

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042525\
 Data File : VX045937.D
 Acq On : 25 Apr 2025 12:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 25 23:00:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

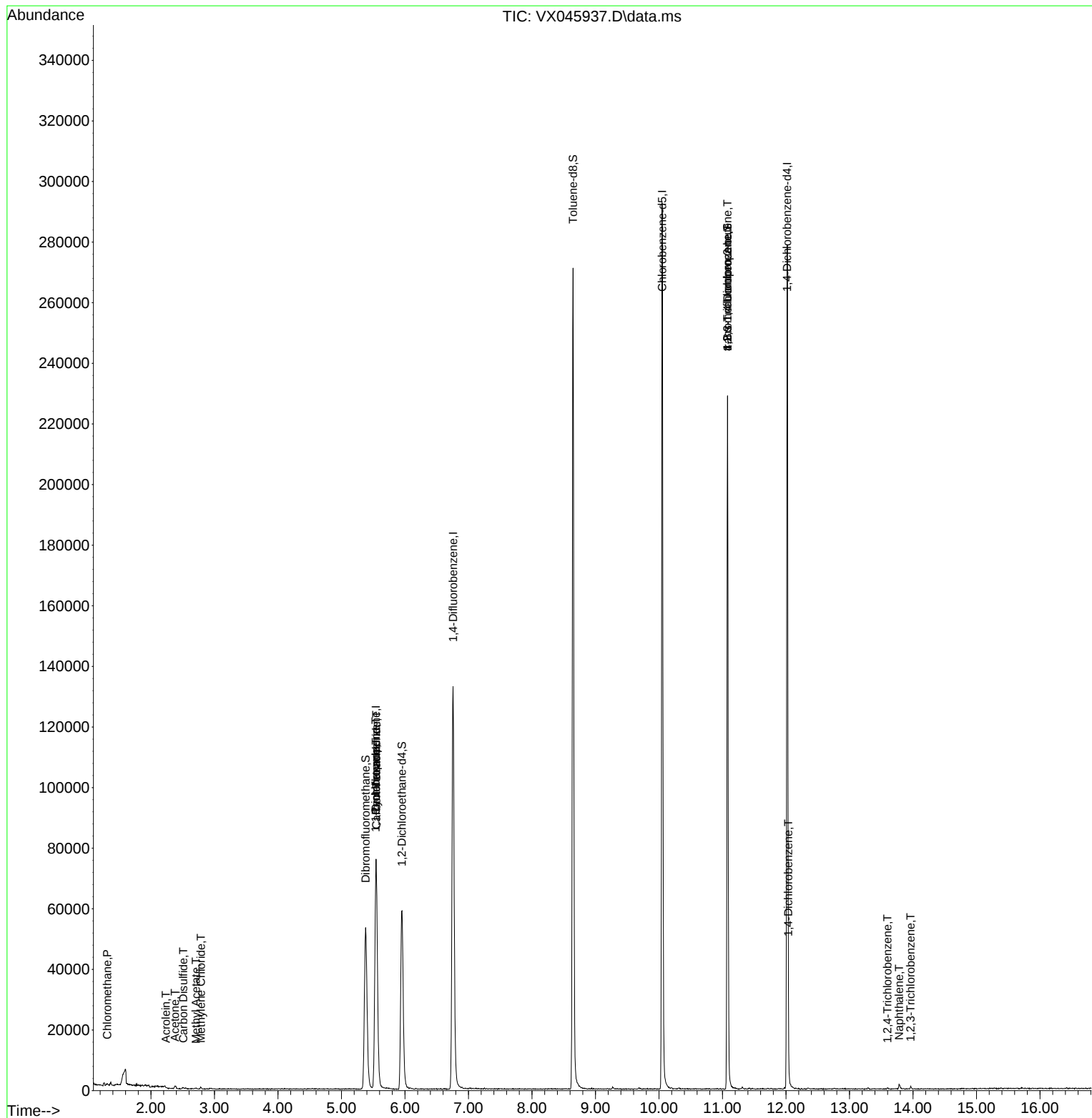
Internal Standards						
1) Pentafluorobenzene	5.544	168	63947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63083	53.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	5.379	113	46522	51.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	8.647	98	156365	49.892	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.079	95	59009	51.690	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.380%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	773	0.787	ug/l	92
13) Acrolein	2.233	56	49	0.226	ug/l #	15
16) Acetone	2.380	43	1137	2.368	ug/l #	89
17) Carbon Disulfide	2.508	76	595	0.314	ug/l #	76
18) Methyl Acetate	2.709	43	354	0.320	ug/l #	54
20) Methylene Chloride	2.788	84	194	0.216	ug/l #	62
31) Cyclohexane	5.544	56	1931	1.346	ug/l #	39
36) 1,1-Dichloropropene	5.538	75	6520	5.378	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7695	5.873	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	34112	27.192	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34112	92.285	ug/l #	1
88) 1,4-Dichlorobenzene	12.037	146	389	0.221	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	245	0.256	ug/l #	80
95) Naphthalene	13.780	128	1724	0.483	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.963	180	342	0.341	ug/l	89

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

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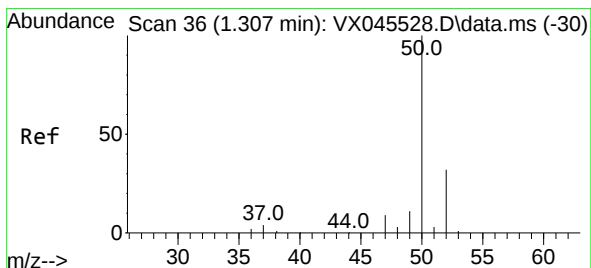
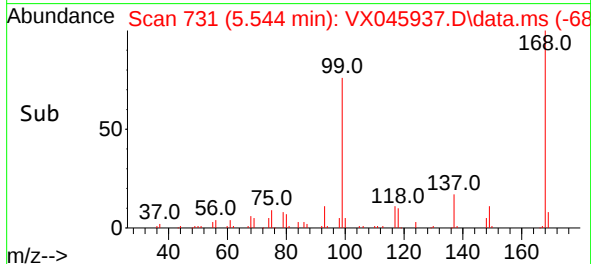
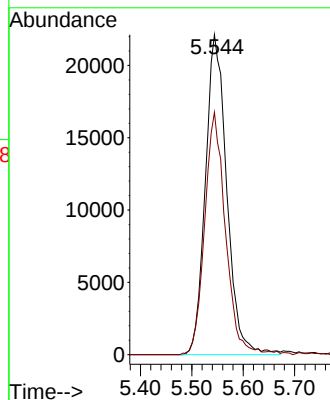
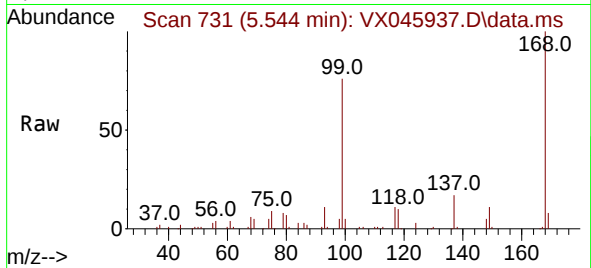




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

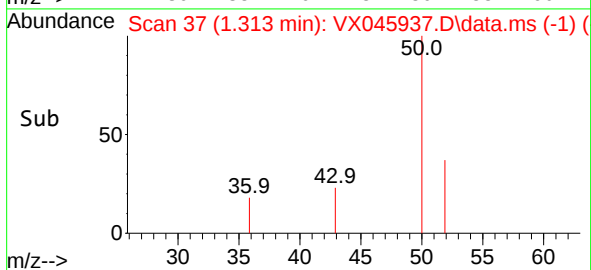
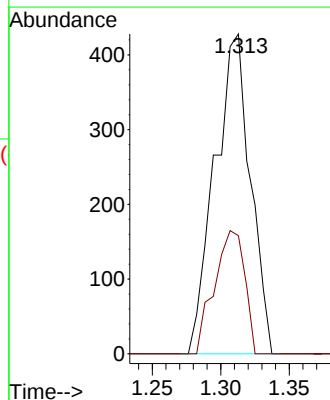
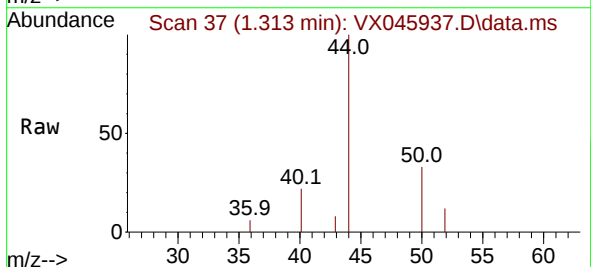
Instrument :
MSVOA_X
ClientSampleId :
IBLK

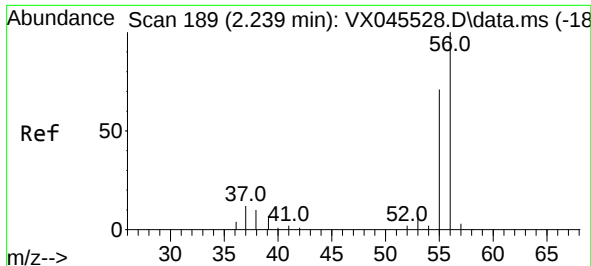
Tgt Ion:168 Resp: 63947
Ion Ratio Lower Upper
168 100
99 75.7 52.3 78.5



#3
Chloromethane
Concen: 0.787 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Tgt Ion: 50 Resp: 773
Ion Ratio Lower Upper
50 100
52 36.9 25.9 38.9

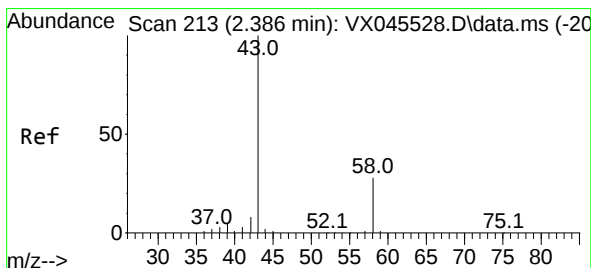
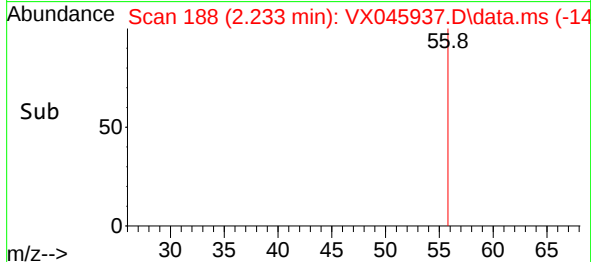
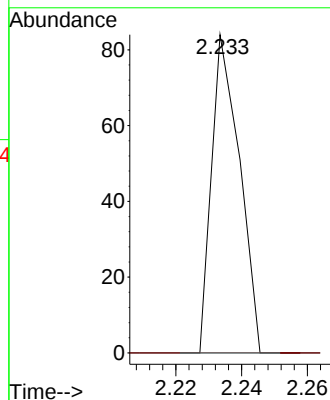
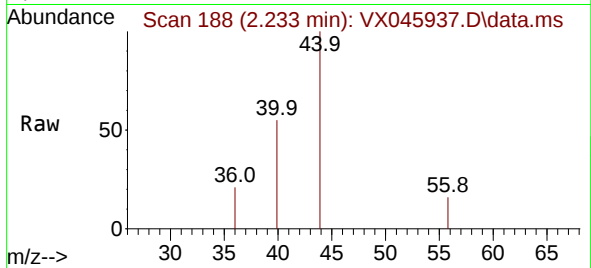




#13
Acrolein
Concen: 0.226 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

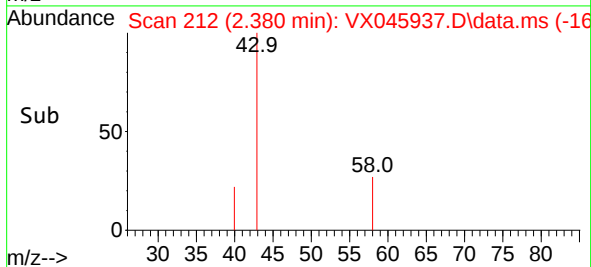
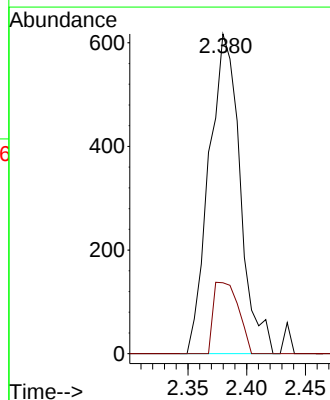
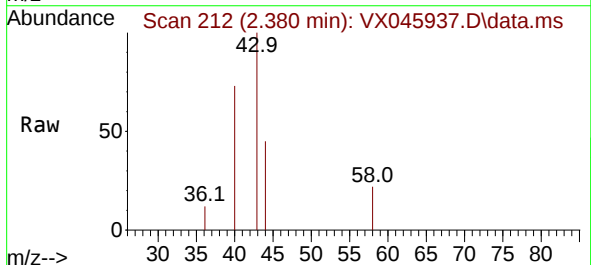
Instrument :
MSVOA_X
ClientSampleId :
IBLK

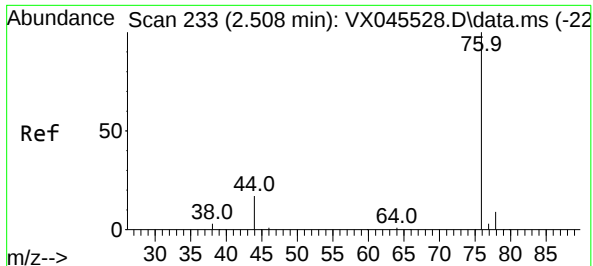
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 2.368 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

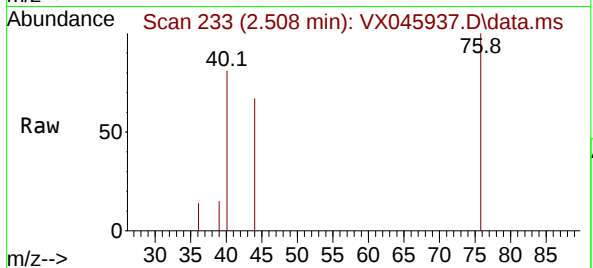
Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 22.2 22.3 33.5#



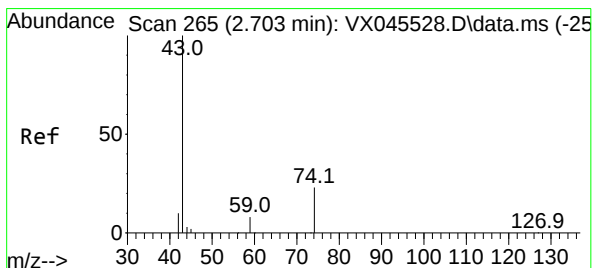
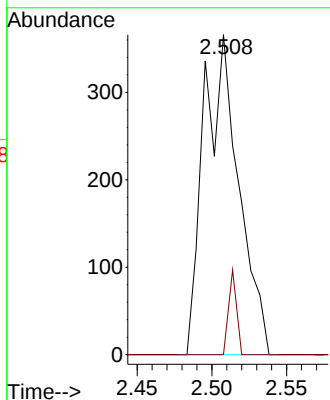
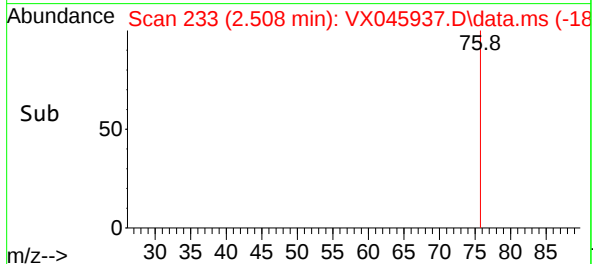


#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

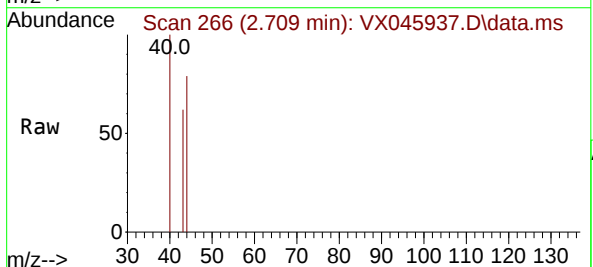
Instrument :
MSVOA_X
ClientSampleId :
IBLK



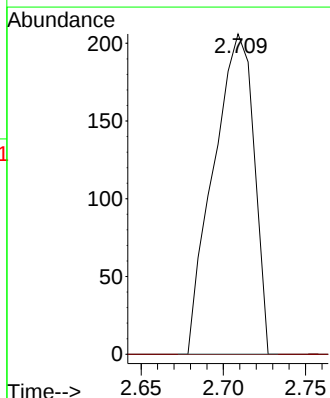
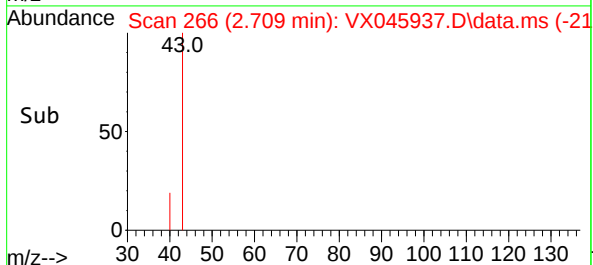
Tgt Ion: 76 Resp: 595
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

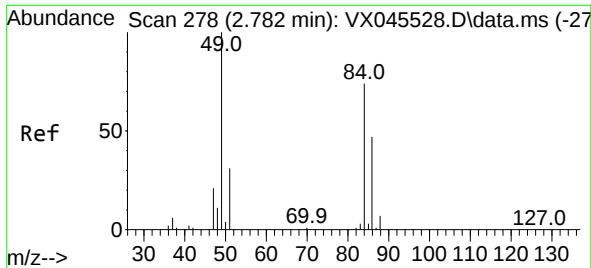


#18
Methyl Acetate
Concen: 0.320 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37



Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

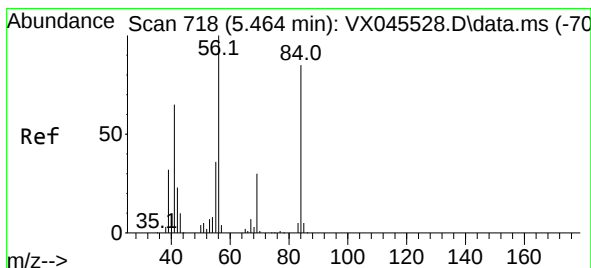
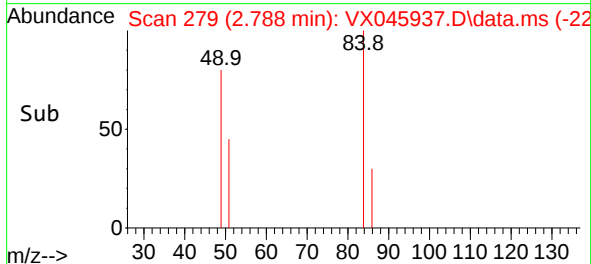
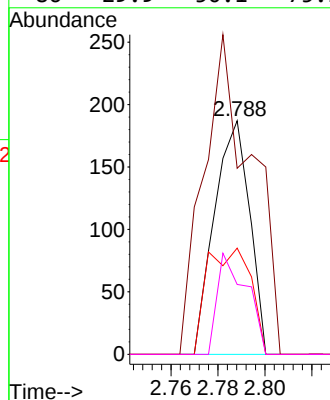
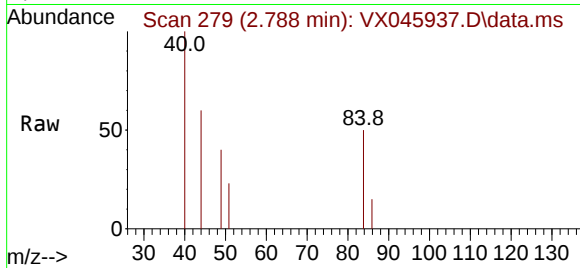




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

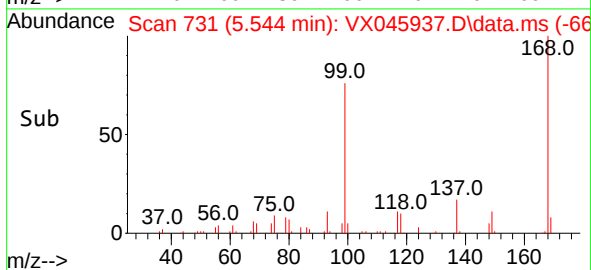
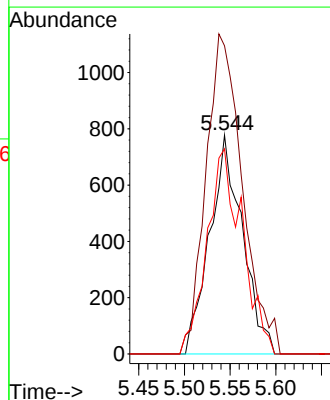
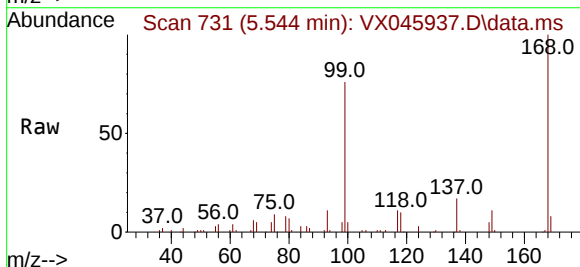
Instrument :
MSVOA_X
ClientSampleId :
IBLK

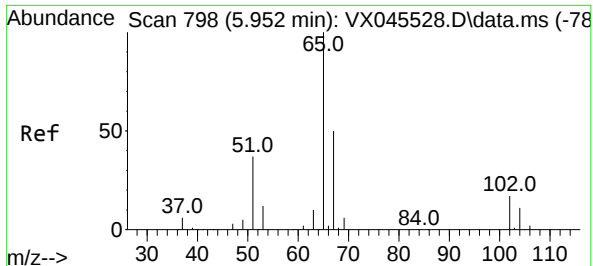
Tgt Ion:	84	Resp:	194
Ion	Ratio	Lower	Upper
84	100		
49	79.7	107.5	161.3#
51	45.5	33.0	49.6
86	29.9	50.1	75.1#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Tgt Ion:	56	Resp:	1931
Ion	Ratio	Lower	Upper
56	100		
69	140.7	23.6	35.4#
84	93.7	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 53.944 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045937.D

Acq: 25 Apr 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

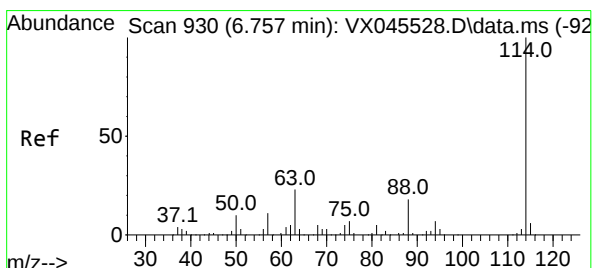
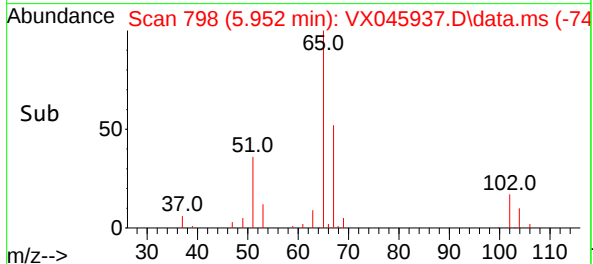
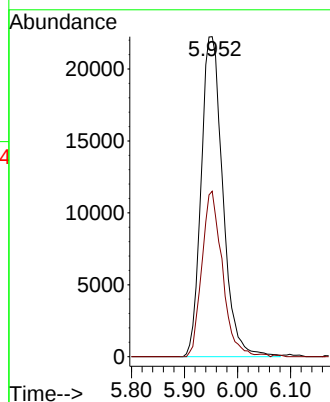
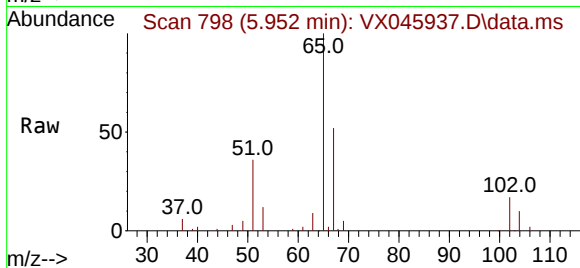
IBLK

Tgt Ion: 65 Resp: 63083

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045937.D

Acq: 25 Apr 2025 12:37

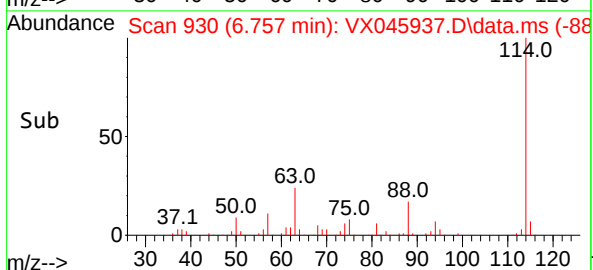
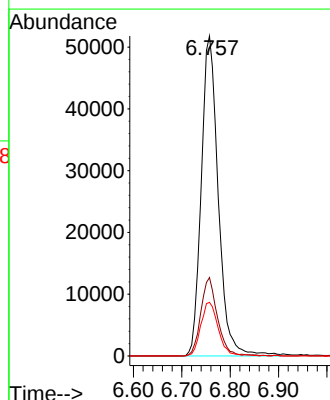
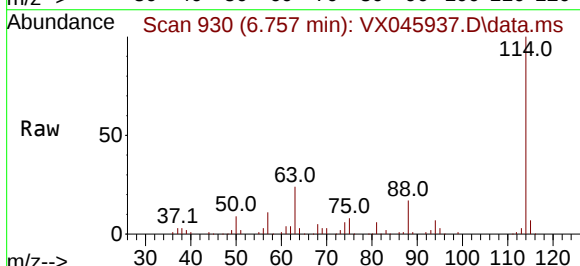
Tgt Ion: 114 Resp: 126556

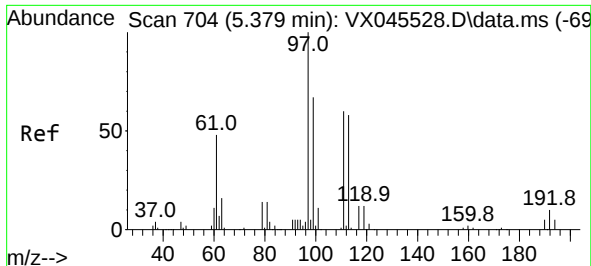
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.8

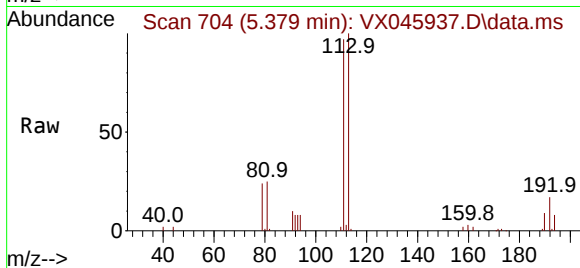
88 16.8 0.0 35.4



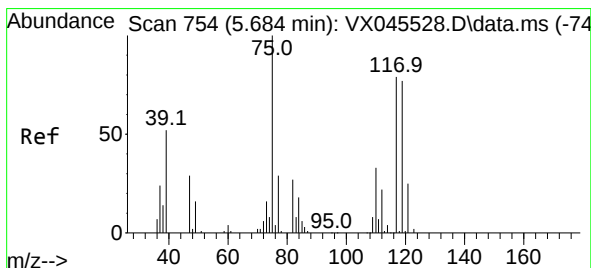
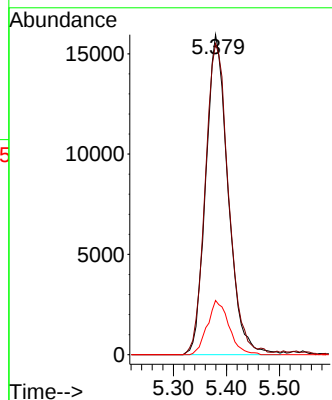
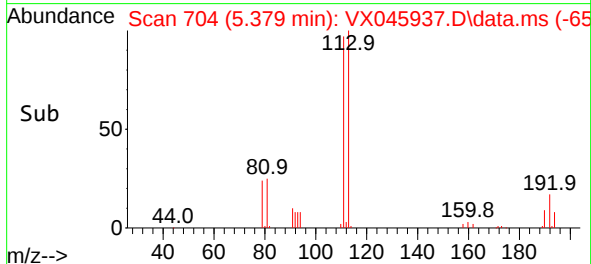


#35
Dibromofluoromethane
Concen: 51.811 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
IBLK

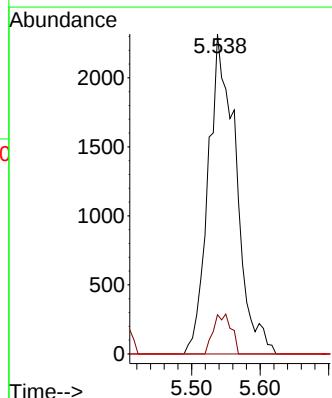
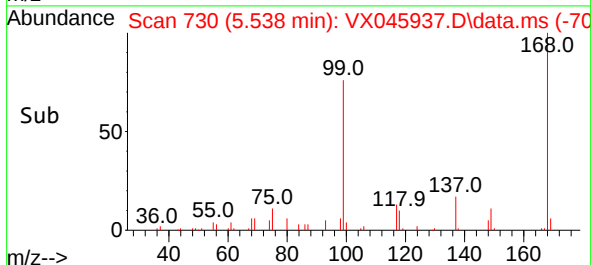
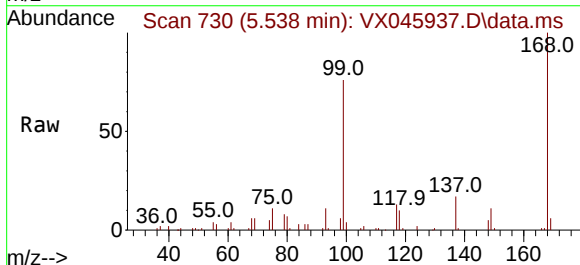


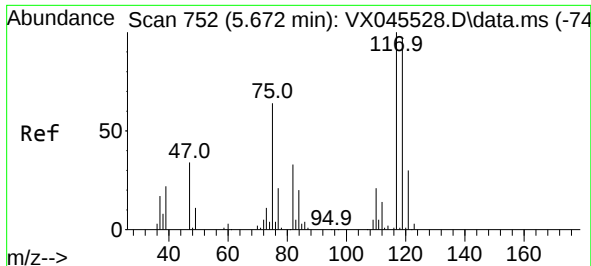
Tgt Ion:113 Resp: 46522
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.378 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

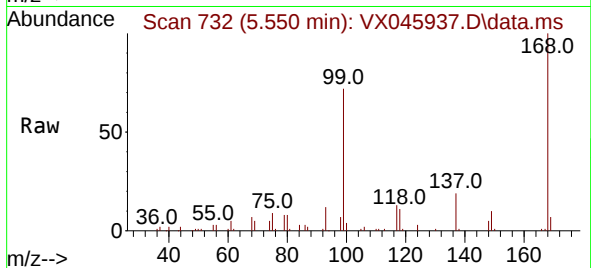
Tgt Ion: 75 Resp: 6520
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



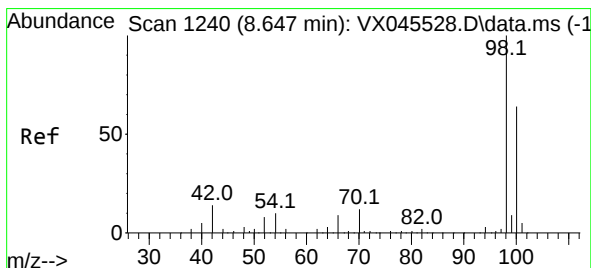
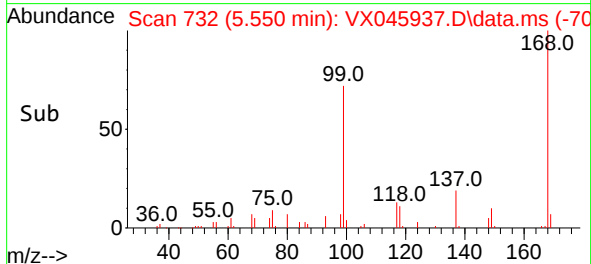
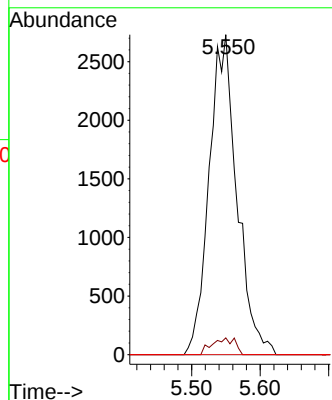


#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Instrument :
MSVOA_X
ClientSampleId :
IBLK

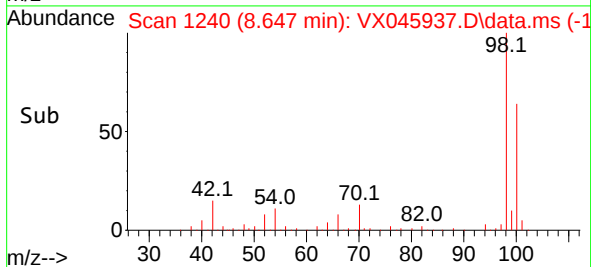
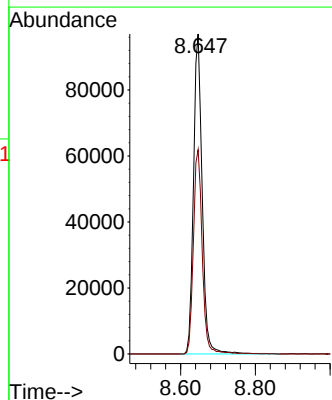
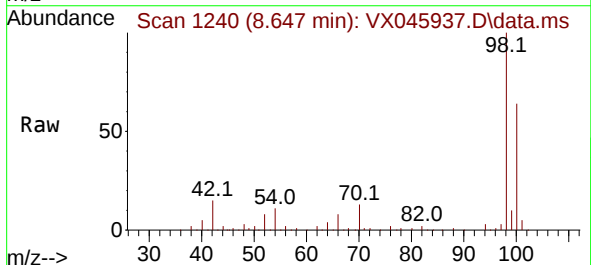


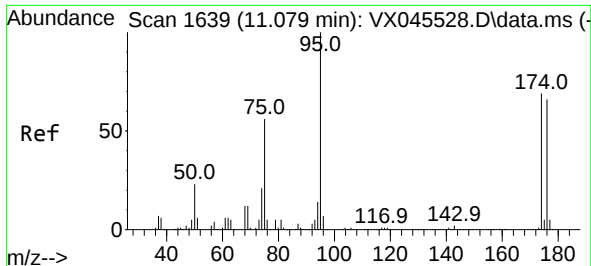
Tgt Ion:117 Resp: 7695
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.892 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Tgt Ion: 98 Resp: 156365
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4

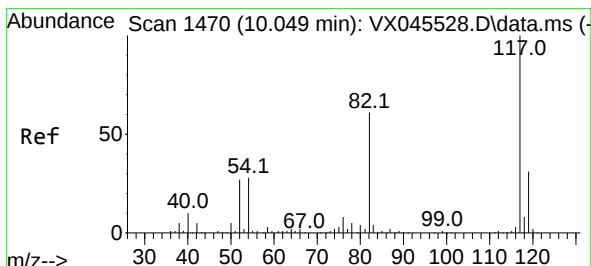
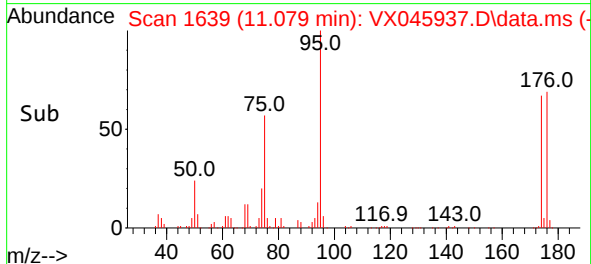
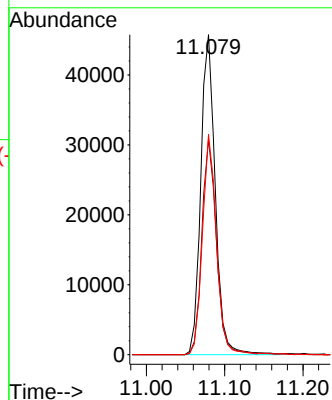
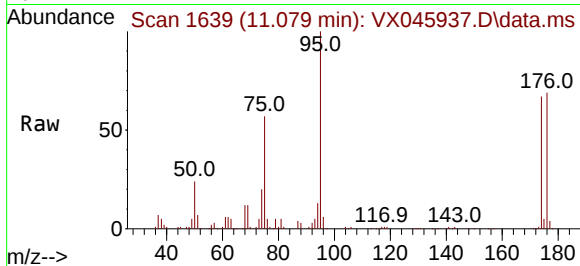




#62
4-Bromofluorobenzene
Concen: 51.690 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

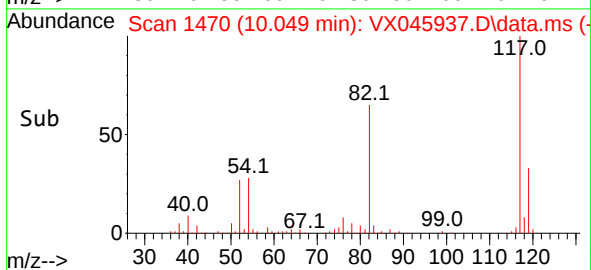
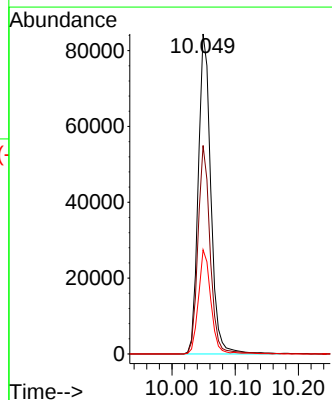
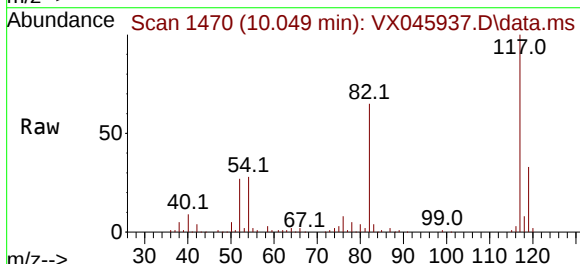
Instrument :
MSVOA_X
ClientSampleId :
IBLK

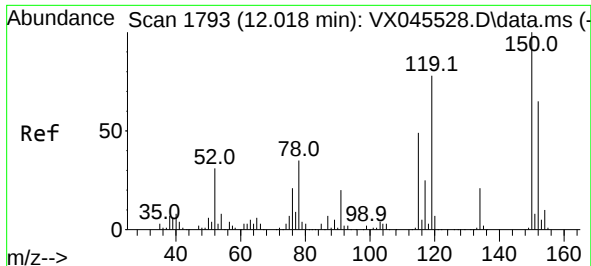
Tgt Ion: 95 Resp: 59009
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 66.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Tgt Ion: 117 Resp: 116710
Ion Ratio Lower Upper
117 100
82 65.1 49.2 73.8
119 32.5 25.1 37.7

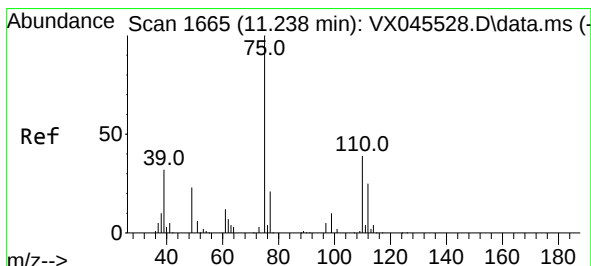
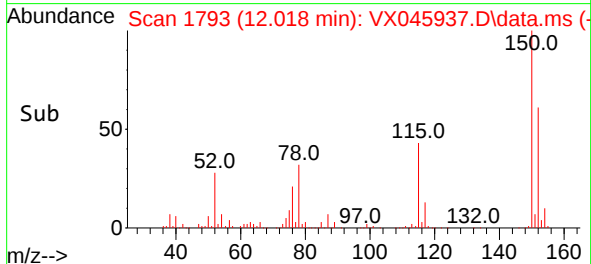
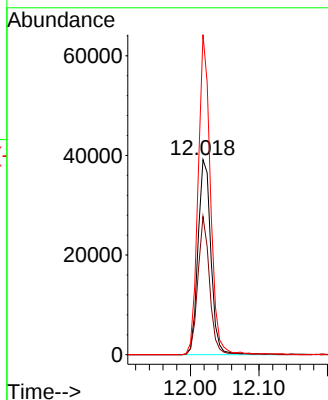
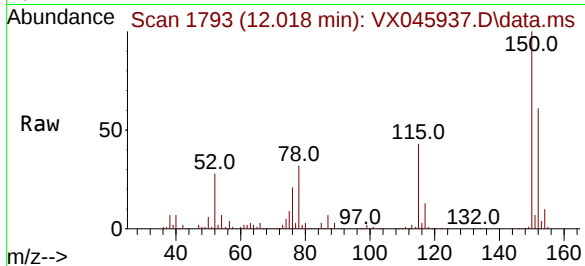




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045937.D
 Acq: 25 Apr 2025 12:37

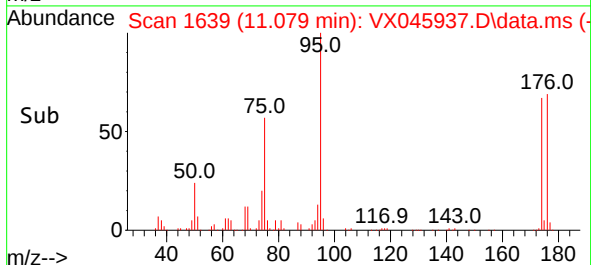
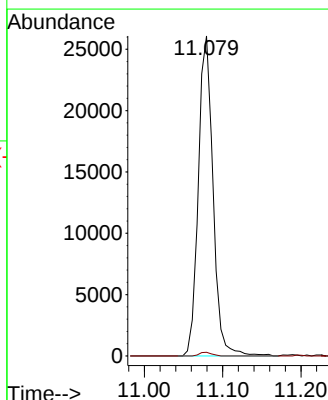
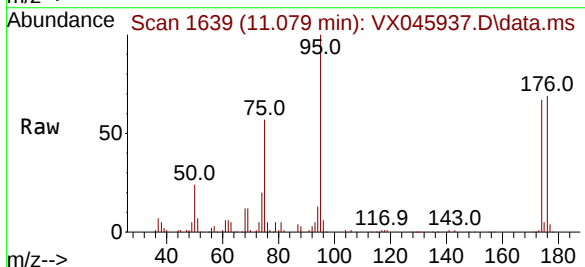
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

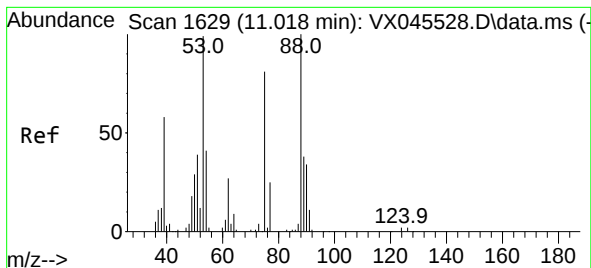
Tgt Ion:152 Resp: 51430
 Ion Ratio Lower Upper
 152 100
 115 65.0 46.9 140.7
 150 156.0 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 27.192 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045937.D
 Acq: 25 Apr 2025 12:37

Tgt Ion: 75 Resp: 34112
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#

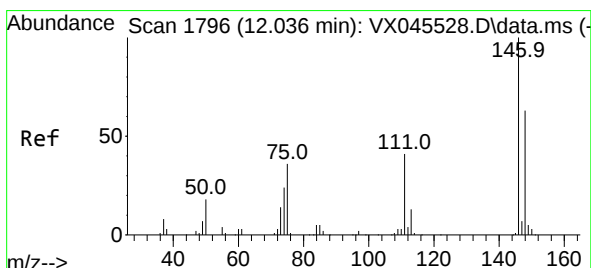
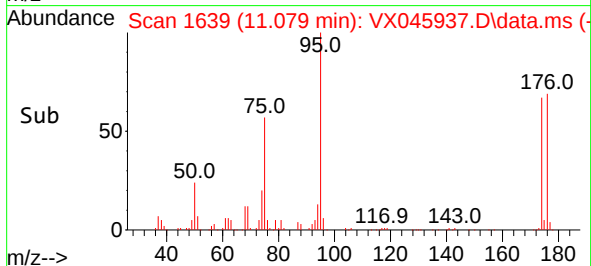
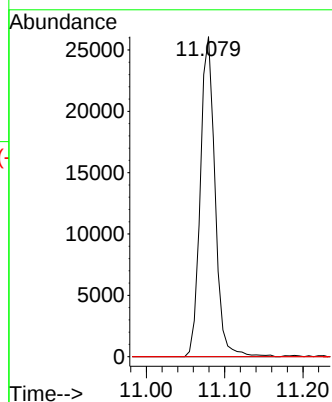
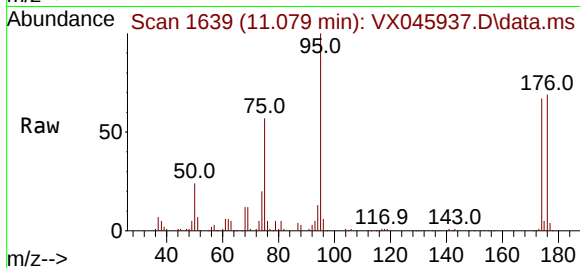




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.285 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045937.D
 Acq: 25 Apr 2025 12:37

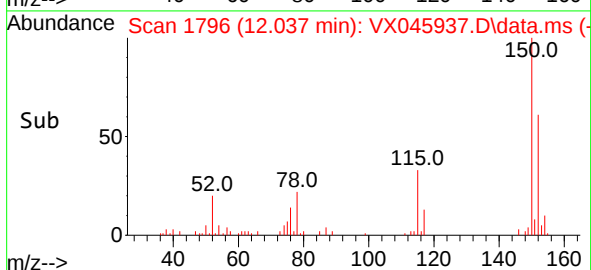
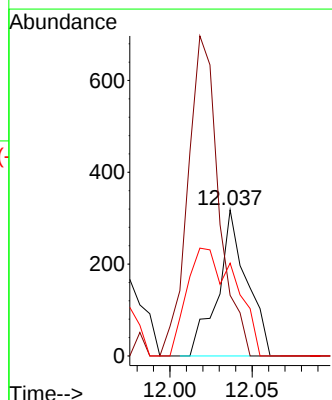
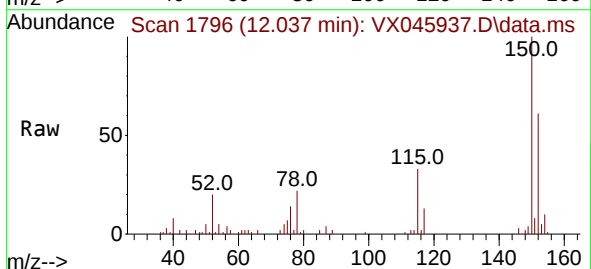
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

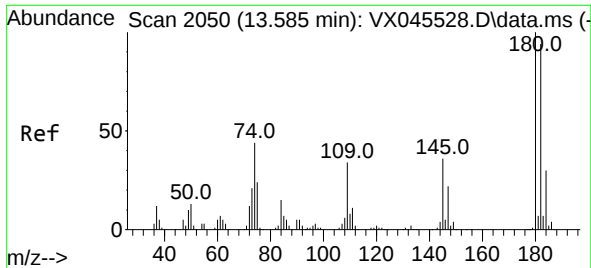
Tgt Ion: 75 Resp: 34112
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#88
 1,4-Dichlorobenzene
 Concen: 0.221 ug/l
 RT: 12.037 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX045937.D
 Acq: 25 Apr 2025 12:37

Tgt Ion:146 Resp: 389
 Ion Ratio Lower Upper
 146 100
 111 234.4 20.9 62.8#
 148 123.7 31.5 94.5#

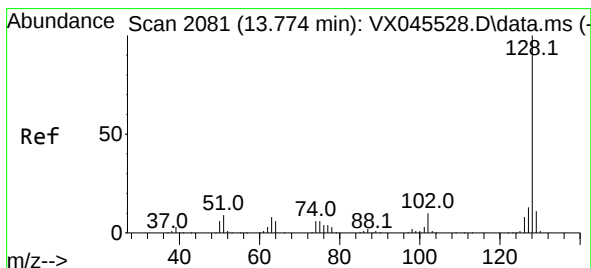
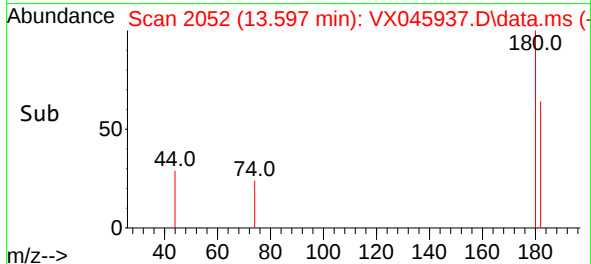
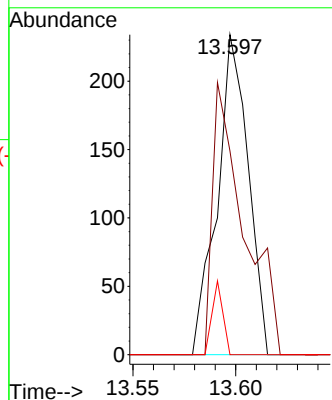
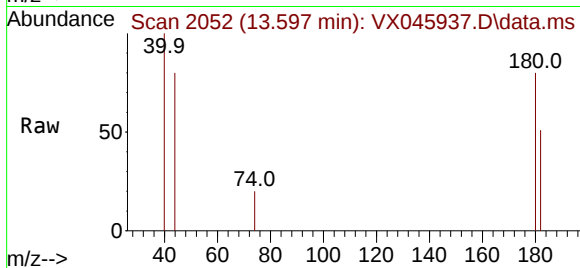




#93
1,2,4-Trichlorobenzene
Concen: 0.256 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

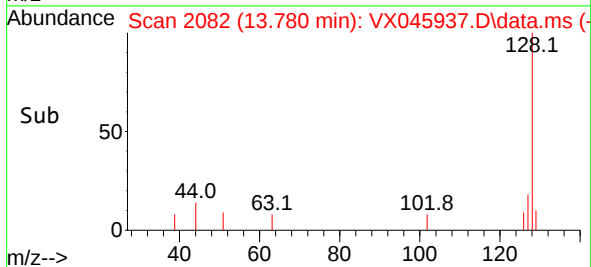
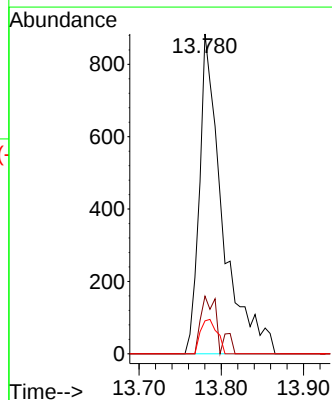
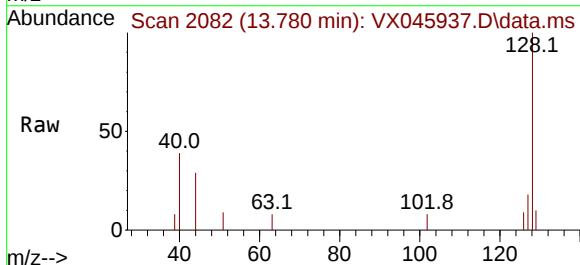
Instrument :
MSVOA_X
ClientSampleId :
IBLK

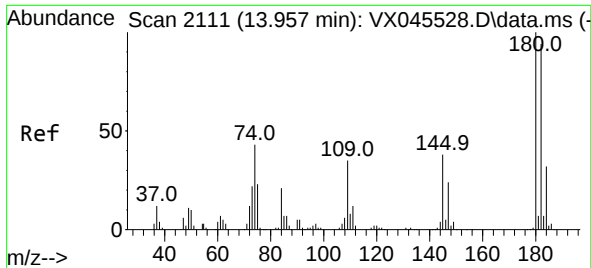
Tgt Ion:180 Resp: 245
Ion Ratio Lower Upper
180 100
182 86.1 47.9 143.6
145 8.2 17.9 53.8#



#95
Naphthalene
Concen: 0.483 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045937.D
Acq: 25 Apr 2025 12:37

Tgt Ion:128 Resp: 1724
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 7.7 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.341 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045937.D

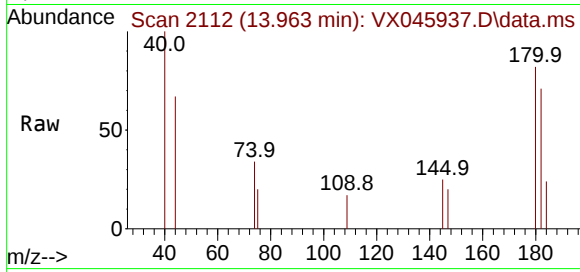
Acq: 25 Apr 2025 12:37

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 342

Ion Ratio Lower Upper

180 100

182 89.2 47.3 141.8

145 20.8 18.2 54.6

