

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046087.D
 Acq On : 08 May 2025 13:42
 Operator : JC/MD
 Sample : Q1964-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-LL

Quant Time: May 09 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

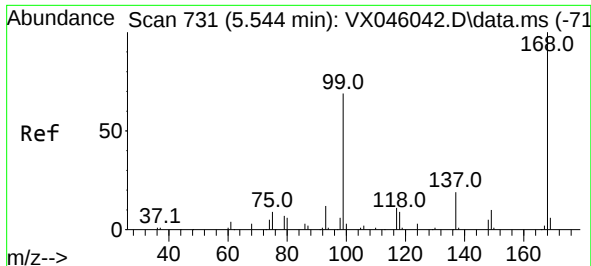
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	62836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61471	52.474	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.940%
35) Dibromofluoromethane	5.379	113	45037	49.857	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.720%
50) Toluene-d8	8.647	98	155702	49.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.600%
62) 4-Bromofluorobenzene	11.079	95	61274	51.092	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.180%
Target Compounds						
						Qvalue
3) Chloromethane	1.246	50	217	0.233	ug/l #	43
11) Tert butyl alcohol	2.989	59	196	1.192	ug/l #	72
13) Acrolein	2.233	56	228	1.217	ug/l #	79
16) Acetone	2.380	43	30748	65.463	ug/l	96
18) Methyl Acetate	2.703	43	1848	1.695	ug/l #	86
20) Methylene Chloride	2.788	84	2476	2.751	ug/l #	91
25) 2-Butanone	4.580	43	5582	8.186	ug/l	93
29) Tetrahydrofuran	5.050	42	423	0.990	ug/l #	35
31) Cyclohexane	5.550	56	1846	1.322	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	6153	5.070	ug/l #	52
37) Ethyl Acetate	4.580	43	5582	3.722	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7419	5.440	ug/l #	17
43) Isopropyl Acetate	6.348	43	10702	4.678	ug/l #	94
48) Methyl methacrylate	7.793	41	43544	37.271	ug/l #	49
49) 1,4-Dioxane	7.793	88	21	0.947	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	36379	23.957	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	273	0.224	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14036	10.404	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1265	0.819	ug/l #	42
59) 2-Hexanone	9.378	43	12033	10.711	ug/l #	28
74) N-amyl acetate	10.787	43	1318	0.666	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35444	28.625	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35444	93.195	ug/l #	1

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

Quant Time: May 09 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

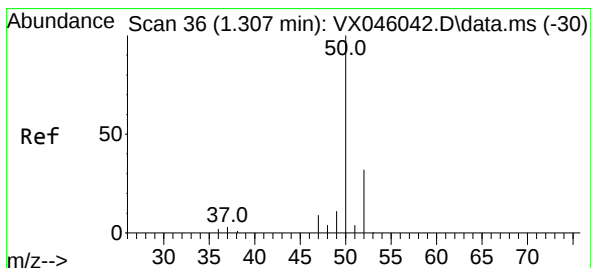
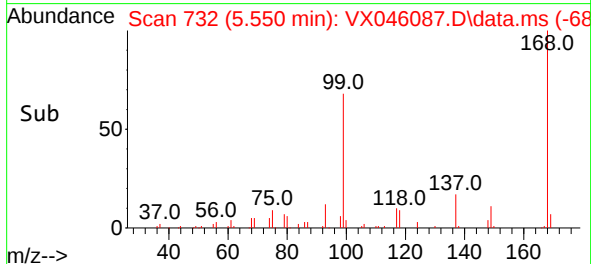
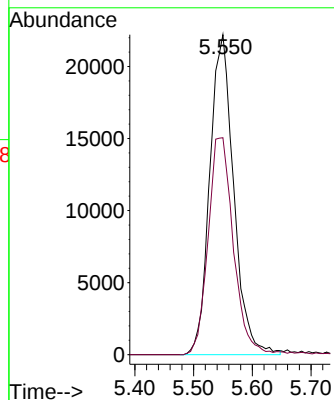
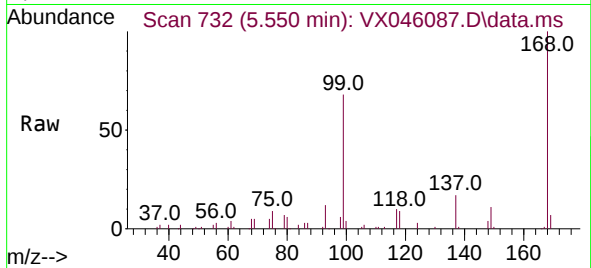




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

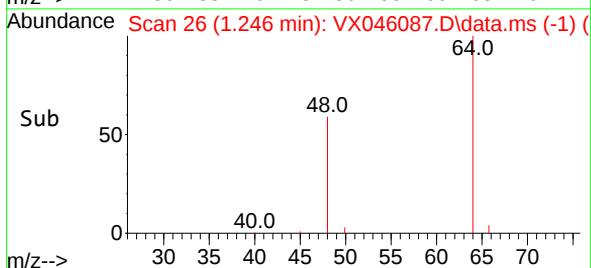
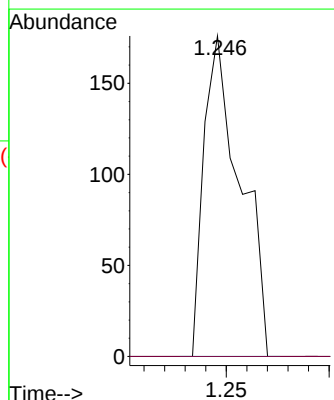
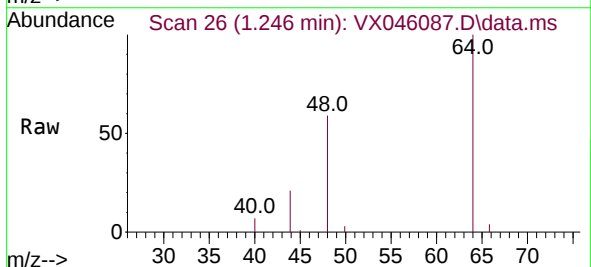
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

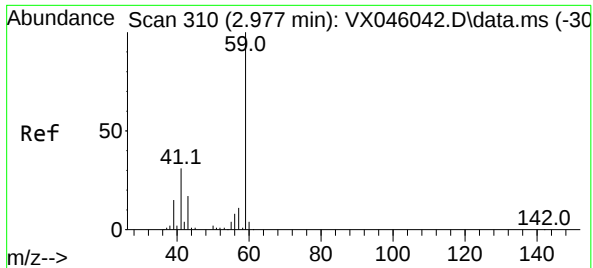
Tgt Ion:168 Resp: 62836
Ion Ratio Lower Upper
168 100
99 67.8 54.9 82.3



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.061 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

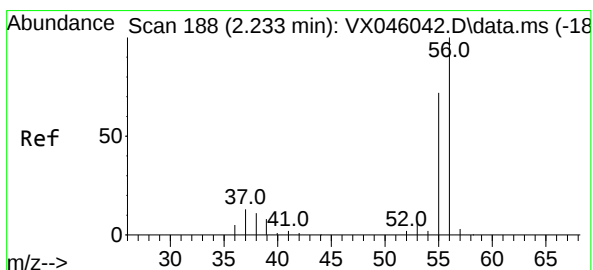
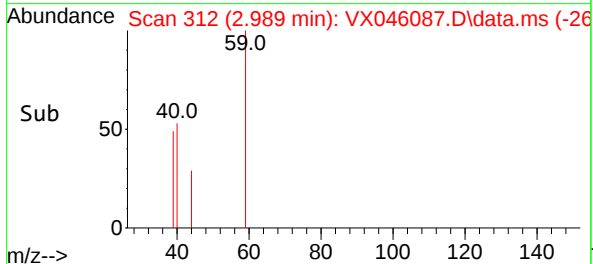
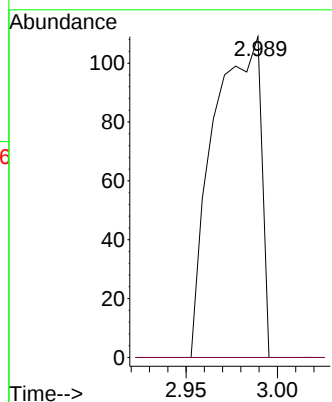
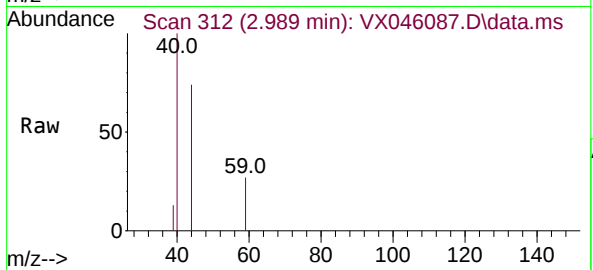




#11
Tert butyl alcohol
Concen: 1.192 ug/l
RT: 2.989 min Scan# 310
Delta R.T. 0.012 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

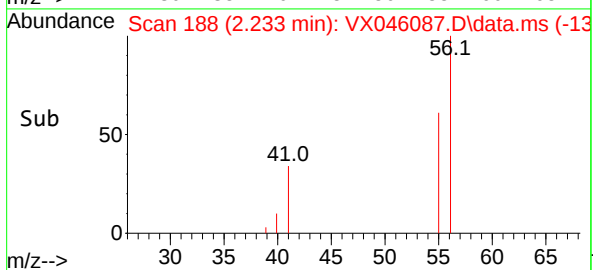
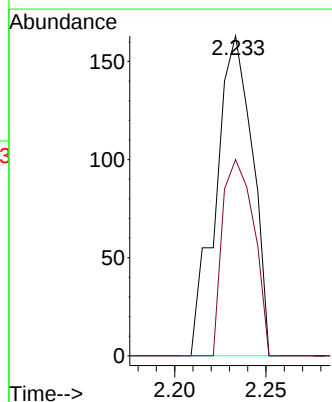
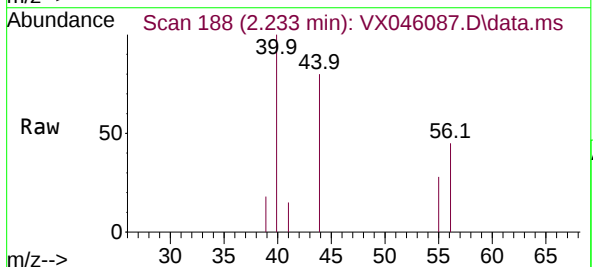
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

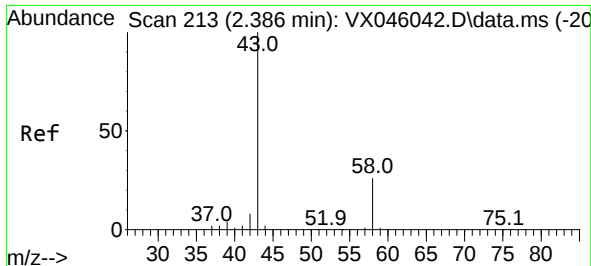
Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.217 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 52.6 56.2 84.4#

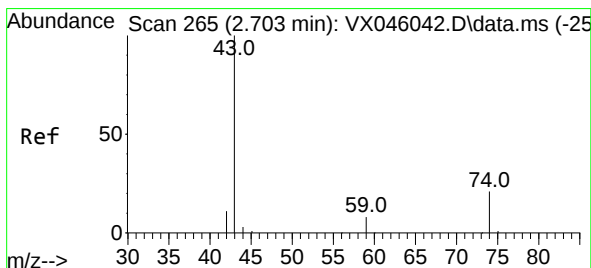
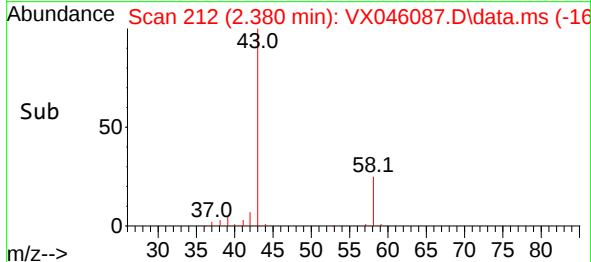
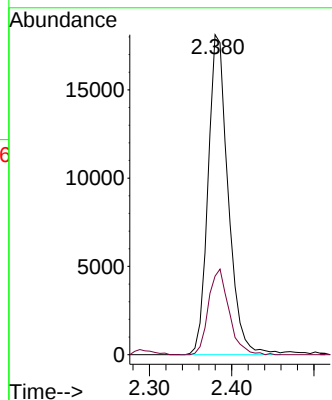
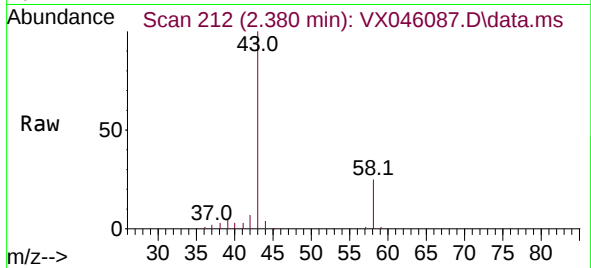




#16
Acetone
Concen: 65.463 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

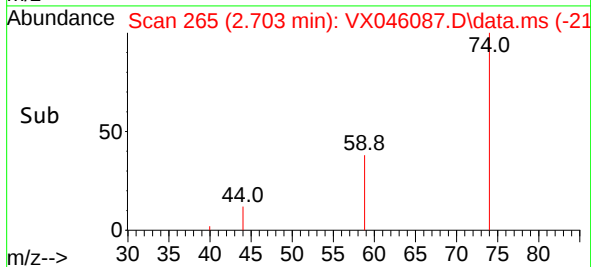
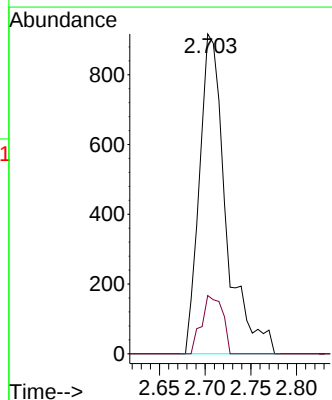
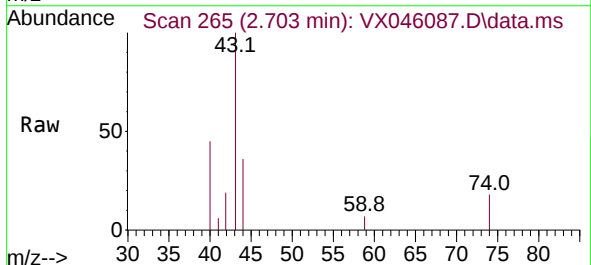
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

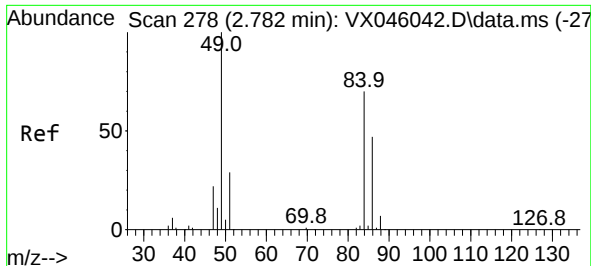
Tgt Ion: 43 Resp: 30748
Ion Ratio Lower Upper
43 100
58 24.6 21.2 31.8



#18
Methyl Acetate
Concen: 1.695 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
74 14.4 16.7 25.1#





#20

Methylene Chloride

Concen: 2.751 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046087.D

Acq: 08 May 2025 13:42

Instrument :

MSVOA_X

ClientSampleId :

MH-LL

Tgt Ion: 84 Resp: 2476

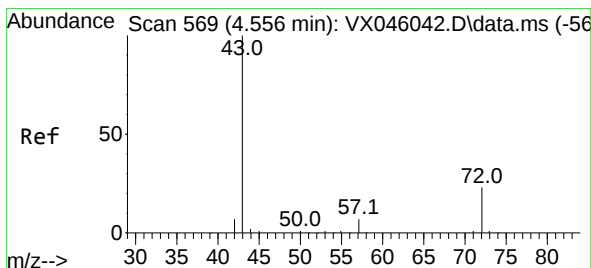
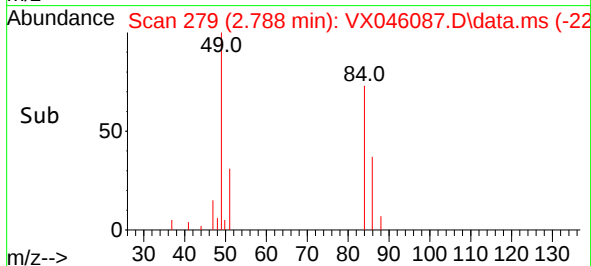
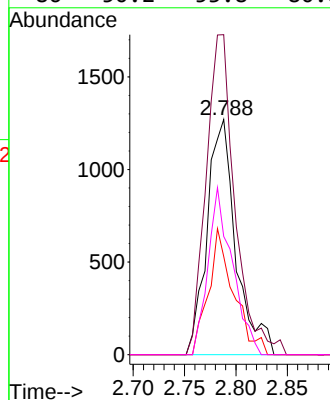
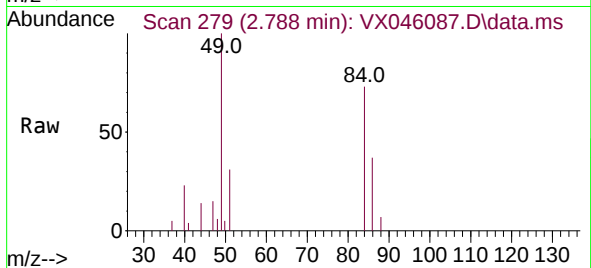
Ion Ratio Lower Upper

84 100

49 136.1 113.9 170.9

51 41.7 33.5 50.3

86 50.2 53.8 80.8#



#25

2-Butanone

Concen: 8.186 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.024 min

Lab File: VX046087.D

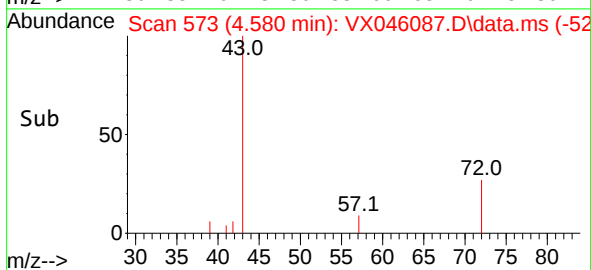
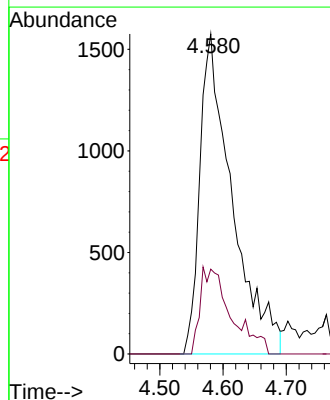
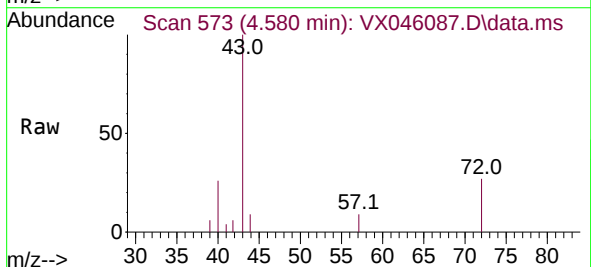
Acq: 08 May 2025 13:42

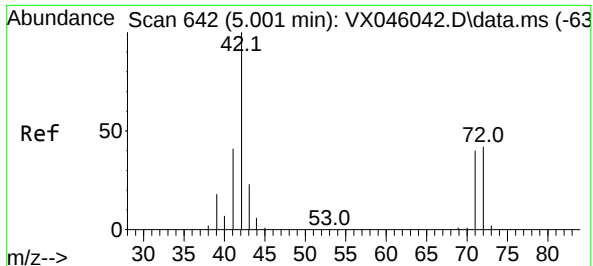
Tgt Ion: 43 Resp: 5582

Ion Ratio Lower Upper

43 100

72 26.5 18.4 27.6





#29

Tetrahydrofuran

Concen: 0.990 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX046087.D

Acq: 08 May 2025 13:42

Instrument :

MSVOA_X

ClientSampleId :

MH-LL

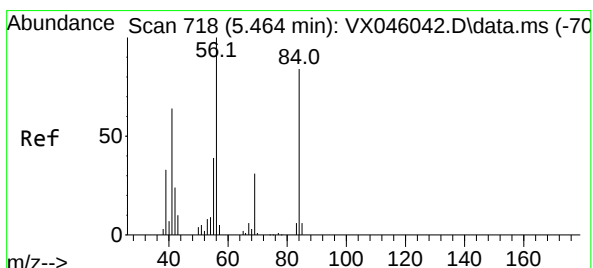
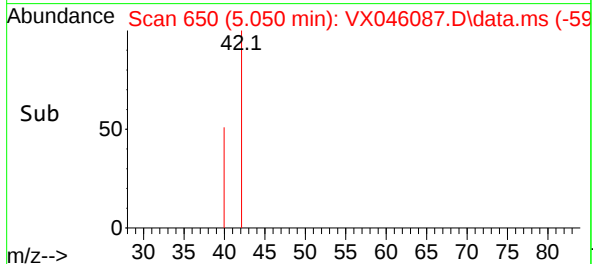
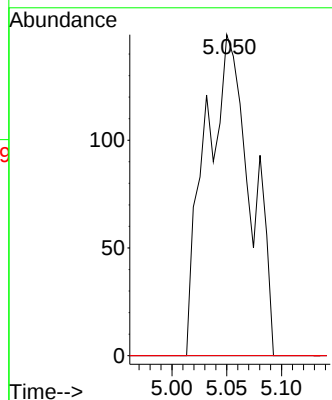
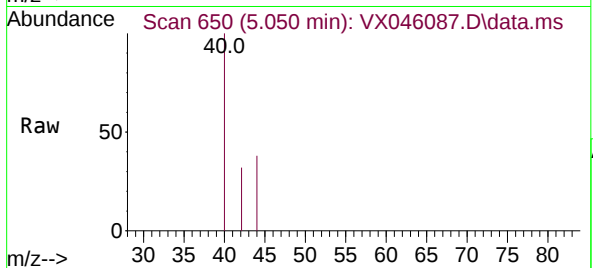
Tgt Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046087.D

Acq: 08 May 2025 13:42

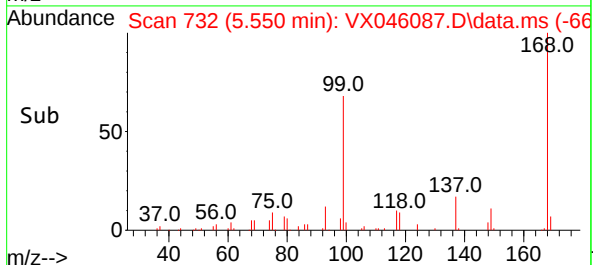
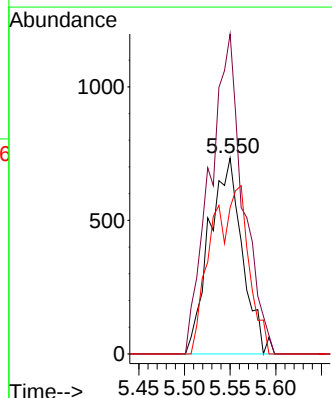
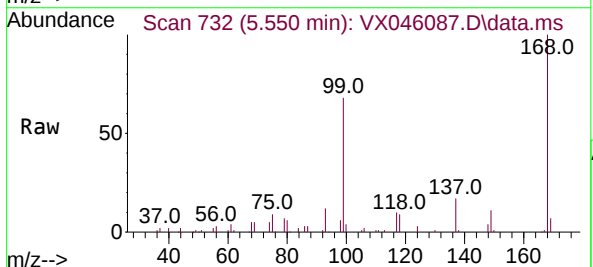
Tgt Ion: 56 Resp: 1846

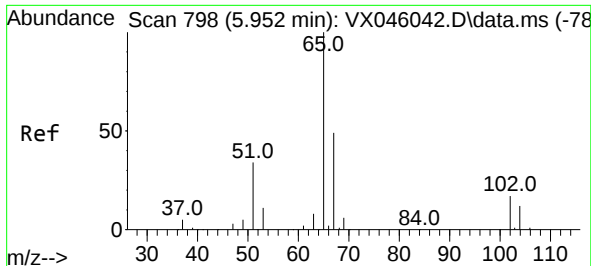
Ion Ratio Lower Upper

56 100

69 163.2 24.4 36.6#

84 74.7 66.9 100.3

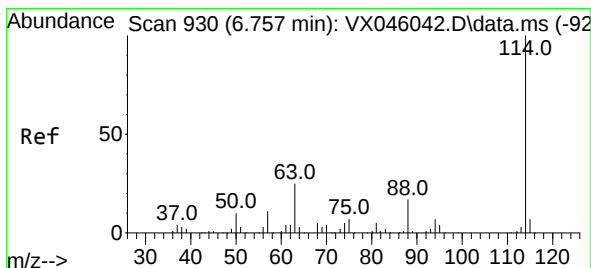
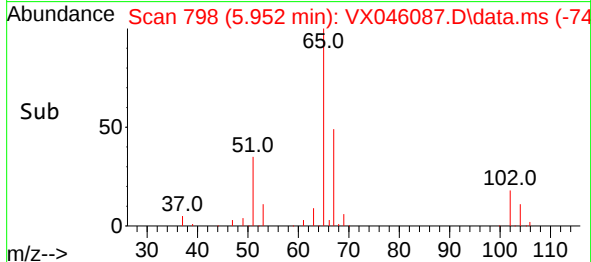
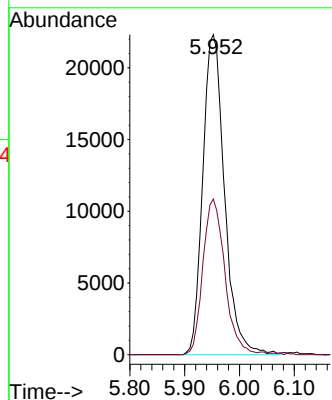
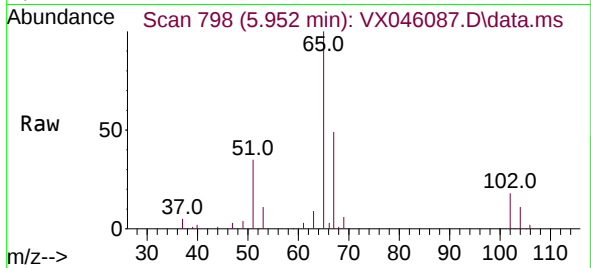




#33
 1,2-Dichloroethane-d4
 Concen: 52.474 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046087.D
 Acq: 08 May 2025 13:42

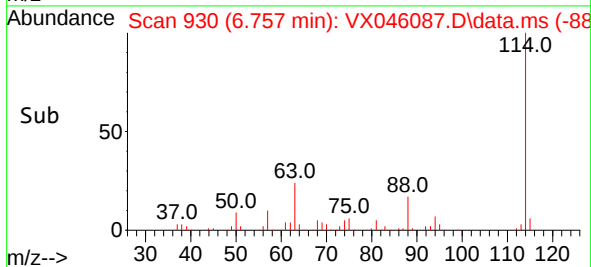
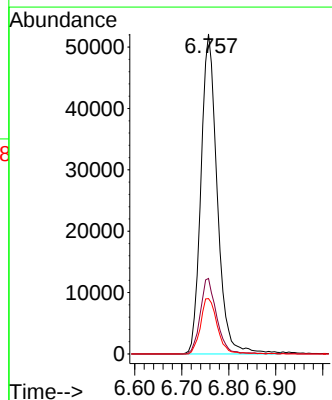
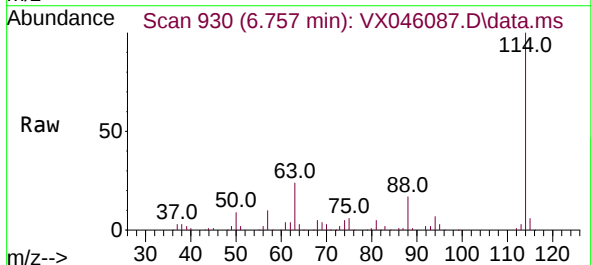
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-LL

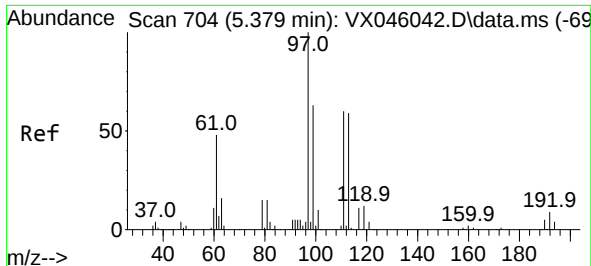
Tgt Ion: 65 Resp: 61471
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046087.D
 Acq: 08 May 2025 13:42

Tgt Ion: 114 Resp: 125443
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 17.3 0.0 33.6

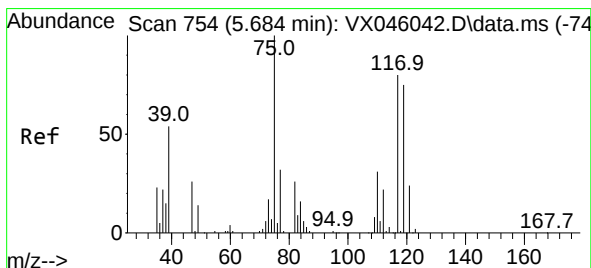
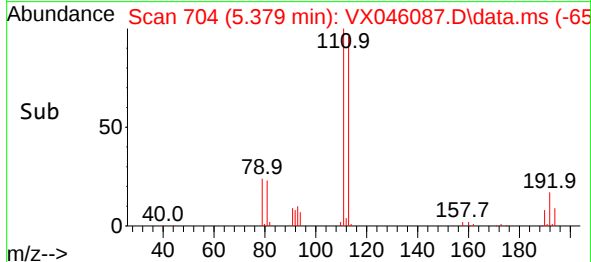
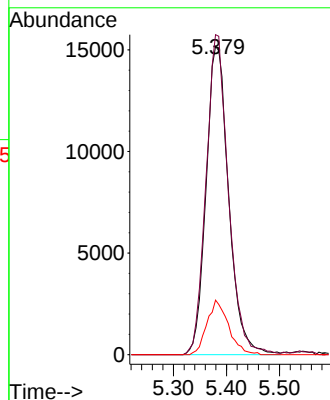
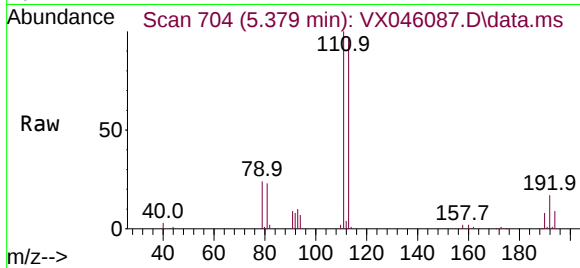




#35
Dibromofluoromethane
Concen: 49.857 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

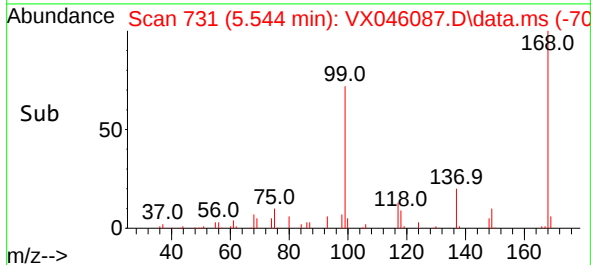
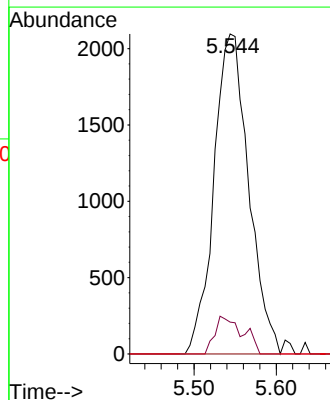
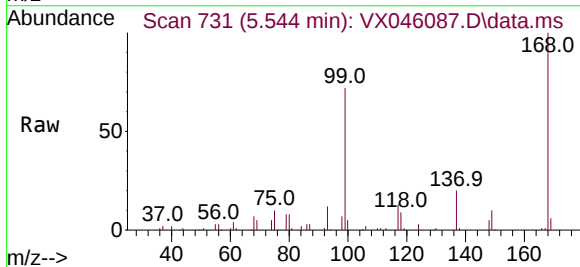
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

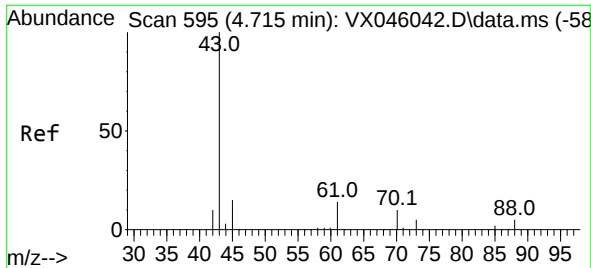
Tgt Ion:113 Resp: 45037
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 75 Resp: 6153
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 3.722 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX046087.D

Acq: 08 May 2025 13:42

Instrument :

MSVOA_X

ClientSampleId :

MH-LL

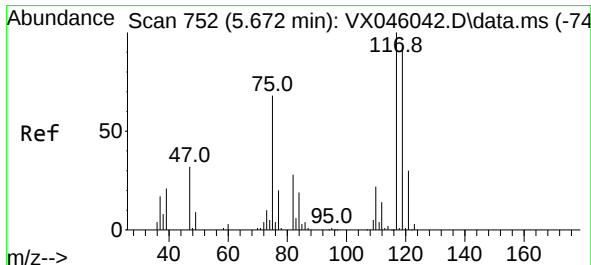
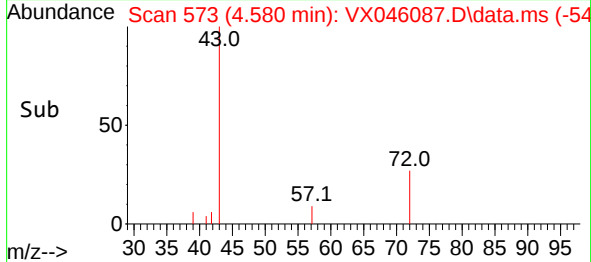
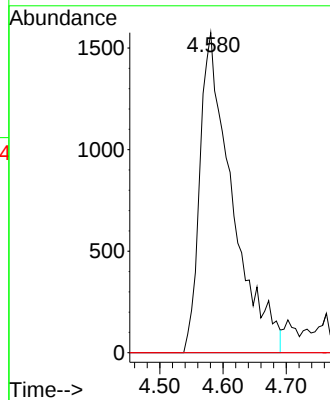
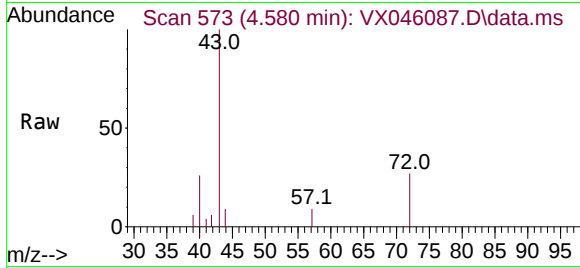
Tgt Ion: 43 Resp: 5582

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046087.D

Acq: 08 May 2025 13:42

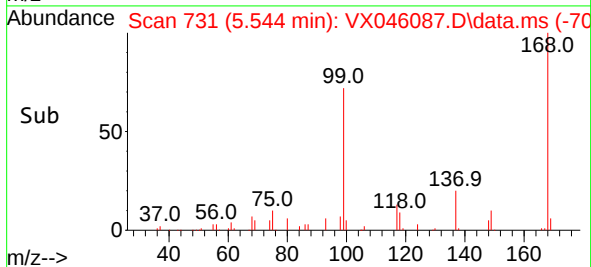
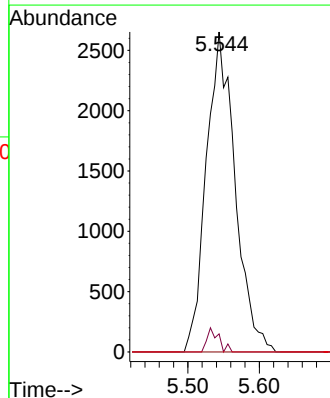
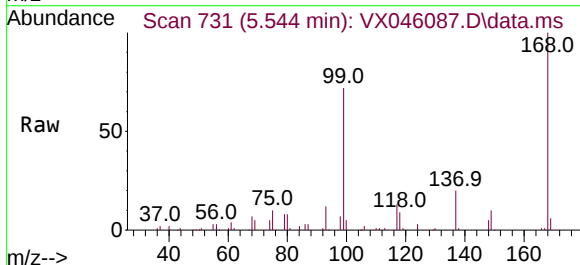
Tgt Ion: 117 Resp: 7419

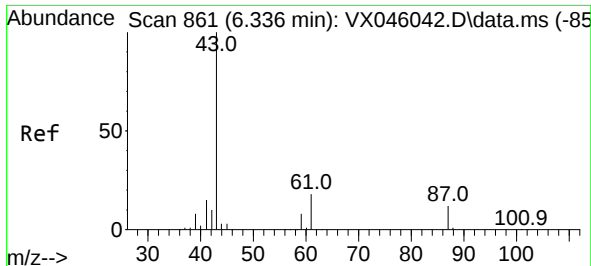
Ion Ratio Lower Upper

117 100

119 5.7 75.2 112.8#

121 0.0 24.2 36.4#

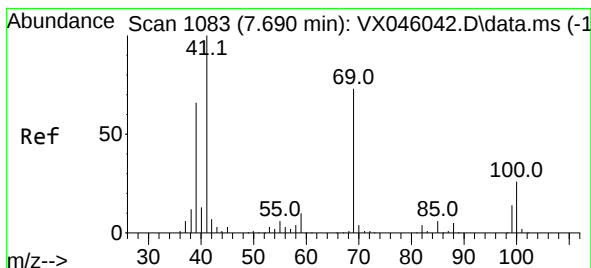
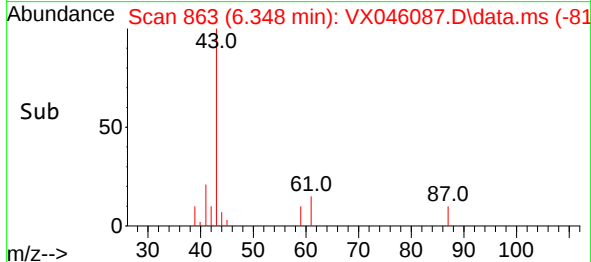
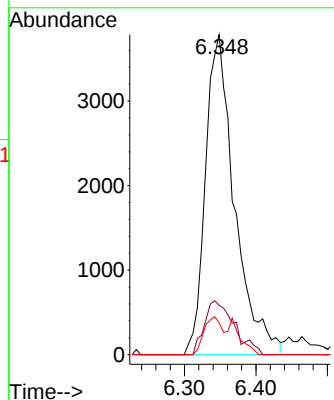
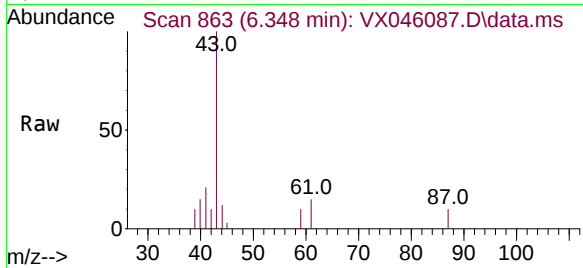




#43
Isopropyl Acetate
Concen: 4.678 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

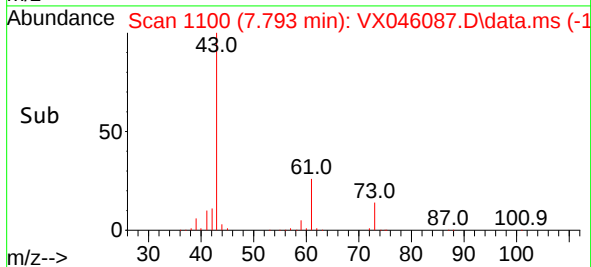
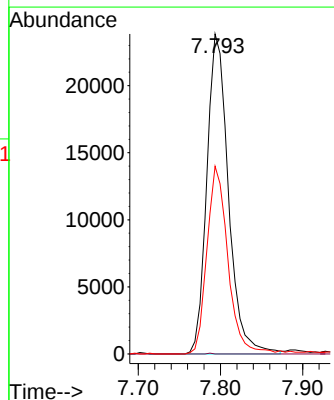
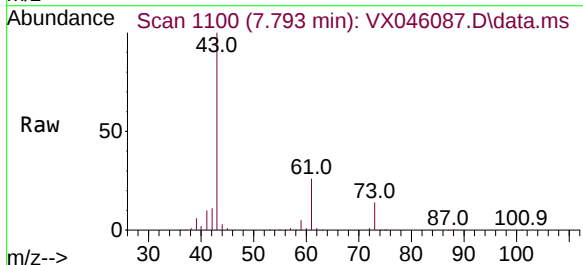
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

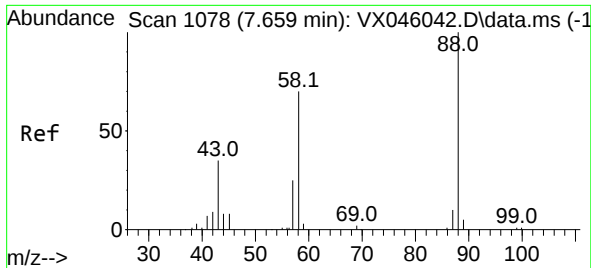
Tgt Ion: 43 Resp: 10702
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 7.2 9.5 14.3#



#48
Methyl methacrylate
Concen: 37.271 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 41 Resp: 43544
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 56.8 51.7 77.5

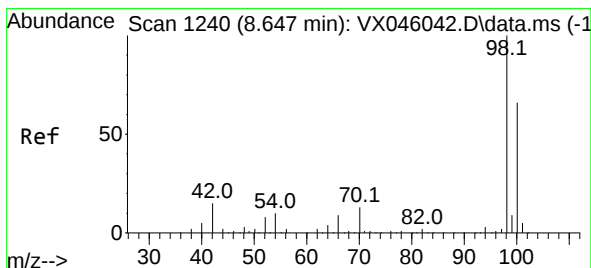
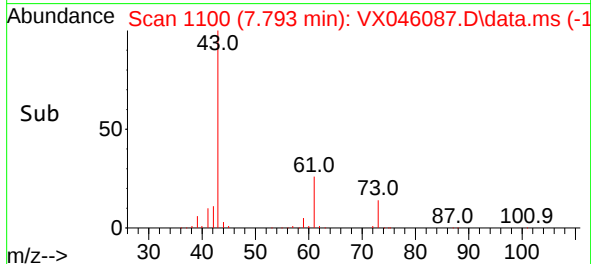
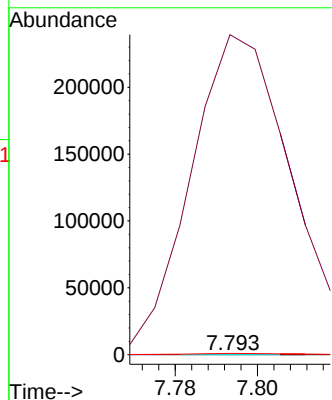
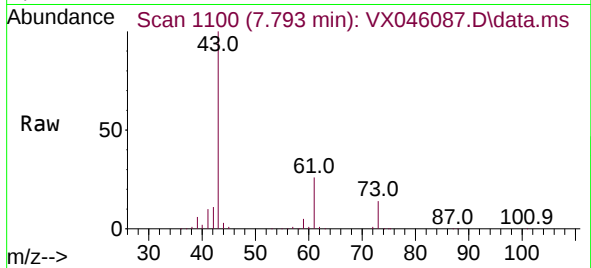




#49
1,4-Dioxane
Concen: 0.947 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

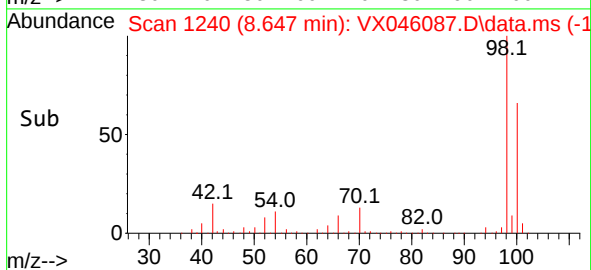
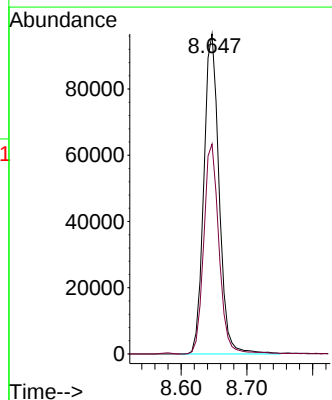
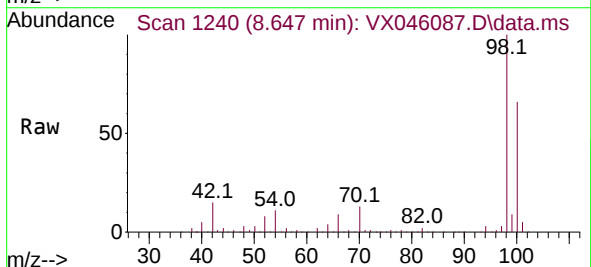
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

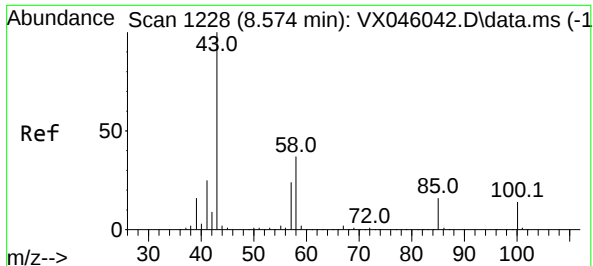
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2057414.3 33.4 50.2#
58 8023.8 58.6 88.0#



#50
Toluene-d8
Concen: 49.800 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 98 Resp: 155702
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

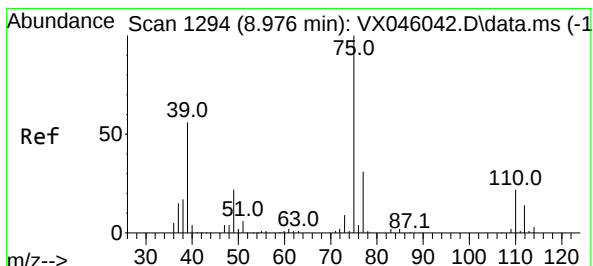
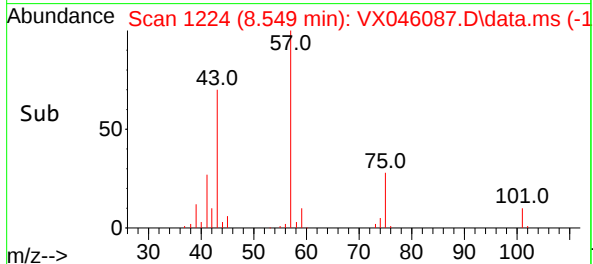
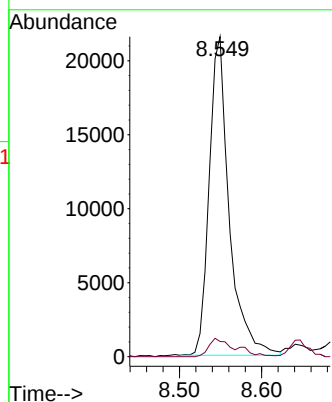
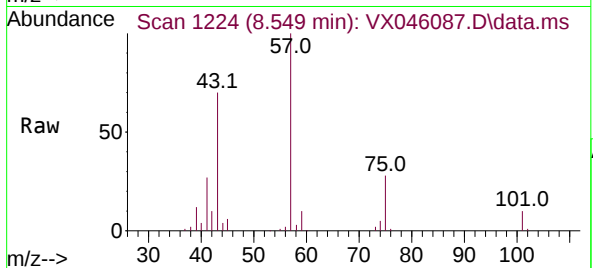




#51
4-Methyl-2-Pentanone
Concen: 23.957 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

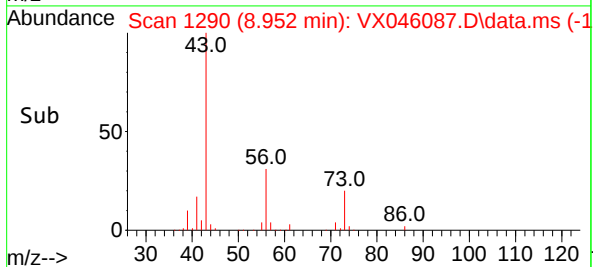
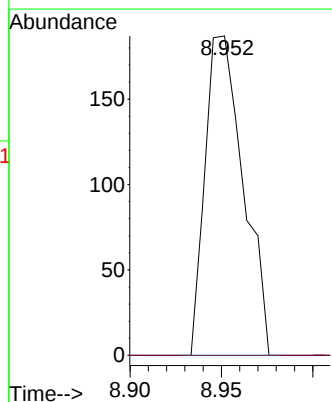
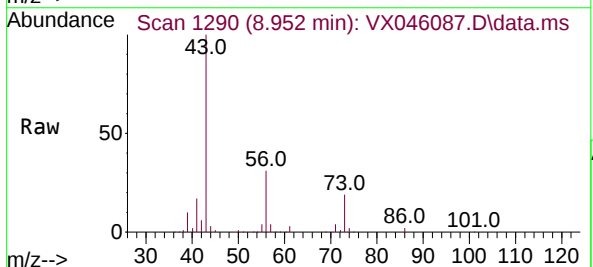
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

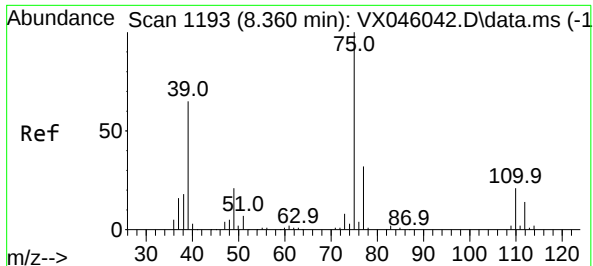
Tgt Ion: 43 Resp: 36379
Ion Ratio Lower Upper
43 100
58 5.6 28.9 43.3#



#53
t-1,3-Dichloropropene
Concen: 0.224 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 75 Resp: 273
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

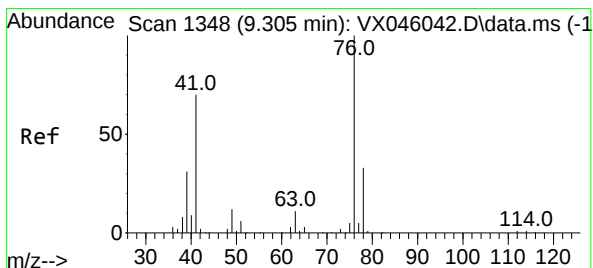
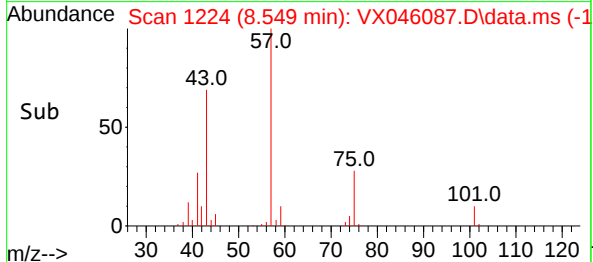
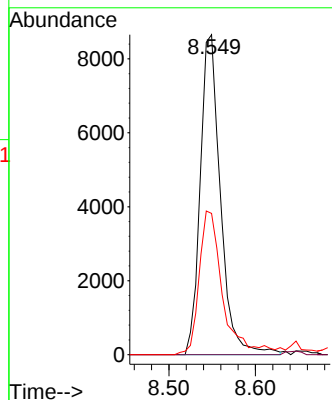
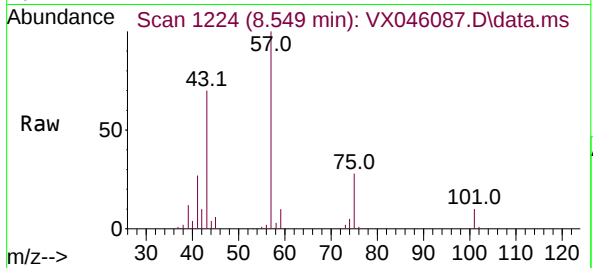




#54
cis-1,3-Dichloropropene
Concen: 10.404 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

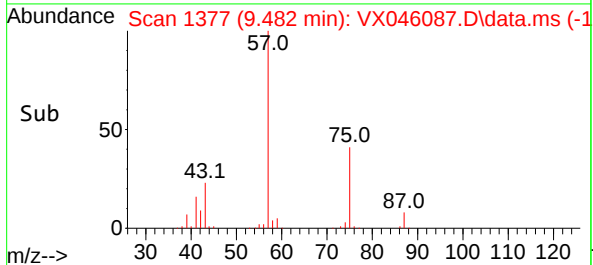
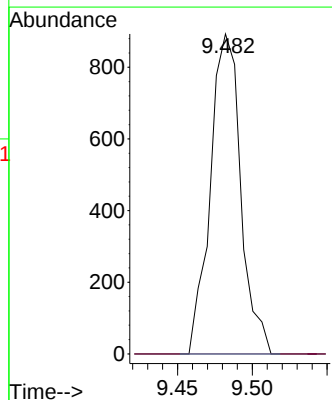
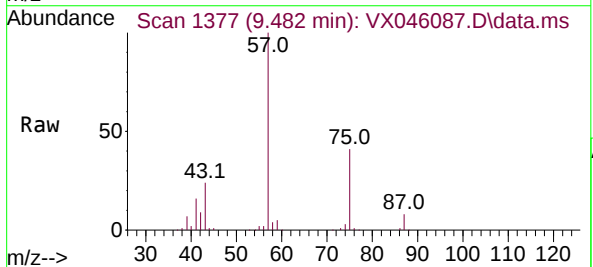
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

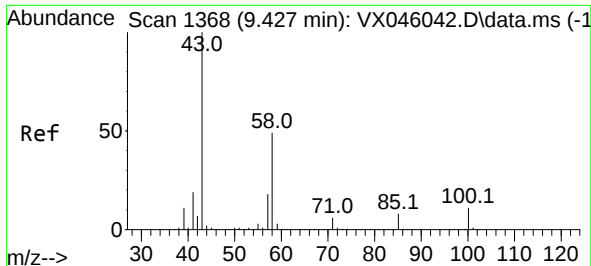
Tgt Ion: 75 Resp: 14036
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 43.4 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 0.819 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 76 Resp: 1265
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

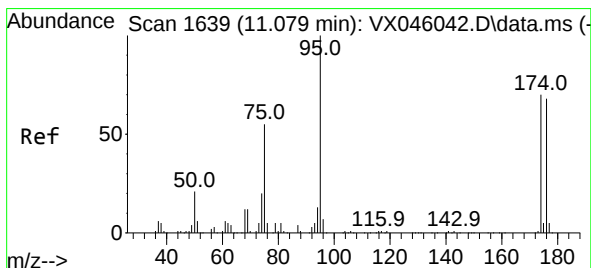
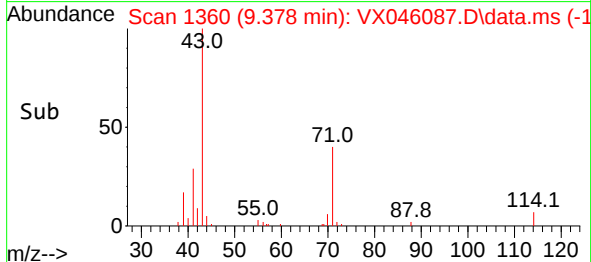
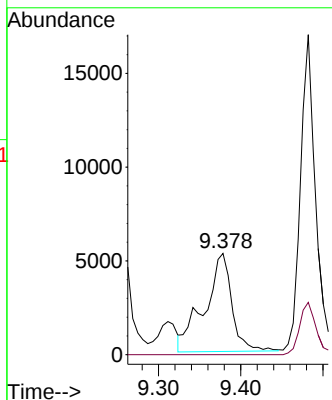
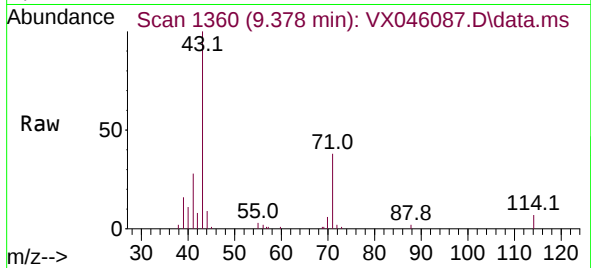




#59
2-Hexanone
Concen: 10.711 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

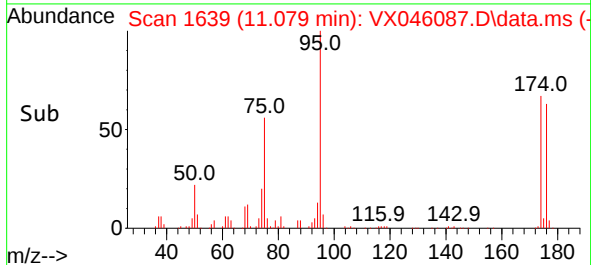
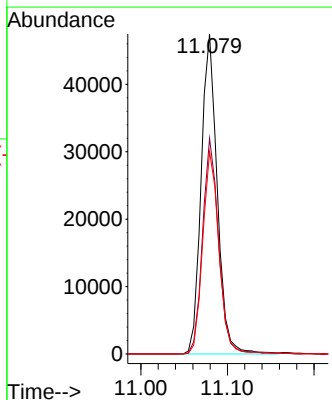
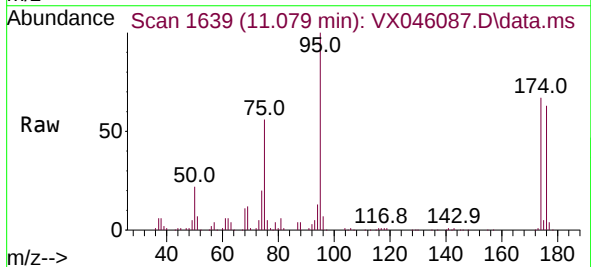
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

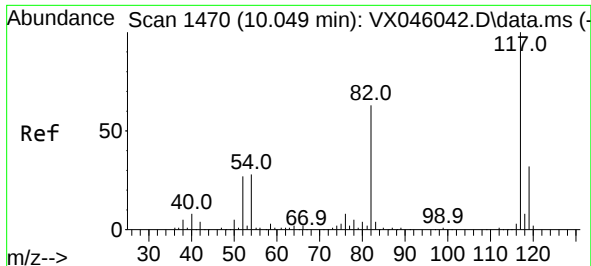
Tgt Ion: 43 Resp: 12033
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 95 Resp: 61274
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 63.9 0.0 131.4

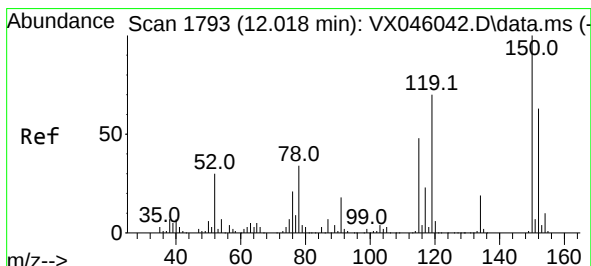
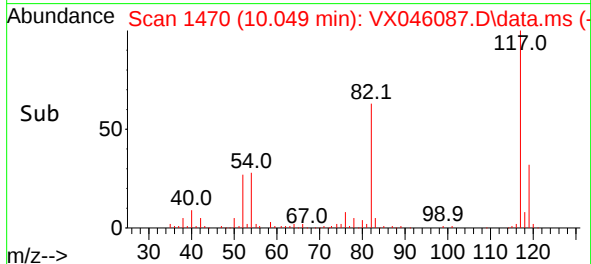
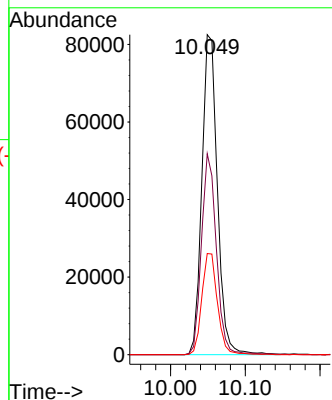
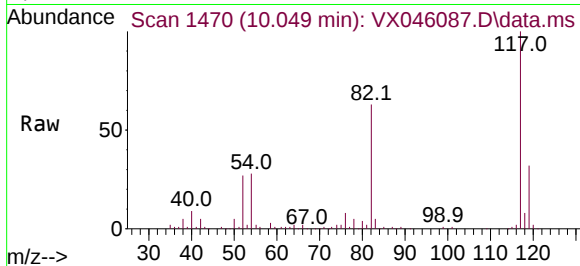




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

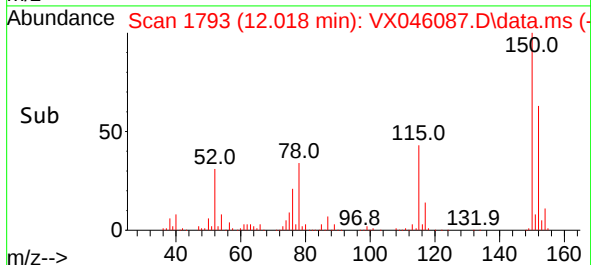
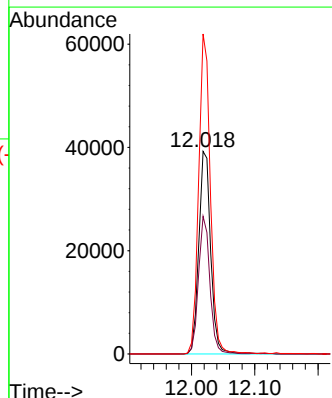
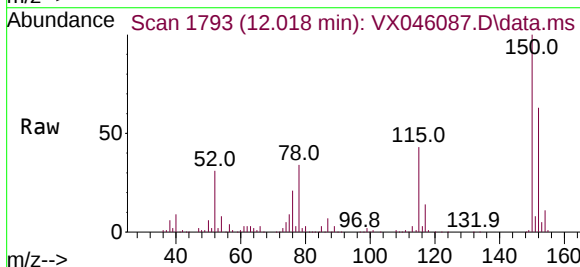
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

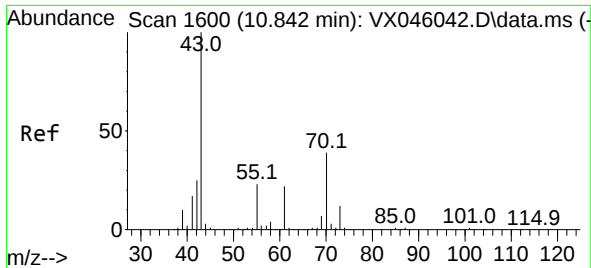
Tgt Ion:117 Resp: 118895
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion:152 Resp: 51441
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 154.6 0.0 351.0

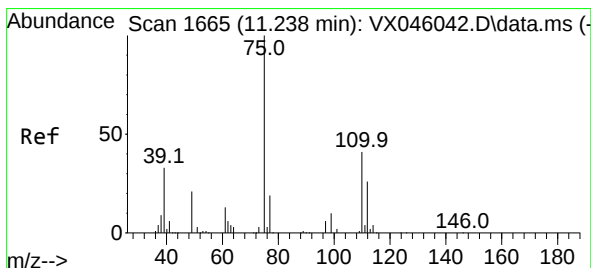
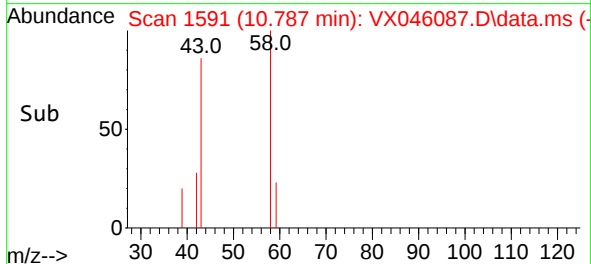
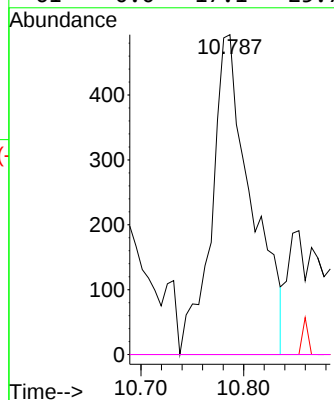
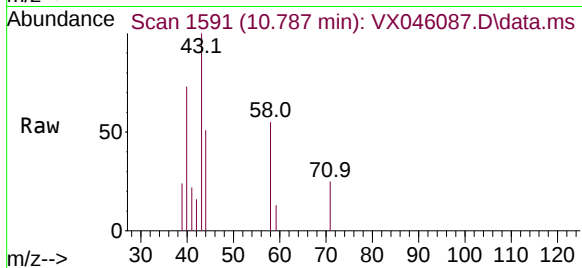




#74
N-amy1 acetate
Concen: 0.666 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

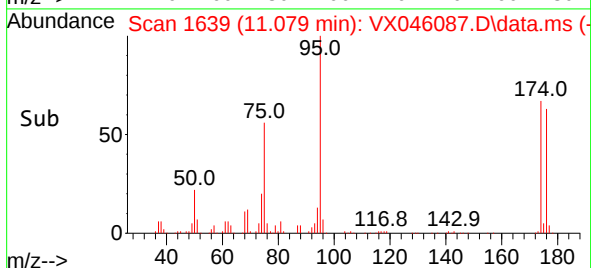
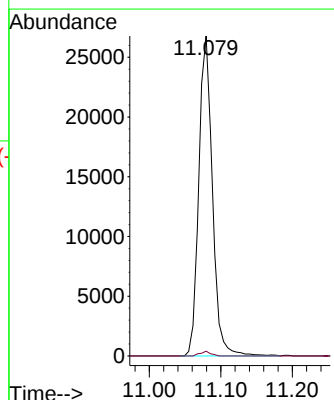
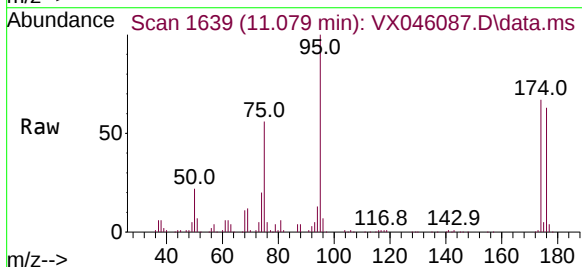
Instrument :
MSVOA_X
ClientSampleId :
MH-LL

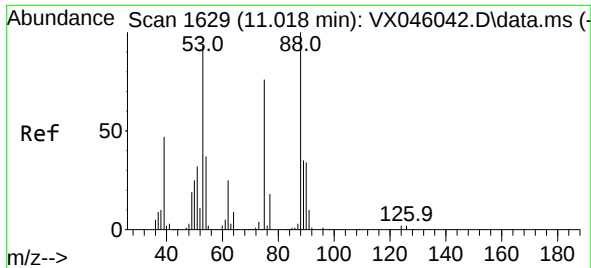
Tgt Ion: 43	Resp: 1318
Ion Ratio	Lower Upper
43 100	
70 0.0	30.9 46.3#
55 0.0	18.7 28.1#
61 0.0	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 28.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046087.D
Acq: 08 May 2025 13:42

Tgt Ion: 75	Resp: 35444
Ion Ratio	Lower Upper
75 100	
77 1.1	20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.195 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046087.D
 Acq: 08 May 2025 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-LL

Tgt Ion: 75 Resp: 35444
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

