

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045998.D
 Acq On : 30 Apr 2025 15:16
 Operator : JC/MD
 Sample : Q1905-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-H

Quant Time: May 01 03:37:44 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)

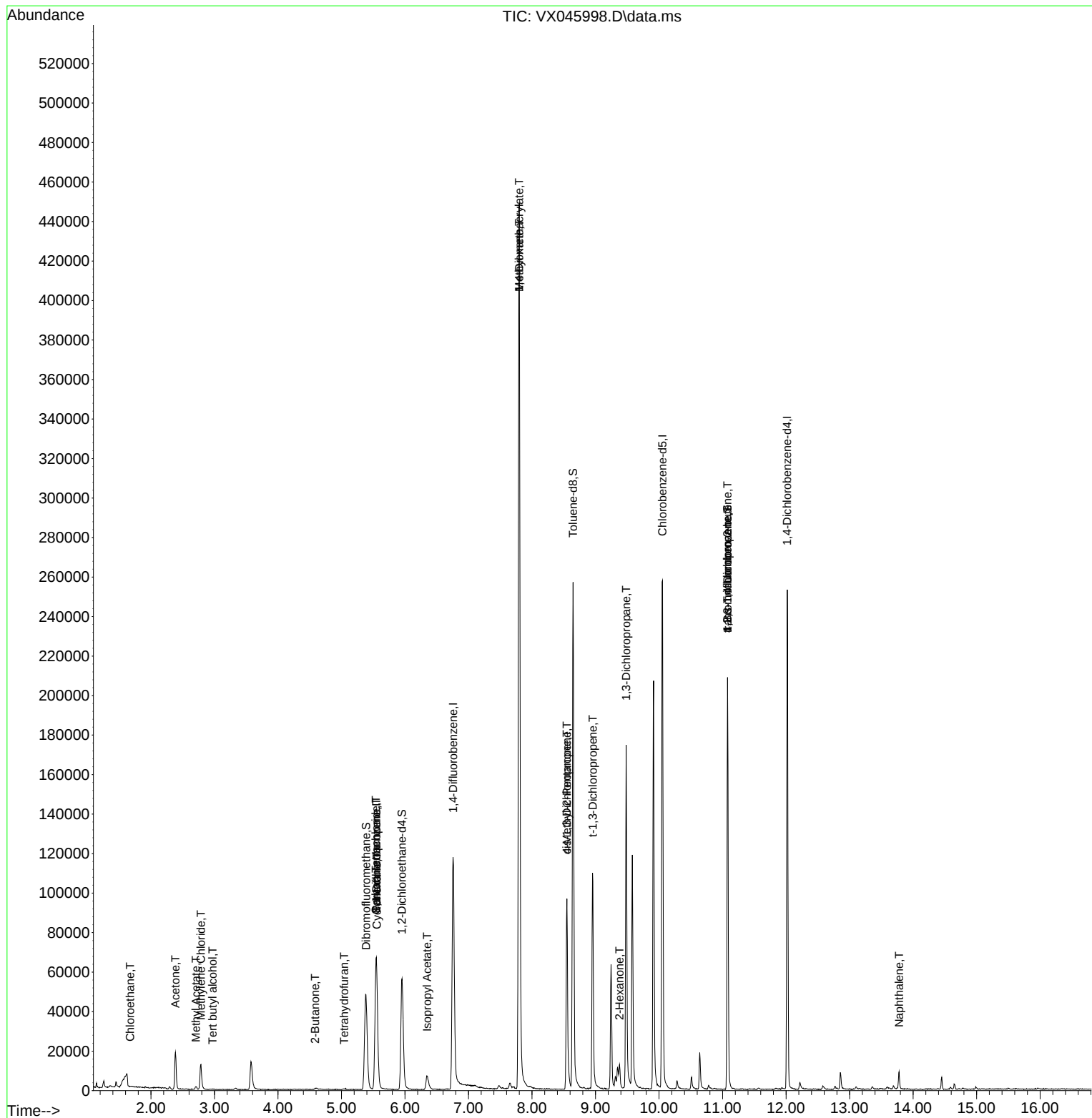
Internal Standards						
1) Pentafluorobenzene	5.550	168	58037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58818	55.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.840%	
35) Dibromofluoromethane	5.385	113	42771	52.650	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.300%	
50) Toluene-d8	8.647	98	145631	51.360	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	11.079	95	54567	52.833	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.660%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	90	0.208	ug/l #	42
11) Tert butyl alcohol	2.971	59	228	1.598	ug/l #	72
16) Acetone	2.386	43	21242	48.740	ug/l	95
18) Methyl Acetate	2.709	43	2079	2.072	ug/l #	84
20) Methylene Chloride	2.788	84	5938	7.278	ug/l #	88
25) 2-Butanone	4.586	43	1745	2.735	ug/l #	73
29) Tetrahydrofuran	5.044	42	276	0.667	ug/l #	41
31) Cyclohexane	5.556	56	1626	1.249	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	5573	5.081	ug/l #	51
38) Carbon Tetrachloride	5.544	117	6947	5.860	ug/l #	16
43) Isopropyl Acetate	6.348	43	11047	5.273	ug/l	100
48) Methyl methacrylate	7.799	41	44988	41.591	ug/l #	50
49) 1,4-Dioxane	7.799	88	44	2.248	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	37402	26.931	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	220	2.459	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14302	11.878	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1513	1.076	ug/l #	42
59) 2-Hexanone	9.378	43	10871	10.570	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	31676	27.994	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31676	95.007	ug/l #	1
95) Naphthalene	13.780	128	5741	1.784	ug/l	97

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

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Instrument :
MSVOA_X
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Quant Time: May 01 03:37:44 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

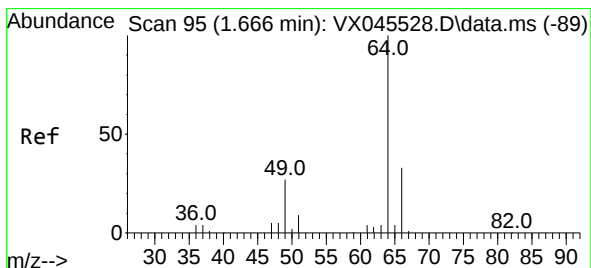
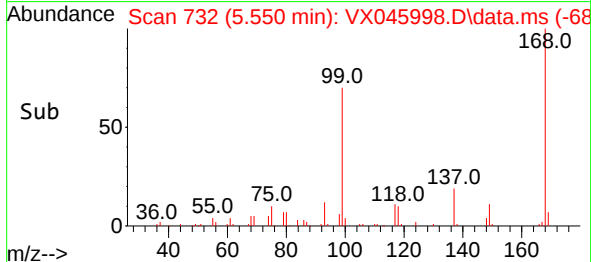
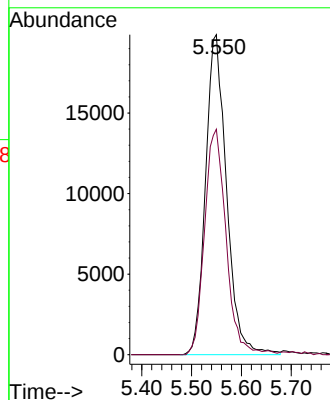
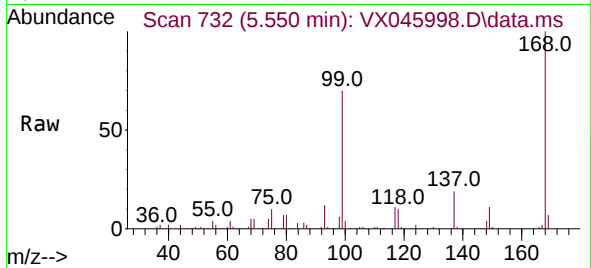




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

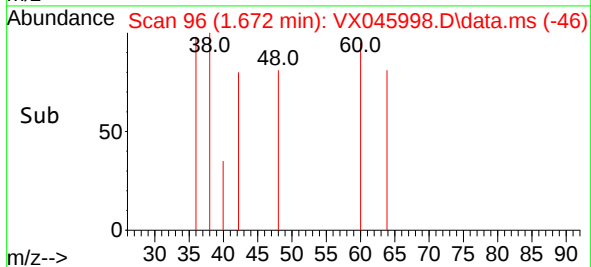
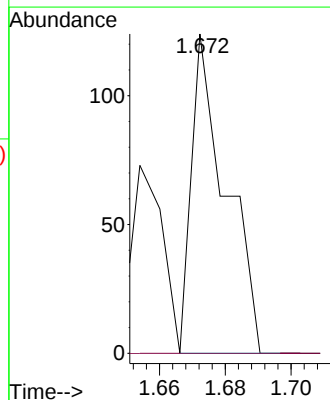
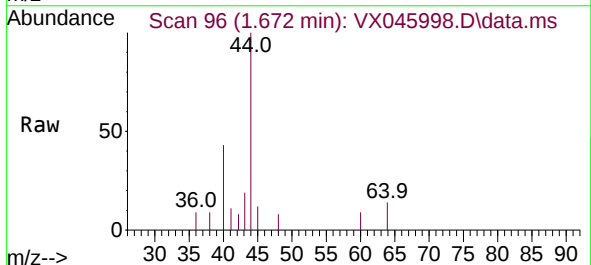
Instrument :
MSVOA_X
ClientSampleId :
MH-H

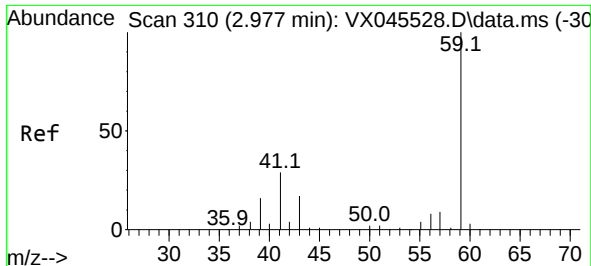
Tgt Ion:168 Resp: 58037
Ion Ratio Lower Upper
168 100
99 70.4 52.3 78.5



#6
Chloroethane
Concen: 0.208 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

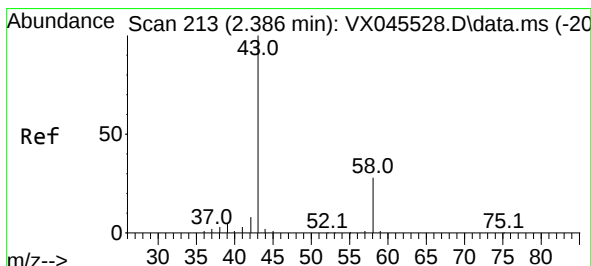
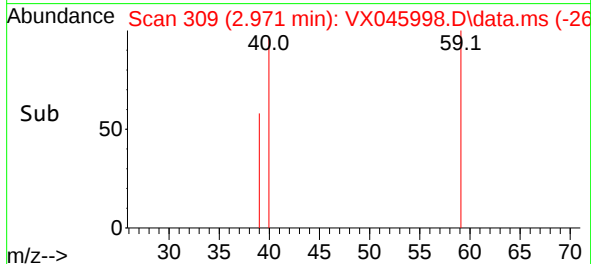
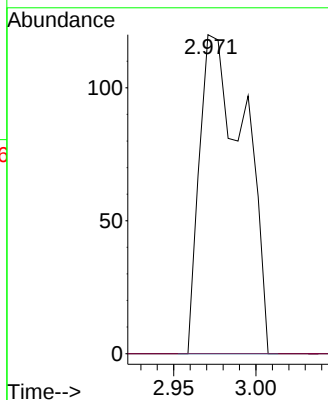
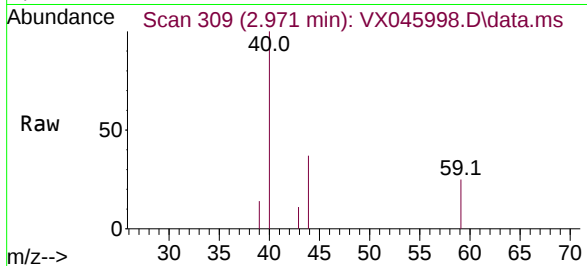




#11
Tert butyl alcohol
Concen: 1.598 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

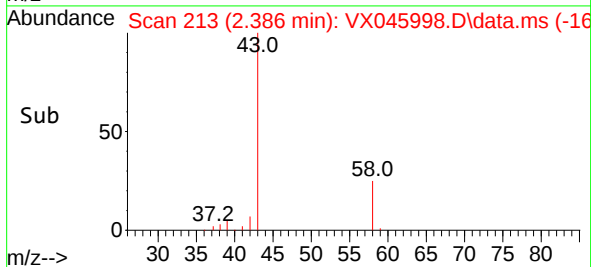
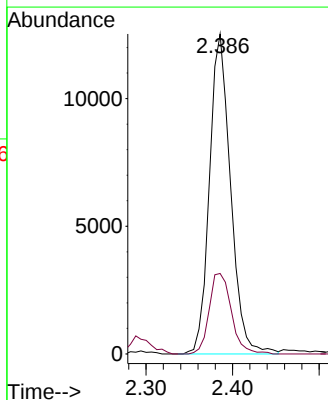
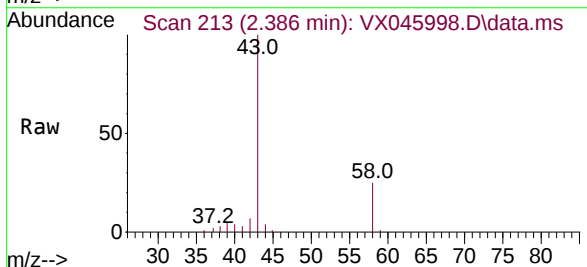
Instrument :
MSVOA_X
ClientSampleId :
MH-H

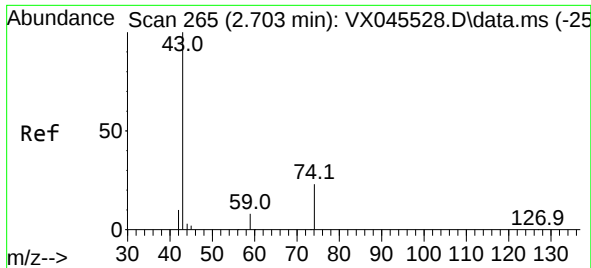
Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 48.740 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 43 Resp: 21242
Ion Ratio Lower Upper
43 100
58 25.2 22.3 33.5

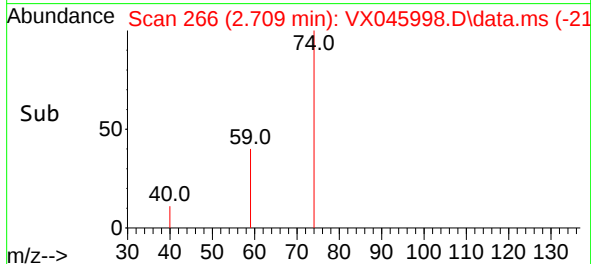
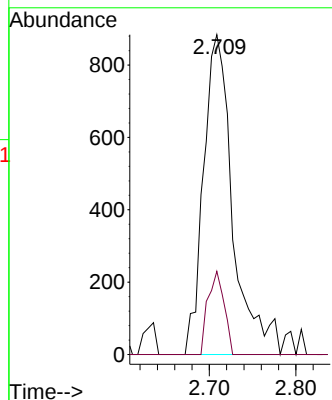
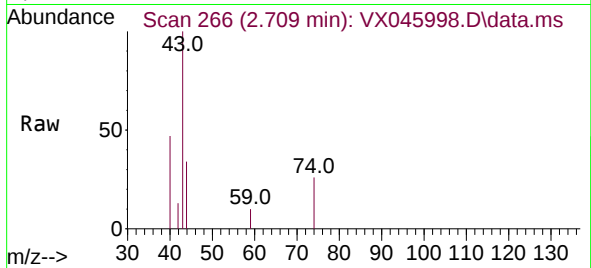




#18
Methyl Acetate
Concen: 2.072 ug/l
RT: 2.709 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

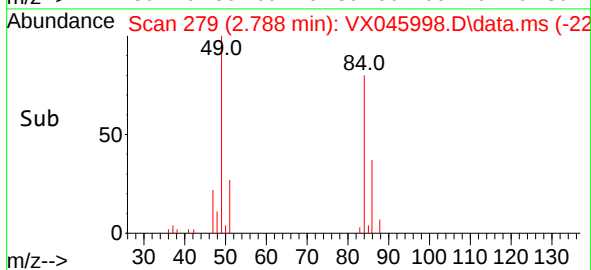
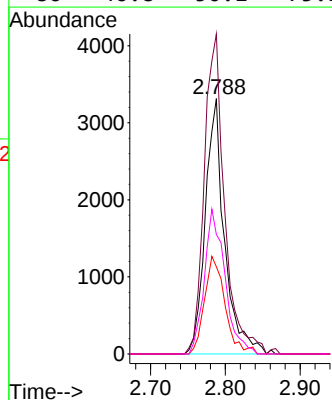
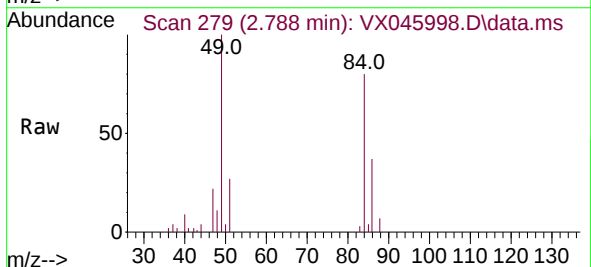
Instrument :
MSVOA_X
ClientSampleId :
MH-H

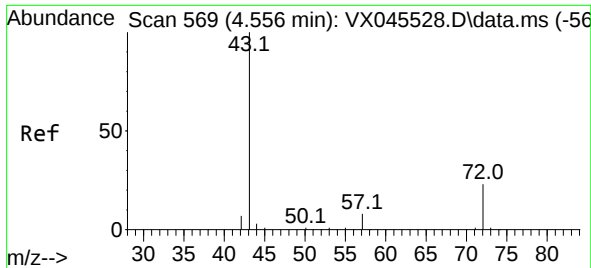
Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
74 14.3 17.5 26.3#



#20
Methylene Chloride
Concen: 7.278 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 84 Resp: 5938
Ion Ratio Lower Upper
84 100
49 125.3 107.5 161.3
51 34.1 33.0 49.6
86 46.8 50.1 75.1#

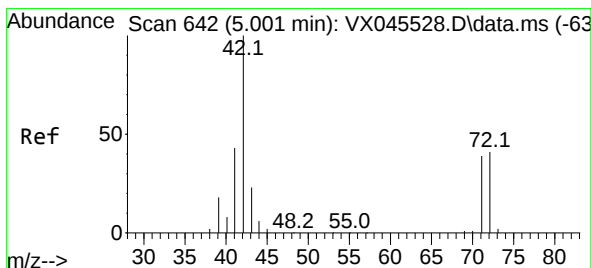
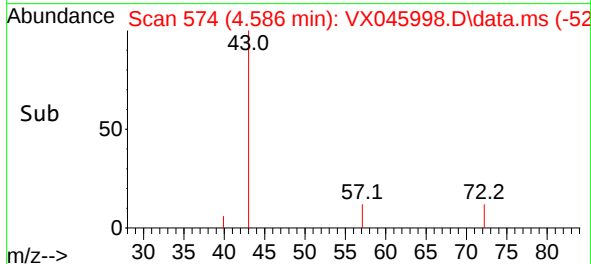
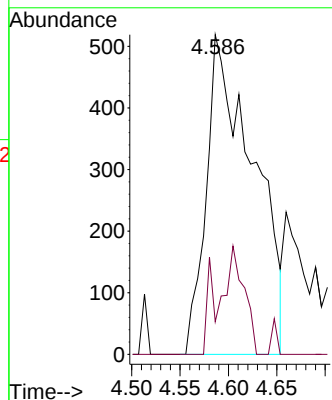
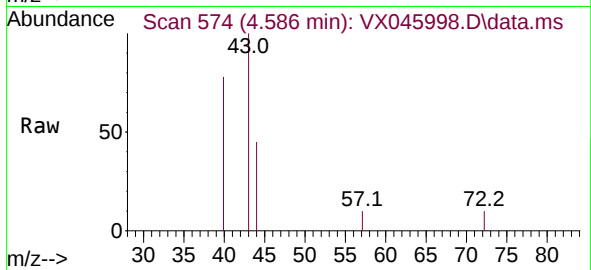




#25
2-Butanone
Concen: 2.735 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

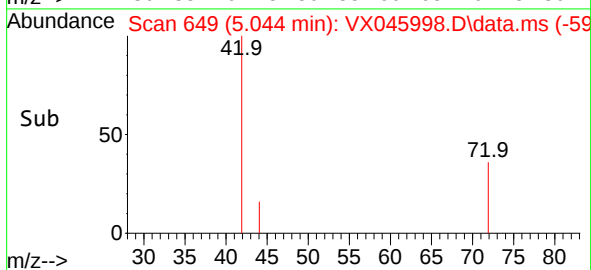
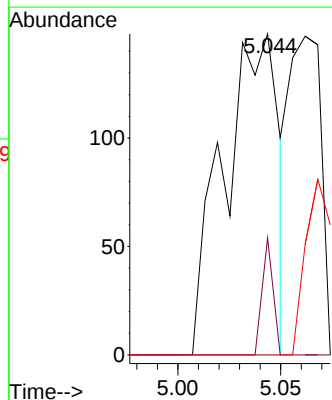
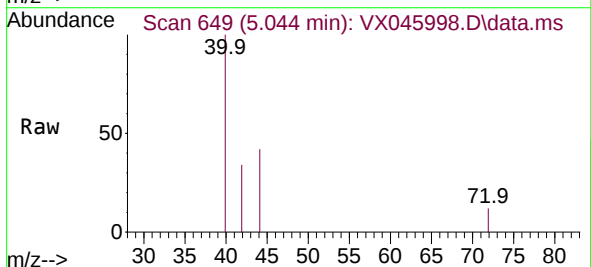
Instrument :
MSVOA_X
ClientSampleId :
MH-H

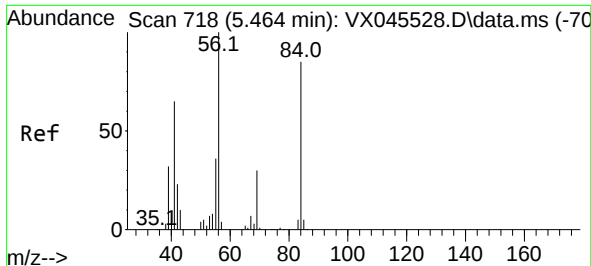
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
72 10.2 18.6 28.0#



#29
Tetrahydrofuran
Concen: 0.667 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 42 Resp: 276
Ion Ratio Lower Upper
42 100
72 7.2 33.4 50.0#
71 0.0 31.4 47.0#

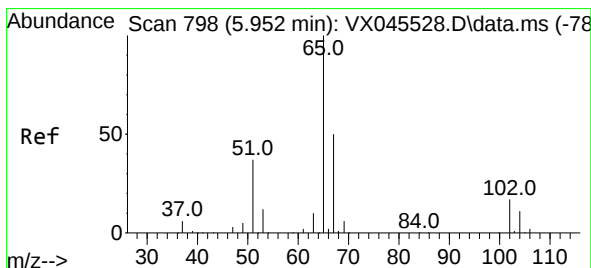
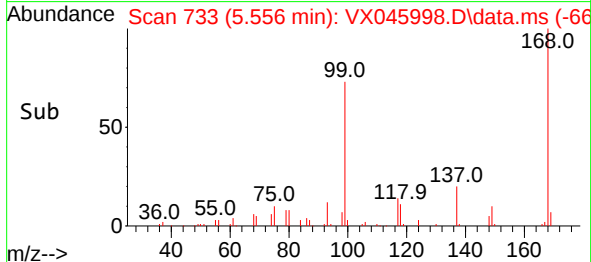
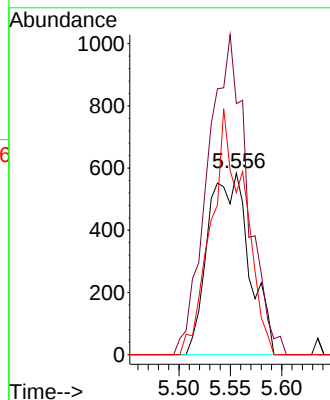
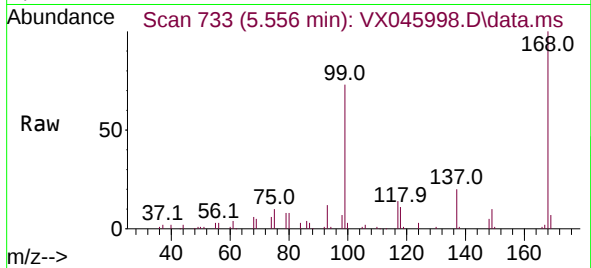




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

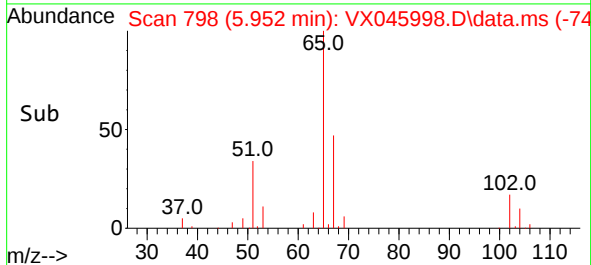
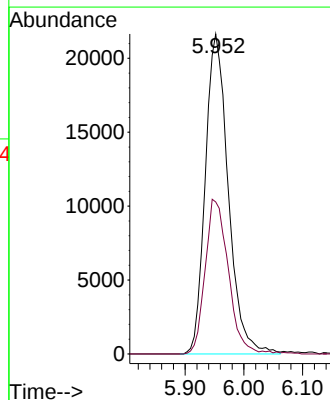
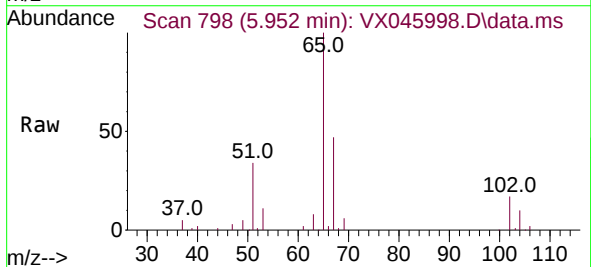
Instrument :
MSVOA_X
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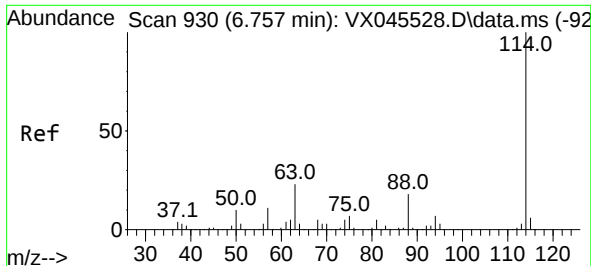
Tgt Ion: 56 Resp: 1626
Ion Ratio Lower Upper
56 100
69 129.3 23.6 35.4#
84 89.2 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.418 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 65 Resp: 58818
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

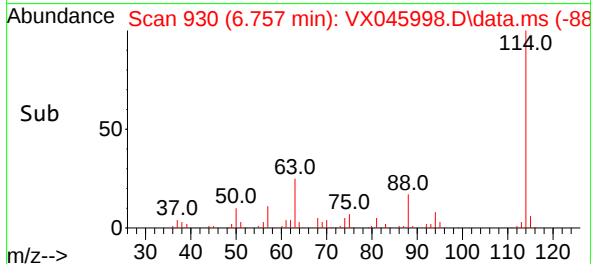
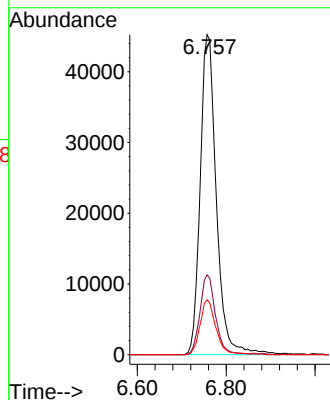
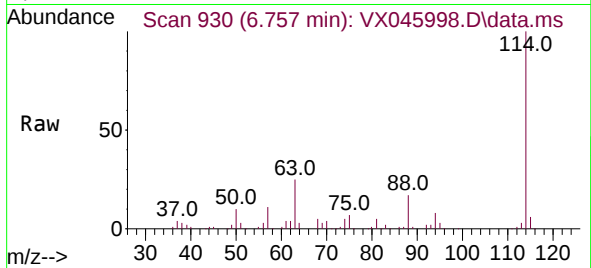




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

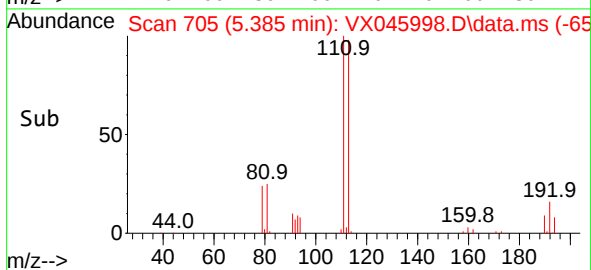
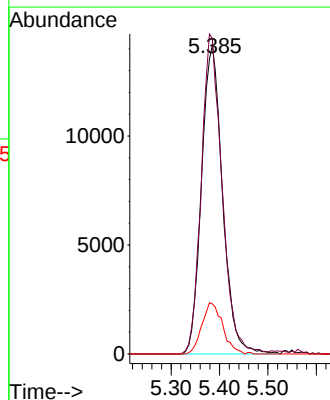
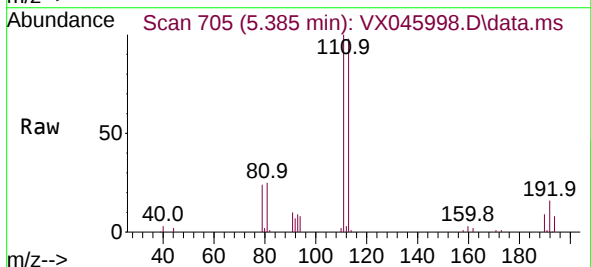
Instrument :
MSVOA_X
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MH-H

Tgt Ion:114 Resp: 114498
Ion Ratio Lower Upper
114 100
63 25.0 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.650 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion:113 Resp: 42771
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 16.4 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.081 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

Instrument :

MSVOA_X

ClientSampleId :

MH-H

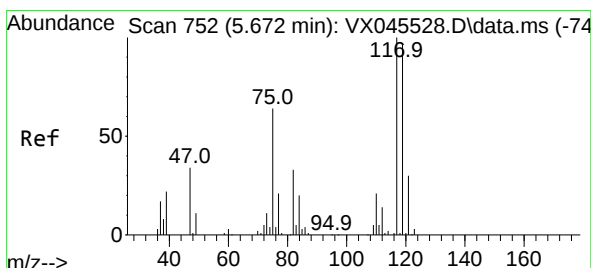
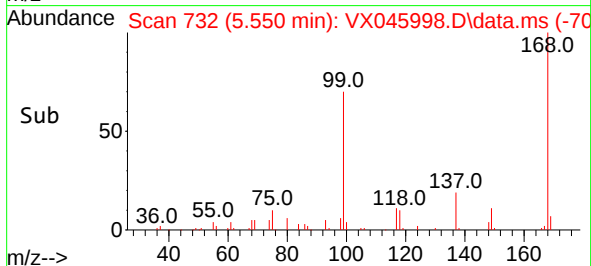
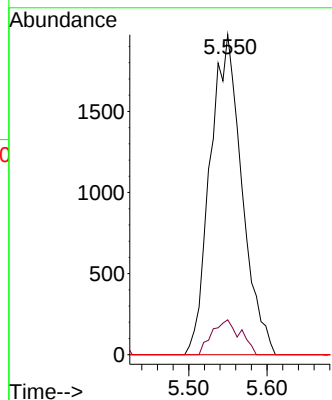
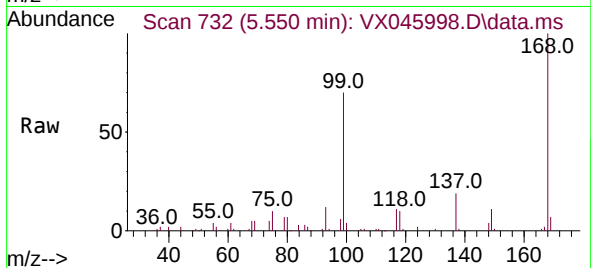
Tgt Ion: 75 Resp: 5573

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.860 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

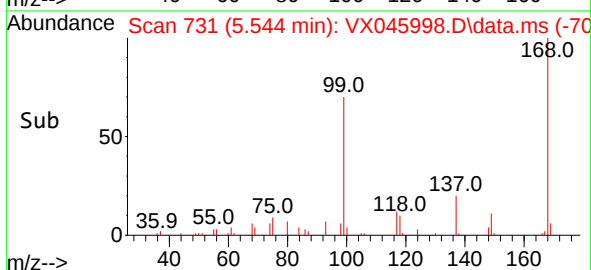
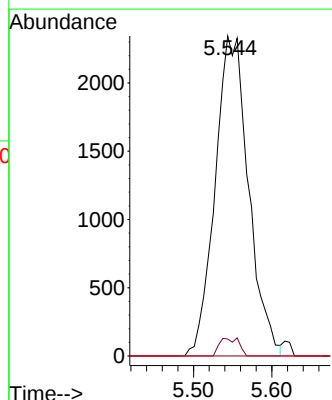
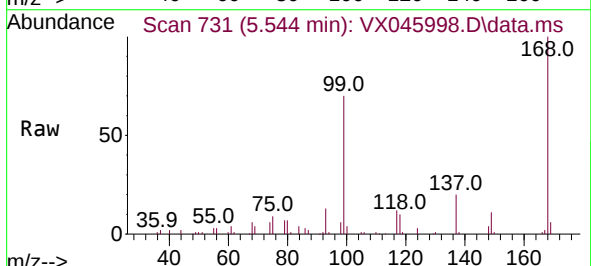
Tgt Ion: 117 Resp: 6947

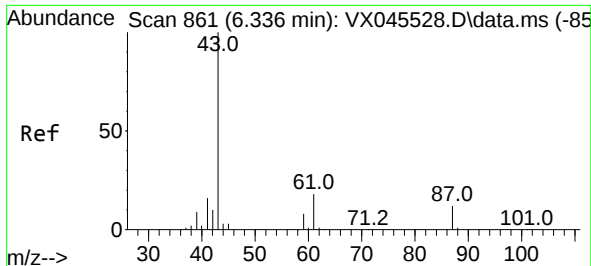
Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

121 0.0 24.2 36.2#

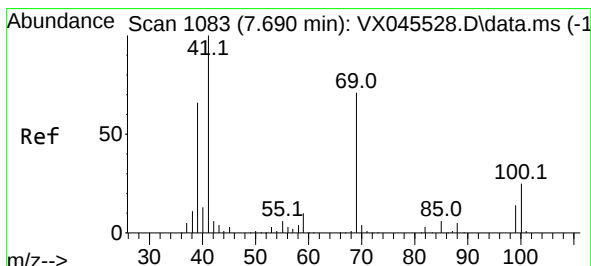
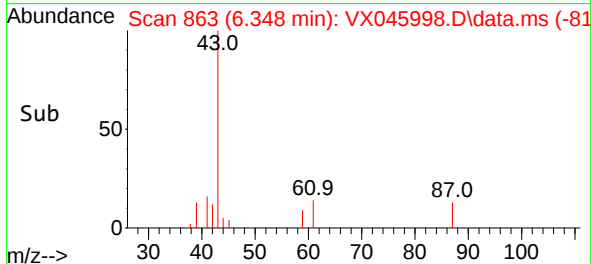
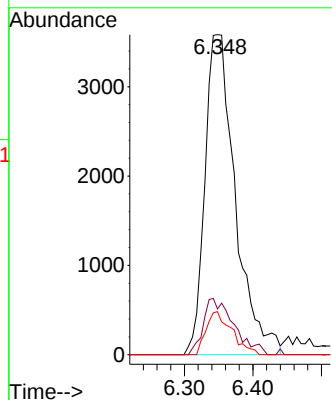
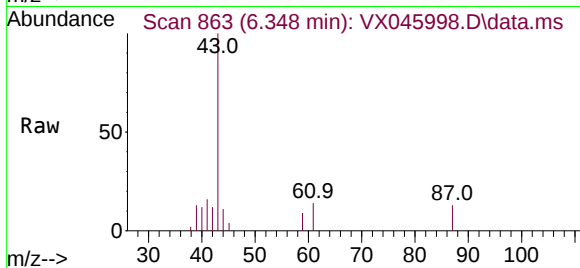




#43
Isopropyl Acetate
Concen: 5.273 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

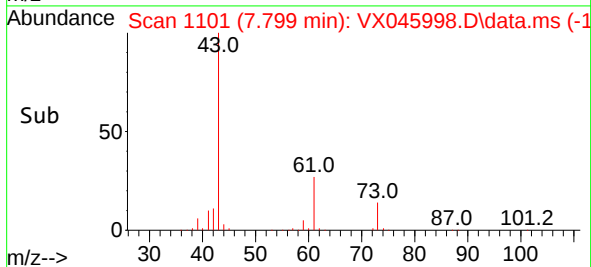
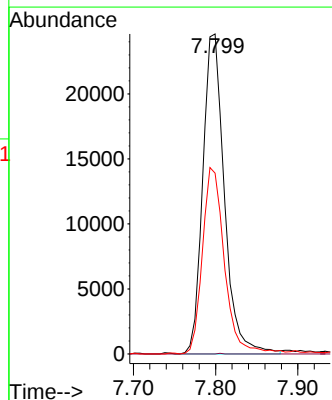
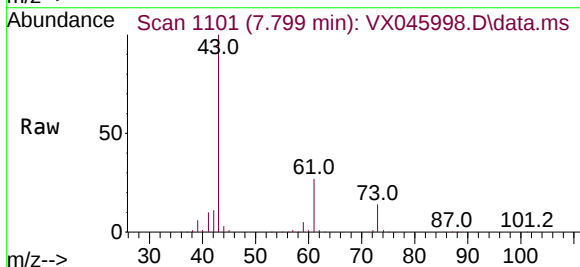
Instrument :
MSVOA_X
ClientSampleId :
MH-H

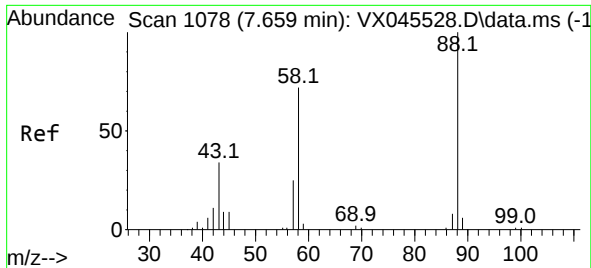
Tgt Ion: 43 Resp: 11047
Ion Ratio Lower Upper
43 100
61 17.8 14.1 21.1
87 11.4 9.2 13.8



#48
Methyl methacrylate
Concen: 41.591 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 41 Resp: 44988
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.4 53.6 80.4

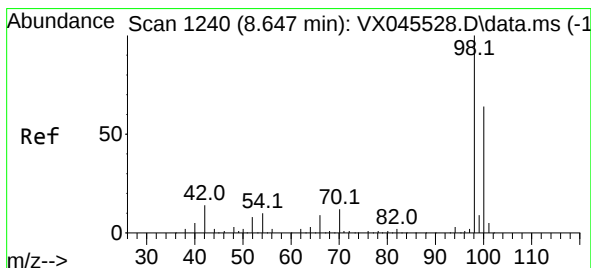
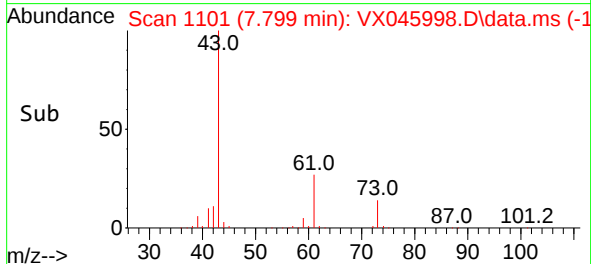
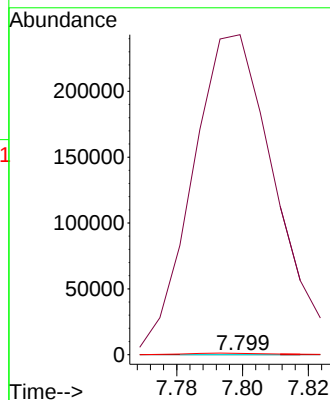
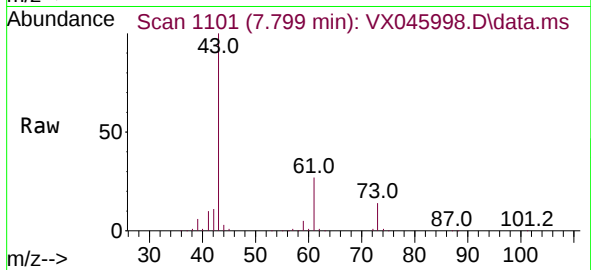




#49
1,4-Dioxane
Concen: 2.248 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

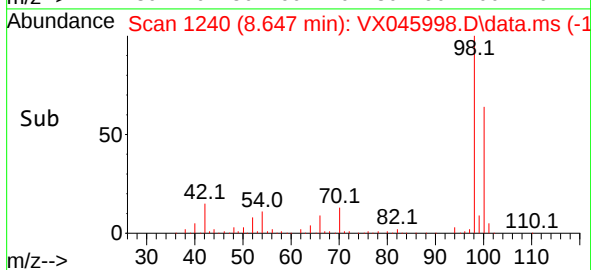
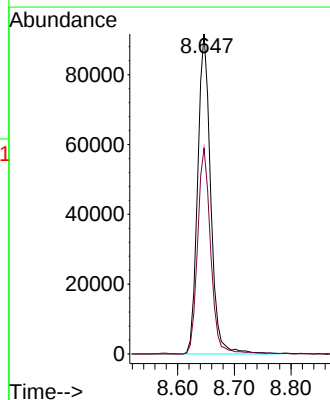
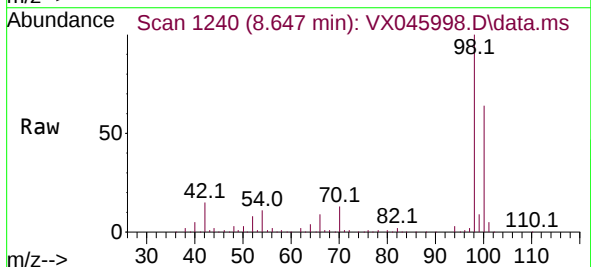
Instrument :
MSVOA_X
ClientSampleId :
MH-H

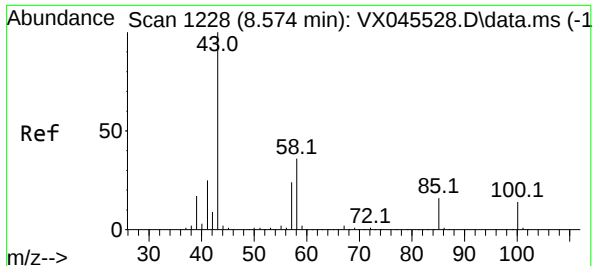
Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 1004286.4 32.2 48.4#
58 4902.3 58.6 88.0#



#50
Toluene-d8
Concen: 51.360 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 98 Resp: 145631
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 26.931 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

Instrument :

MSVOA_X

ClientSampleId :

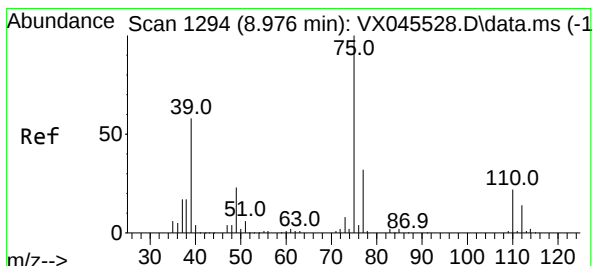
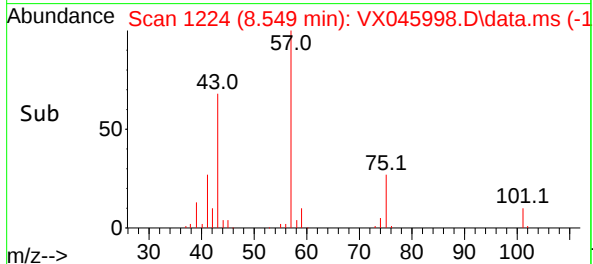
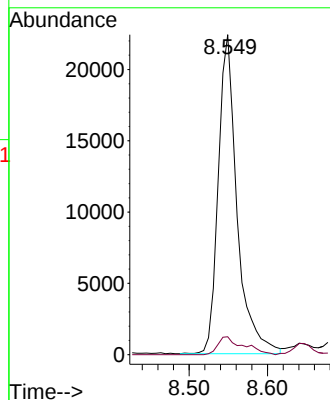
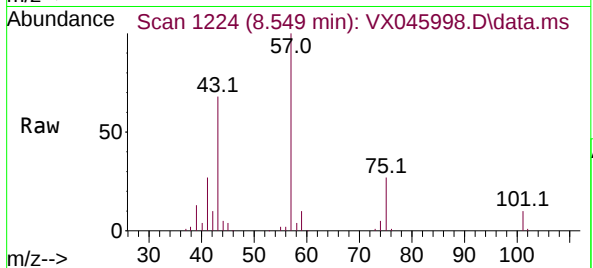
MH-H

Tgt Ion: 43 Resp: 37402

Ion Ratio Lower Upper

43 100

58 7.6 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.459 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX045998.D

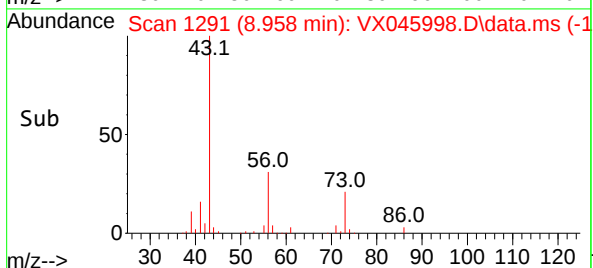
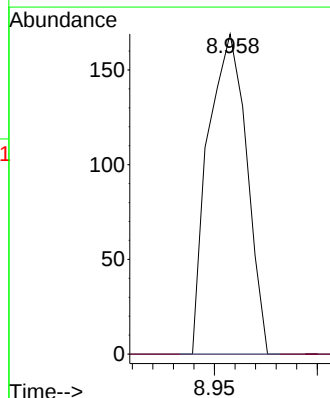
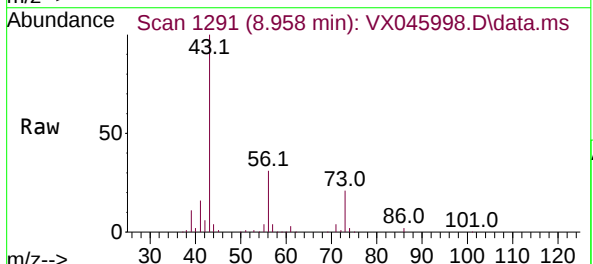
Acq: 30 Apr 2025 15:16

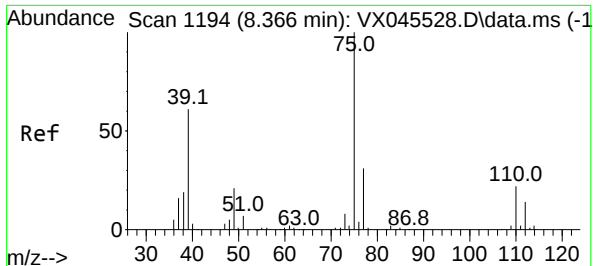
Tgt Ion: 75 Resp: 220

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

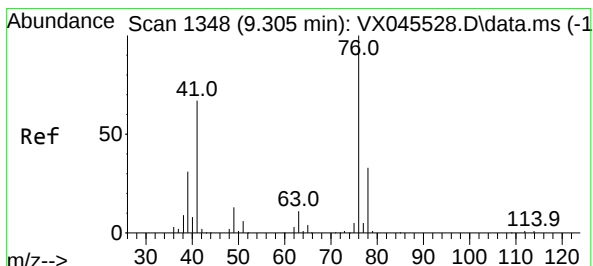
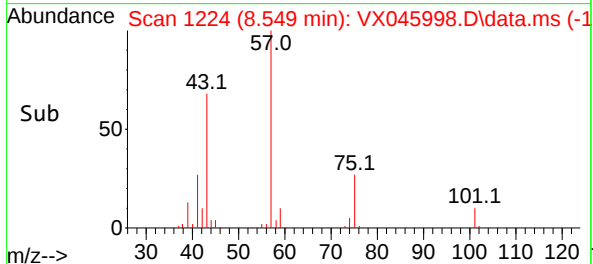
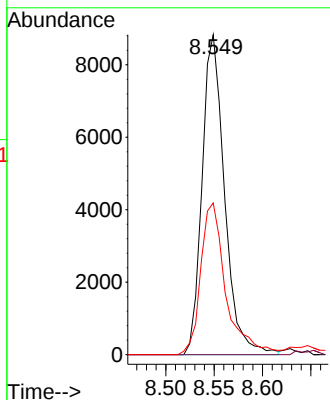
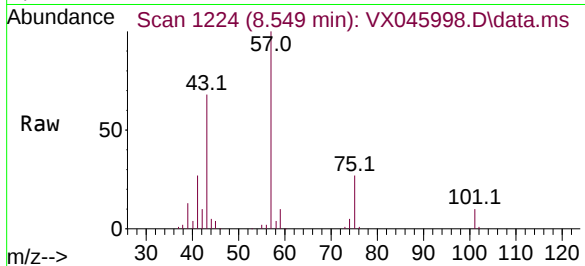




#54
 cis-1,3-Dichloropropene
 Concen: 11.878 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045998.D
 Acq: 30 Apr 2025 15:16

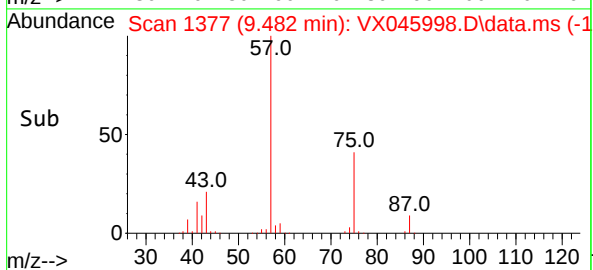
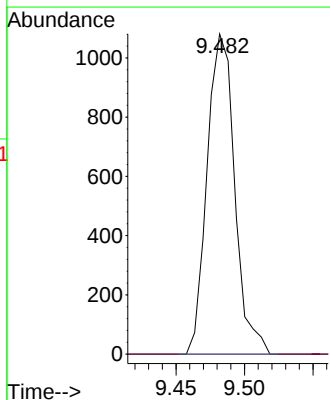
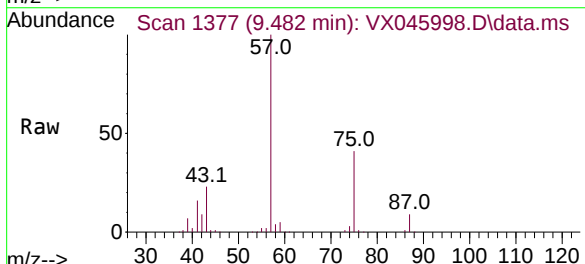
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-H

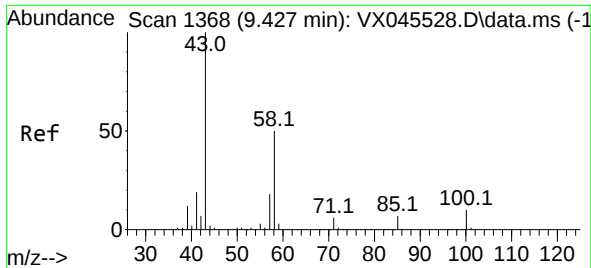
Tgt Ion: 75 Resp: 14302
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.4 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 1.076 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045998.D
 Acq: 30 Apr 2025 15:16

Tgt Ion: 76 Resp: 1513
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 10.570 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

Instrument :

MSVOA_X

ClientSampleId :

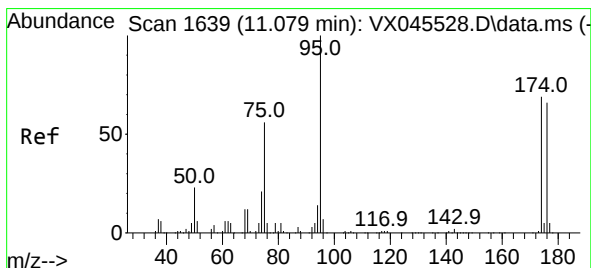
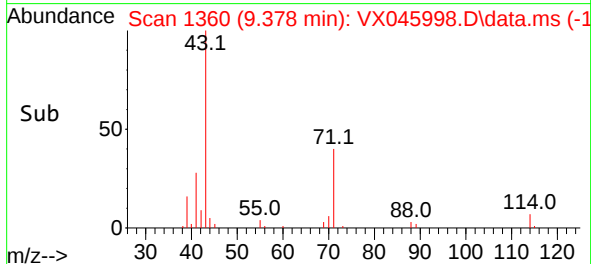
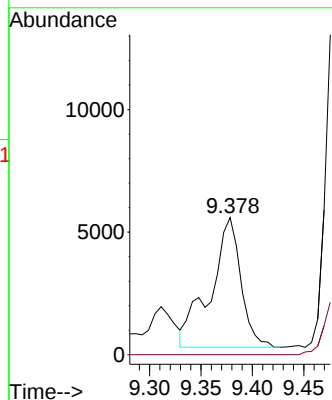
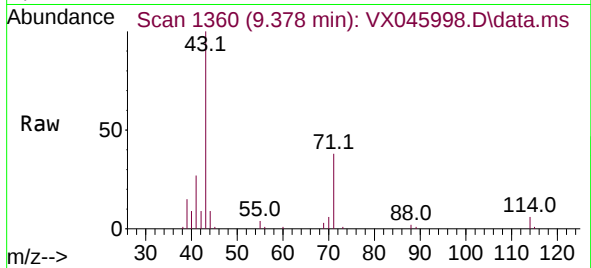
MH-H

Tgt Ion: 43 Resp: 10871

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 52.833 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

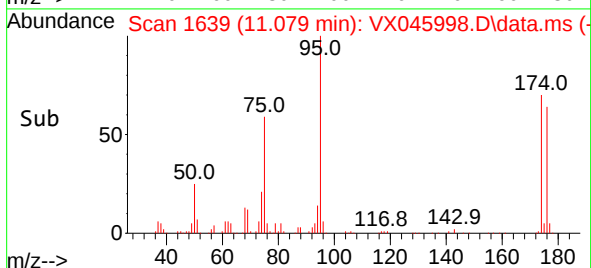
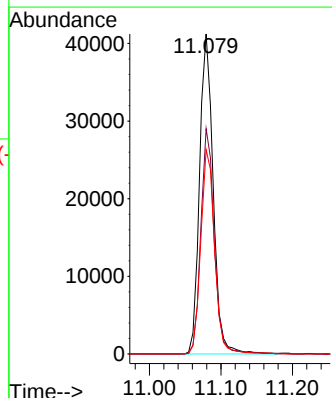
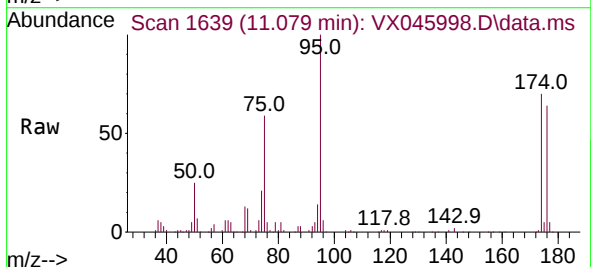
Tgt Ion: 95 Resp: 54567

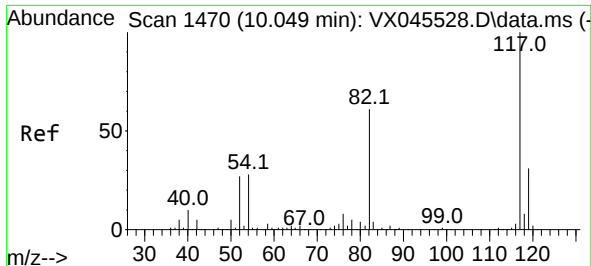
Ion Ratio Lower Upper

95 100

174 69.2 0.0 135.8

176 64.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

Instrument :

MSVOA_X

ClientSampleId :

MH-H

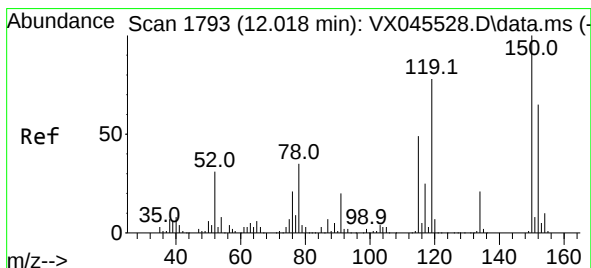
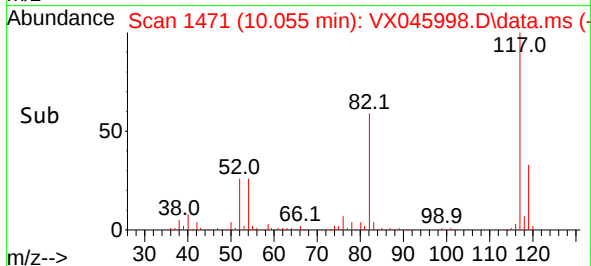
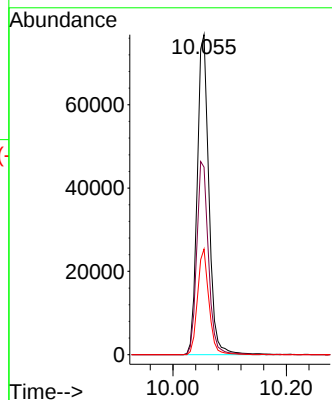
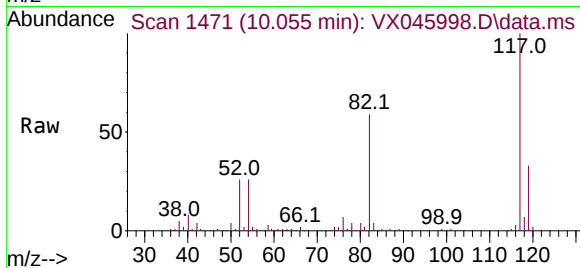
Tgt Ion:117 Resp: 109756

Ion Ratio Lower Upper

117 100

82 58.6 49.2 73.8

119 33.0 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045998.D

Acq: 30 Apr 2025 15:16

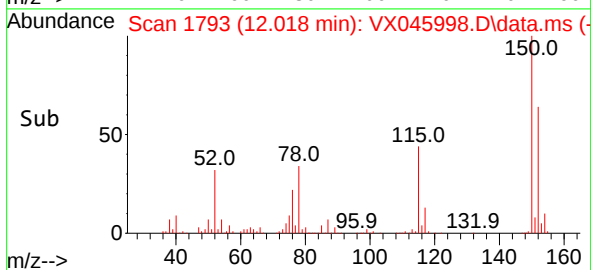
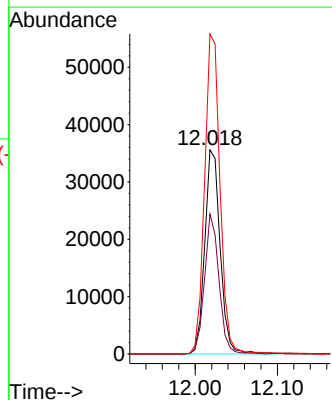
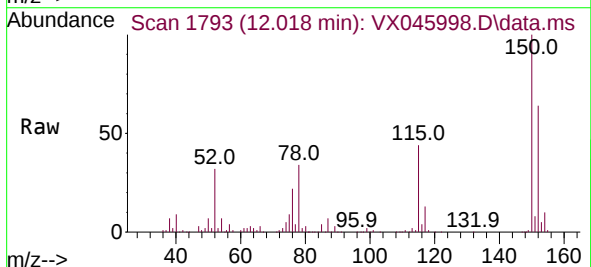
Tgt Ion:152 Resp: 46389

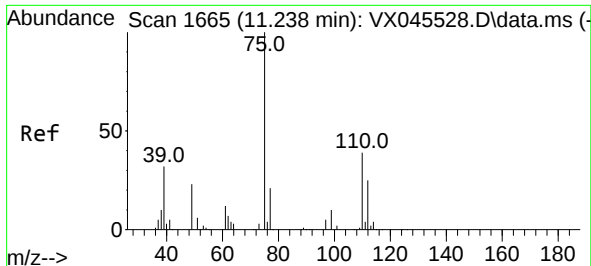
Ion Ratio Lower Upper

152 100

115 64.0 46.9 140.7

150 157.3 0.0 349.4

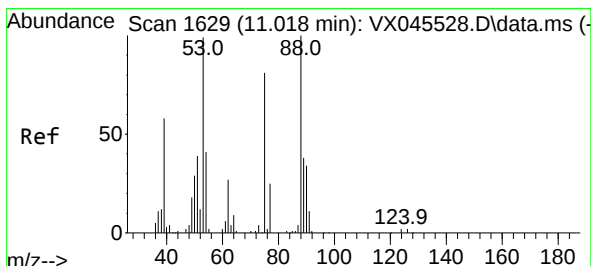
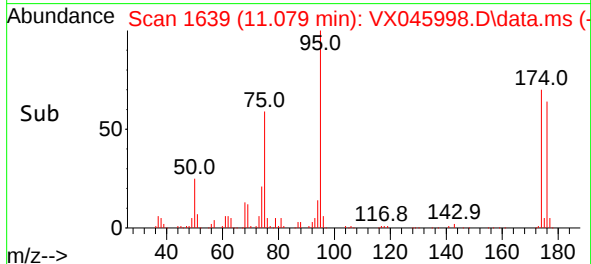
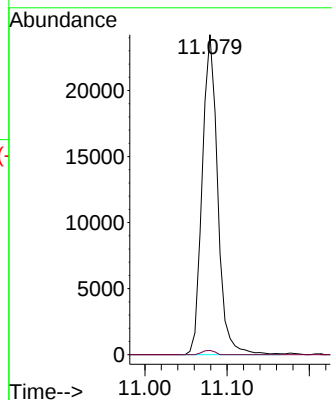
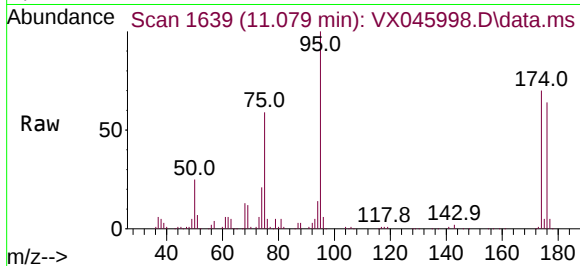




#76
1,2,3-Trichloropropane
Concen: 27.994 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

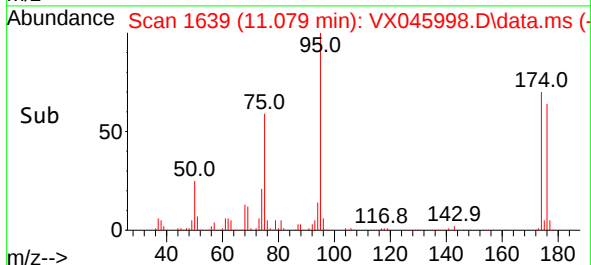
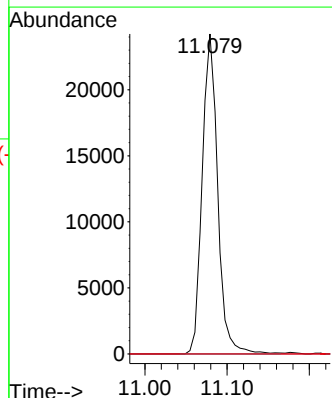
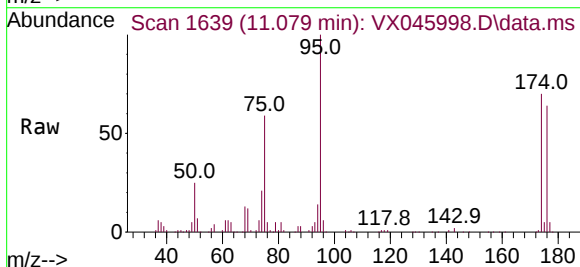
Instrument :
MSVOA_X
ClientSampleId :
MH-H

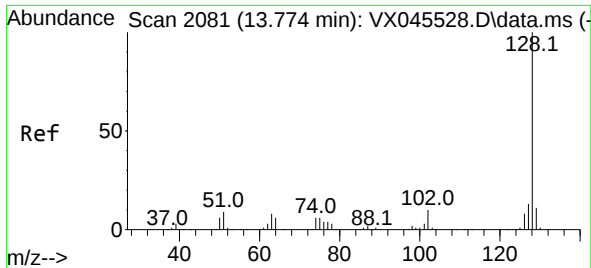
Tgt Ion: 75 Resp: 31676
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045998.D
Acq: 30 Apr 2025 15:16

Tgt Ion: 75 Resp: 31676
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.784 ug/l
 RT: 13.780 min Scan# 2081
 Delta R.T. 0.006 min
 Lab File: VX045998.D
 Acq: 30 Apr 2025 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-H

Tgt Ion:	128	Resp:	5741
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.3	15.5
129	11.0	8.6	12.8

