

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045290.D
 Acq On : 14 Mar 2025 12:32
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 15 03:58:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

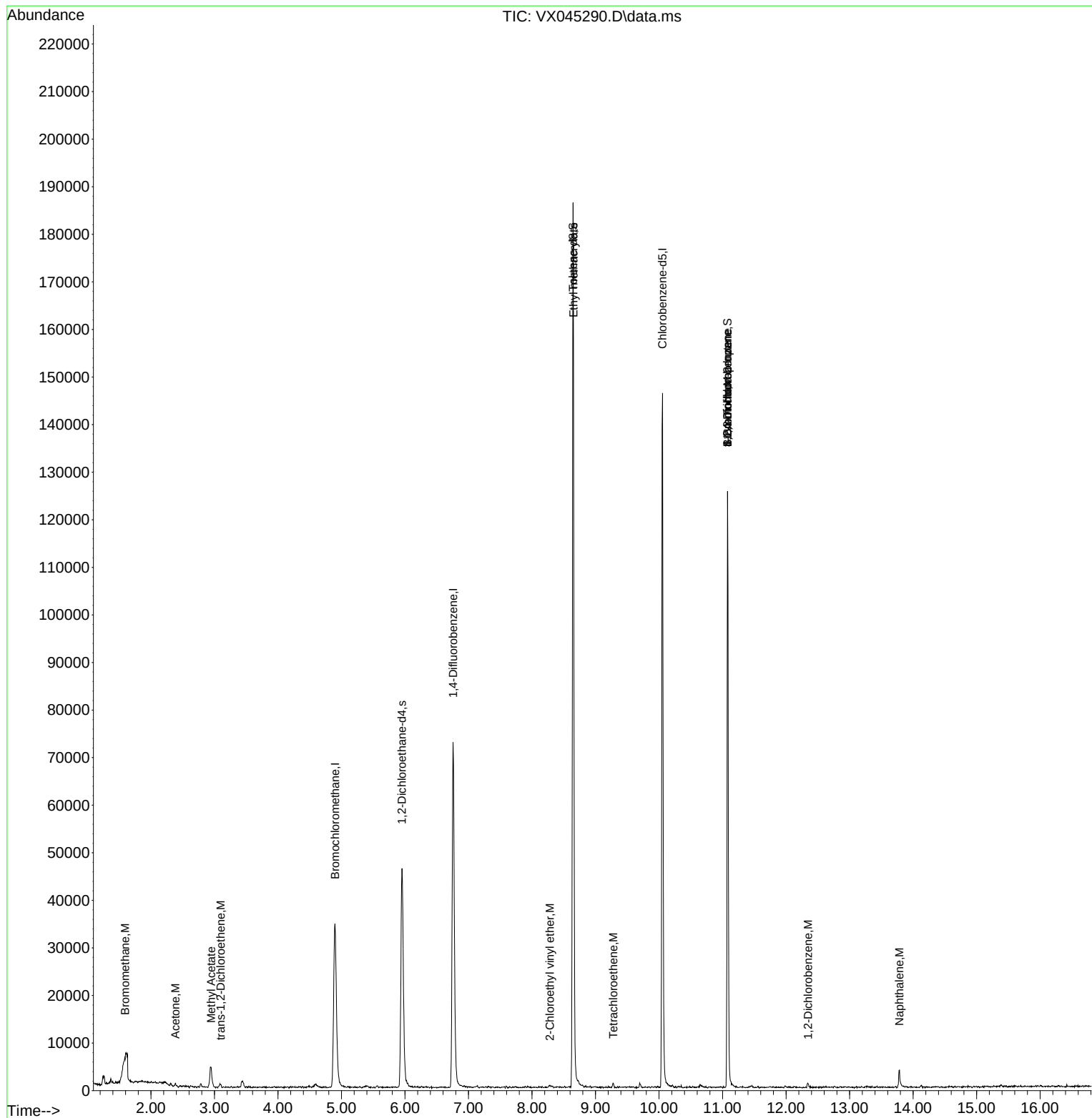
Internal Standards						
1) Bromochloromethane	4.897	128	14152	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	70232	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	62437	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44396	32.299	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.667%	
60) 4-Bromofluorobenzene	11.079	95	32732	28.047	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 93.500%	
63) Toluene-d8	8.647	98	105369	30.505	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	149	0.310	ug/l #	78
12) Methyl Acetate	2.946	43	428	0.343	ug/l #	53
15) Acetone	2.385	58	100	0.598	ug/l #	12
19) trans-1,2-Dichloroethene	3.099	96	297	0.273	ug/l #	57
51) Ethyl methacrylate	8.653	69	394	0.266	ug/l	94
55) 2-Chloroethyl vinyl ether	8.281	63	298	0.391	ug/l #	62
56) Bromoform	11.079	173	307	0.470	ug/l #	1
61) Tetrachloroethene	9.281	164	160	0.208	ug/l #	70
72) 1,2,3-Trichloropropane	11.079	75	18030	15.605	ug/l	35
77) t-1,4-Dichloro-2-butene	11.079	75	18030	46.383	ug/l #	10
87) 1,2-Dichlorobenzene	12.347	146	407	0.227	ug/l #	51
91) Naphthalene	13.786	128	3722	0.970	ug/l #	91

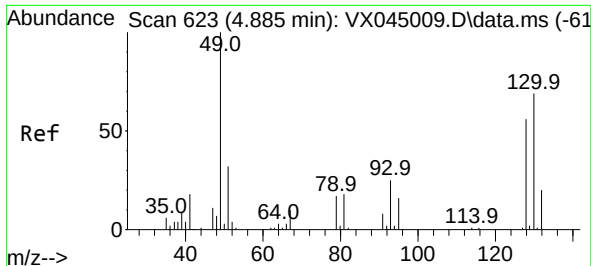
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
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Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Mar 15 03:58:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

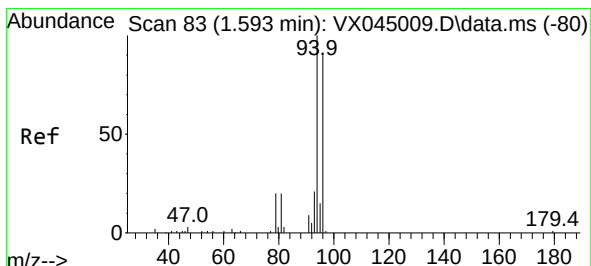
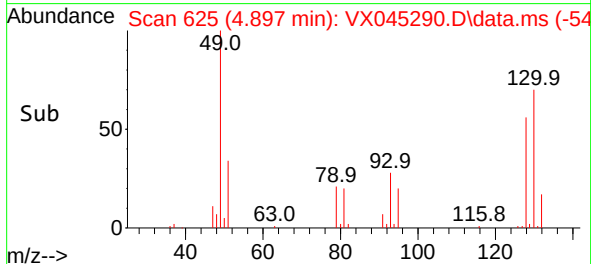
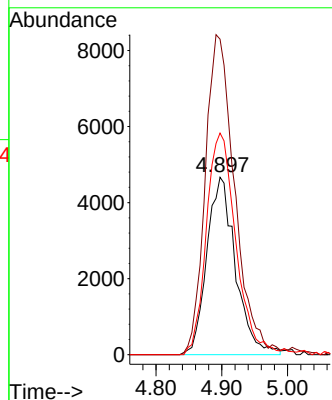
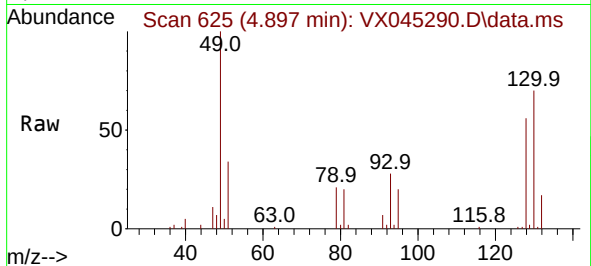




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

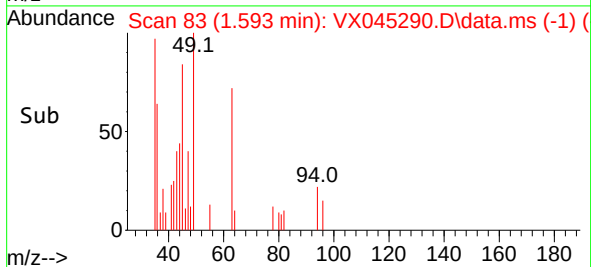
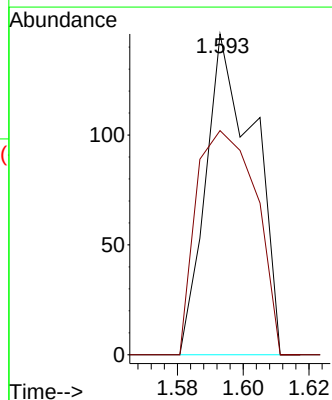
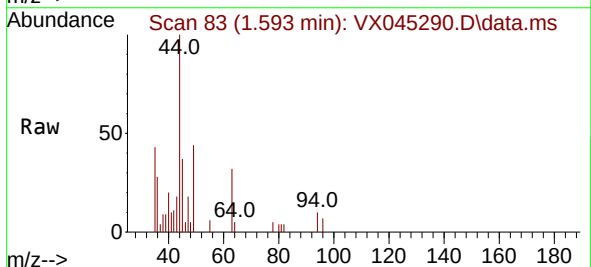
Instrument :
MSVOA_X
ClientSampleId :
IBLK

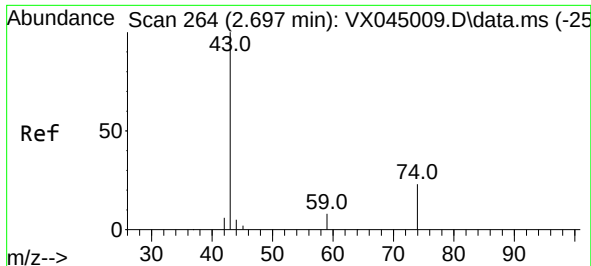
Tgt Ion:128 Resp: 14152
Ion Ratio Lower Upper
128 100
49 183.3 0.0 449.7
130 128.4 0.0 312.7



#5
Bromomethane
Concen: 0.310 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 69.9 72.2 108.4#

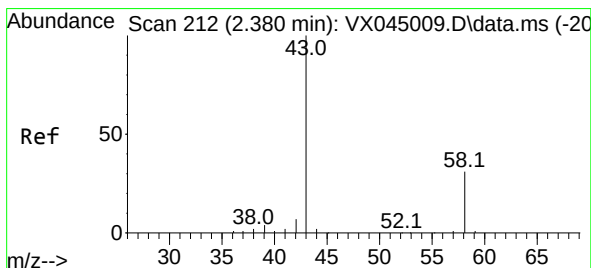
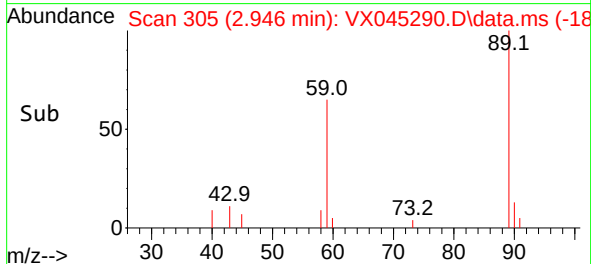
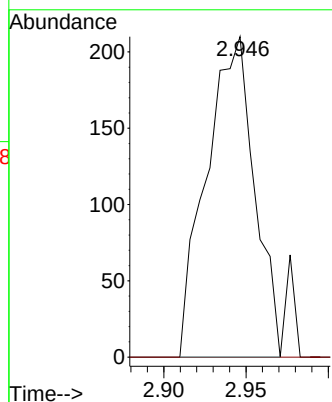
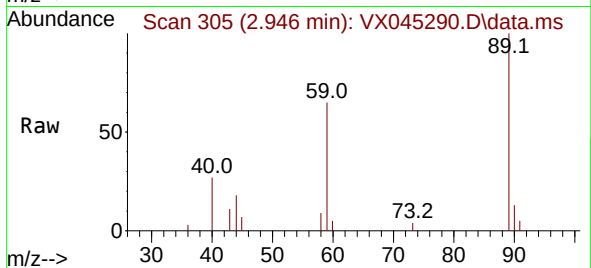




#12
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.250 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

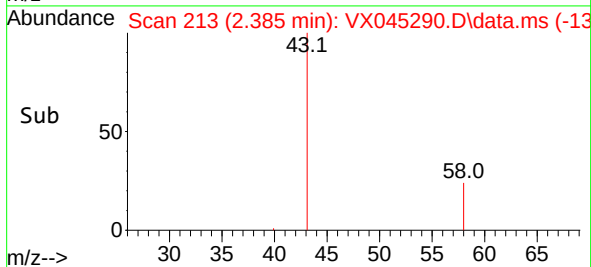
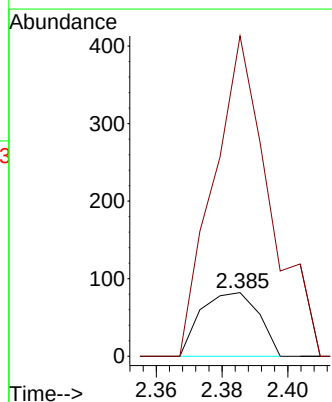
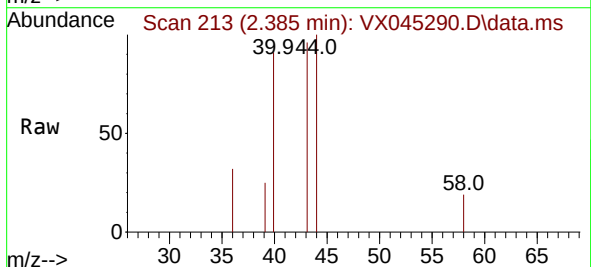
Instrument :
MSVOA_X
ClientSampleId :
IBLK

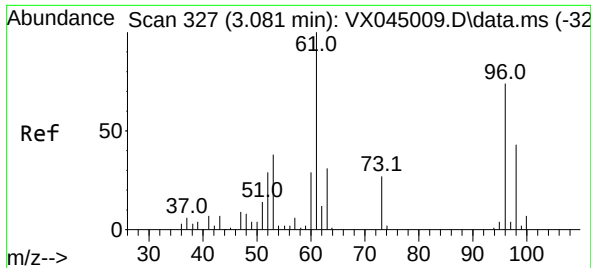
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#15
Acetone
Concen: 0.598 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 58 Resp: 100
Ion Ratio Lower Upper
58 100
43 503.7 258.6 388.0#

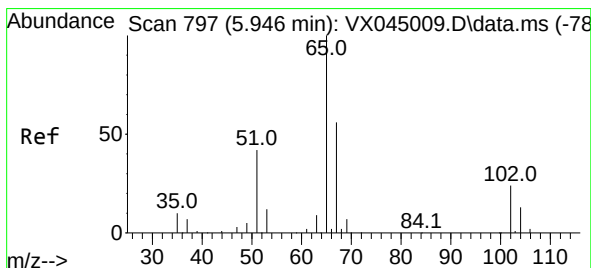
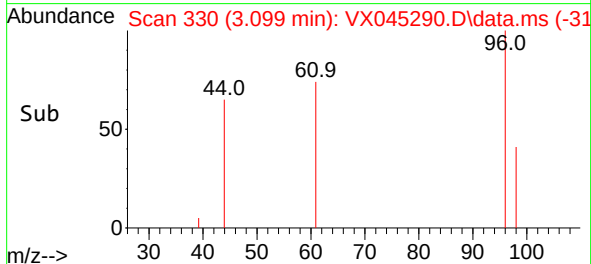
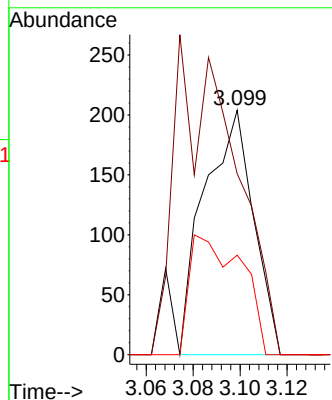
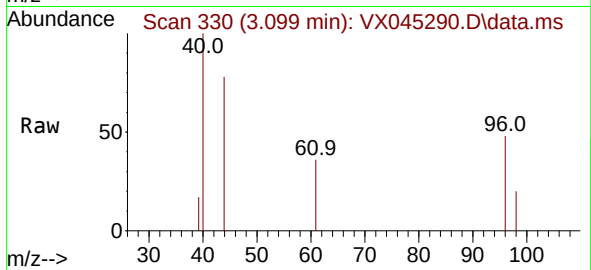




#19
trans-1,2-Dichloroethene
Concen: 0.273 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

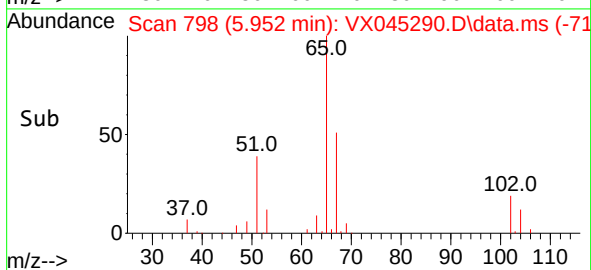
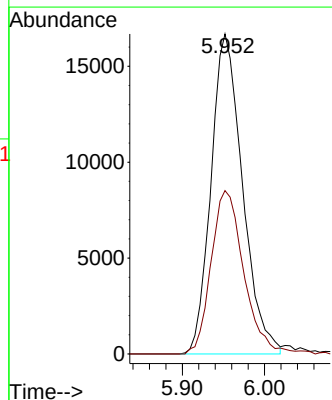
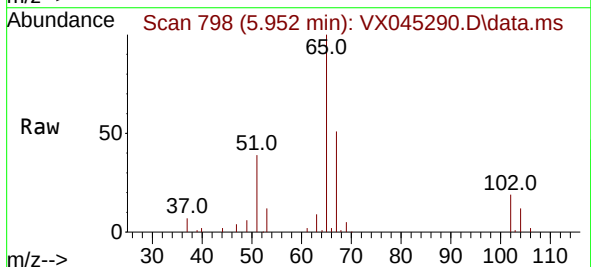
Instrument :
MSVOA_X
ClientSampleId :
IBLK

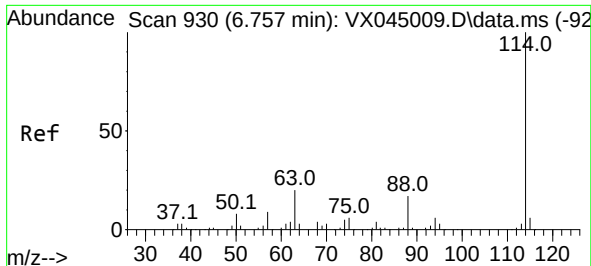
Tgt Ion: 96 Resp: 297
Ion Ratio Lower Upper
96 100
61 74.0 108.6 163.0#
98 40.7 46.5 69.7#



#27
1,2-Dichloroethane-d4
Concen: 32.299 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 65 Resp: 44396
Ion Ratio Lower Upper
65 100
67 52.8 42.6 64.0

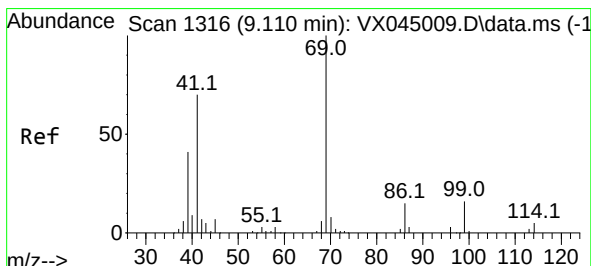
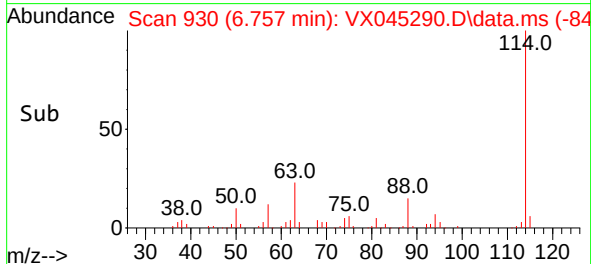
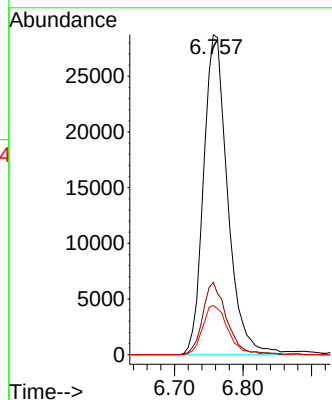
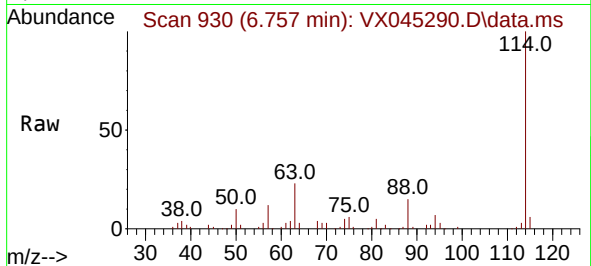




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

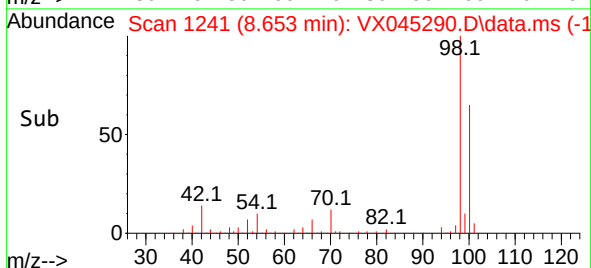
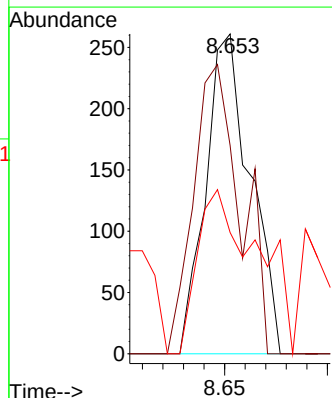
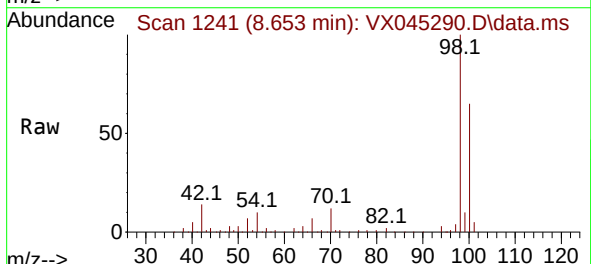
Instrument :
MSVOA_X
ClientSampleId :
IBLK

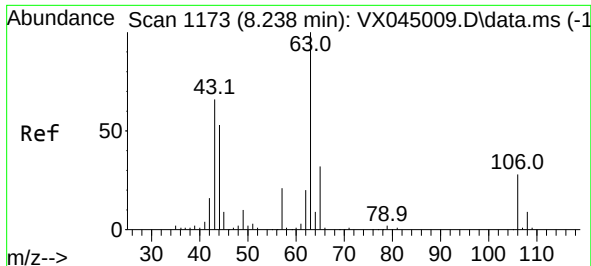
Tgt Ion:114 Resp: 70232
Ion Ratio Lower Upper
114 100
63 21.9 16.8 25.2
88 16.0 12.7 19.1



#51
Ethyl methacrylate
Concen: 0.266 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.458 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 69 Resp: 394
Ion Ratio Lower Upper
69 100
41 65.1 35.1 105.3
39 37.9 20.5 61.6





#55

2-Chloroethyl vinyl ether

Concen: 0.391 ug/l

RT: 8.281 min Scan# 1173

Delta R.T. 0.042 min

Lab File: VX045290.D

Acq: 14 Mar 2025 12:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

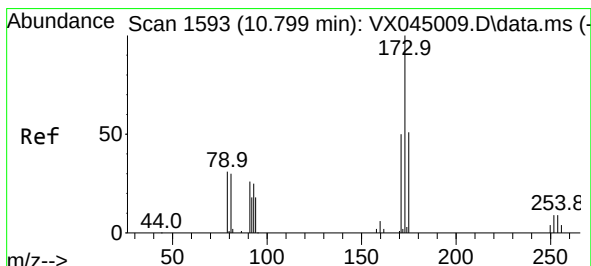
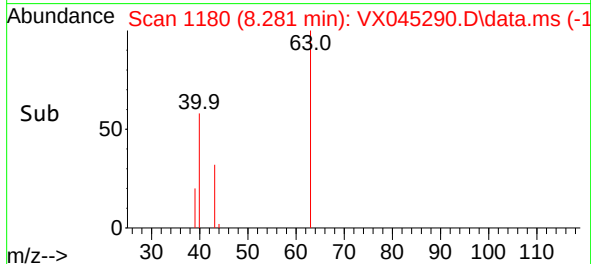
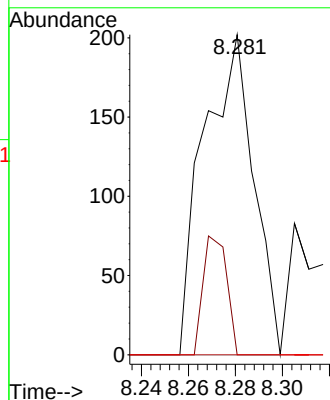
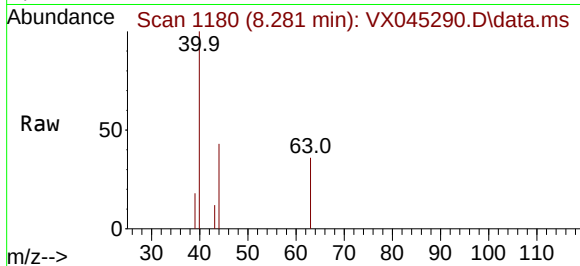
Tgt Ion: 63 Resp: 298

Ion Ratio Lower Upper

63 100

65 17.4 26.2 39.2#

106 0.0 21.2 31.8#



#56

Bromoform

Concen: 0.470 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX045290.D

Acq: 14 Mar 2025 12:32

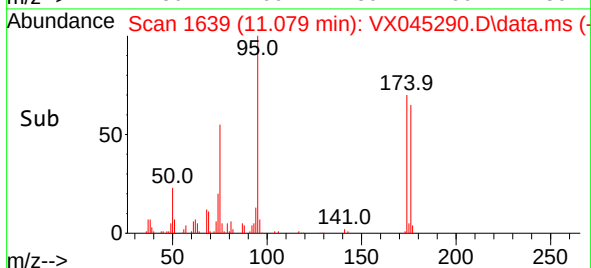
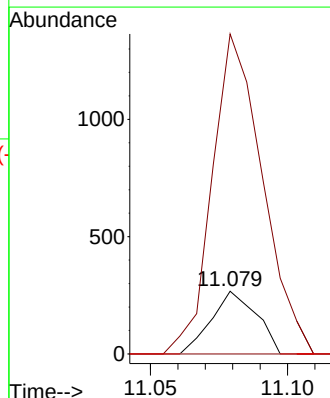
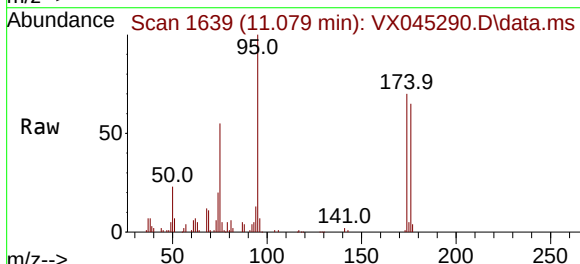
Tgt Ion:173 Resp: 307

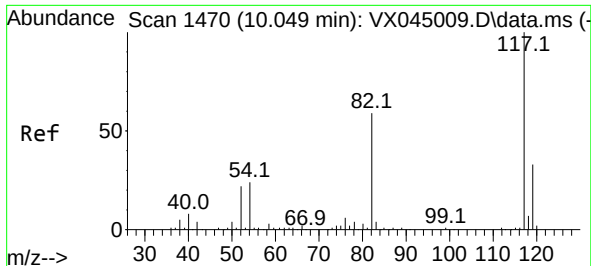
Ion Ratio Lower Upper

173 100

175 569.1 39.6 59.4#

254 0.0 6.3 9.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045290.D

Acq: 14 Mar 2025 12:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK

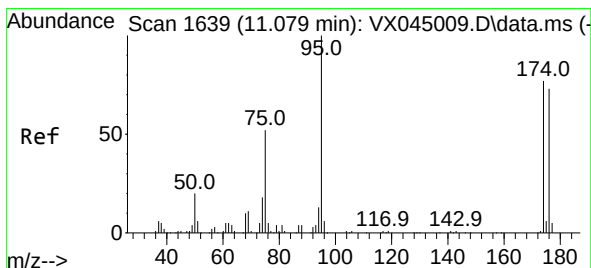
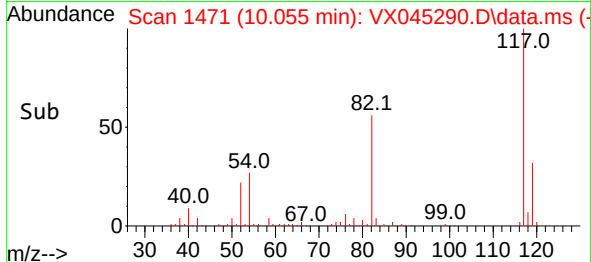
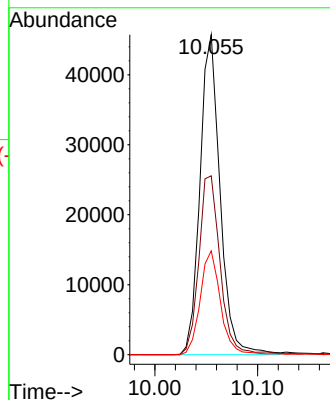
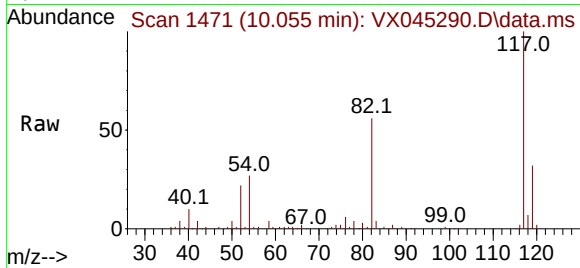
Tgt Ion:117 Resp: 62437

Ion Ratio Lower Upper

117 100

82 58.5 45.8 68.8

119 32.7 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 28.047 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045290.D

Acq: 14 Mar 2025 12:32

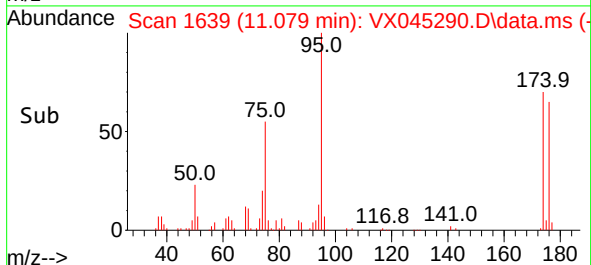
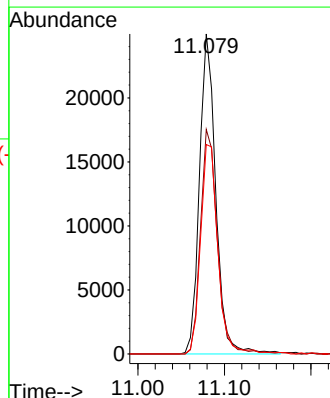
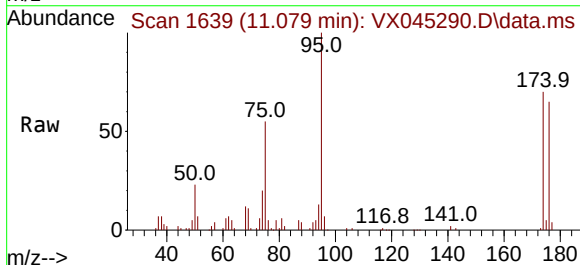
Tgt Ion: 95 Resp: 32732

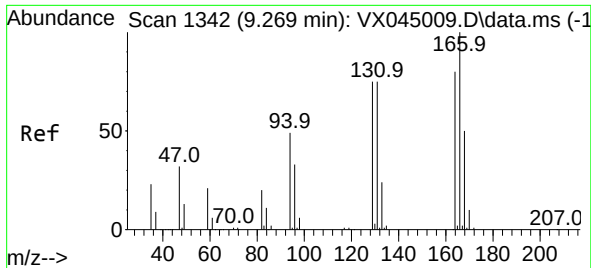
Ion Ratio Lower Upper

95 100

174 72.1 59.5 89.3

176 68.5 55.5 83.3

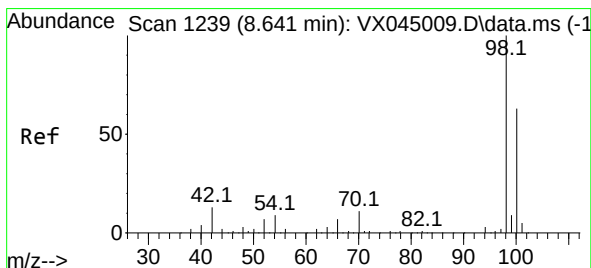
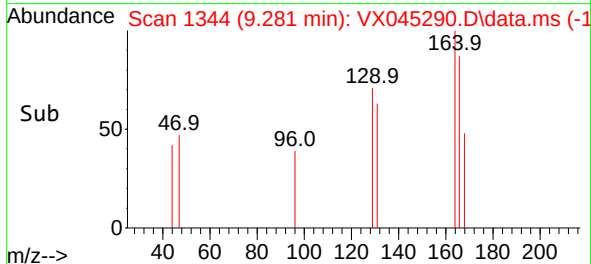
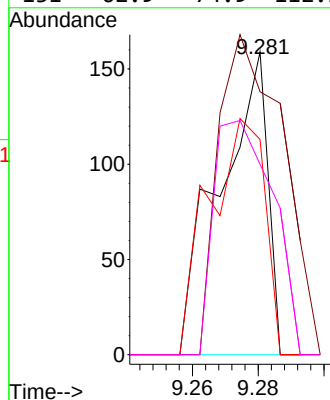
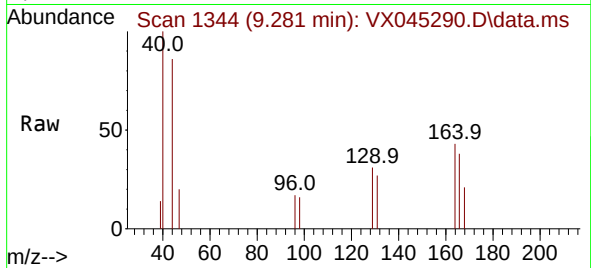




#61
Tetrachloroethene
Concen: 0.208 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

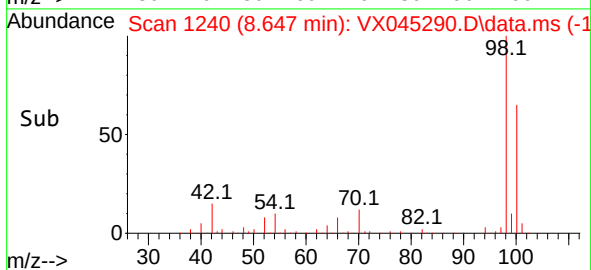
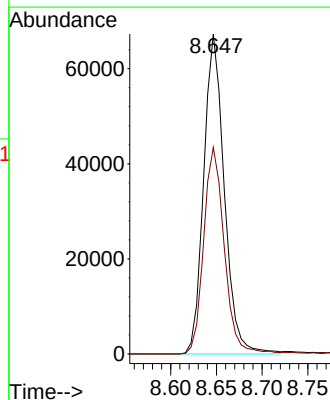
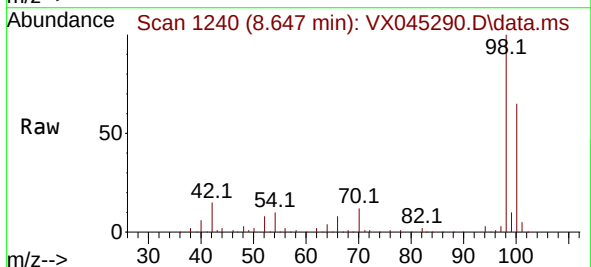
Instrument :
MSVOA_X
ClientSampleId :
IBLK

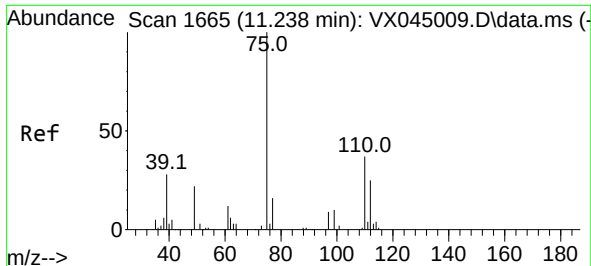
Tgt Ion:164 Resp: 160
Ion Ratio Lower Upper
164 100
166 86.8 100.3 150.5#
129 71.1 75.5 113.3#
131 62.9 74.9 112.3#



#63
Toluene-d8
Concen: 30.505 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 98 Resp: 105369
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

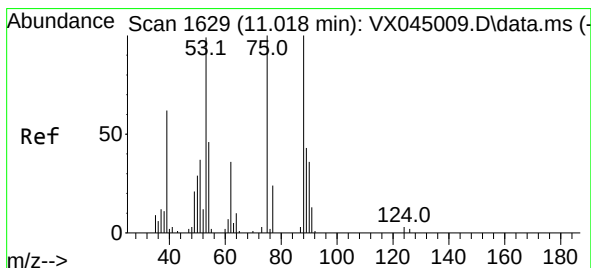
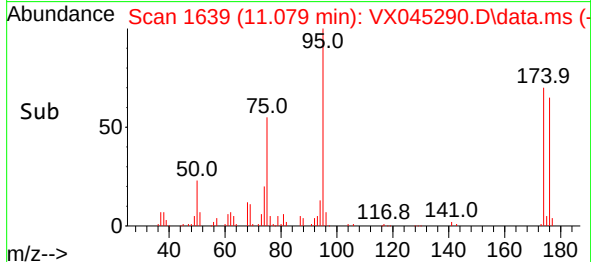
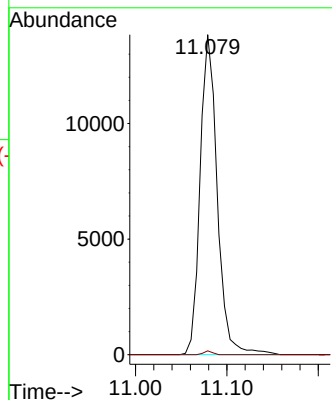
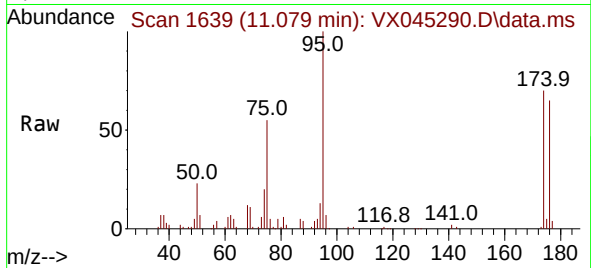




#72
1,2,3-Trichloropropane
Concen: 15.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

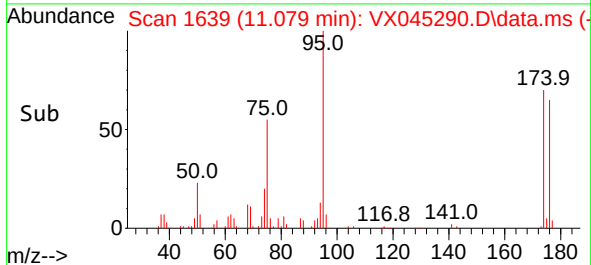
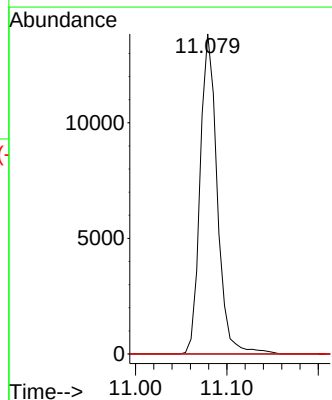
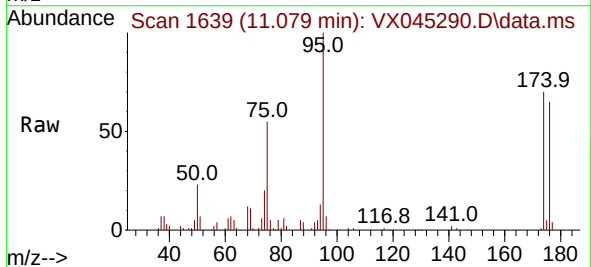
Instrument :
MSVOA_X
ClientSampleId :
IBLK

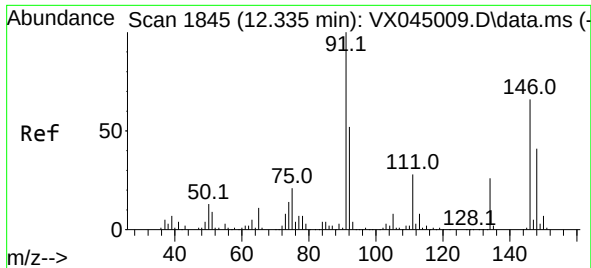
Tgt Ion: 75 Resp: 18030
Ion Ratio Lower Upper
75 100
77 0.6 0.0 84.0



#77
t-1,4-Dichloro-2-butene
Concen: 46.383 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion: 75 Resp: 18030
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

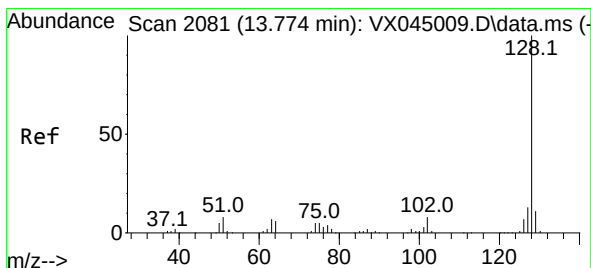
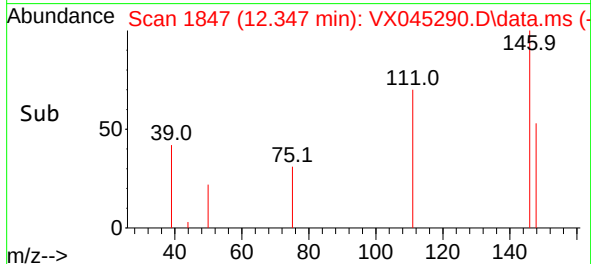
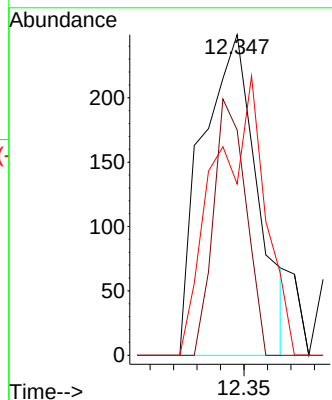
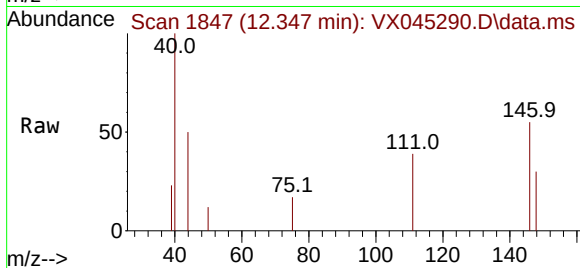




#87
1,2-Dichlorobenzene
Concen: 0.227 ug/l
RT: 12.347 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:146 Resp: 407
Ion Ratio Lower Upper
146 100
111 0.0 21.7 65.1#
148 34.6 31.8 95.4



#91
Naphthalene
Concen: 0.970 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045290.D
Acq: 14 Mar 2025 12:32

Tgt Ion:128 Resp: 3722
Ion Ratio Lower Upper
128 100
127 8.9 10.5 15.7#
129 8.4 8.7 13.1#

