

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046026.D
 Acq On : 02 May 2025 14:38
 Operator : JC/MD
 Sample : Q1928-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-Q

Quant Time: May 02 23:16:19 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

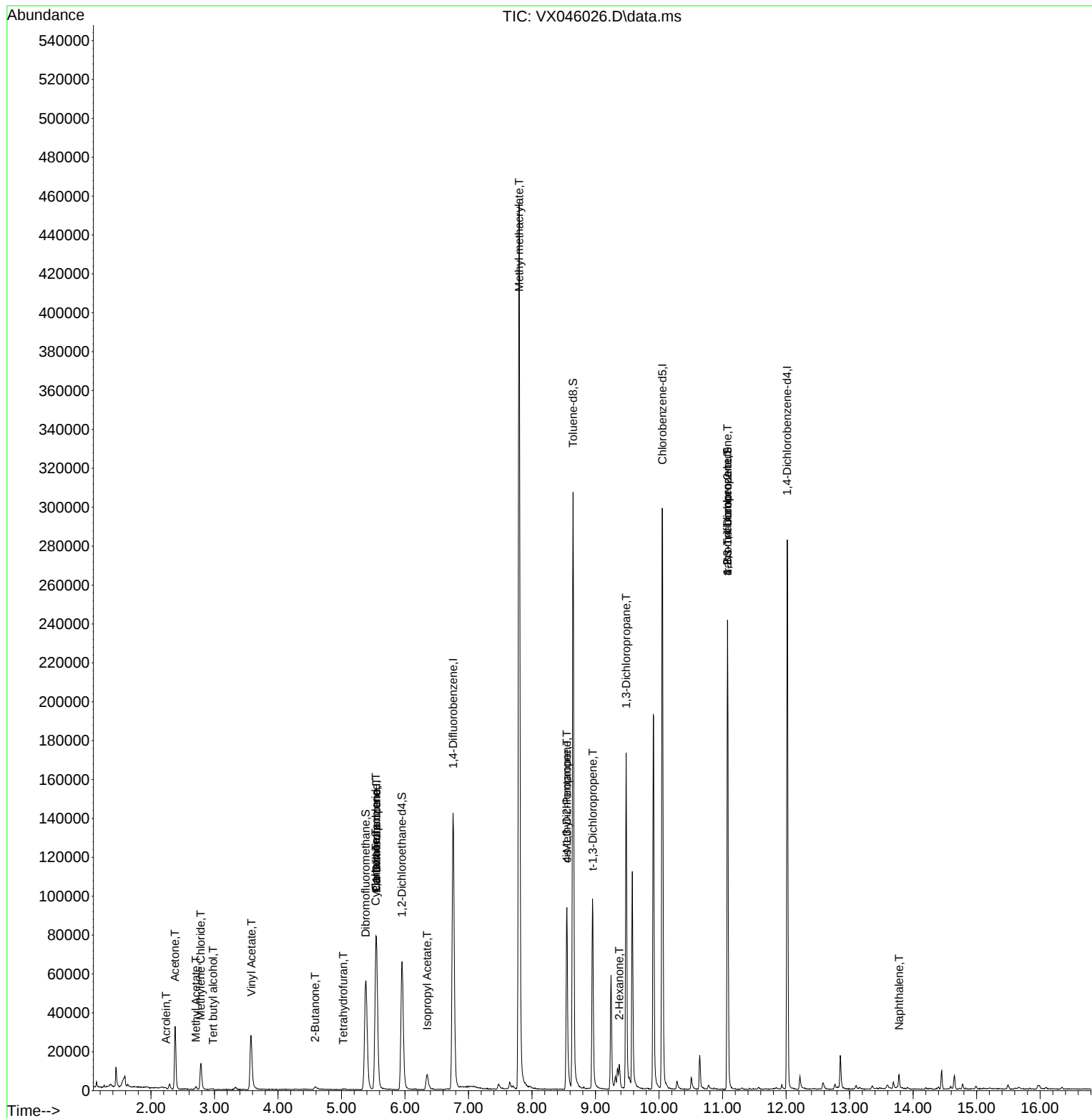
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	68206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67183	53.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.720%	
35) Dibromofluoromethane	5.379	113	49513	51.358	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.720%	
50) Toluene-d8	8.647	98	172355	51.220	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	11.079	95	62864	51.288	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.580%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	255	1.521	ug/l	# 72
13) Acrolein	2.239	56	348	1.508	ug/l	86
16) Acetone	2.380	43	34449	67.259	ug/l	98
18) Methyl Acetate	2.709	43	1965	1.666	ug/l	92
20) Methylene Chloride	2.782	84	6152	6.416	ug/l	95
23) Vinyl Acetate	3.580	43	587	0.222	ug/l	# 74
25) 2-Butanone	4.586	43	3402	4.538	ug/l	99
29) Tetrahydrofuran	5.025	42	138	0.284	ug/l	# 69
31) Cyclohexane	5.537	56	2037	1.331	ug/l	# 16
36) 1,1-Dichloropropene	5.550	75	6951	5.340	ug/l	# 47
38) Carbon Tetrachloride	5.544	117	8036	5.712	ug/l	# 17
43) Isopropyl Acetate	6.348	43	11407	4.588	ug/l	98
48) Methyl methacrylate	7.799	41	45782	35.664	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.549	43	37379	22.679	ug/l	# 53
53) t-1,3-Dichloropropene	8.958	75	176	2.404	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	14183	9.925	ug/l	# 67
57) 1,3-Dichloropropane	9.482	76	1346	0.806	ug/l	# 42
59) 2-Hexanone	9.372	43	11494	9.417	ug/l	# 28
76) 1,2,3-Trichloropropane	11.079	75	36045	28.610	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	36045	97.099	ug/l	# 1
95) Naphthalene	13.780	128	4900	1.367	ug/l	98

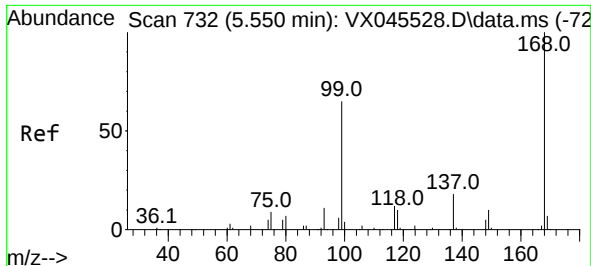
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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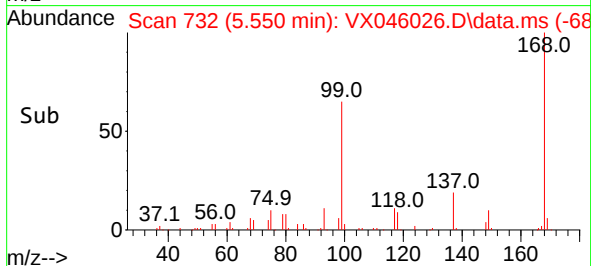
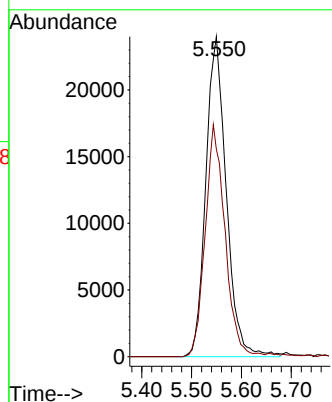
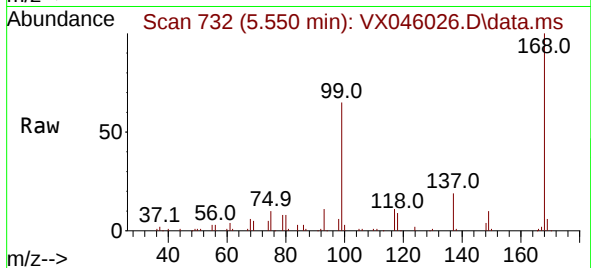




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

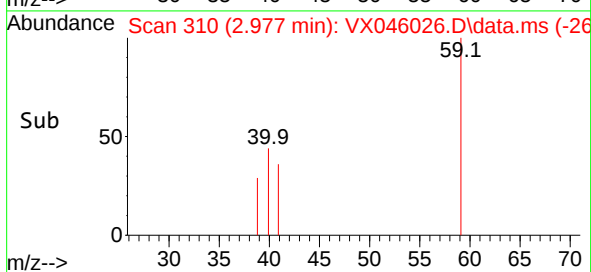
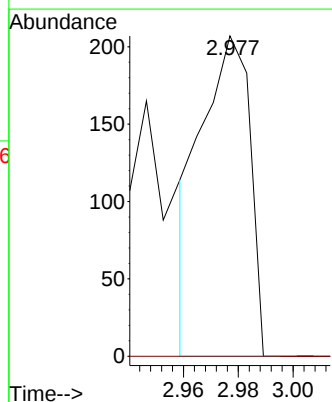
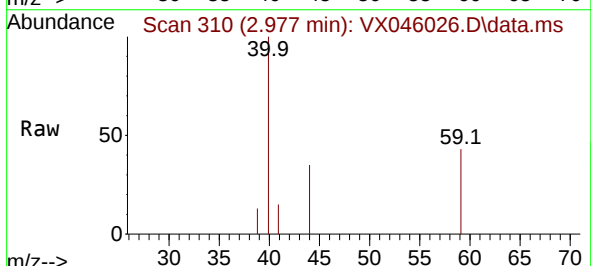
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

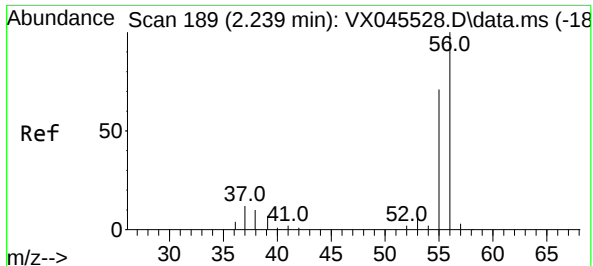
Tgt Ion:168 Resp: 68206
Ion Ratio Lower Upper
168 100
99 64.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.521 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.508 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

Instrument :

MSVOA_X

ClientSampleId :

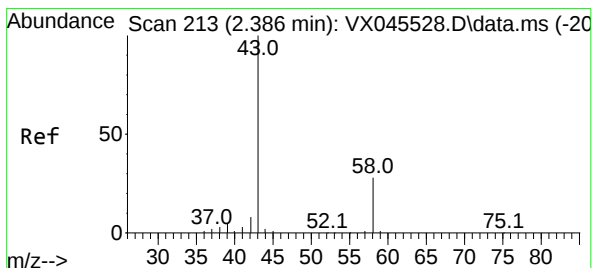
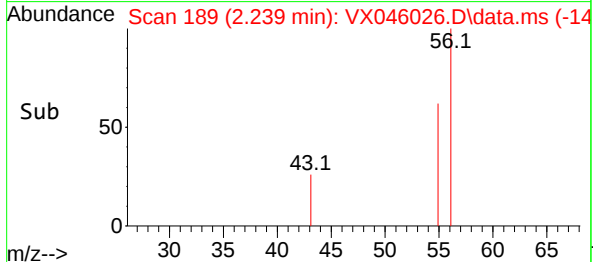
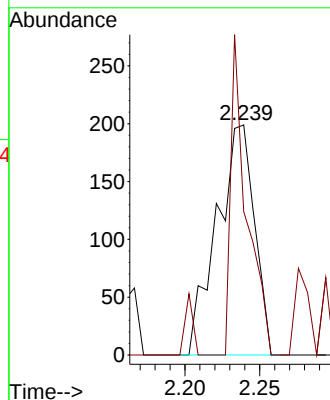
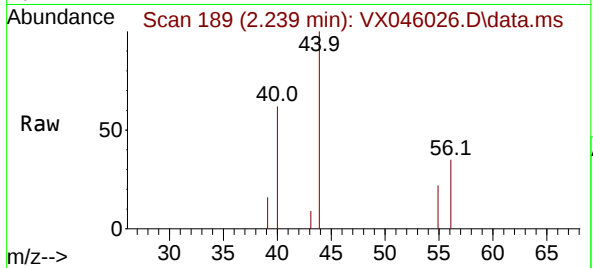
MH-Q

Tgt Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 58.9 56.2 84.2



#16

Acetone

Concen: 67.259 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046026.D

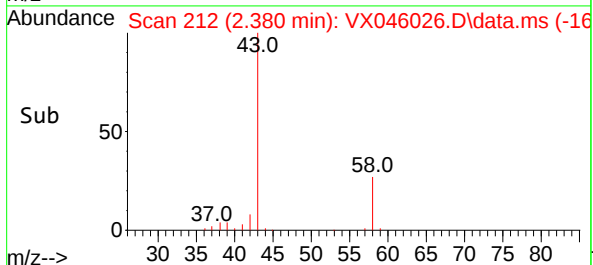
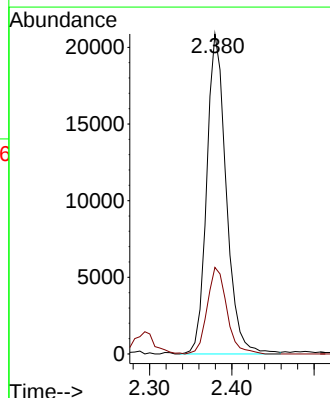
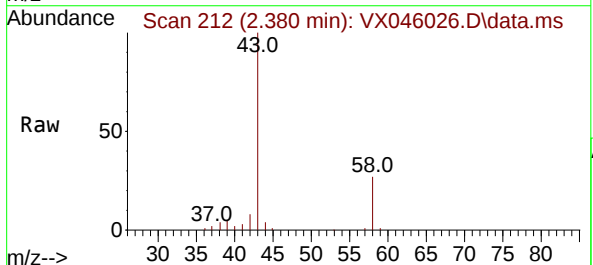
Acq: 02 May 2025 14:38

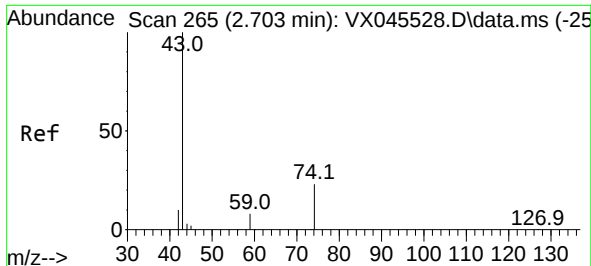
Tgt Ion: 43 Resp: 34449

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5

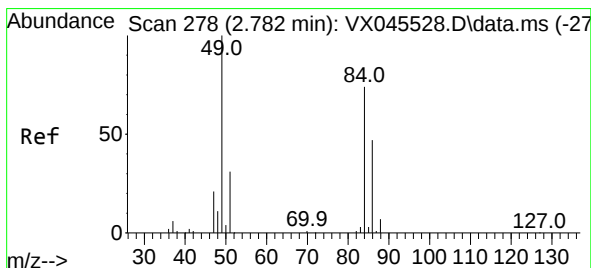
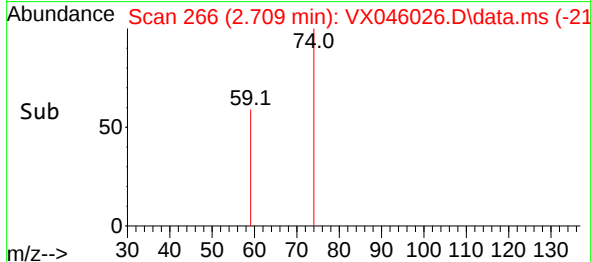
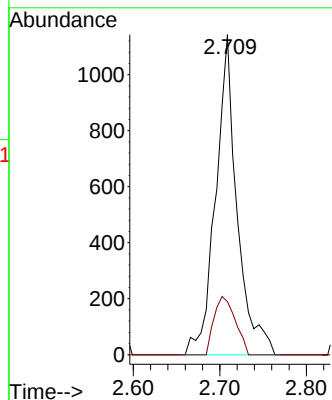
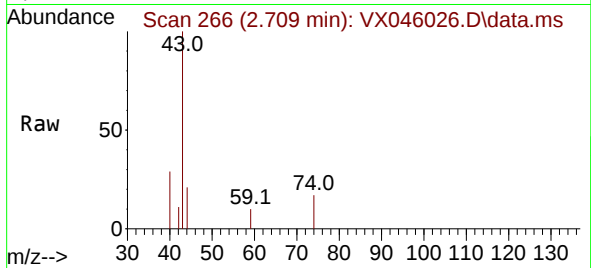




#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

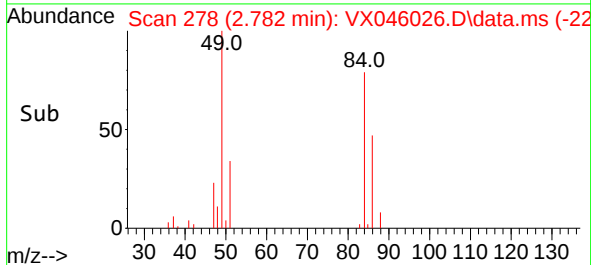
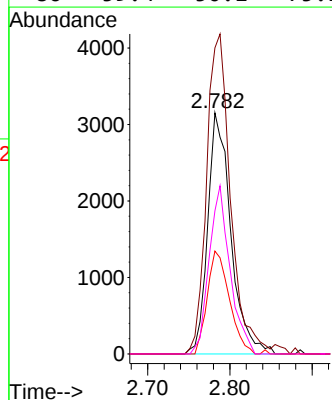
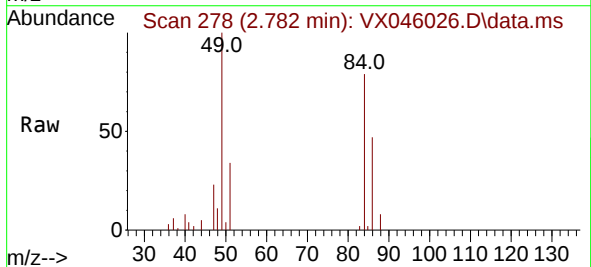
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

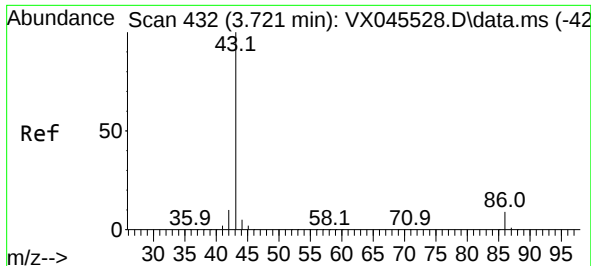
Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
74 18.0 17.5 26.3



#20
Methylene Chloride
Concen: 6.416 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 84 Resp: 6152
Ion Ratio Lower Upper
84 100
49 127.0 107.5 161.3
51 42.6 33.0 49.6
86 59.4 50.1 75.1

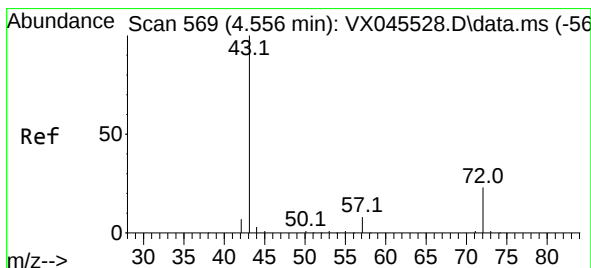
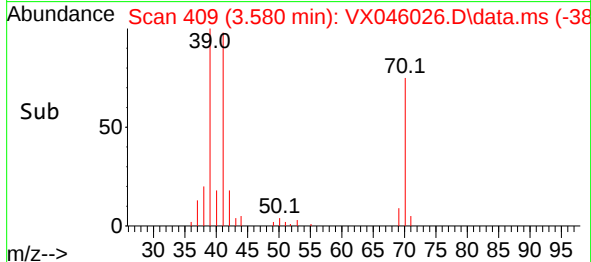
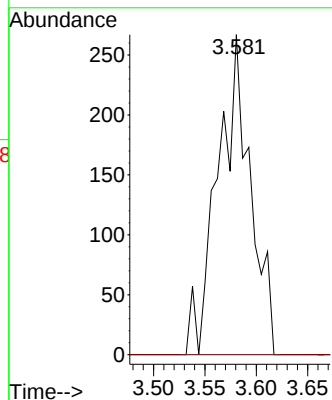
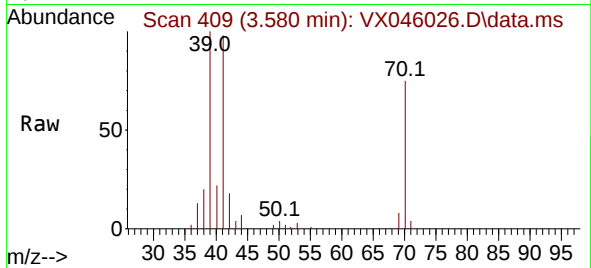




#23
 Vinyl Acetate
 Concen: 0.222 ug/l
 RT: 3.580 min Scan# 409
 Delta R.T. -0.140 min
 Lab File: VX046026.D
 Acq: 02 May 2025 14:38

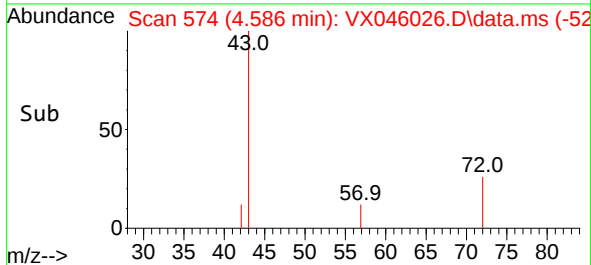
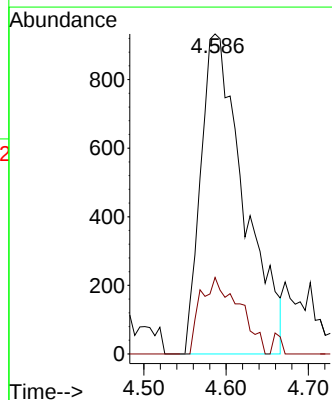
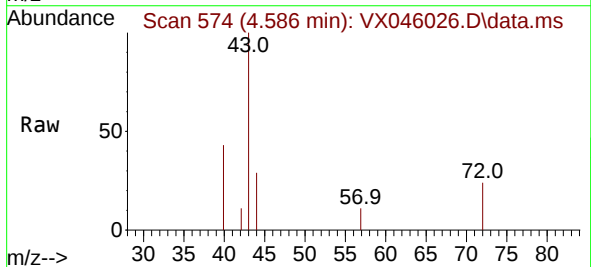
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-Q

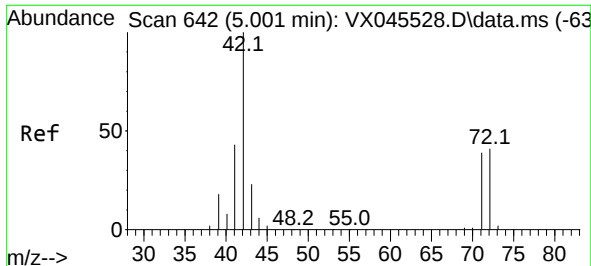
Tgt Ion: 43 Resp: 587
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 4.538 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.030 min
 Lab File: VX046026.D
 Acq: 02 May 2025 14:38

Tgt Ion: 43 Resp: 3402
 Ion Ratio Lower Upper
 43 100
 72 23.9 18.6 28.0





#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

Instrument :

MSVOA_X

ClientSampleId :

MH-Q

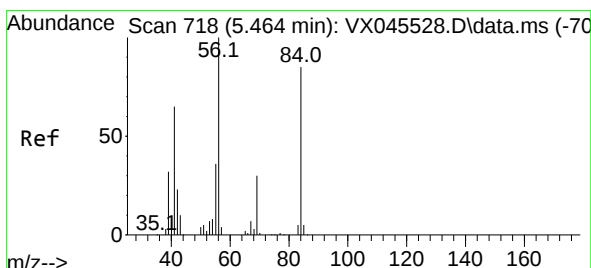
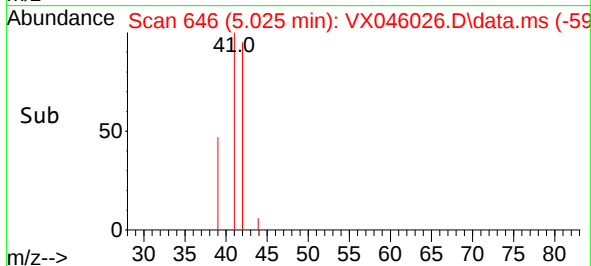
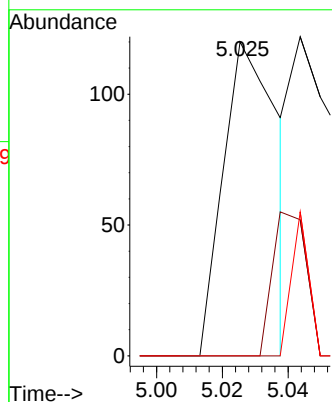
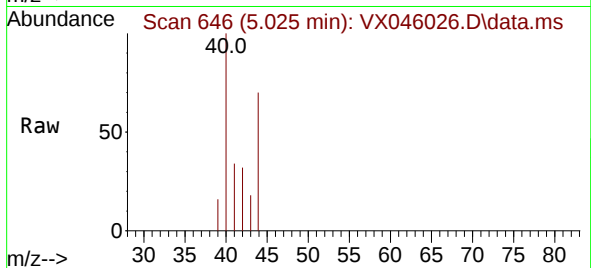
Tgt Ion: 42 Resp: 138

Ion Ratio Lower Upper

42 100

72 28.3 33.4 50.0#

71 14.5 31.4 47.0#



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

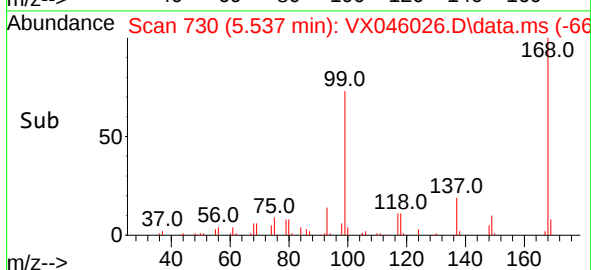
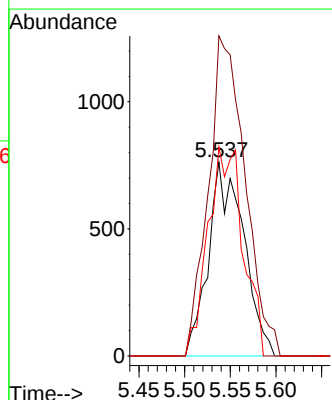
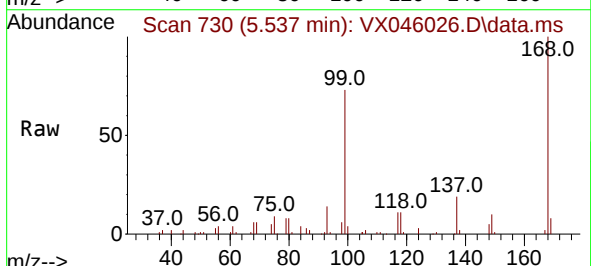
Tgt Ion: 56 Resp: 2037

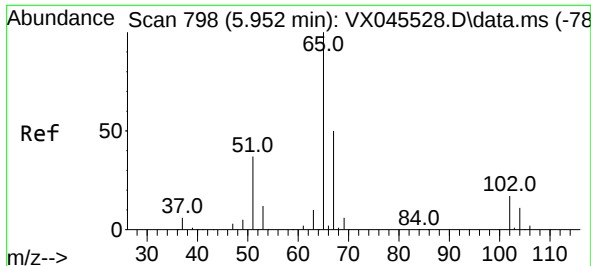
Ion Ratio Lower Upper

56 100

69 165.2 23.6 35.4#

84 107.9 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 53.862 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

Instrument :

MSVOA_X

ClientSampleId :

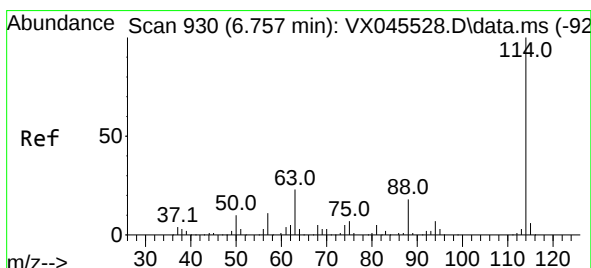
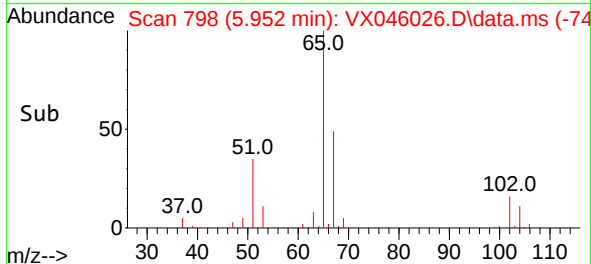
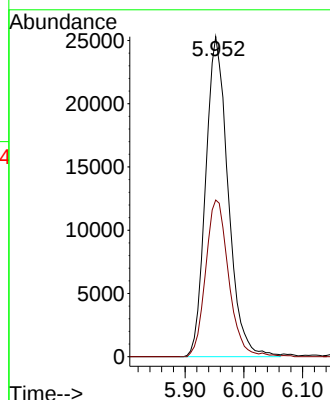
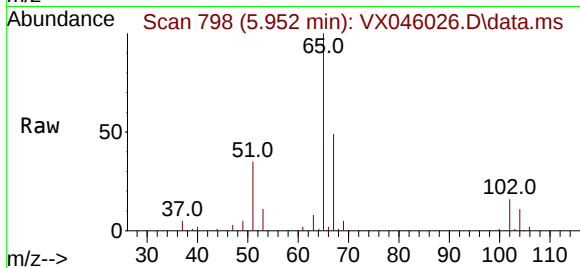
MH-Q

Tgt Ion: 65 Resp: 67183

Ion Ratio Lower Upper

65 100

67 50.3 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: VX046026.D

Acq: 02 May 2025 14:38

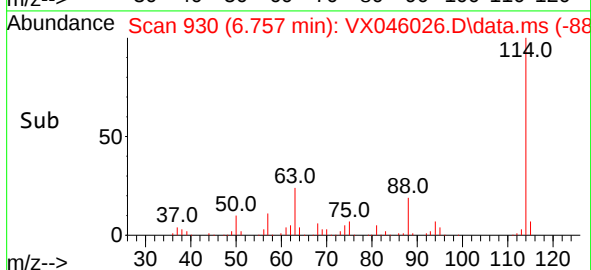
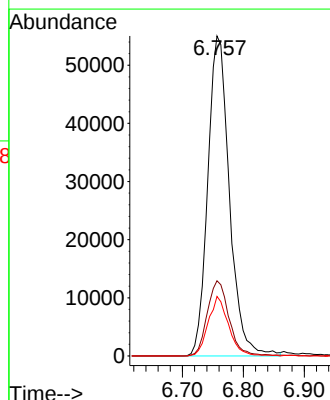
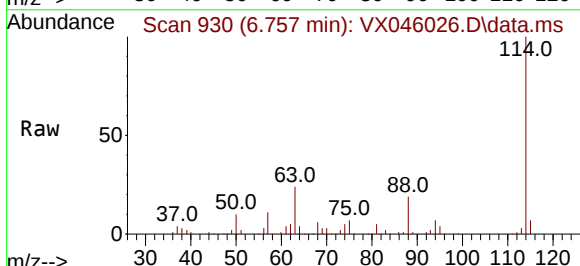
Tgt Ion: 114 Resp: 135881

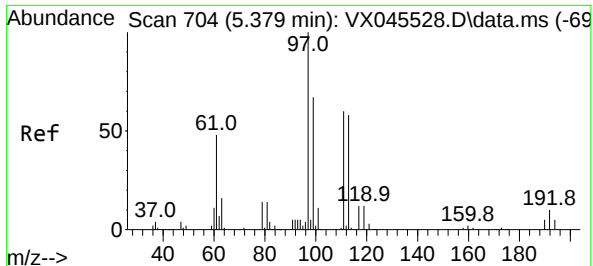
Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.8

88 18.6 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

Instrument :

MSVOA_X

ClientSampleId :

MH-Q

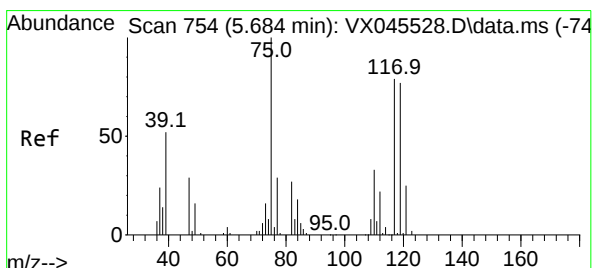
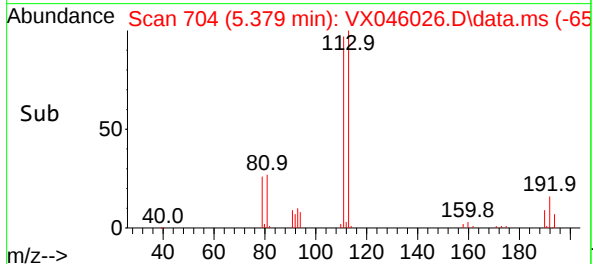
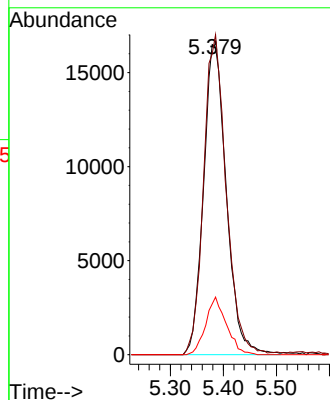
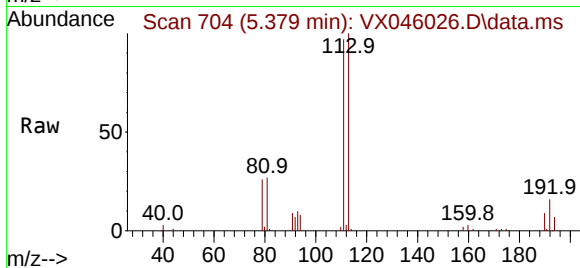
Tgt Ion:113 Resp: 49513

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

192 16.8 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.340 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX046026.D

Acq: 02 May 2025 14:38

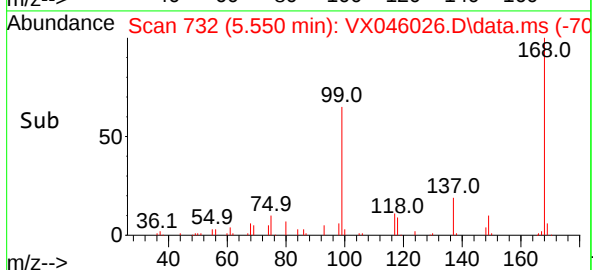
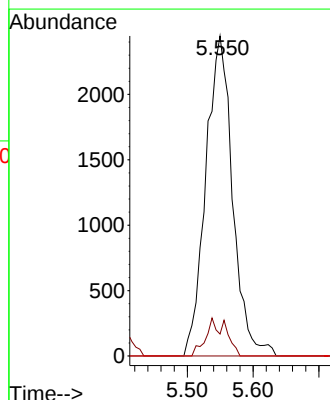
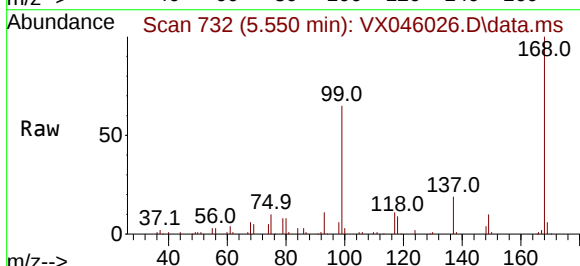
Tgt Ion: 75 Resp: 6951

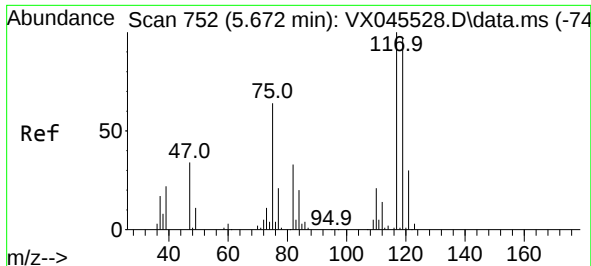
Ion Ratio Lower Upper

75 100

110 5.7 16.9 50.6#

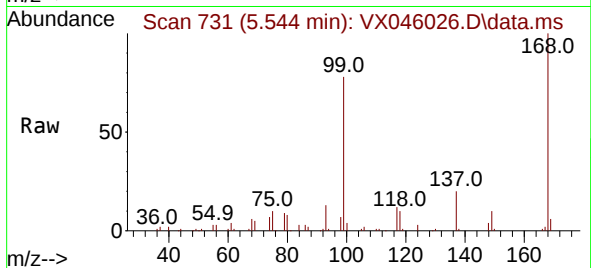
77 0.0 25.0 37.4#



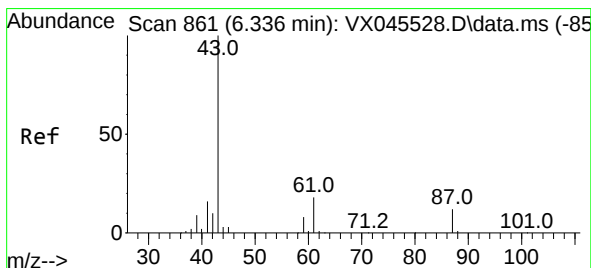
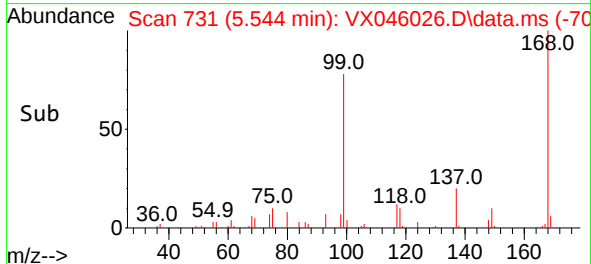
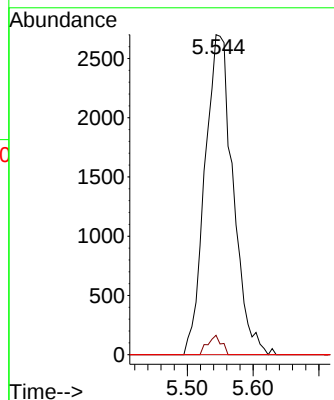


#38
Carbon Tetrachloride
Concen: 5.712 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Instrument :
MSVOA_X
ClientSampleId :
MH-Q

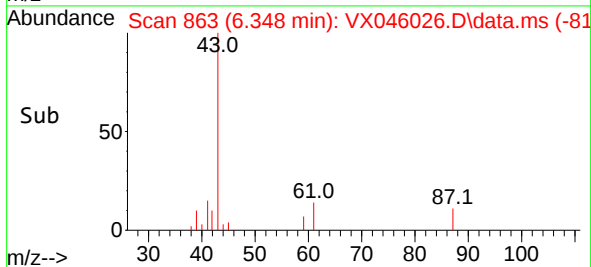
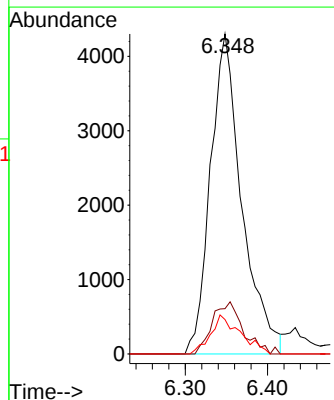
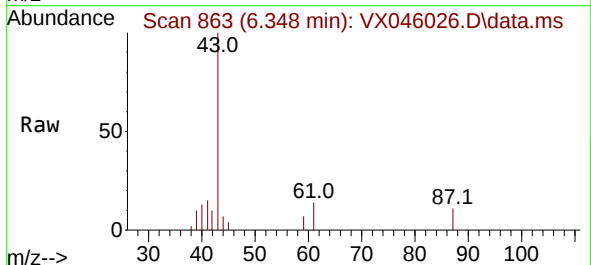


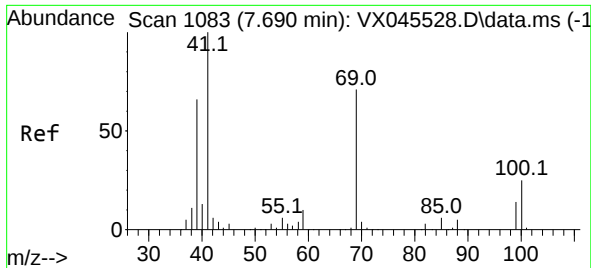
Tgt Ion:117 Resp: 8036
Ion Ratio Lower Upper
117 100
119 6.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.588 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 43 Resp: 11407
Ion Ratio Lower Upper
43 100
61 16.1 14.1 21.1
87 11.5 9.2 13.8

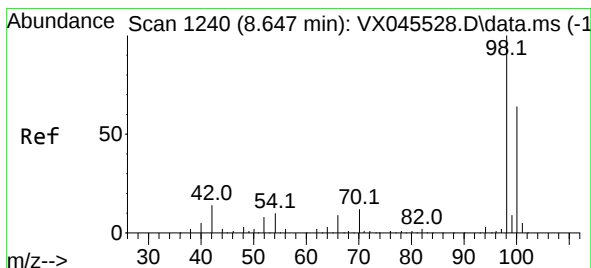
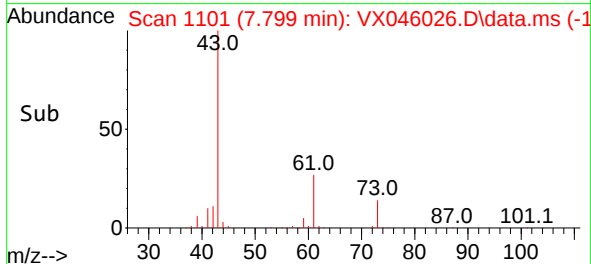
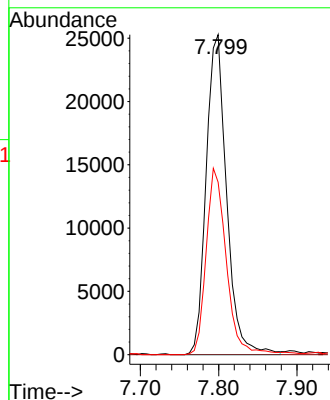
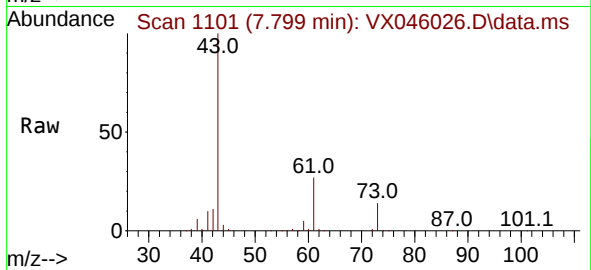




#48
Methyl methacrylate
Concen: 35.664 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

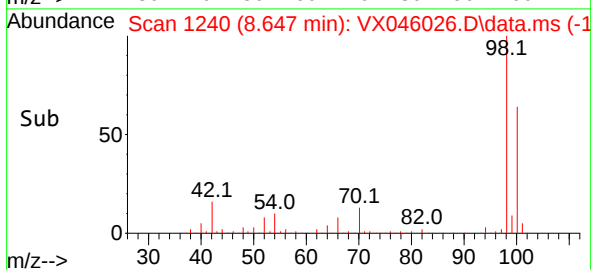
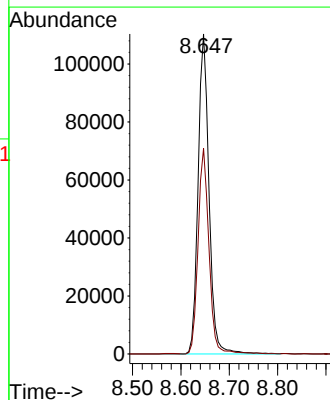
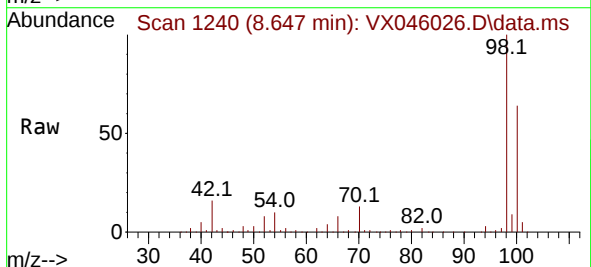
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

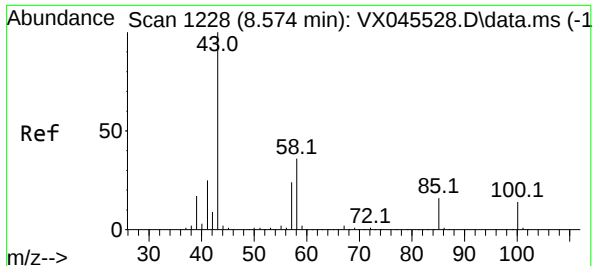
Tgt Ion: 41 Resp: 45782
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.7 53.6 80.4



#50
Toluene-d8
Concen: 51.220 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 98 Resp: 172355
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

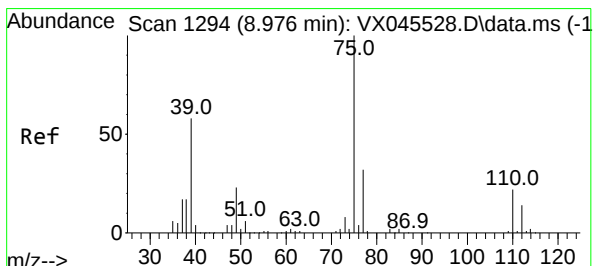
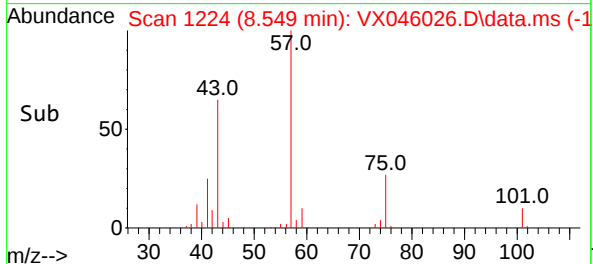
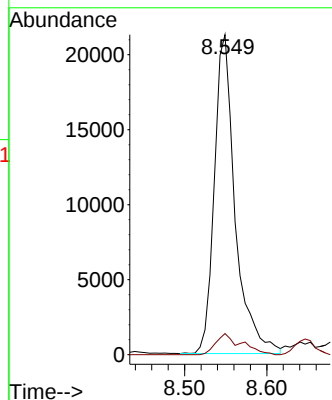
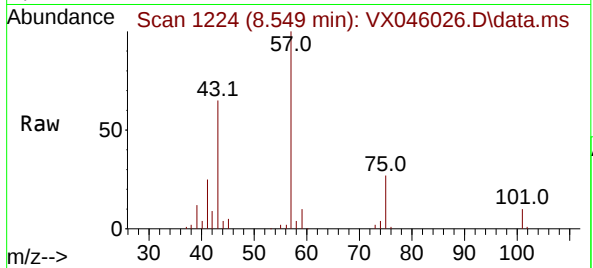




#51
4-Methyl-2-Pentanone
Concen: 22.679 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

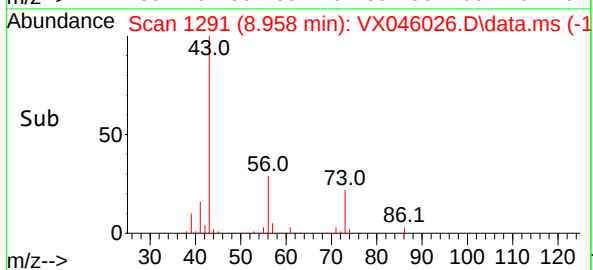
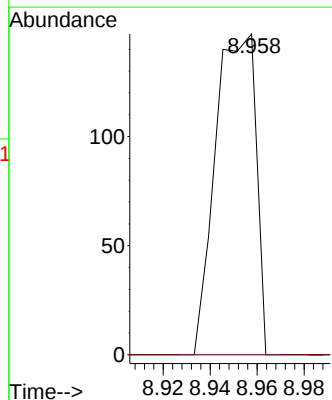
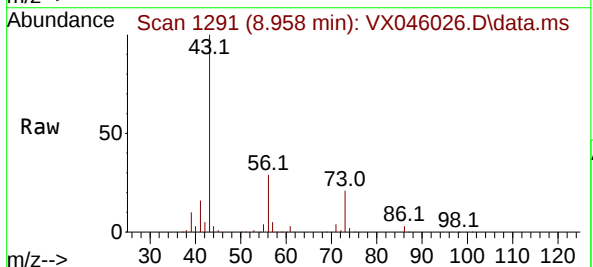
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

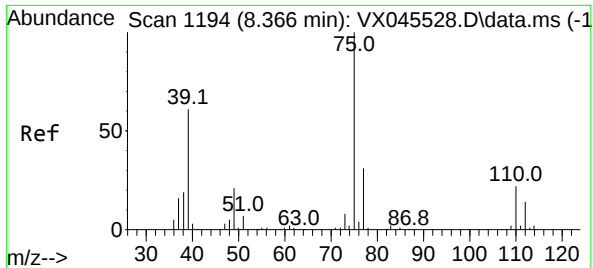
Tgt Ion: 43 Resp: 37379
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.404 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 75 Resp: 176
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

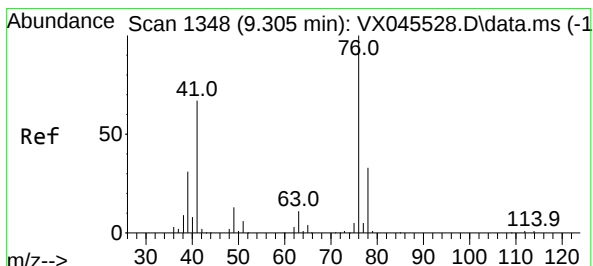
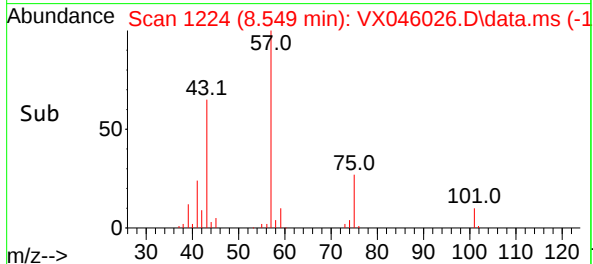
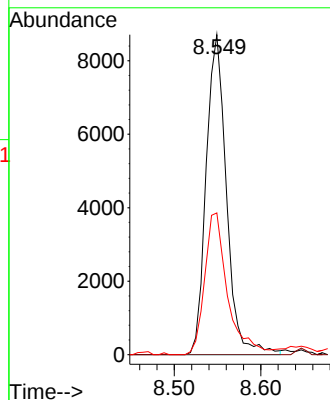
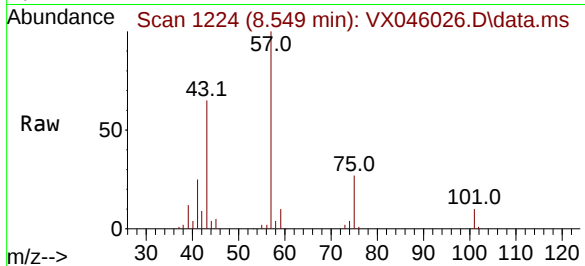




#54
 cis-1,3-Dichloropropene
 Concen: 9.925 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046026.D
 Acq: 02 May 2025 14:38

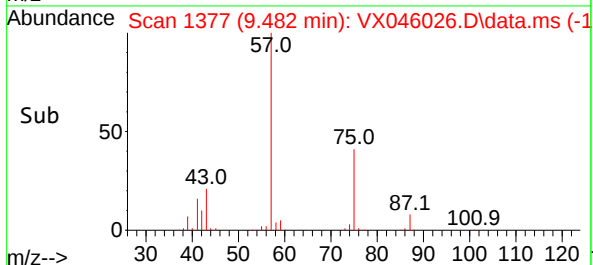
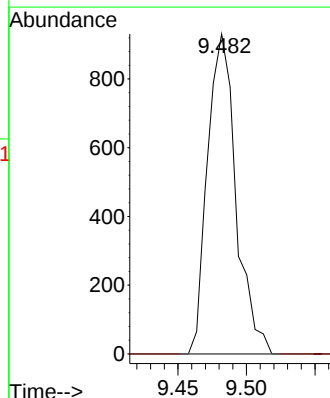
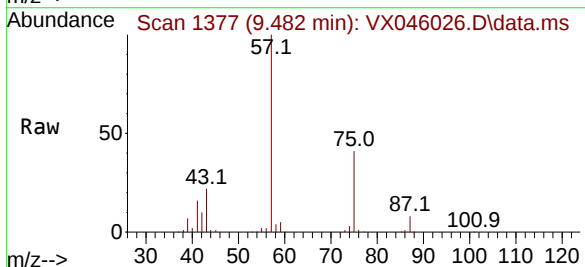
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-Q

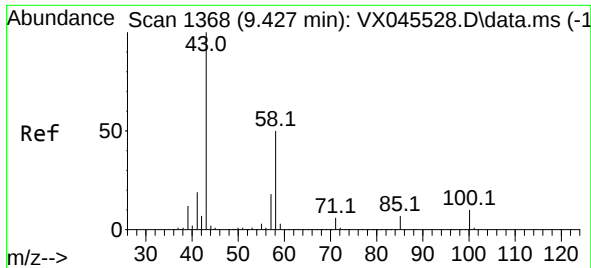
Tgt Ion: 75 Resp: 14183
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.3 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.806 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046026.D
 Acq: 02 May 2025 14:38

Tgt Ion: 76 Resp: 1346
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

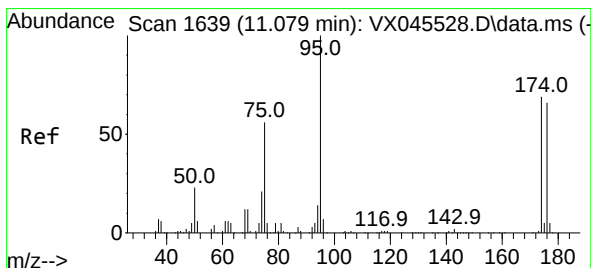
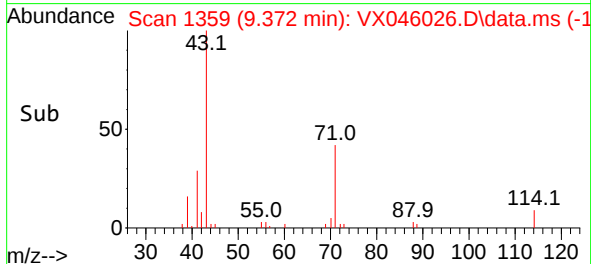
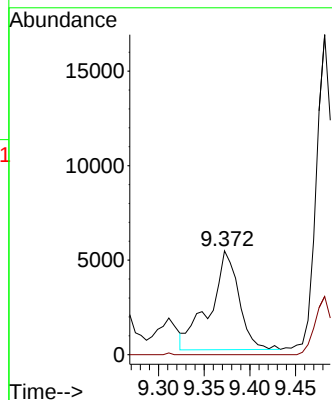
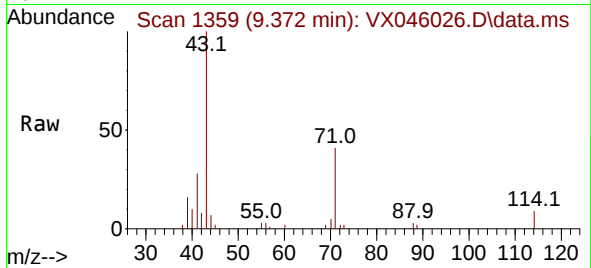




#59
2-Hexanone
Concen: 9.417 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

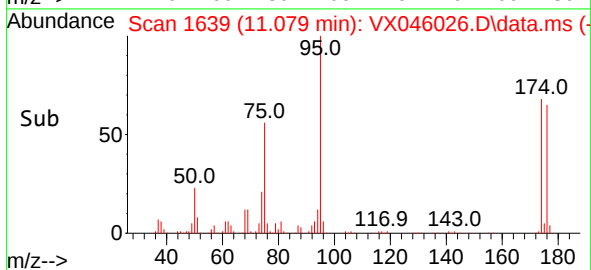
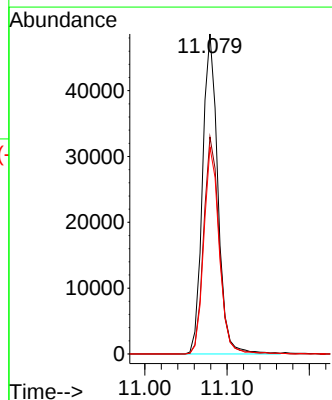
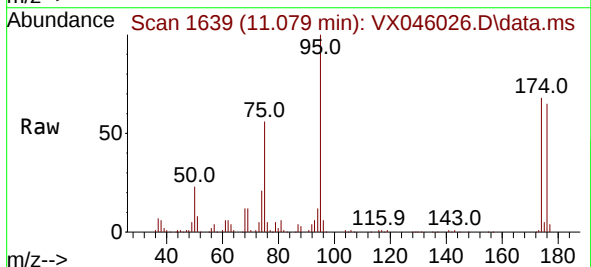
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

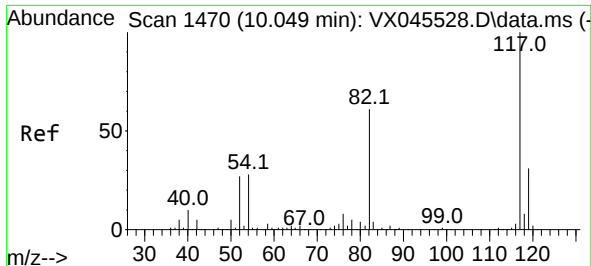
Tgt Ion: 43 Resp: 11494
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion: 95 Resp: 62864
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.8
176 65.4 0.0 131.4

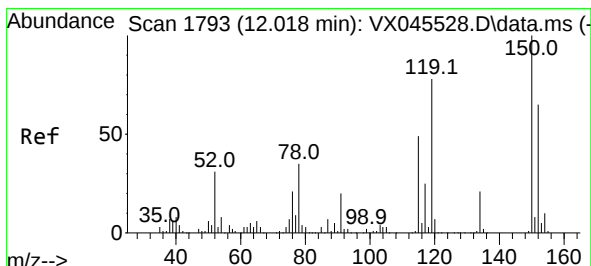
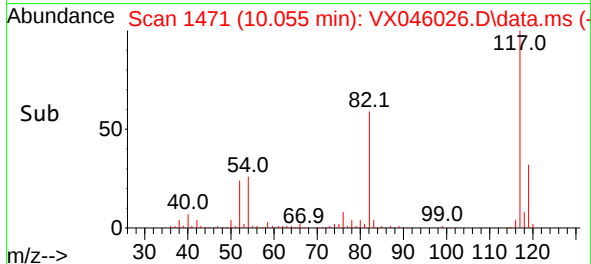
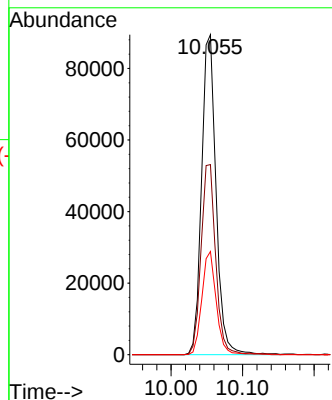
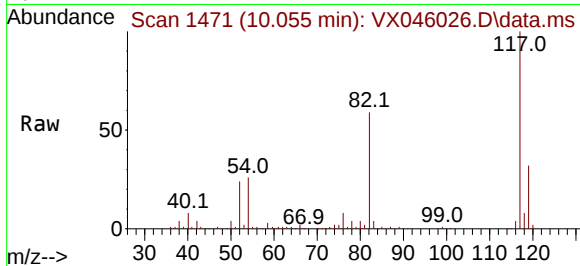




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

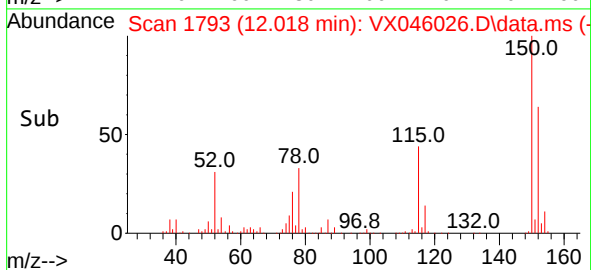
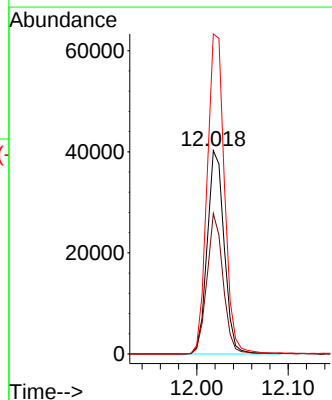
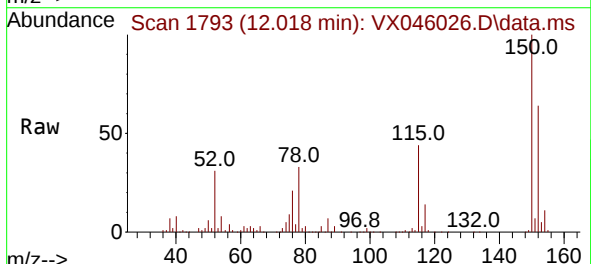
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

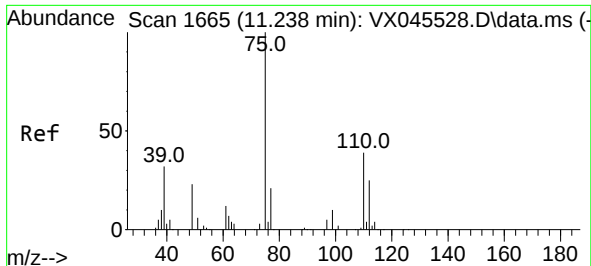
Tgt Ion:117 Resp: 125627
Ion Ratio Lower Upper
117 100
82 59.4 49.2 73.8
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Tgt Ion:152 Resp: 51650
Ion Ratio Lower Upper
152 100
115 66.2 46.9 140.7
150 160.9 0.0 349.4

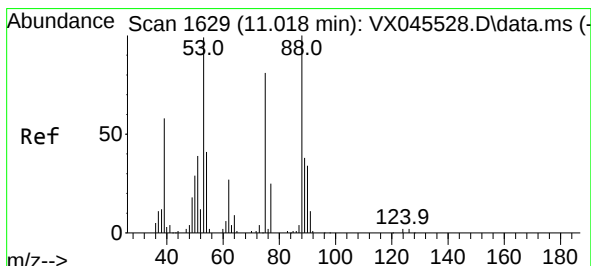
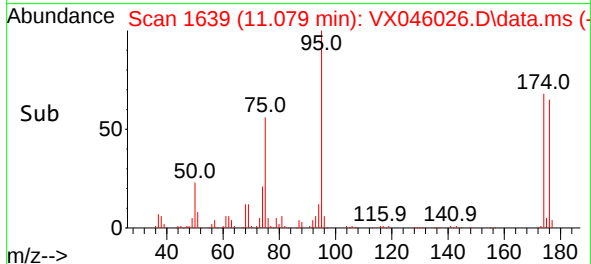
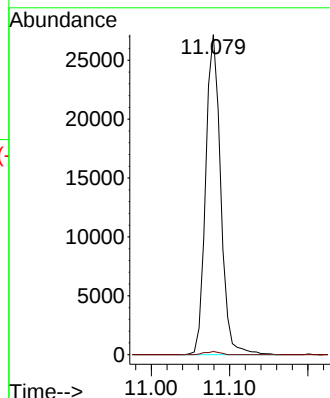
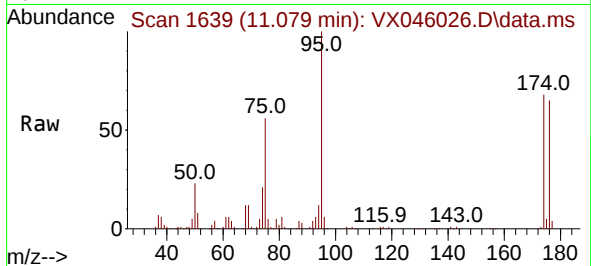




#76
1,2,3-Trichloropropane
Concen: 28.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

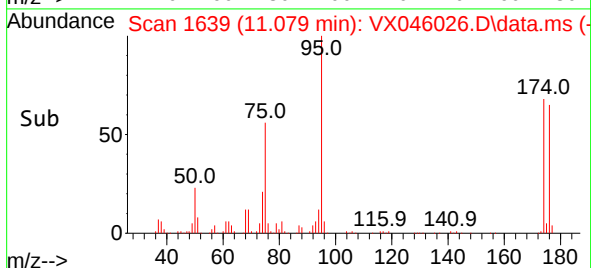
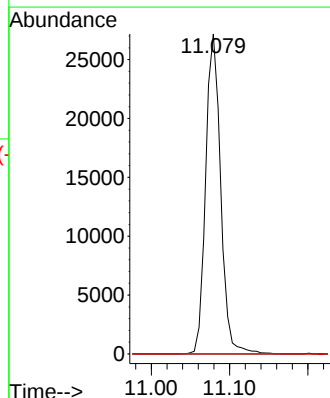
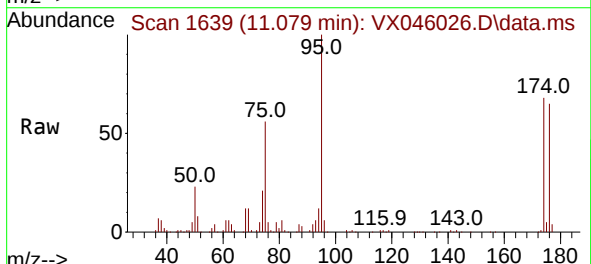
Instrument :
MSVOA_X
ClientSampleId :
MH-Q

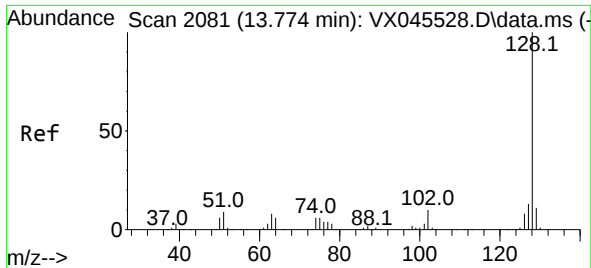
Tgt Ion: 75 Resp: 36045
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.099 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

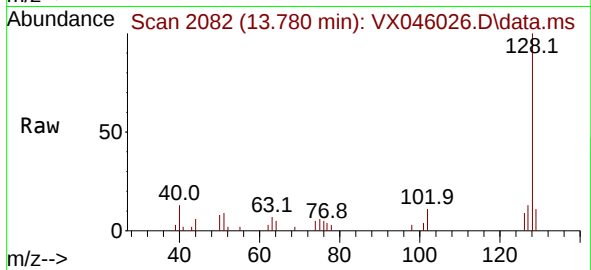
Tgt Ion: 75 Resp: 36045
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.367 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046026.D
Acq: 02 May 2025 14:38

Instrument :
MSVOA_X
ClientSampleId :
MH-Q



Tgt Ion:	128	Resp:	4900
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	10.3	8.6	12.8

