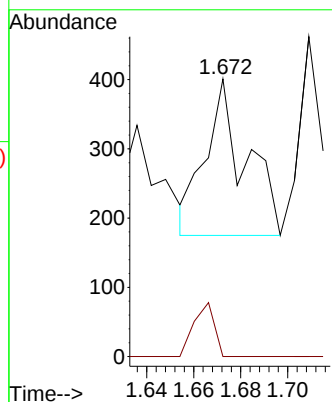
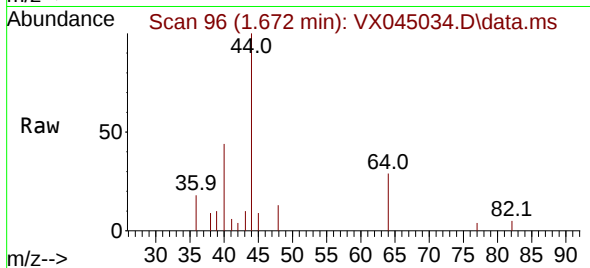




#6
Chloroethane
Concen: 1.779 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

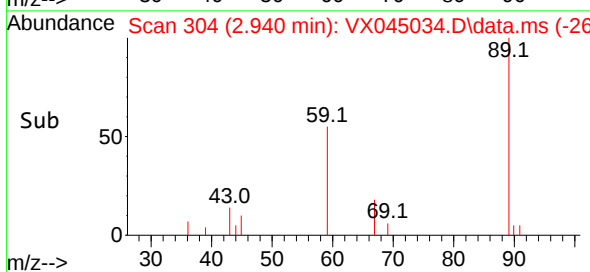
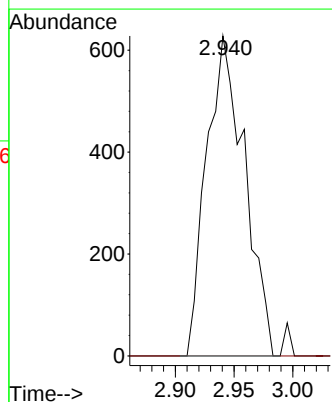
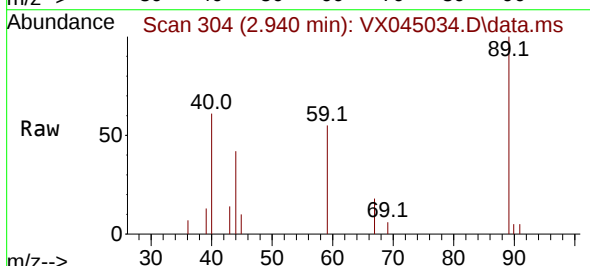
Instrument :
MSVOA_X
ClientSampleId :
IBLK

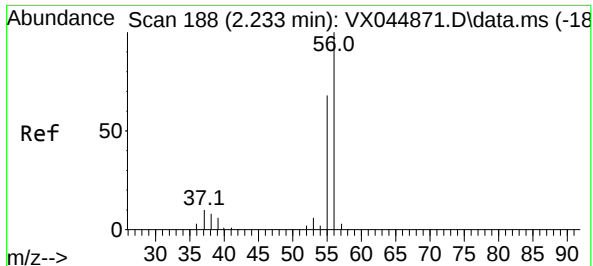
Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 6.839 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 59 Resp: 1418
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

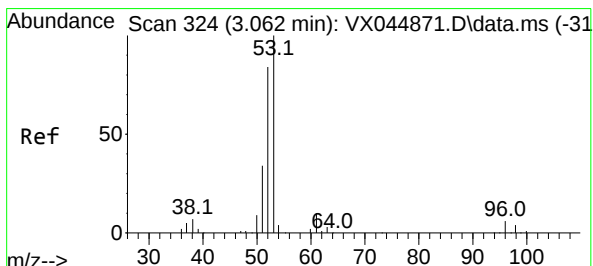
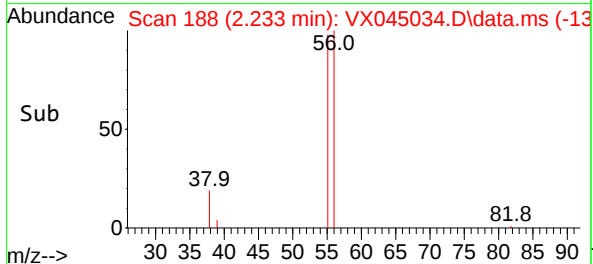
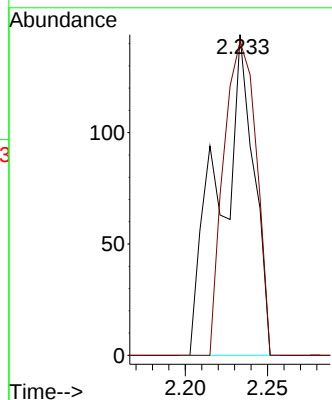
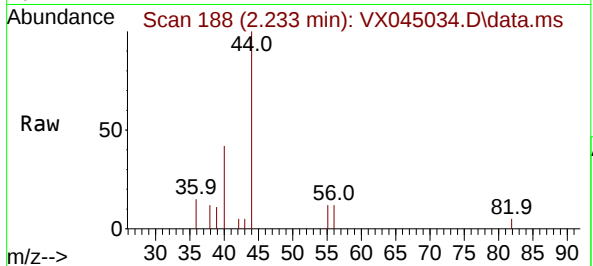




#13
Acrolein
Concen: 0.986 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

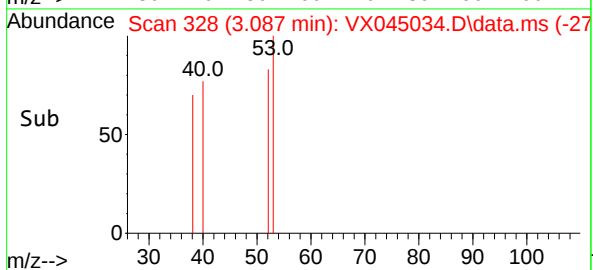
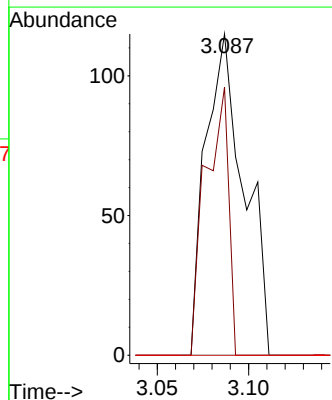
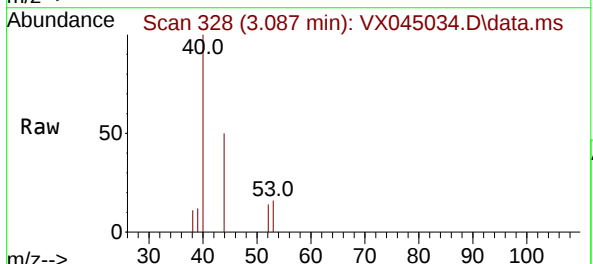
Instrument :
MSVOA_X
ClientSampleId :
IBLK

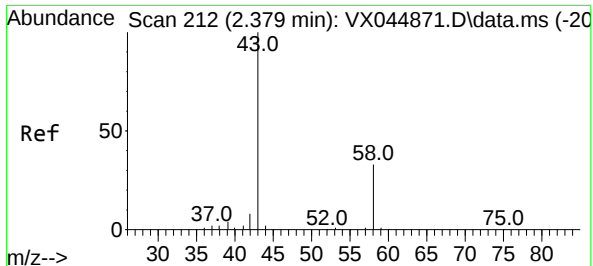
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 91.9 55.7 83.5#



#15
Acrylonitrile
Concen: 0.305 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.025 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 53 Resp: 169
Ion Ratio Lower Upper
53 100
52 49.7 65.0 97.6#
51 0.0 28.0 42.0#

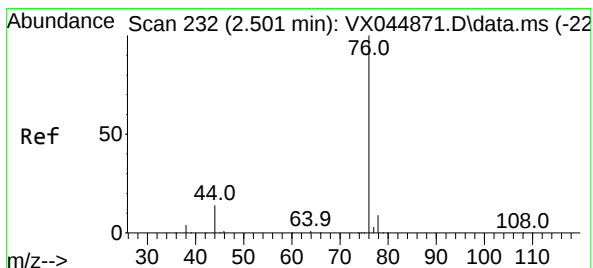
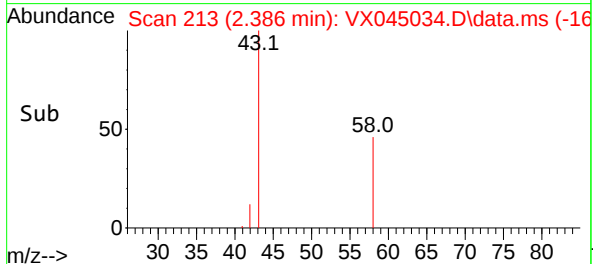
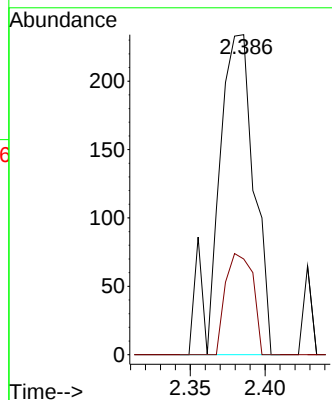
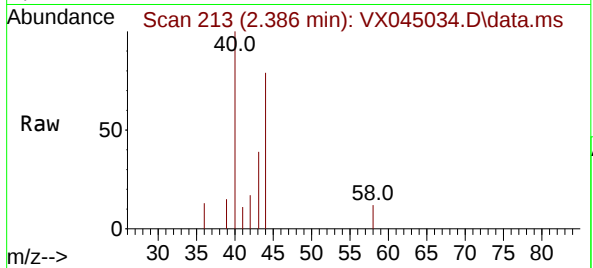




#16
Acetone
Concen: 0.877 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

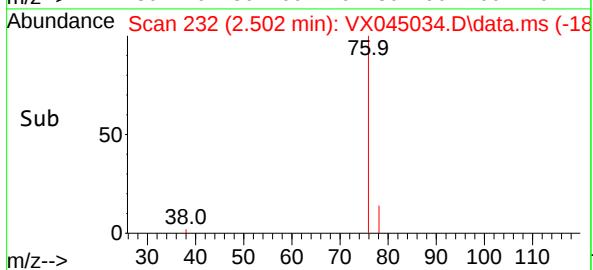
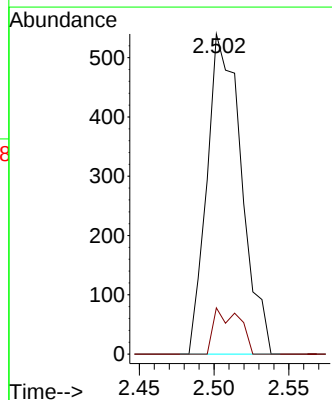
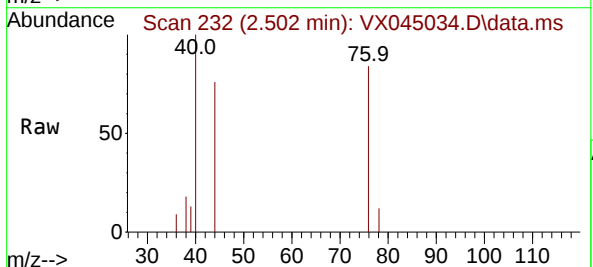
Instrument :
MSVOA_X
ClientSampleId :
IBLK

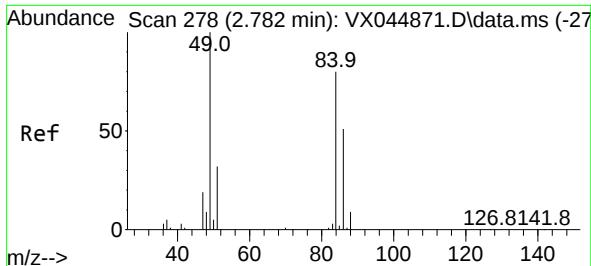
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 29.9 26.5 39.7



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 76 Resp: 865
Ion Ratio Lower Upper
76 100
78 14.4 7.0 10.4#

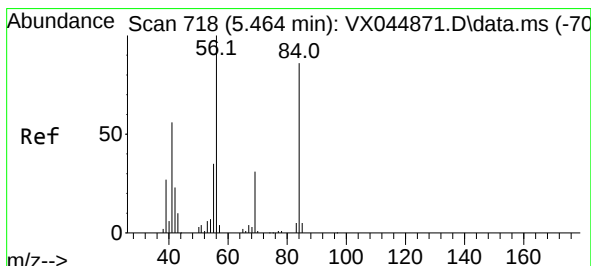
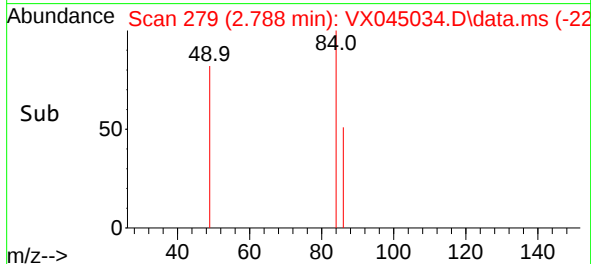
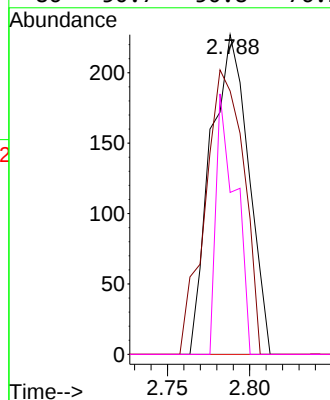
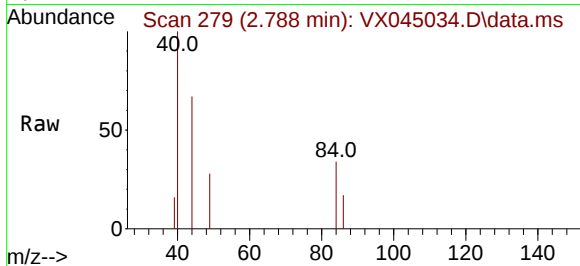




#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

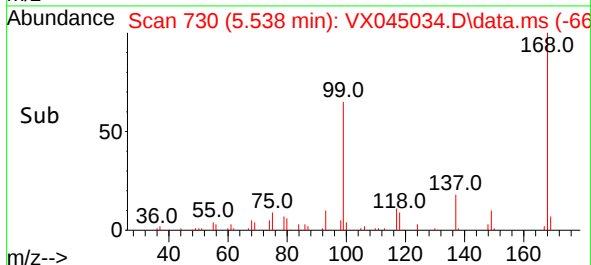
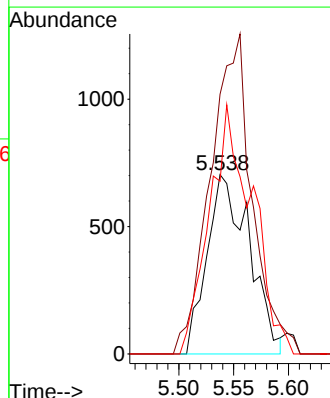
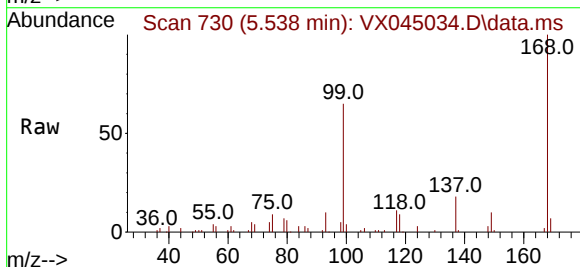
Instrument :
MSVOA_X
ClientSampleId :
IBLK

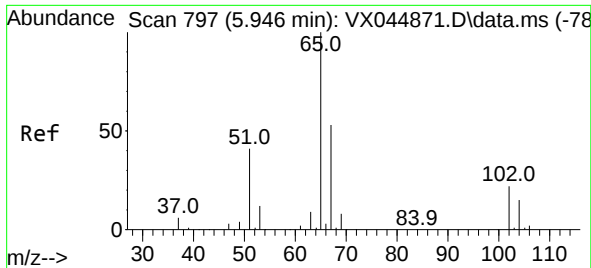
Tgt Ion:	84	Resp:	364
Ion	Ratio	Lower	Upper
84	100		
49	82.4	100.1	150.1#
51	0.0	31.7	47.5#
86	50.7	50.8	76.2#



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion:	56	Resp:	1889
Ion	Ratio	Lower	Upper
56	100		
69	133.1	24.4	36.6#
84	96.3	69.0	103.6

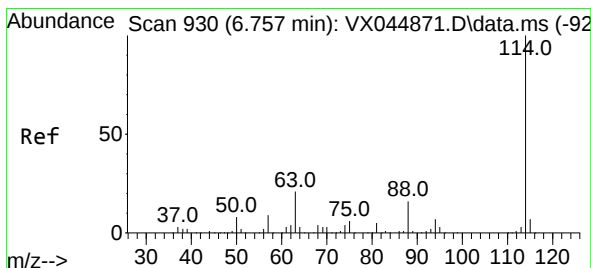
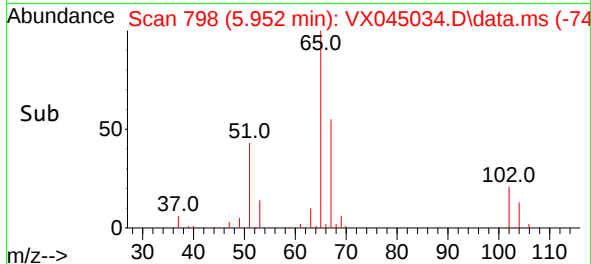
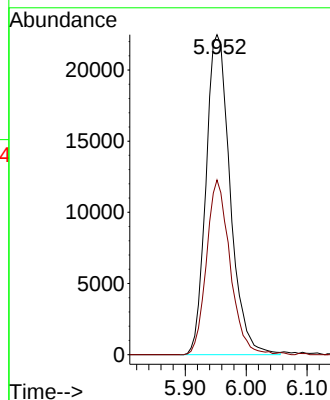
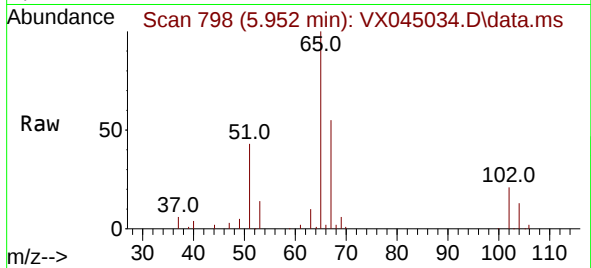




#33
 1,2-Dichloroethane-d4
 Concen: 55.414 ug/l
 RT: 5.952 min Scan# 79
 Delta R.T. 0.006 min
 Lab File: VX045034.D
 Acq: 25 Feb 2025 13:21

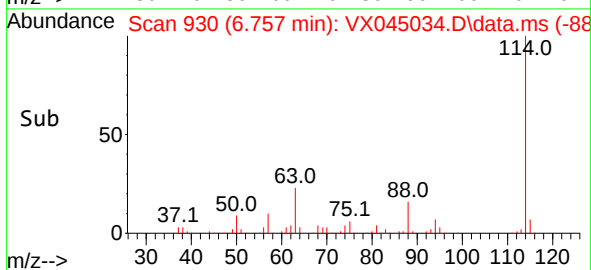
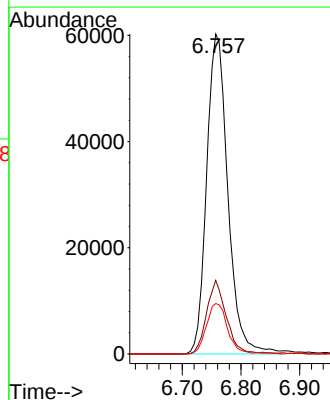
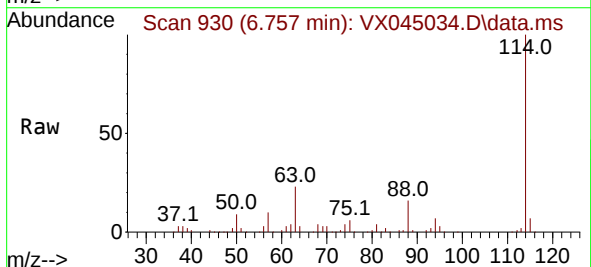
Instrument :
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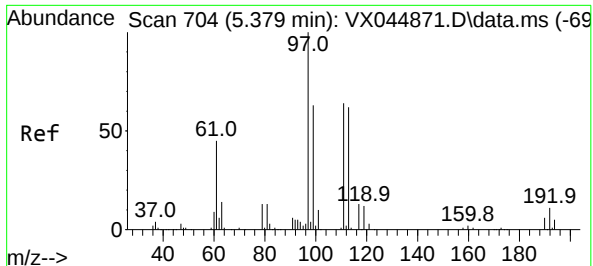
Tgt Ion: 65 Resp: 61937
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045034.D
 Acq: 25 Feb 2025 13:21

Tgt Ion: 114 Resp: 151157
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 42.4
 88 15.7 0.0 31.4

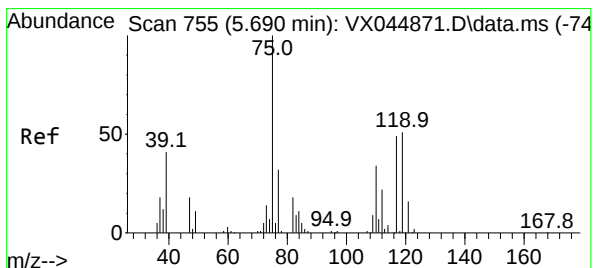
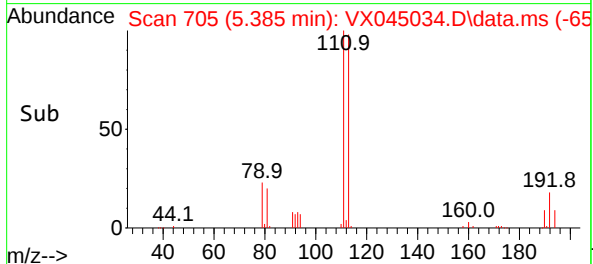
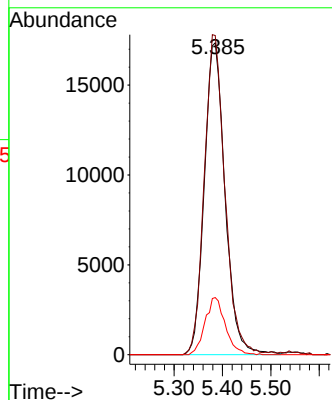
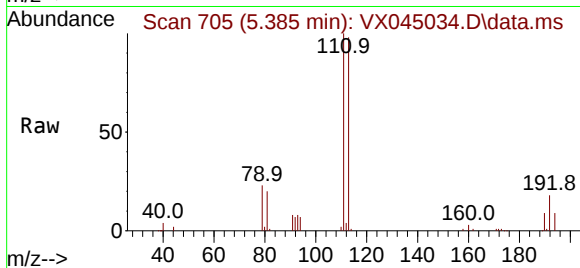




#35
Dibromofluoromethane
Concen: 52.796 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

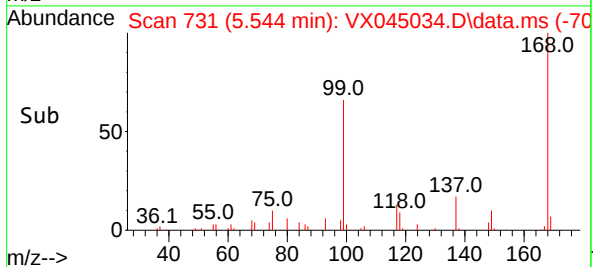
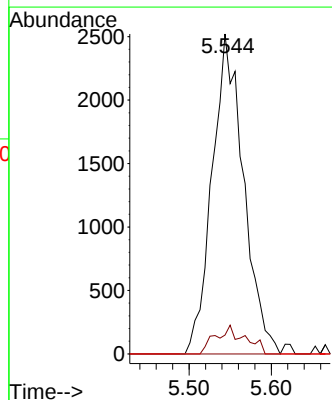
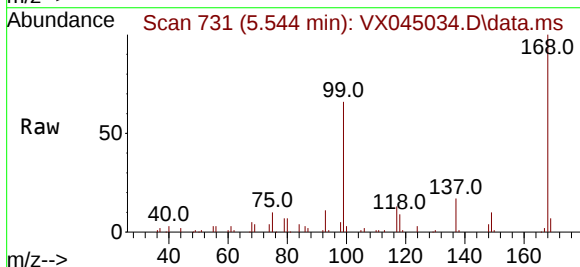
Instrument :
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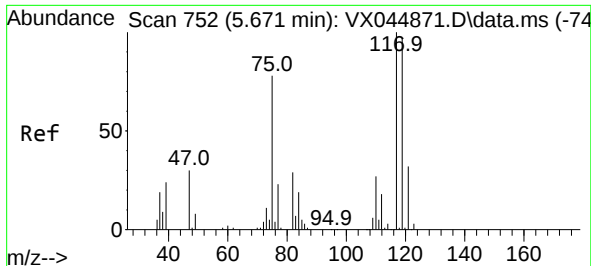
Tgt Ion:113 Resp: 51886
Ion Ratio Lower Upper
113 100
111 101.4 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

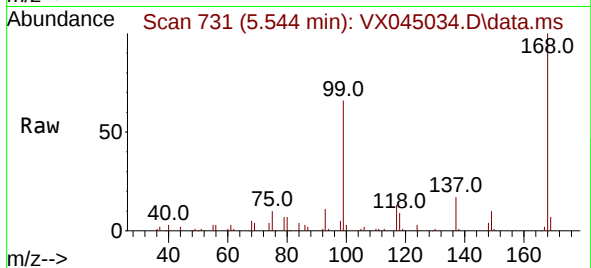
Tgt Ion: 75 Resp: 6685
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.6#
77 0.0 24.6 37.0#



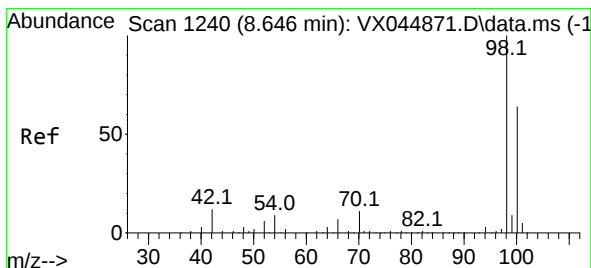
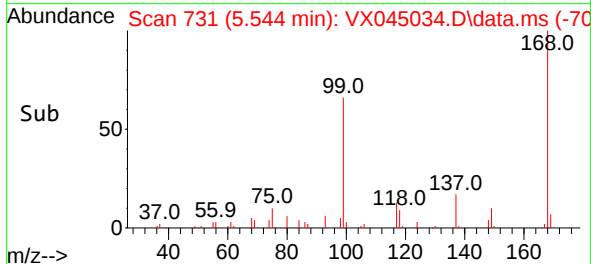
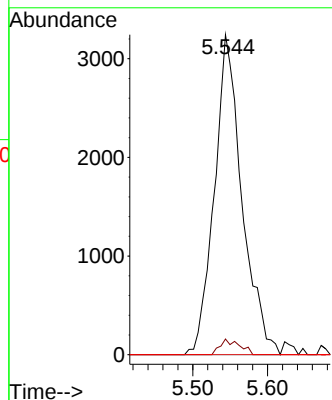


#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK

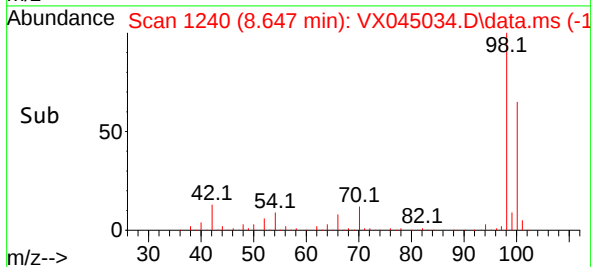
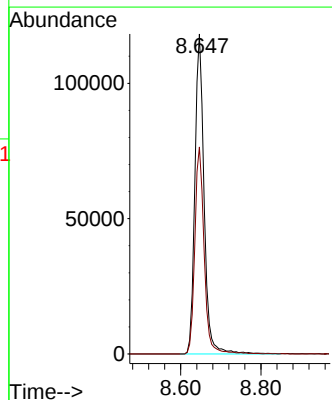
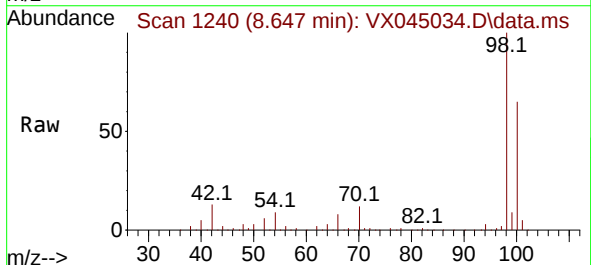


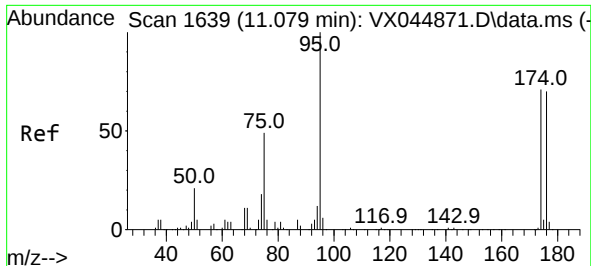
Tgt Ion:117 Resp: 8342
Ion Ratio Lower Upper
117 100
119 4.9 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 98 Resp: 188565
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 51.005 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045034.D

Acq: 25 Feb 2025 13:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

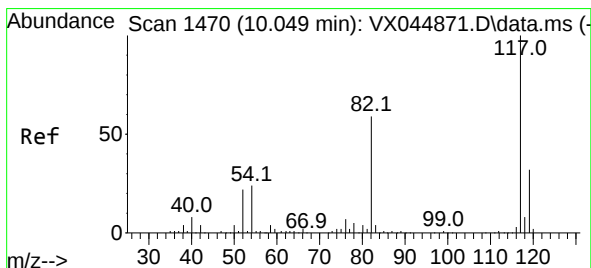
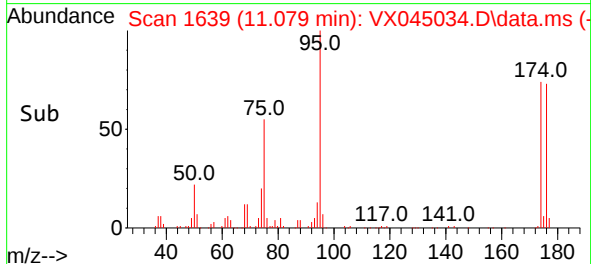
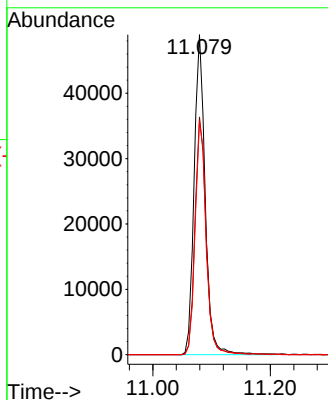
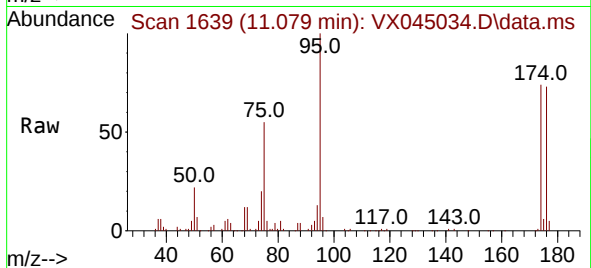
Tgt Ion: 95 Resp: 63901

Ion Ratio Lower Upper

95 100

174 75.2 0.0 142.6

176 72.3 0.0 141.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045034.D

Acq: 25 Feb 2025 13:21

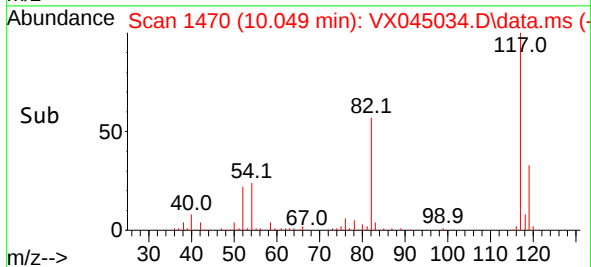
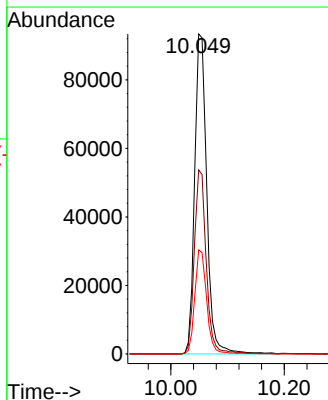
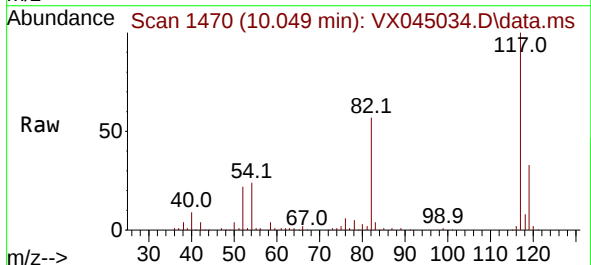
Tgt Ion: 117 Resp: 139064

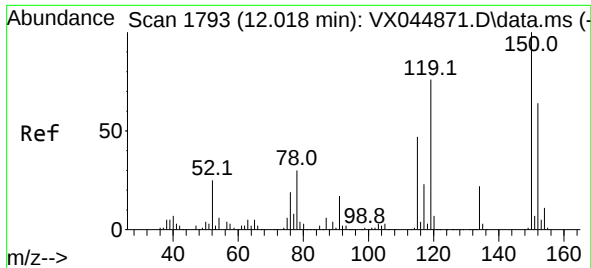
Ion Ratio Lower Upper

117 100

82 57.5 47.5 71.3

119 32.5 25.4 38.0

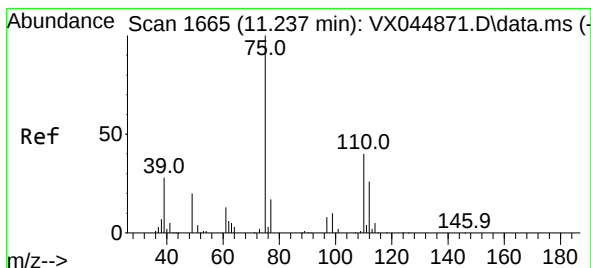
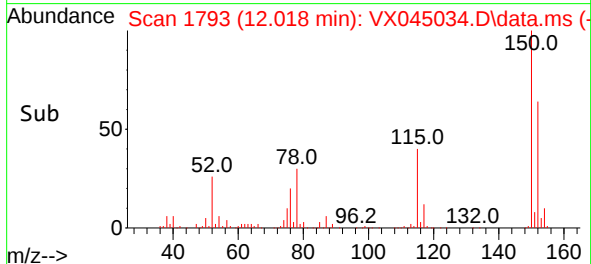
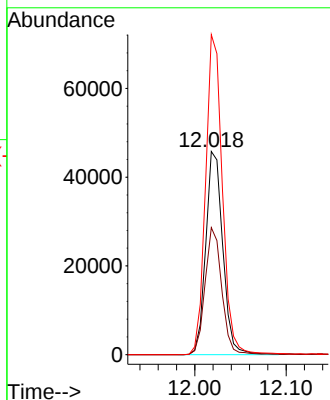
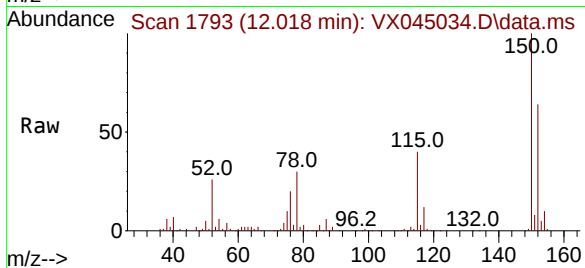




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045034.D
 Acq: 25 Feb 2025 13:21

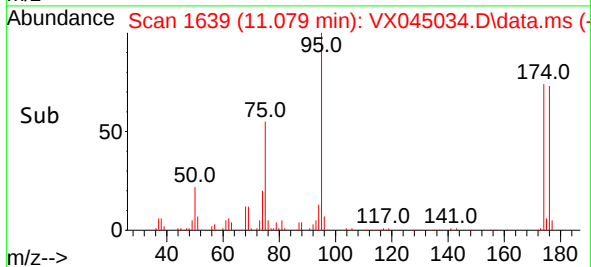
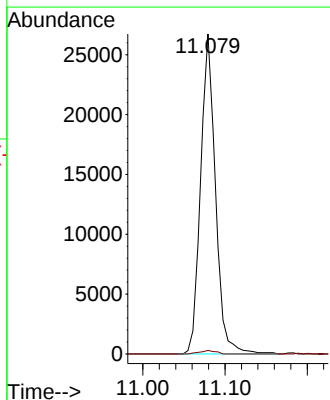
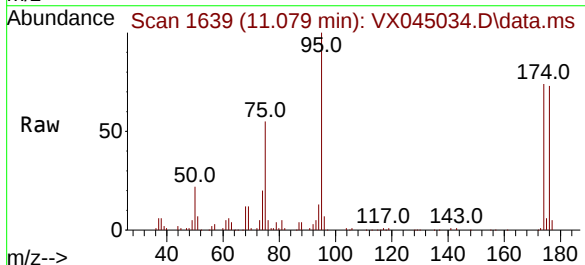
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

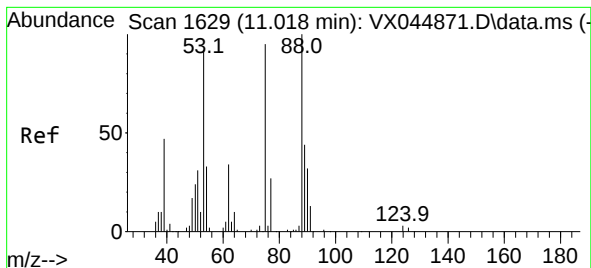
Tgt Ion:152 Resp: 59393
 Ion Ratio Lower Upper
 152 100
 115 61.3 43.4 130.1
 150 155.3 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 25.556 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045034.D
 Acq: 25 Feb 2025 13:21

Tgt Ion: 75 Resp: 33653
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#

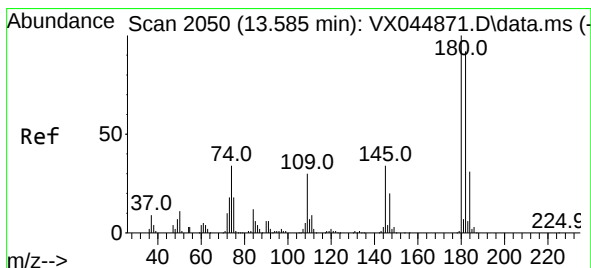
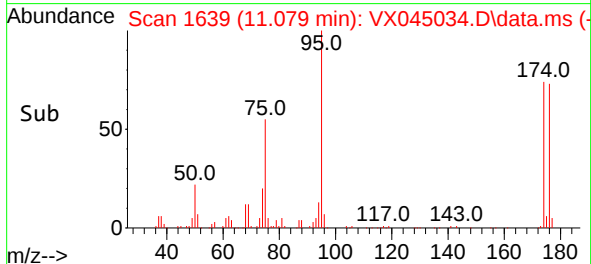
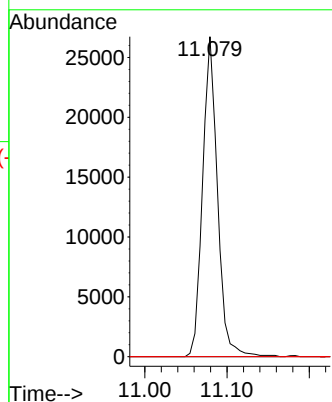
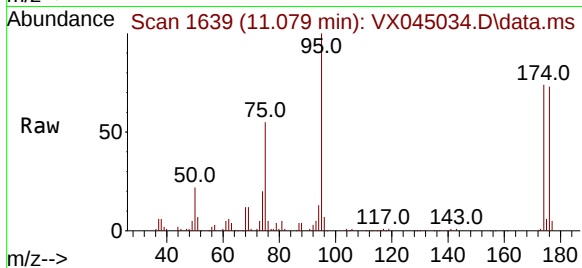




#81
trans-1,4-Dichloro-2-butene
Concen: 65.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

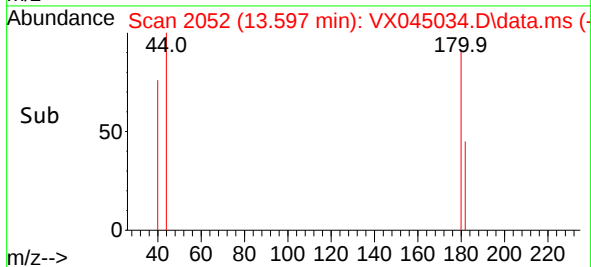
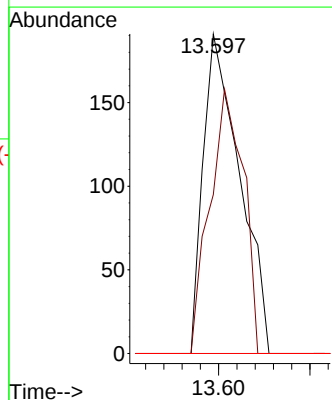
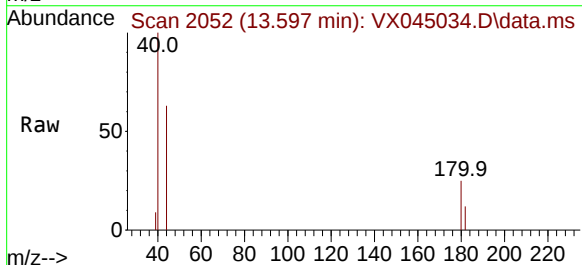
Instrument :
MSVOA_X
ClientSampleId :
IBLK

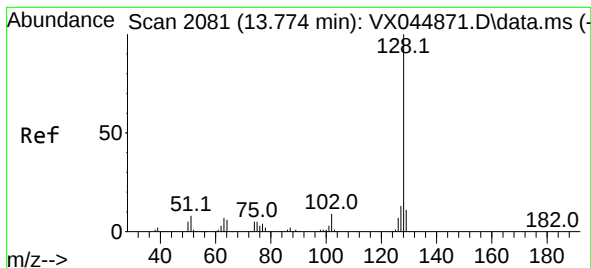
Tgt Ion: 75 Resp: 33653
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.223 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.013 min
Lab File: VX045034.D
Acq: 25 Feb 2025 13:21

Tgt Ion: 180 Resp: 265
Ion Ratio Lower Upper
180 100
182 76.2 47.6 142.8
145 0.0 16.4 49.1#





#95

Naphthalene

Concen: 0.304 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.013 min

Lab File: VX045034.D

Acq: 25 Feb 2025 13:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

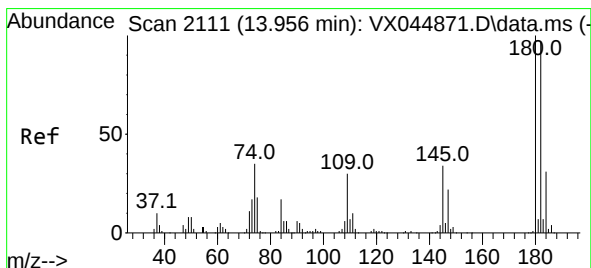
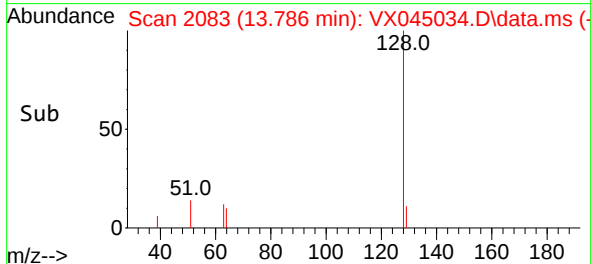
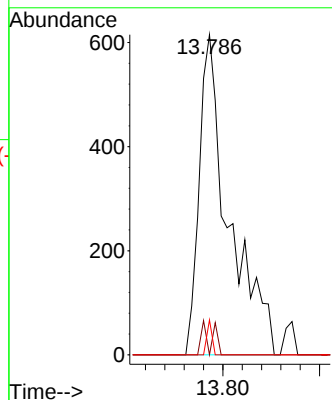
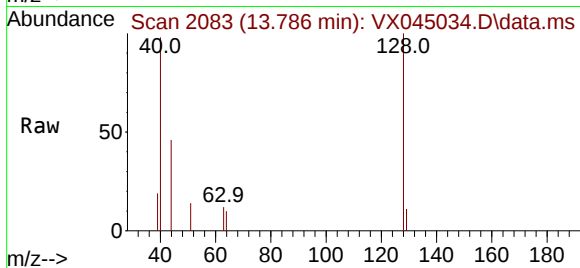
Tgt Ion:128 Resp: 1305

Ion Ratio Lower Upper

128 100

127 3.6 10.1 15.1#

129 1.9 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.209 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX045034.D

Acq: 25 Feb 2025 13:21

Tgt Ion:180 Resp: 250

Ion Ratio Lower Upper

180 100

182 80.0 47.9 143.6

145 0.0 17.1 51.3#

