

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045952.D
 Acq On : 28 Apr 2025 13:30
 Operator : JC/MD
 Sample : Q1871-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-B

Quant Time: Apr 29 01:33:42 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)

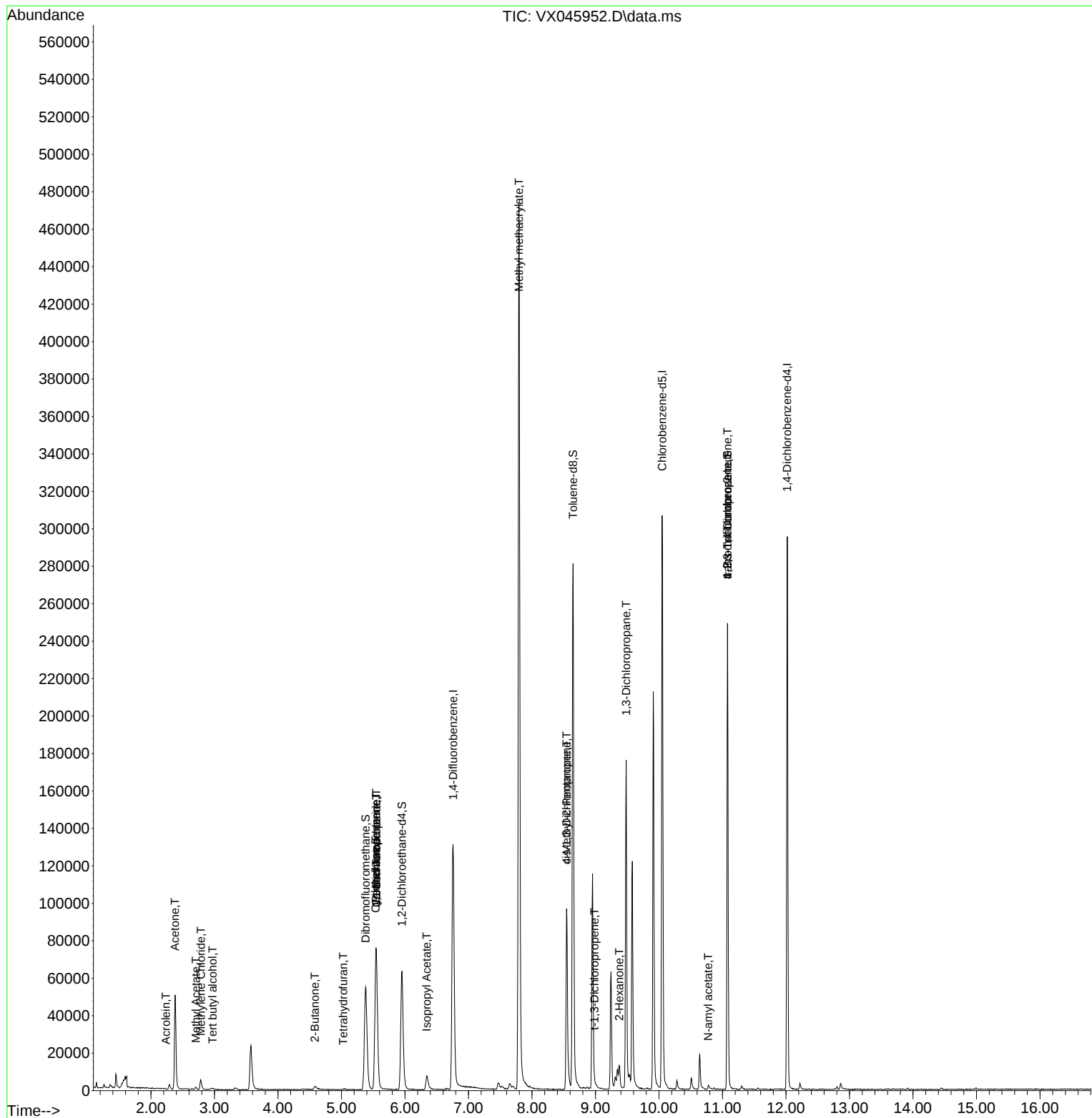
Internal Standards						
1) Pentafluorobenzene	5.544	168	64799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65424	55.210	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.420%			
35) Dibromofluoromethane	5.379	113	47311	52.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.380%			
50) Toluene-d8	8.647	98	164387	51.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.920%			
62) 4-Bromofluorobenzene	11.079	95	62761	54.458	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.920%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	845	5.306	ug/l #	72
13) Acrolein	2.233	56	48	0.219	ug/l #	1
16) Acetone	2.380	43	55773	114.619	ug/l	95
18) Methyl Acetate	2.709	43	1698	1.516	ug/l	94
20) Methylene Chloride	2.788	84	2376	2.608	ug/l #	87
25) 2-Butanone	4.581	43	3778	5.304	ug/l	94
29) Tetrahydrofuran	5.026	42	147	0.318	ug/l #	35
31) Cyclohexane	5.538	56	1978	1.361	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	6182	5.051	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7704	5.824	ug/l #	15
43) Isopropyl Acetate	6.342	43	11190	4.787	ug/l	97
48) Methyl methacrylate	7.793	41	47095	39.018	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	38898	25.100	ug/l #	48
53) t-1,3-Dichloropropene	8.982	75	42	2.318	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14615	10.877	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1313	0.837	ug/l #	42
59) 2-Hexanone	9.372	43	11965	10.426	ug/l #	28
74) N-amyl acetate	10.775	43	1422	0.704	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36265	28.214	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36265	95.757	ug/l #	1

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

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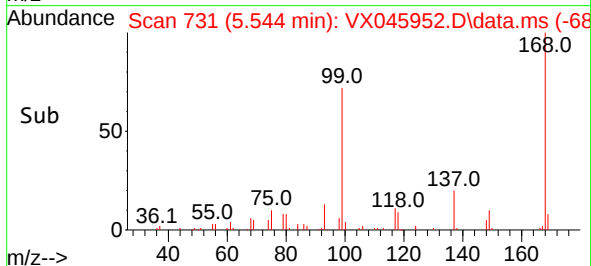
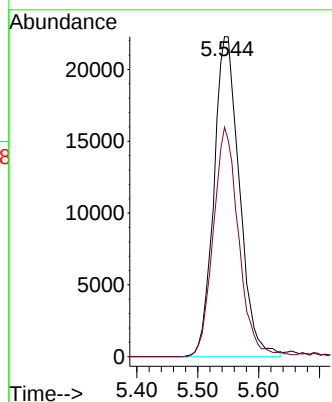
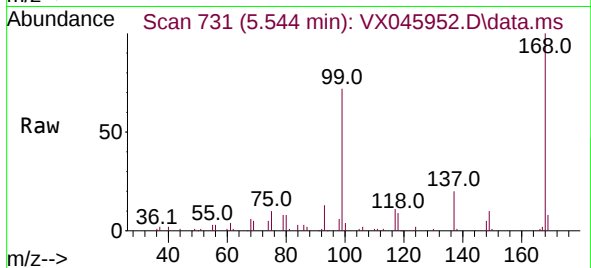




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

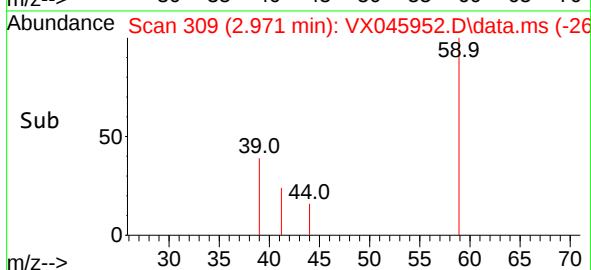
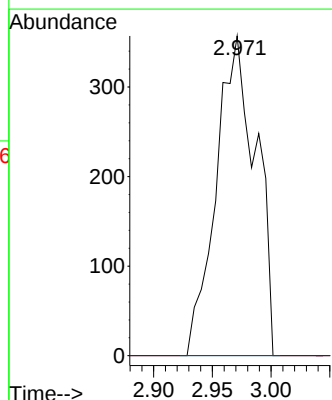
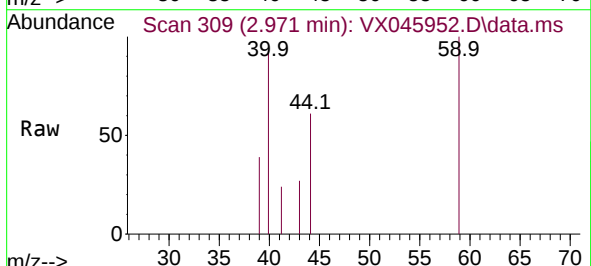
Instrument :
MSVOA_X
ClientSampleId :
MH-B

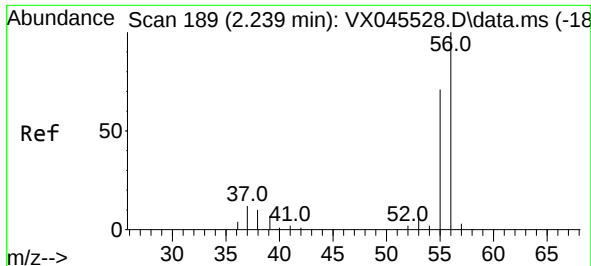
Tgt Ion:168 Resp: 64799
Ion Ratio Lower Upper
168 100
99 71.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.306 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.219 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

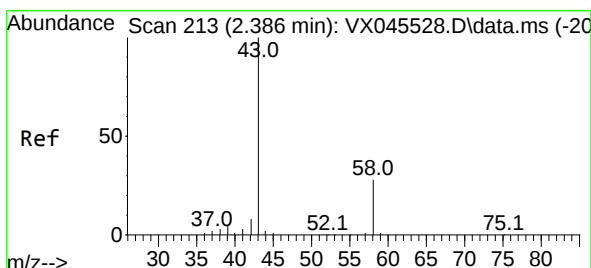
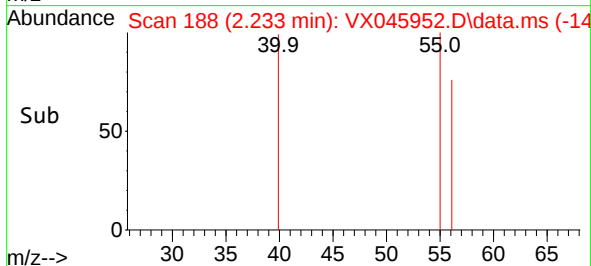
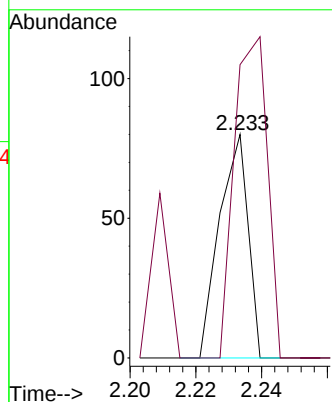
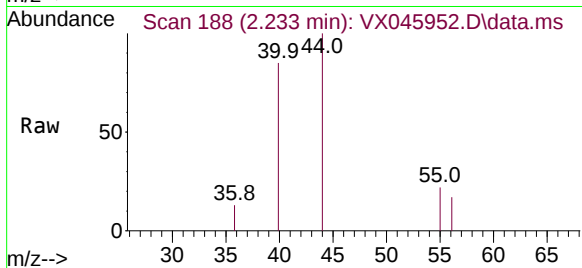
MH-B

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 166.7 56.2 84.2#



#16

Acetone

Concen: 114.619 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045952.D

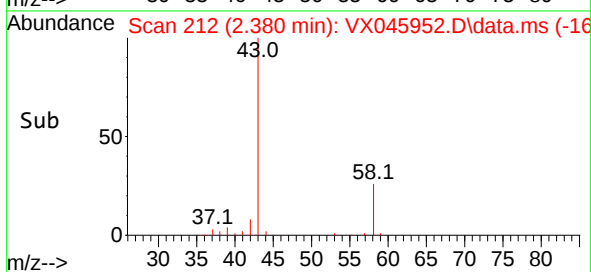
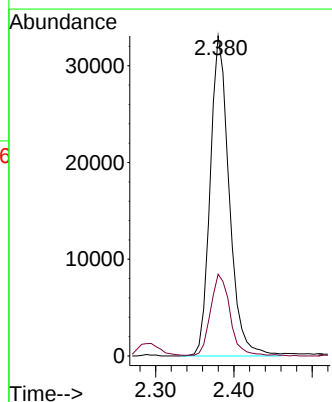
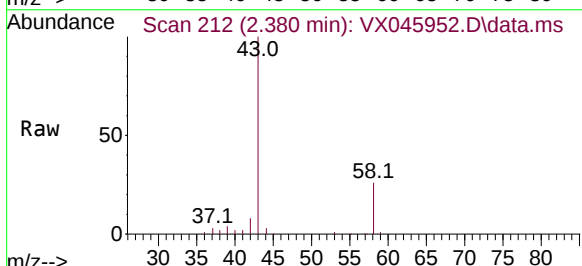
Acq: 28 Apr 2025 13:30

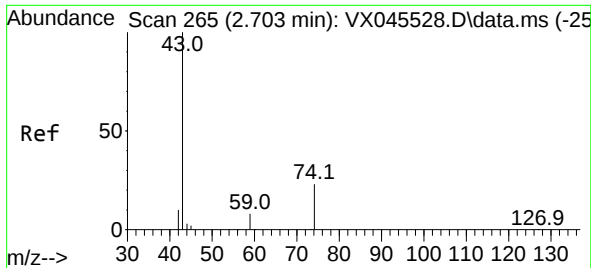
Tgt Ion: 43 Resp: 55773

Ion Ratio Lower Upper

43 100

58 25.4 22.3 33.5

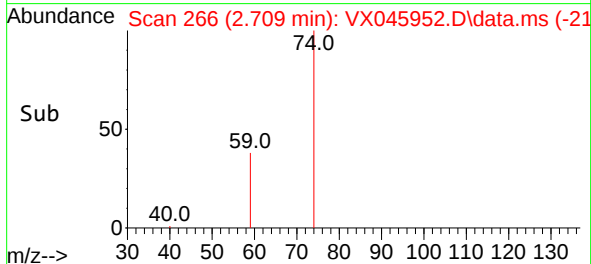
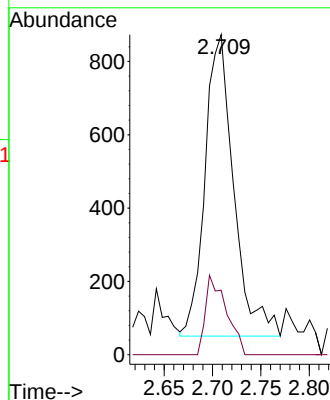
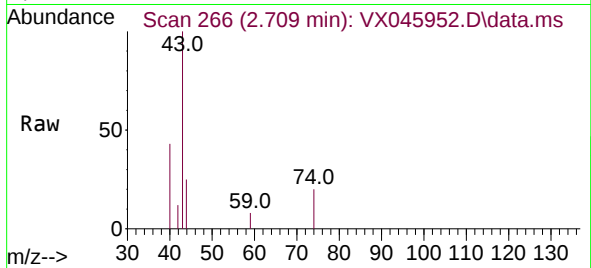




#18
Methyl Acetate
Concen: 1.516 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

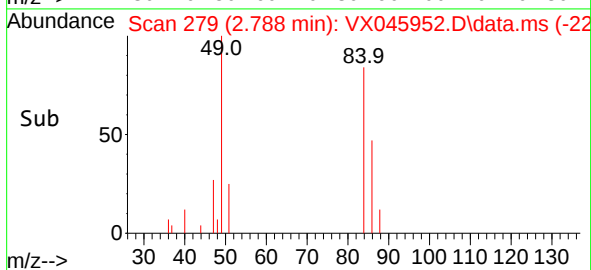
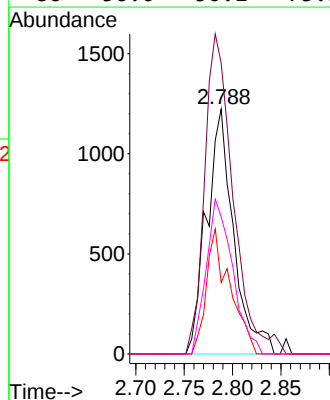
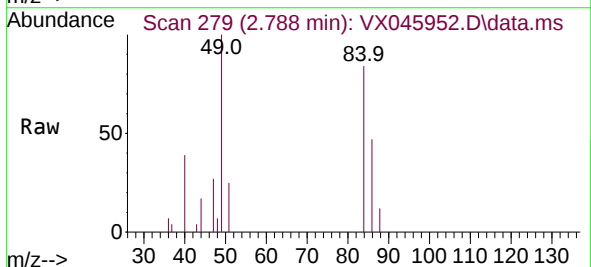
Instrument :
MSVOA_X
ClientSampleId :
MH-B

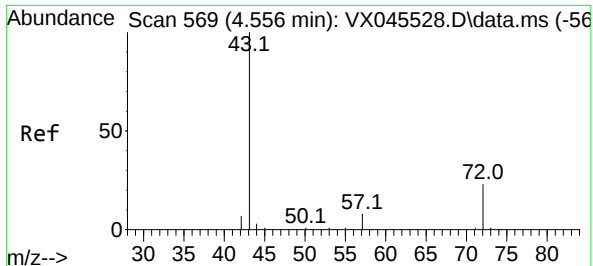
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
74 19.2 17.5 26.3



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 84 Resp: 2376
Ion Ratio Lower Upper
84 100
49 118.9 107.5 161.3
51 29.2 33.0 49.6#
86 56.0 50.1 75.1





#25

2-Butanone

Concen: 5.304 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

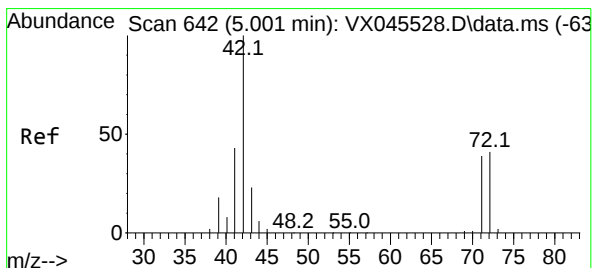
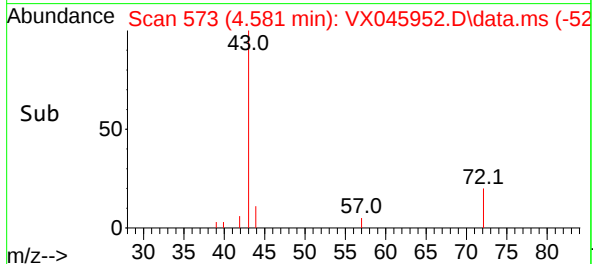
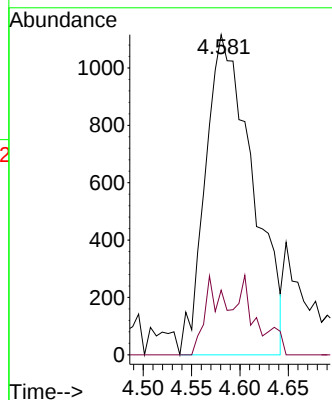
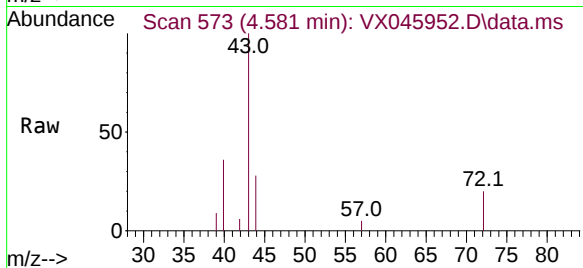
MH-B

Tgt Ion: 43 Resp: 3778

Ion Ratio Lower Upper

43 100

72 20.2 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.318 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.025 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

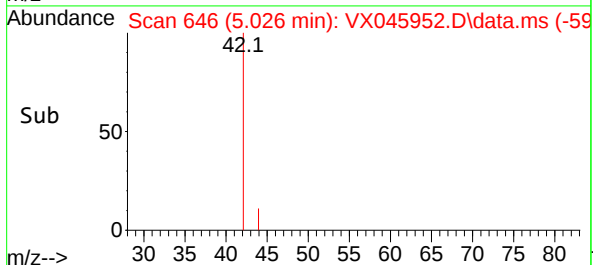
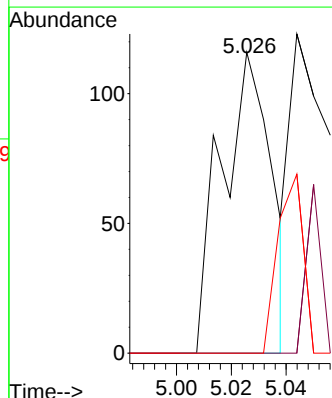
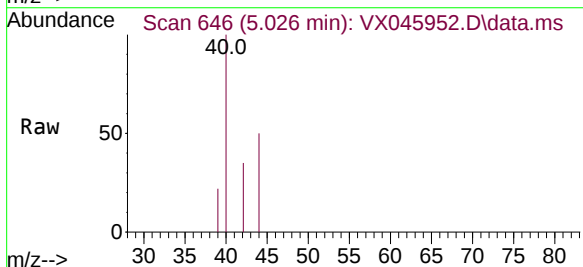
Tgt Ion: 42 Resp: 147

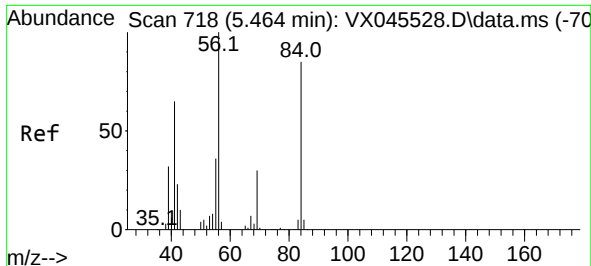
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

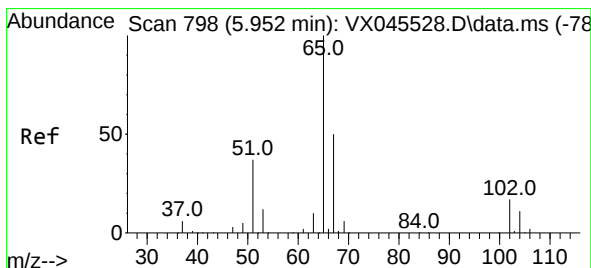
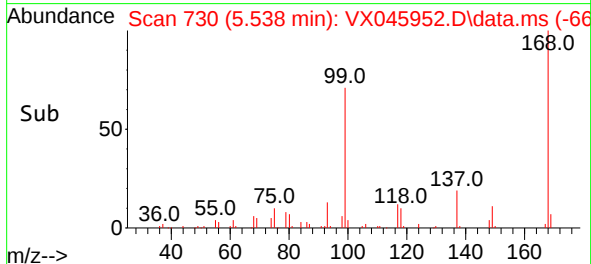
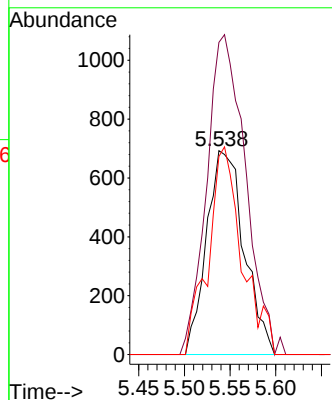
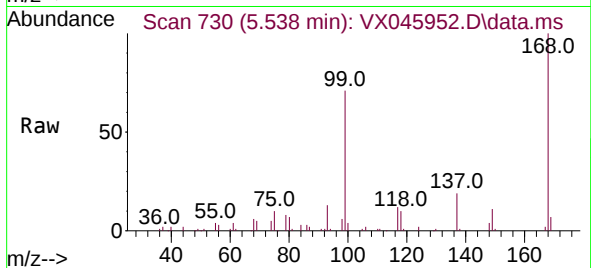




#31
Cyclohexane
Concen: 1.361 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

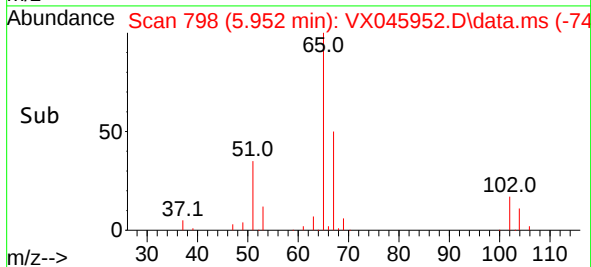
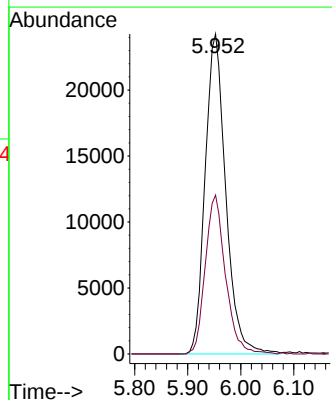
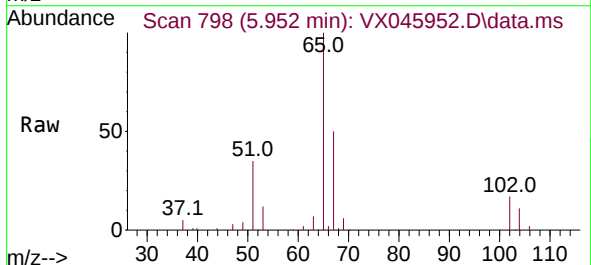
Instrument :
MSVOA_X
ClientSampleId :
MH-B

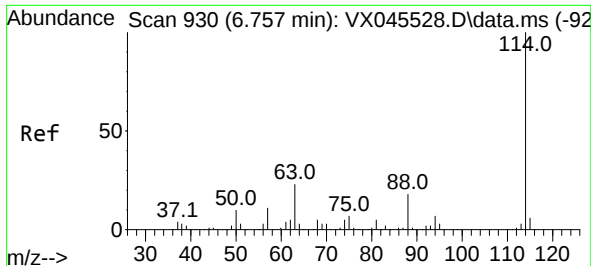
Tgt Ion: 56 Resp: 1978
Ion Ratio Lower Upper
56 100
69 153.1 23.6 35.4#
84 97.1 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.210 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 65 Resp: 65424
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.0

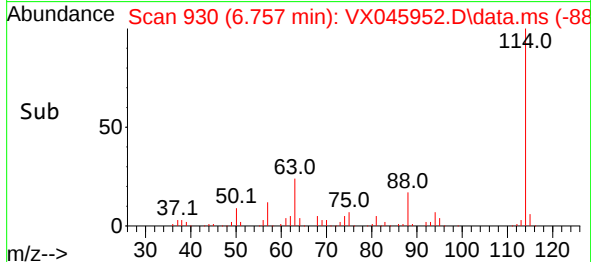
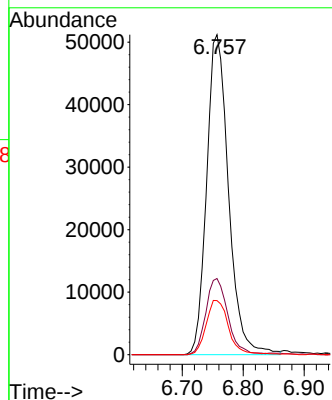
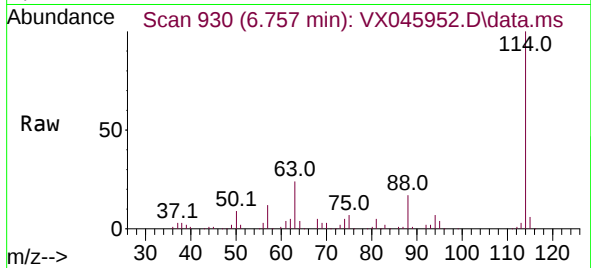




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

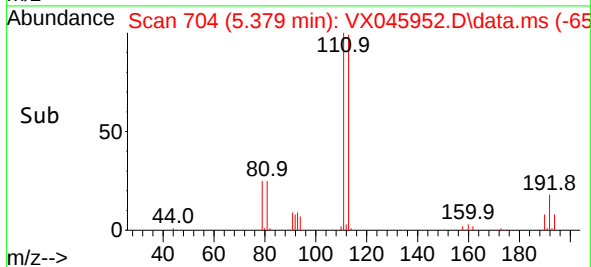
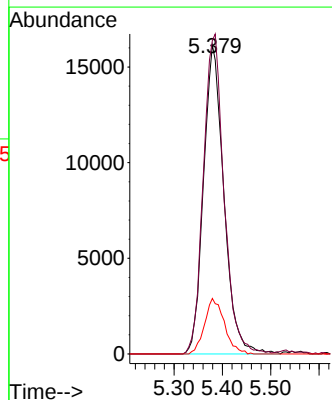
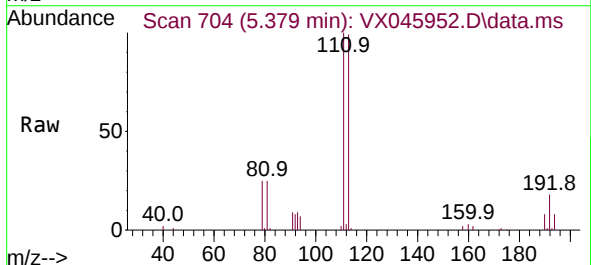
Instrument :
MSVOA_X
ClientSampleId :
MH-B

Tgt Ion:114 Resp: 127762
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.192 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion:113 Resp: 47311
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.6
192 17.5 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 5.550 min Scan# 712

Delta R.T. -0.134 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

MH-B

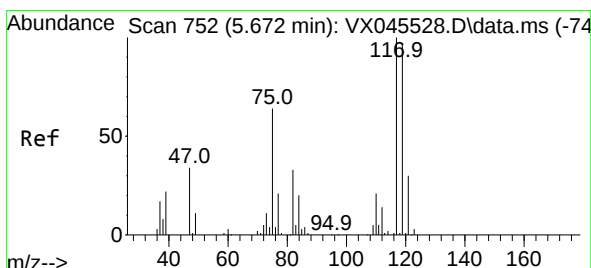
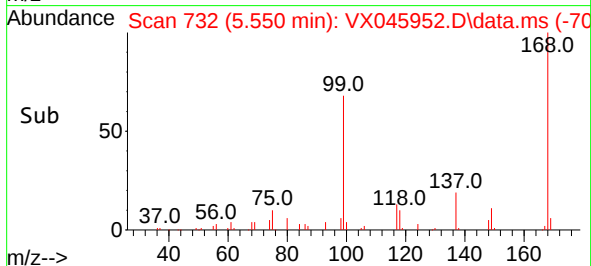
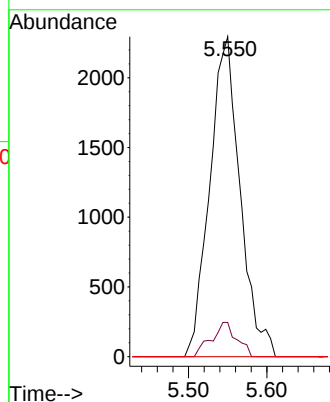
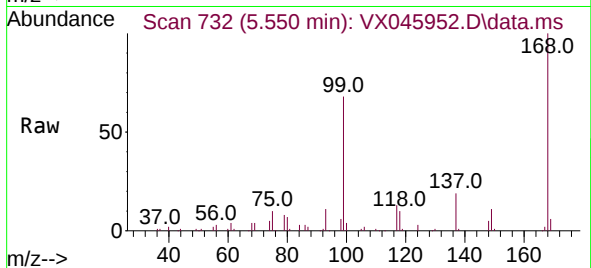
Tgt Ion: 75 Resp: 6182

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.824 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

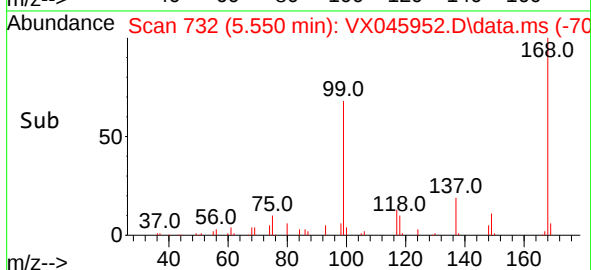
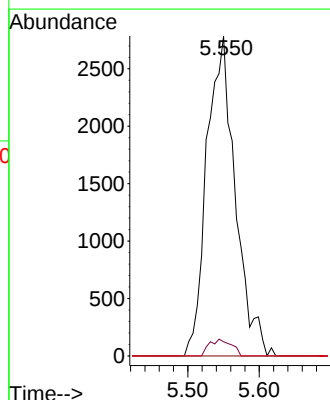
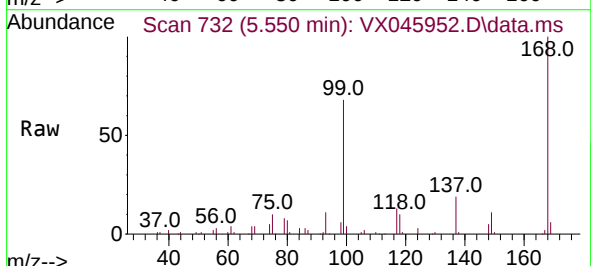
Tgt Ion: 117 Resp: 7704

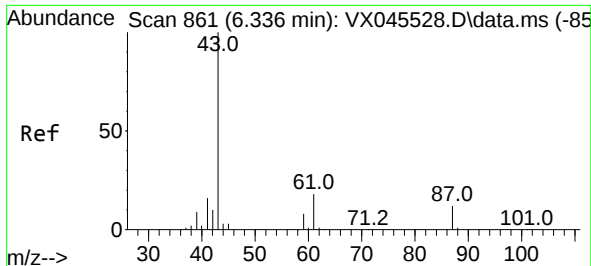
Ion Ratio Lower Upper

117 100

119 4.5 76.9 115.3#

121 0.0 24.2 36.2#

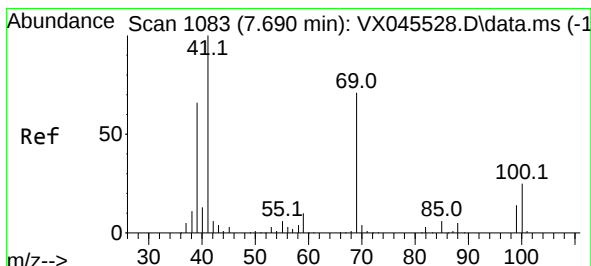
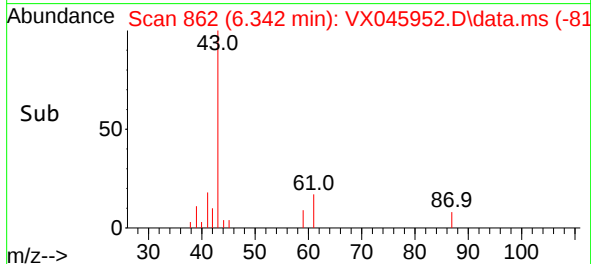
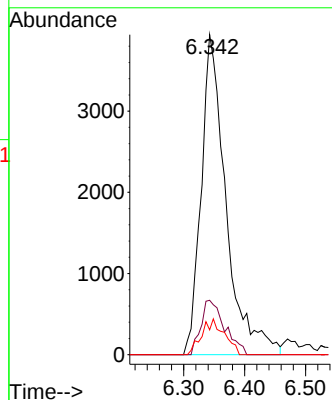
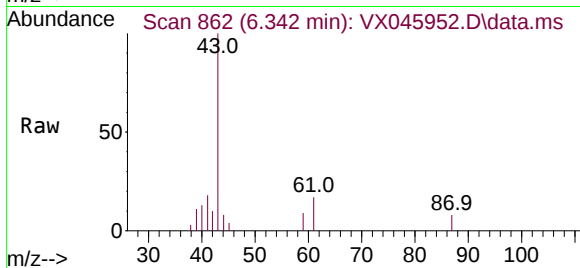




#43
Isopropyl Acetate
Concen: 4.787 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

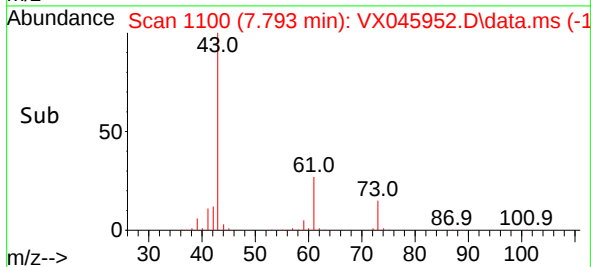
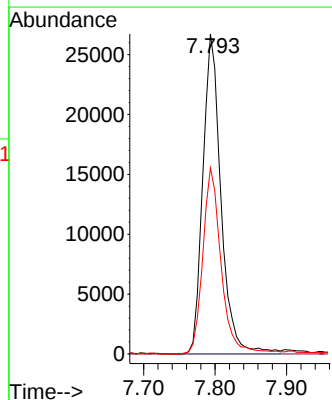
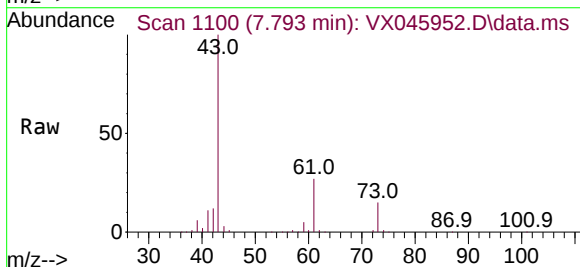
Instrument :
MSVOA_X
ClientSampleId :
MH-B

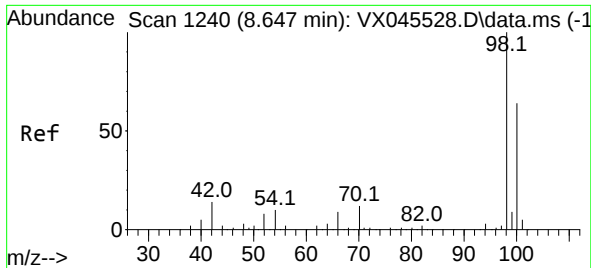
Tgt Ion: 43 Resp: 11190
Ion Ratio Lower Upper
43 100
61 16.3 14.1 21.1
87 10.1 9.2 13.8



#48
Methyl methacrylate
Concen: 39.018 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 41 Resp: 47095
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4

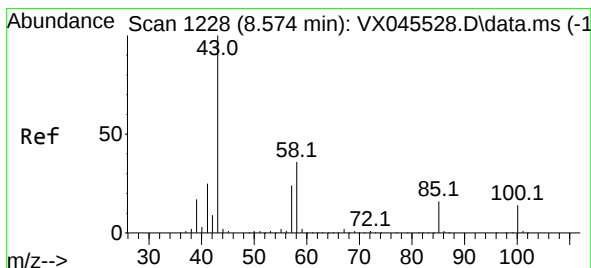
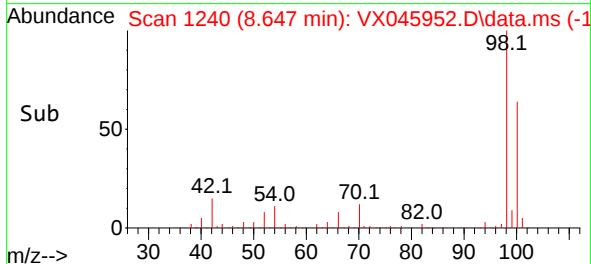
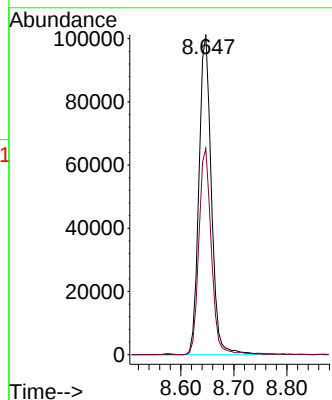
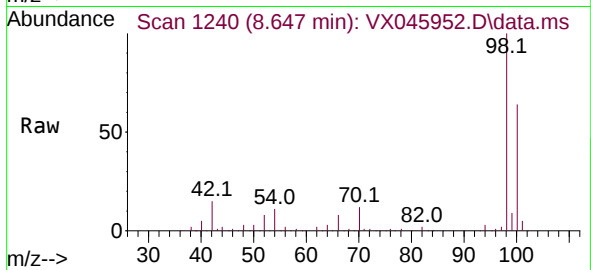




#50
Toluene-d8
Concen: 51.956 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

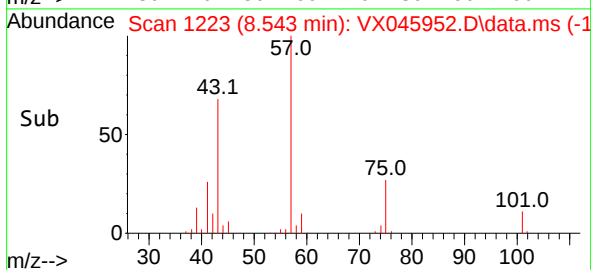
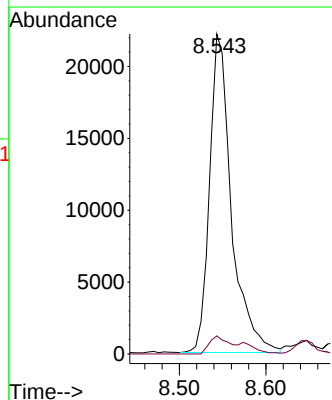
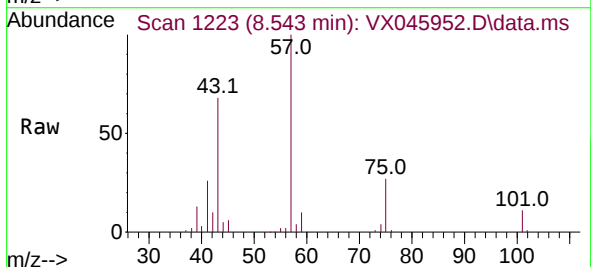
Instrument :
MSVOA_X
ClientSampleId :
MH-B

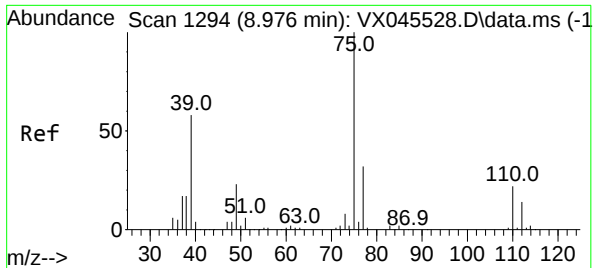
Tgt Ion: 98 Resp: 164387
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.100 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 43 Resp: 38898
Ion Ratio Lower Upper
43 100
58 5.4 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.318 ug/l

RT: 8.982 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

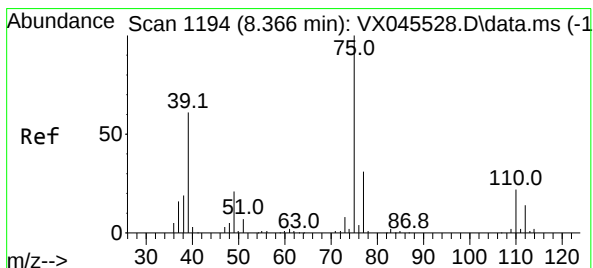
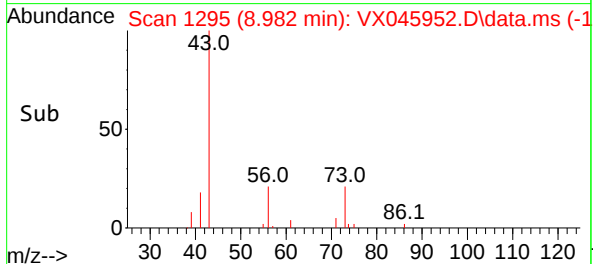
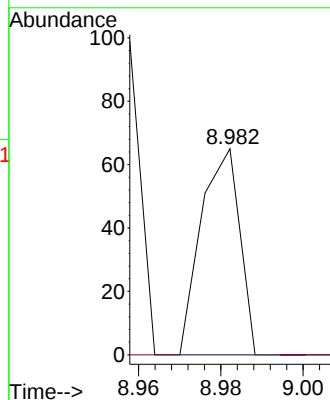
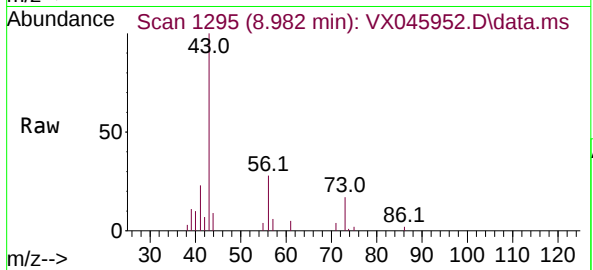
MH-B

Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.877 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

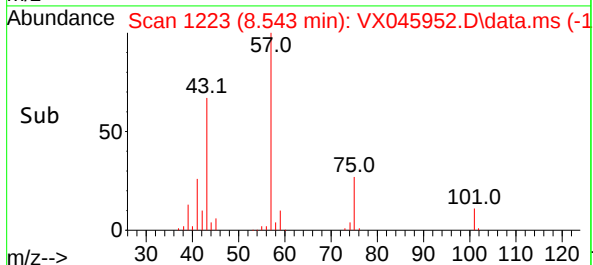
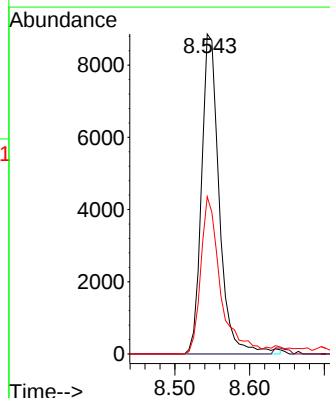
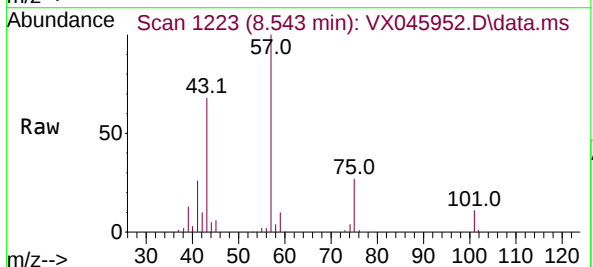
Tgt Ion: 75 Resp: 14615

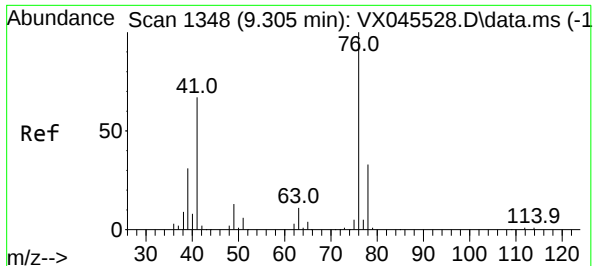
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 49.2 48.4 72.6





#57

1,3-Dichloropropane

Concen: 0.837 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045952.D

Acq: 28 Apr 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

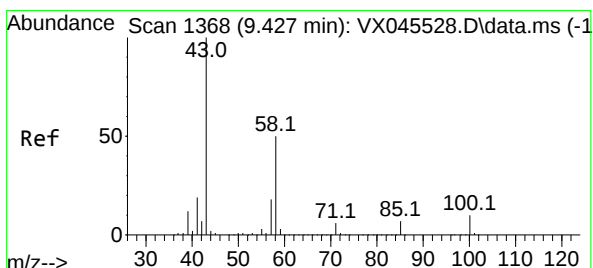
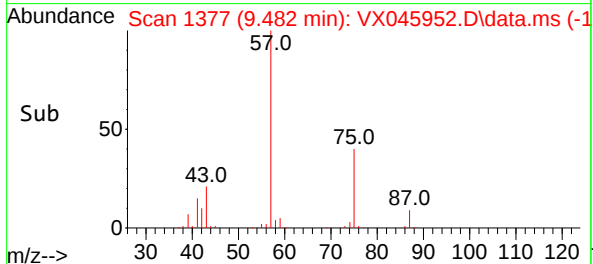
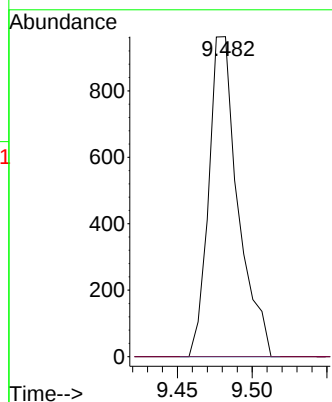
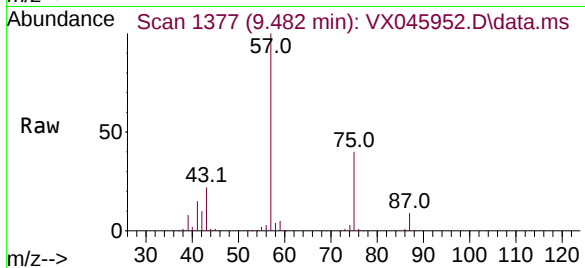
MH-B

Tgt Ion: 76 Resp: 1313

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.426 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045952.D

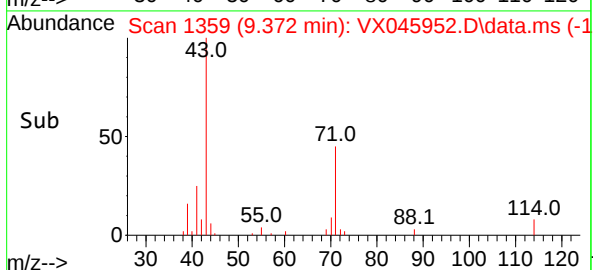
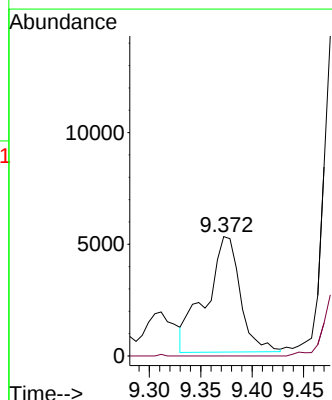
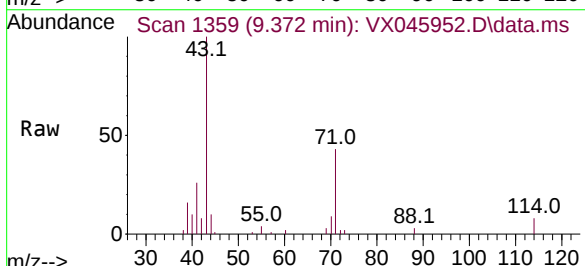
Acq: 28 Apr 2025 13:30

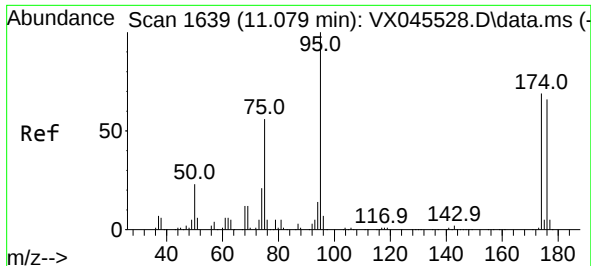
Tgt Ion: 43 Resp: 11965

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

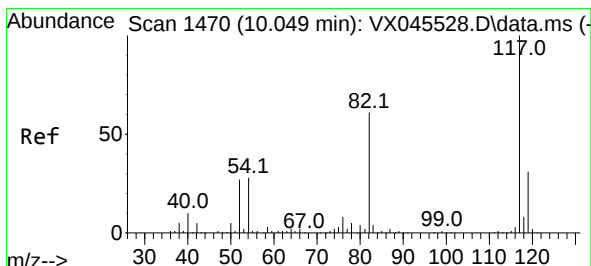
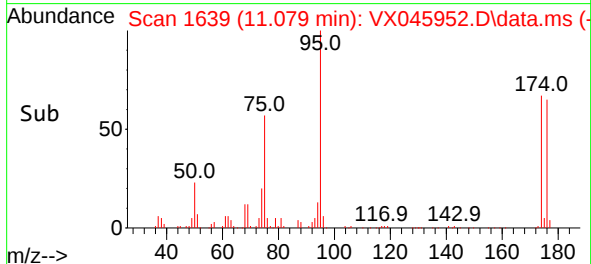
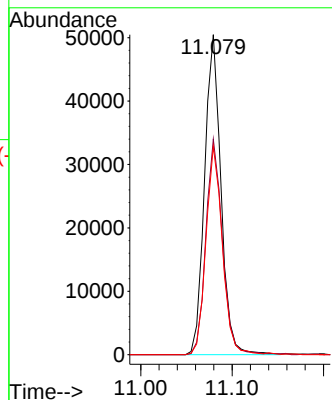
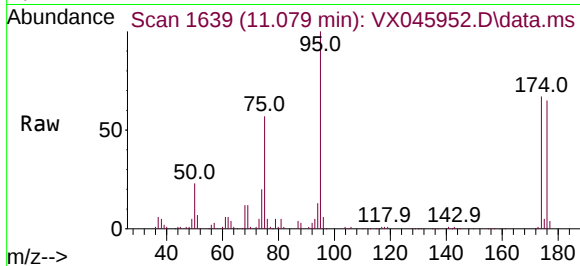




#62
4-Bromofluorobenzene
Concen: 54.458 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

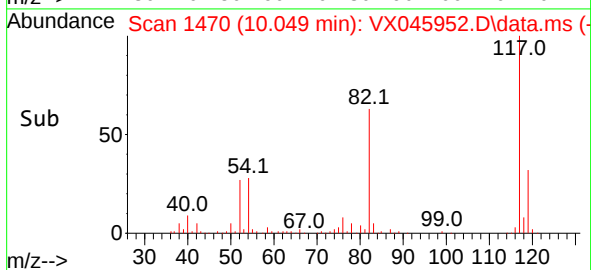
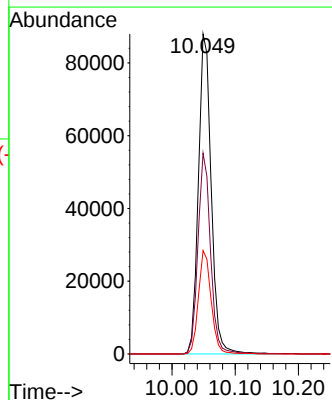
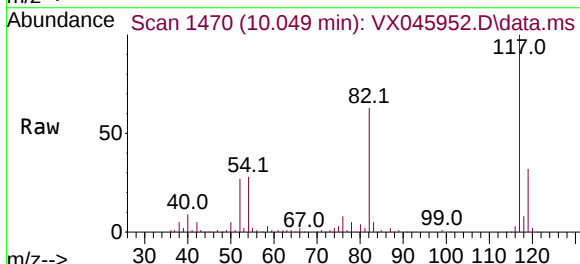
Instrument :
MSVOA_X
ClientSampleId :
MH-B

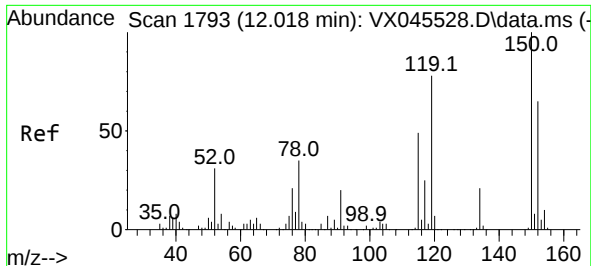
Tgt Ion: 95 Resp: 62761
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.8
176 65.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 117 Resp: 124401
Ion Ratio Lower Upper
117 100
82 62.7 49.2 73.8
119 32.3 25.1 37.7

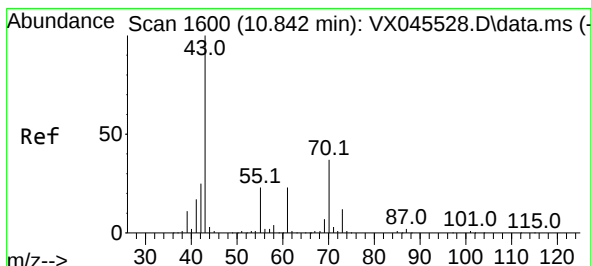
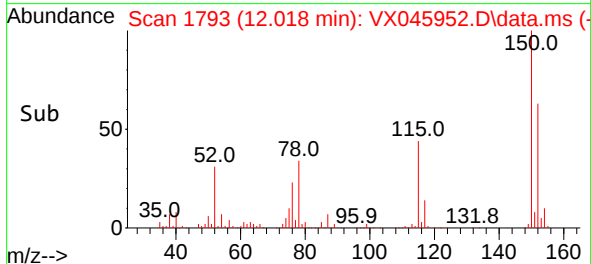
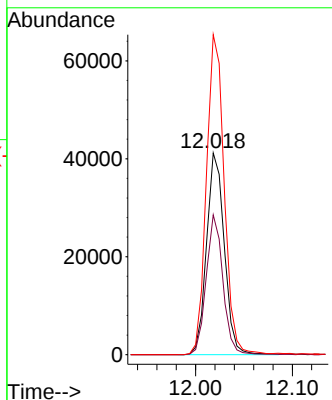
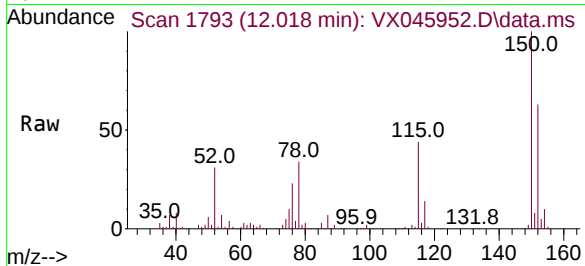




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

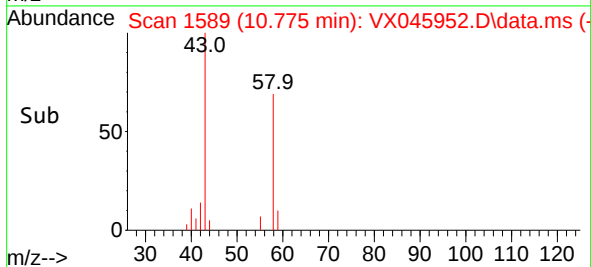
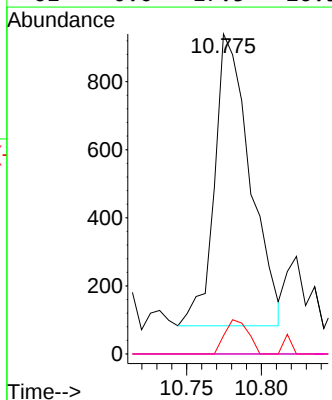
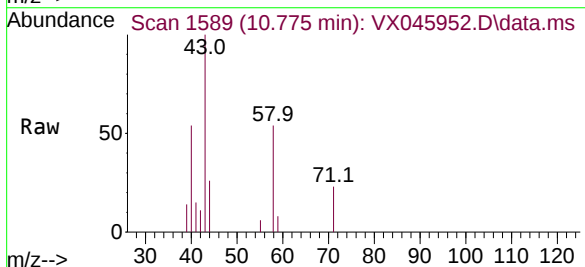
Instrument :
MSVOA_X
ClientSampleId :
MH-B

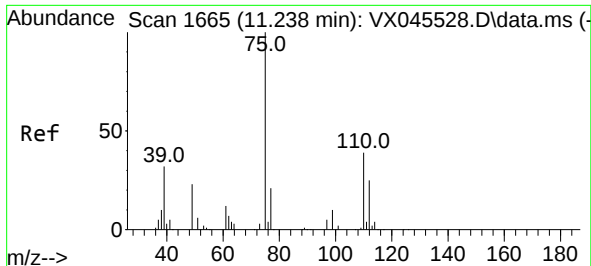
Tgt Ion:152 Resp: 52694
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 158.6 0.0 349.4



#74
N-ethyl acetate
Concen: 0.704 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 7.7 18.3 27.5#
61 0.0 17.5 26.3#

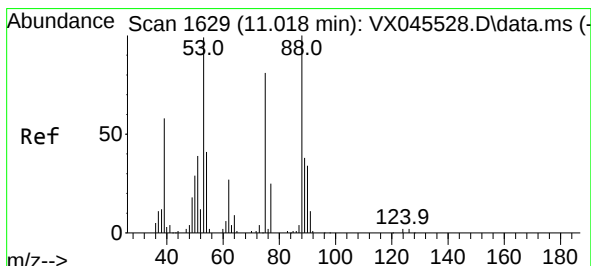
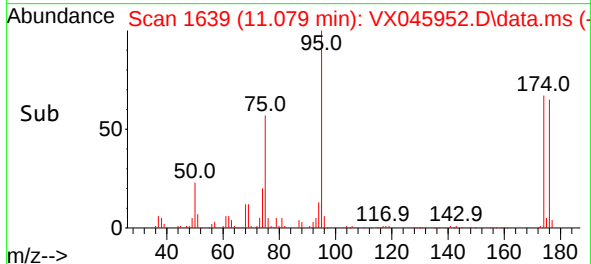
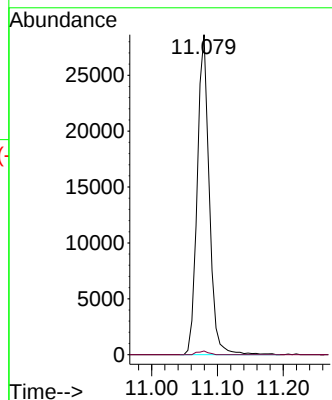
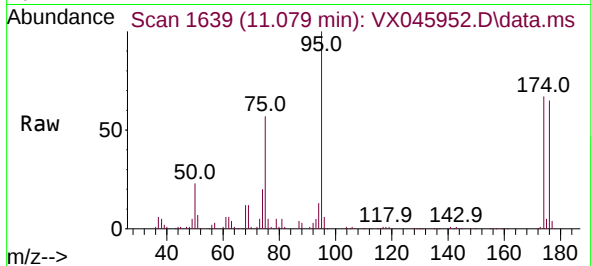




#76
1,2,3-Trichloropropane
Concen: 28.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :
MH-B

Tgt Ion: 75 Resp: 36265
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.757 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045952.D
Acq: 28 Apr 2025 13:30

Tgt Ion: 75 Resp: 36265
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

