

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046090.D
 Acq On : 08 May 2025 14:52
 Operator : JC/MD
 Sample : Q1972-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC

Quant Time: May 09 01:57:33 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)

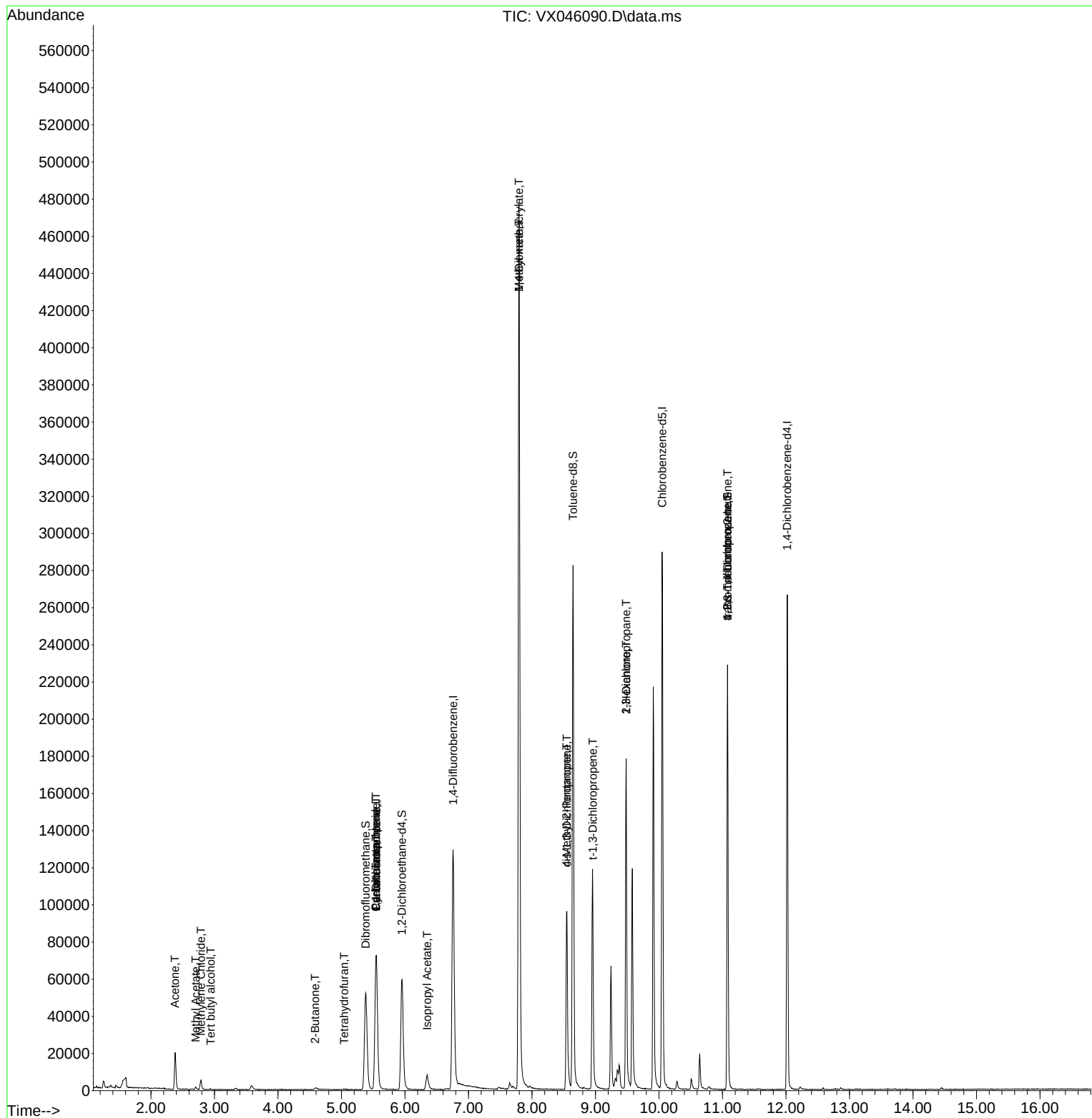
Internal Standards						
1) Pentafluorobenzene	5.550	168	62301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62457	53.773	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.540%		
35) Dibromofluoromethane	5.379	113	45627	51.295	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.580%		
50) Toluene-d8	8.647	98	157303	51.094	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.180%		
62) 4-Bromofluorobenzene	11.079	95	59377	50.279	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.560%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	45	0.276	ug/l #	72
16) Acetone	2.380	43	21180	45.480	ug/l	98
18) Methyl Acetate	2.703	43	1762	1.630	ug/l	96
20) Methylene Chloride	2.788	84	1990	2.230	ug/l #	92
25) 2-Butanone	4.587	43	2424	3.585	ug/l #	87
29) Tetrahydrofuran	5.044	42	104	0.245	ug/l #	35
31) Cyclohexane	5.544	56	1906	1.377	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	6090	5.096	ug/l #	53
38) Carbon Tetrachloride	5.544	117	7511	5.593	ug/l #	18
43) Isopropyl Acetate	6.349	43	11561	5.132	ug/l	98
48) Methyl methacrylate	7.793	41	46109	40.080	ug/l #	50
49) 1,4-Dioxane	7.793	88	45	2.060	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	39205	26.219	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	250	0.208	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14865	11.190	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1463	0.962	ug/l #	42
59) 2-Hexanone	9.482	43	23358	21.115	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	34860	29.238	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34860	95.190	ug/l #	1

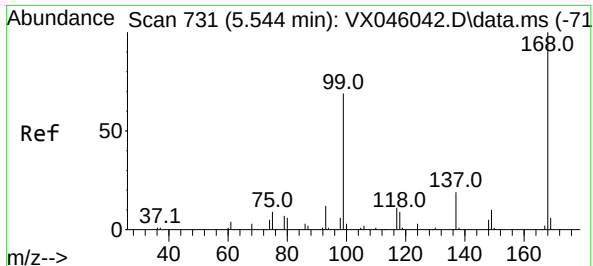
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 01:57:33 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

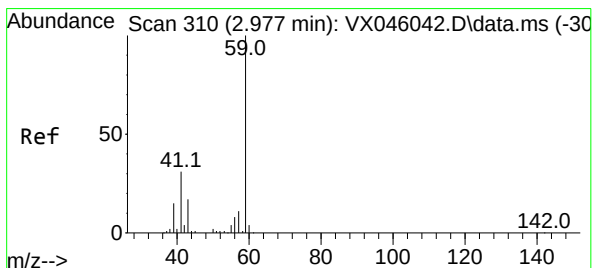
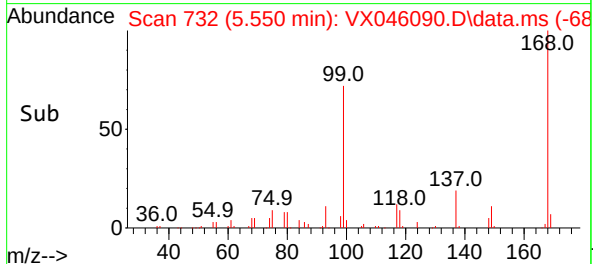
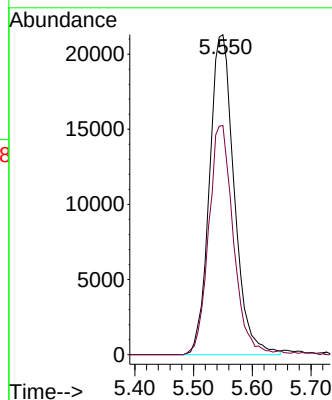
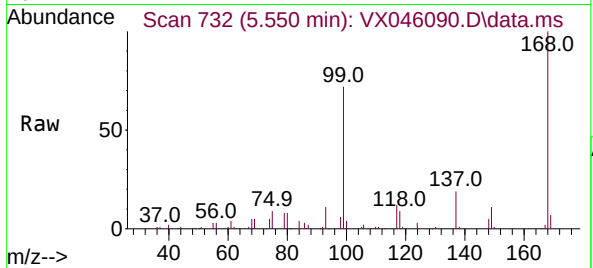




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

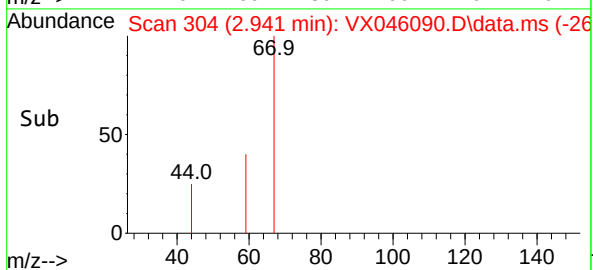
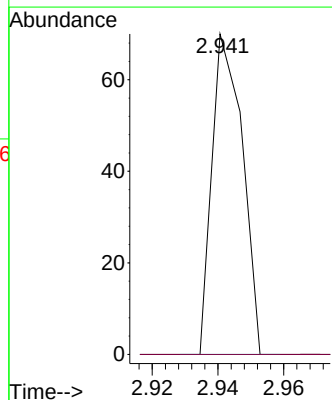
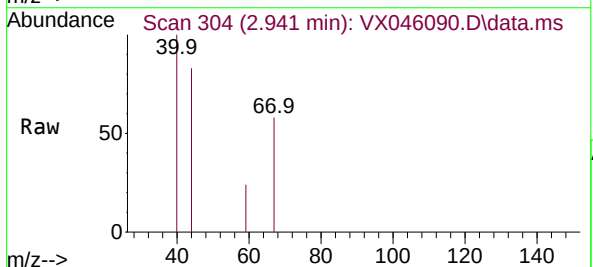
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC

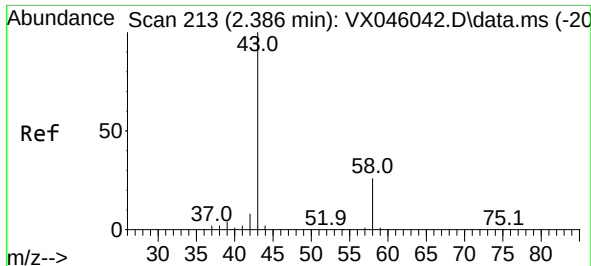
Tgt Ion:168 Resp: 62301
Ion Ratio Lower Upper
168 100
99 71.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

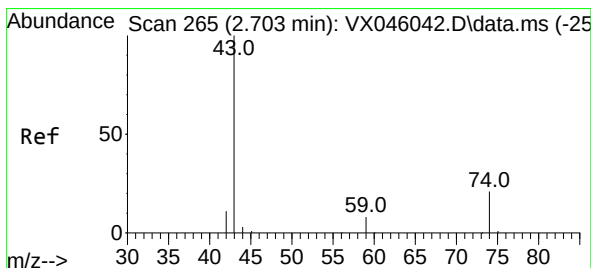
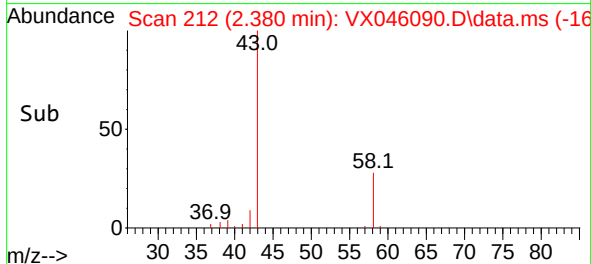
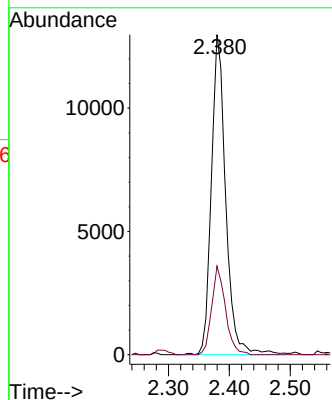
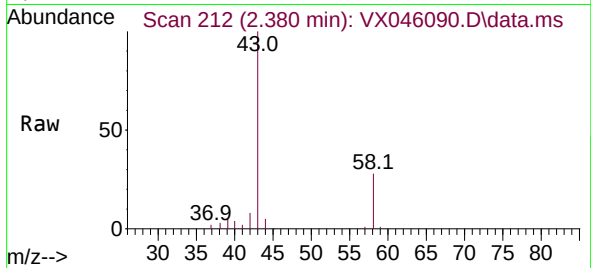




#16
Acetone
Concen: 45.480 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

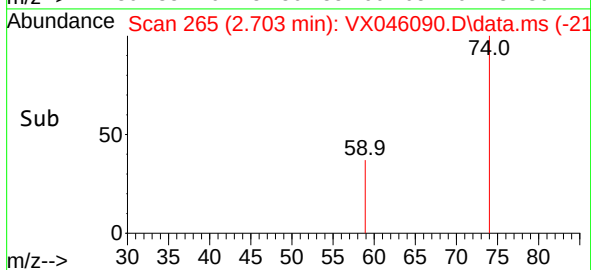
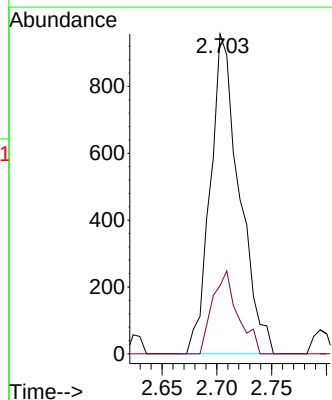
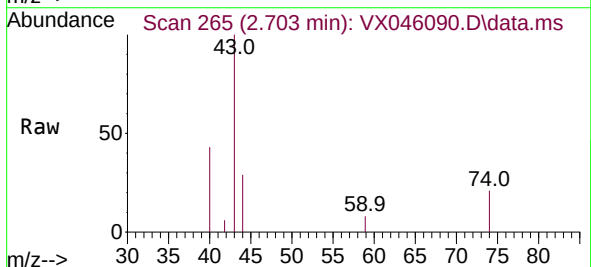
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC

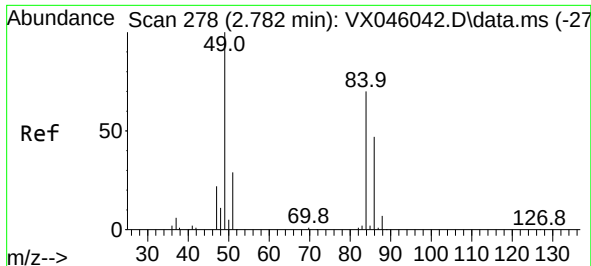
Tgt Ion: 43 Resp: 21180
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8



#18
Methyl Acetate
Concen: 1.630 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1





#20

Methylene Chloride

Concen: 2.230 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046090.D

Acq: 08 May 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

SUB-WC

Tgt Ion: 84 Resp: 1990

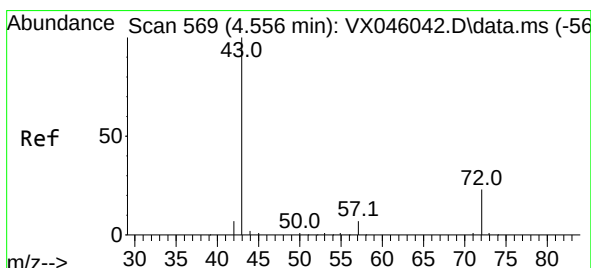
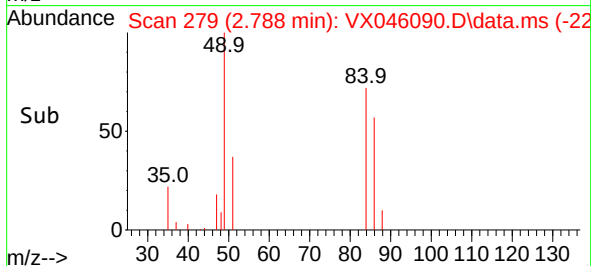
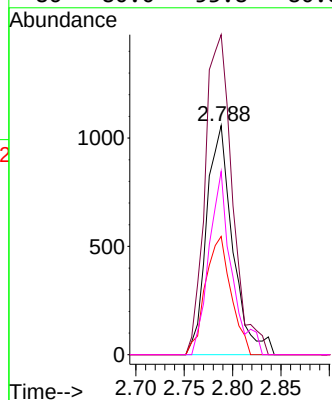
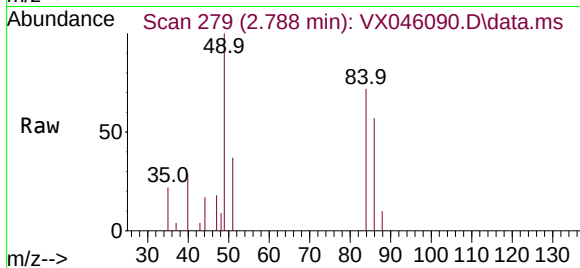
Ion Ratio Lower Upper

84 100

49 139.6 113.9 170.9

51 51.6 33.5 50.3#

86 80.0 53.8 80.8



#25

2-Butanone

Concen: 3.585 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.031 min

Lab File: VX046090.D

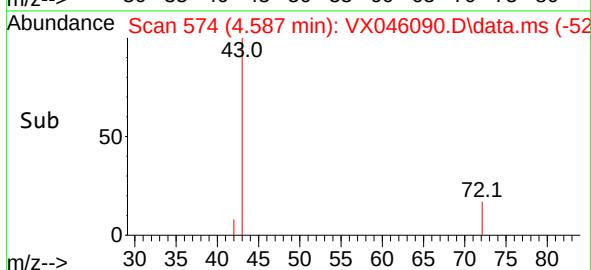
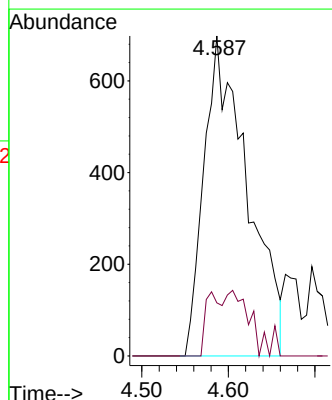
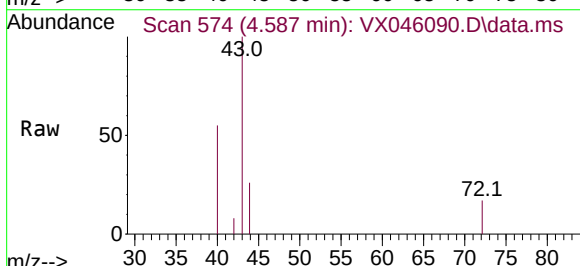
Acq: 08 May 2025 14:52

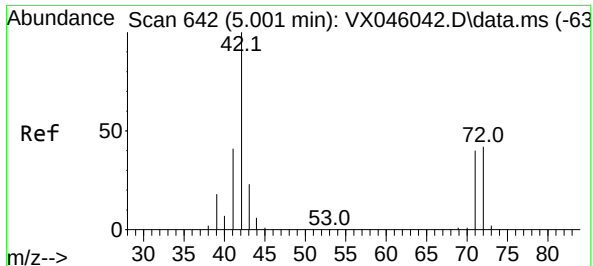
Tgt Ion: 43 Resp: 2424

Ion Ratio Lower Upper

43 100

72 16.6 18.4 27.6#





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX046090.D

Acq: 08 May 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

SUB-WC

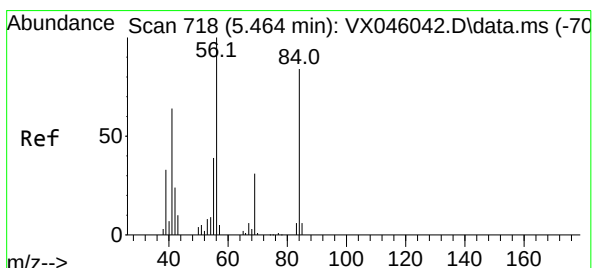
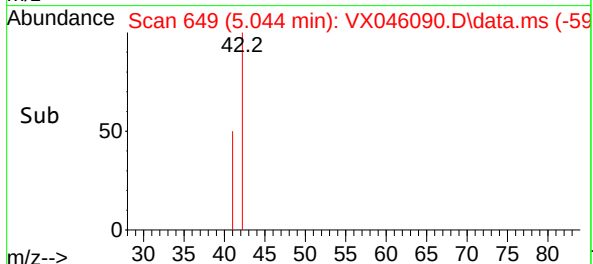
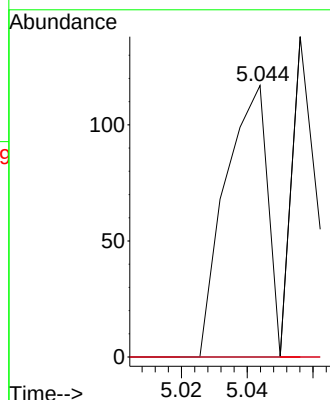
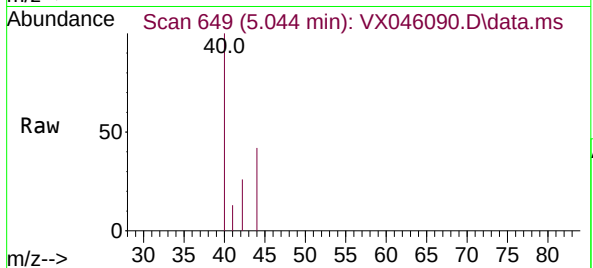
Tgt Ion: 42 Resp: 104

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046090.D

Acq: 08 May 2025 14:52

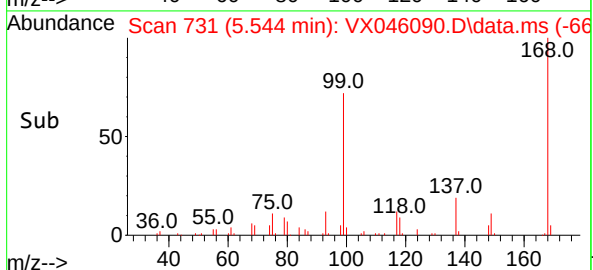
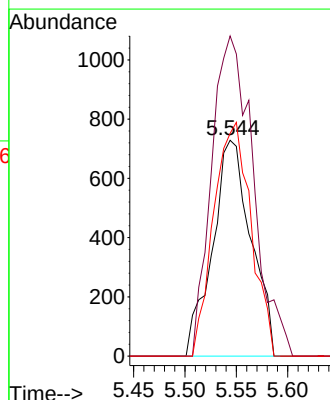
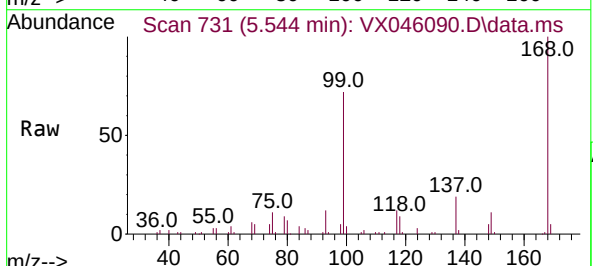
Tgt Ion: 56 Resp: 1906

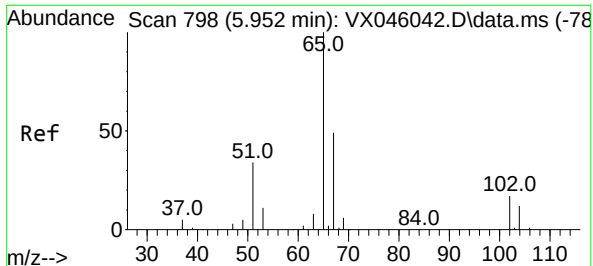
Ion Ratio Lower Upper

56 100

69 148.3 24.4 36.6#

84 103.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.773 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046090.D

Acq: 08 May 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

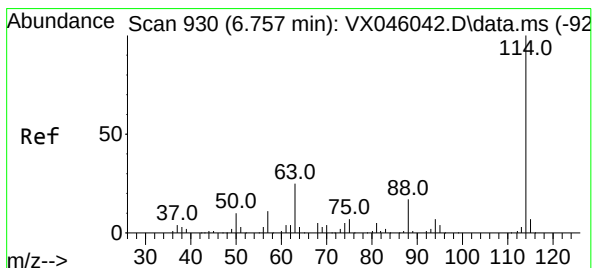
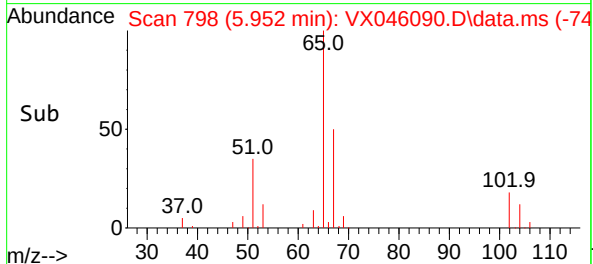
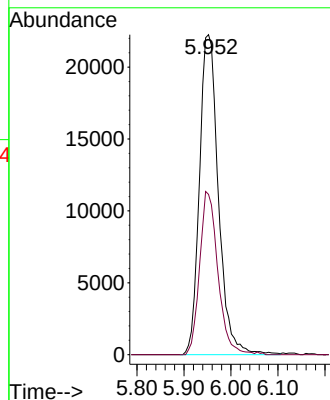
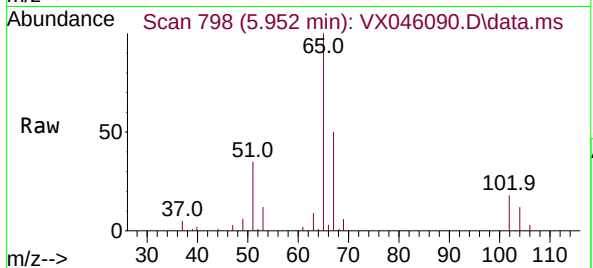
SUB-WC

Tgt Ion: 65 Resp: 62457

Ion Ratio Lower Upper

65 100

67 48.9 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: VX046090.D

Acq: 08 May 2025 14:52

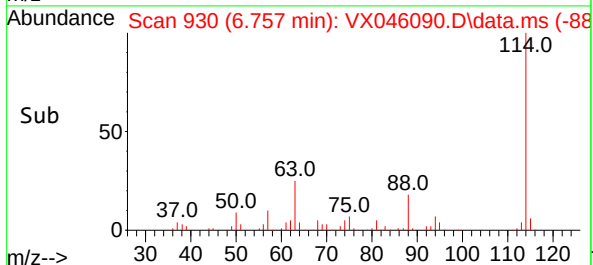
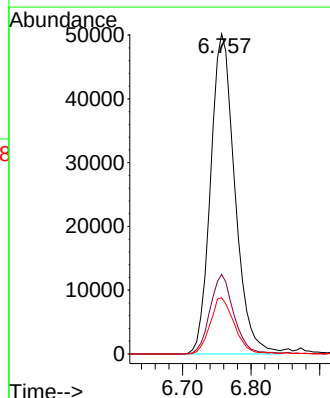
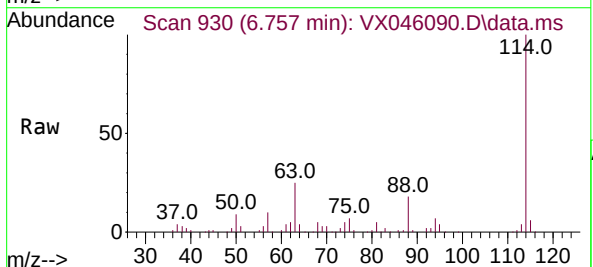
Tgt Ion: 114 Resp: 123524

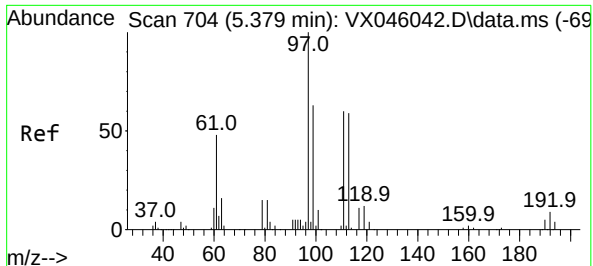
Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

88 17.6 0.0 33.6

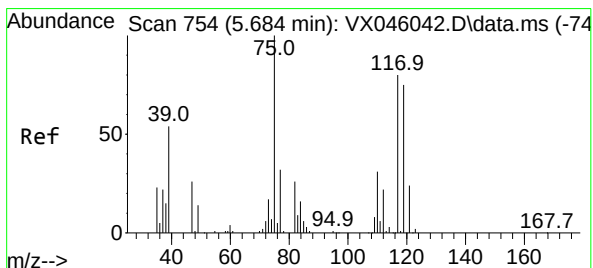
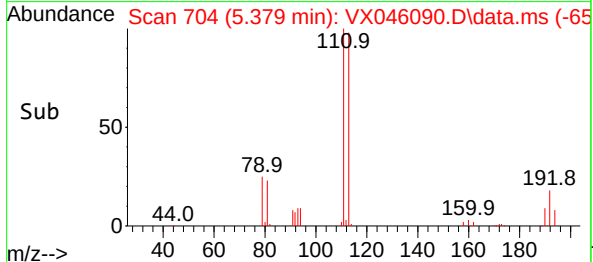
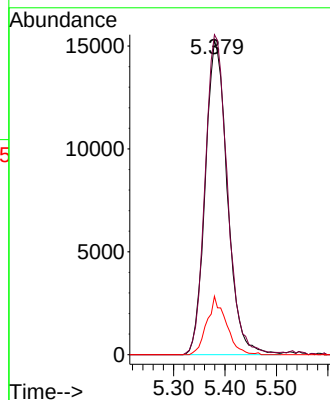
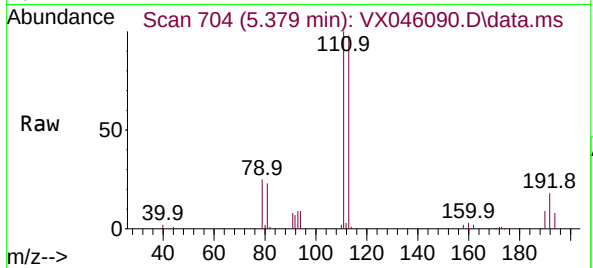




#35
Dibromofluoromethane
Concen: 51.295 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

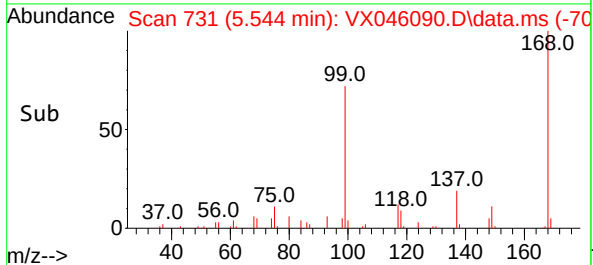
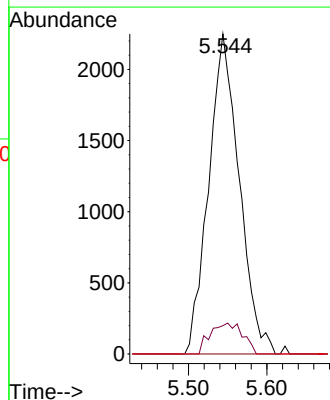
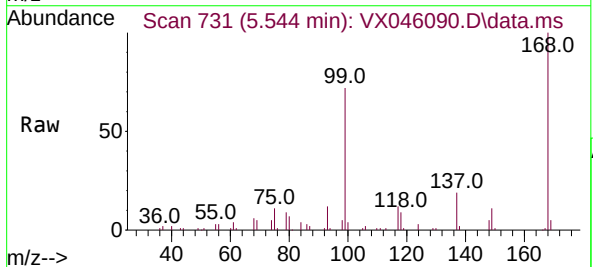
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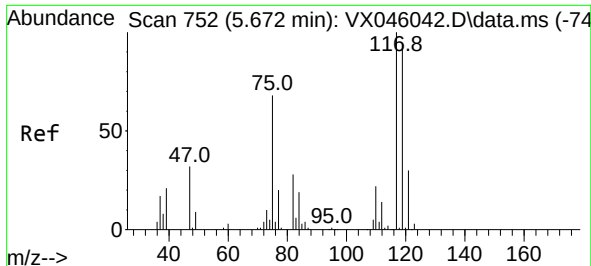
Tgt Ion:113 Resp: 45627
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

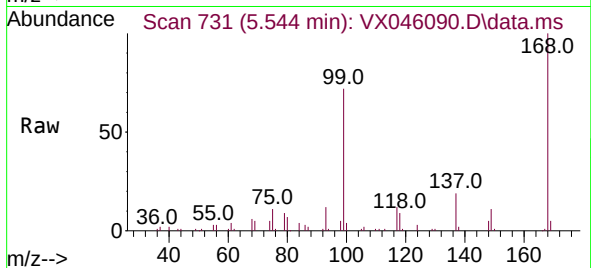
Tgt Ion: 75 Resp: 6090
Ion Ratio Lower Upper
75 100
110 10.3 16.3 48.9#
77 0.0 24.3 36.5#



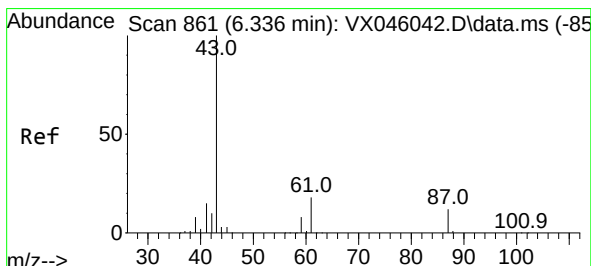
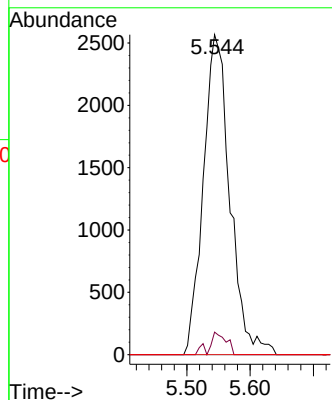
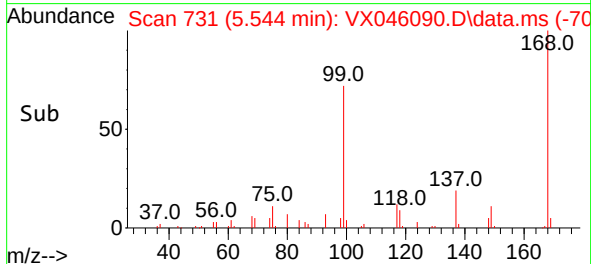


#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

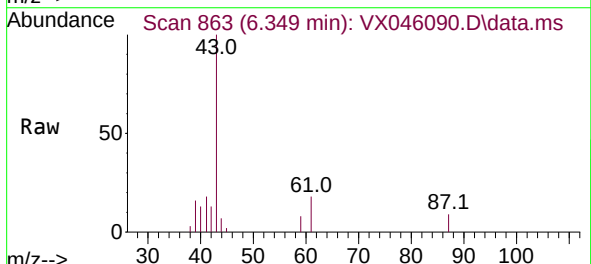
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC



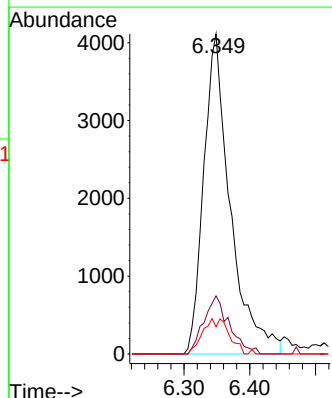
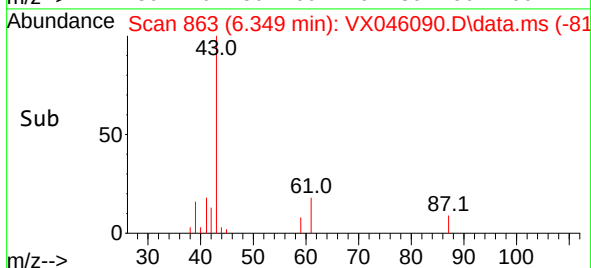
Tgt Ion:117 Resp: 7511
Ion Ratio Lower Upper
117 100
119 7.1 75.2 112.8#
121 0.0 24.2 36.4#

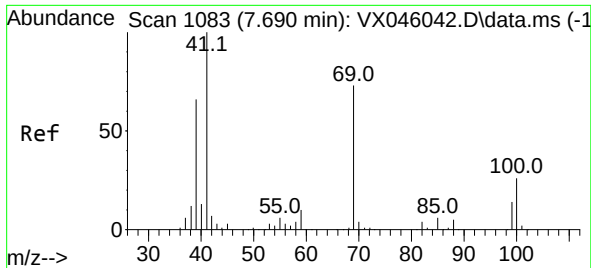


#43
Isopropyl Acetate
Concen: 5.132 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52



Tgt Ion: 43 Resp: 11561
Ion Ratio Lower Upper
43 100
61 17.5 14.3 21.5
87 10.9 9.5 14.3

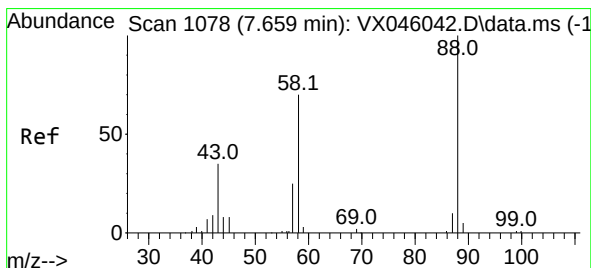
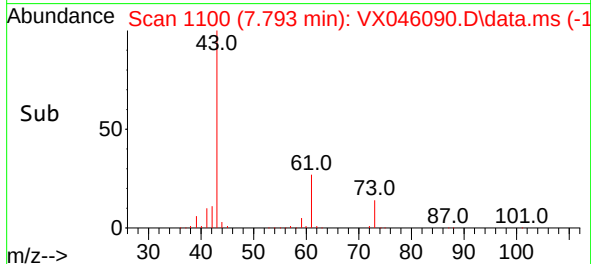
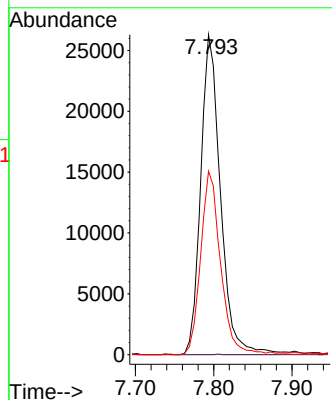
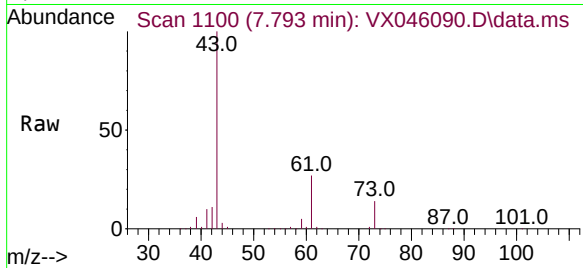




#48
Methyl methacrylate
Concen: 40.080 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

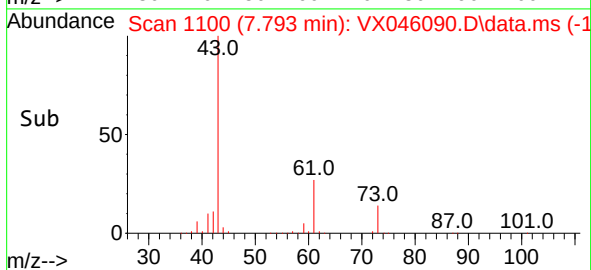
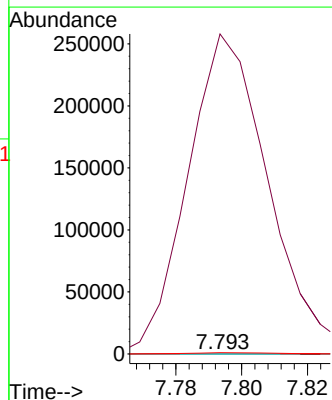
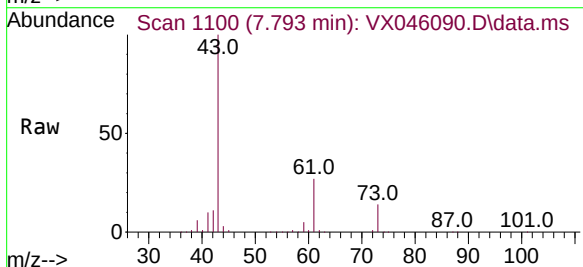
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC

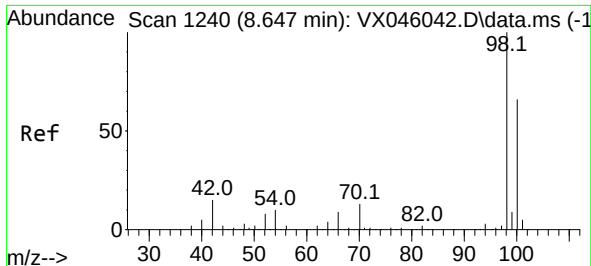
Tgt Ion: 41 Resp: 46109
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.9 51.7 77.5



#49
1,4-Dioxane
Concen: 2.060 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 1007740.0 33.4 50.2#
58 4224.4 58.6 88.0#

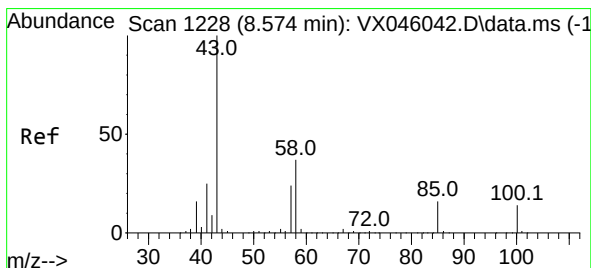
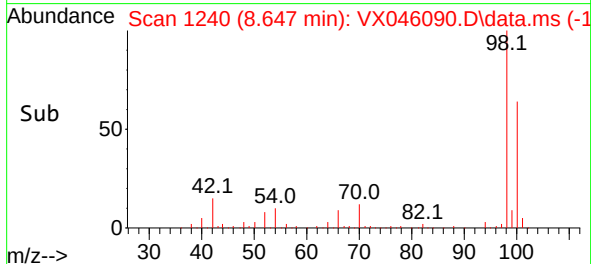
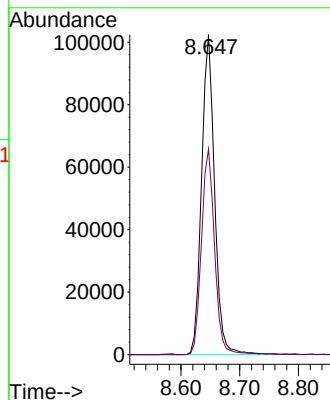
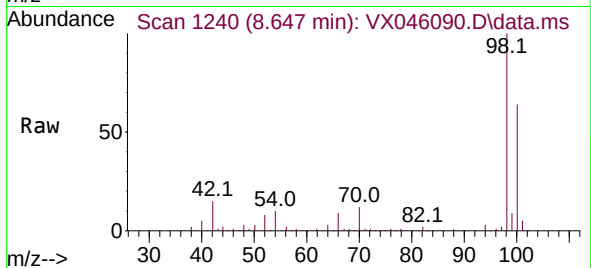




#50
Toluene-d8
Concen: 51.094 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

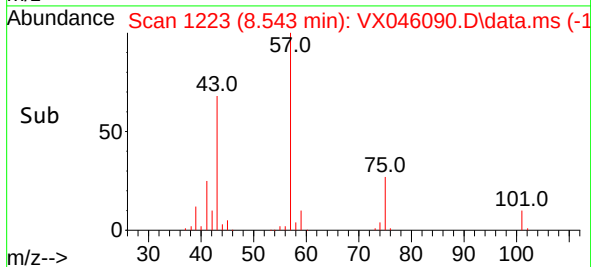
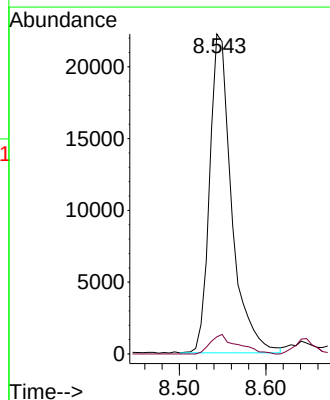
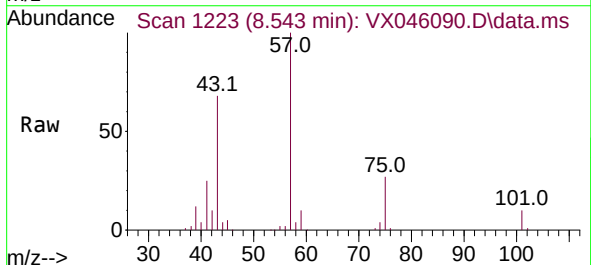
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC

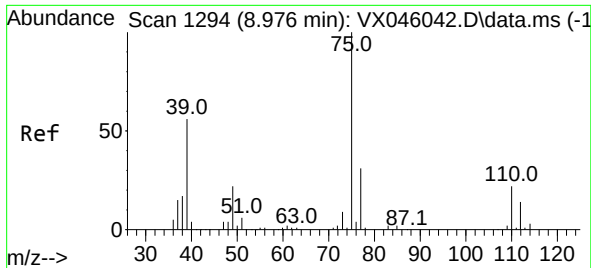
Tgt Ion: 98 Resp: 157303
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.219 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

Tgt Ion: 43 Resp: 39205
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

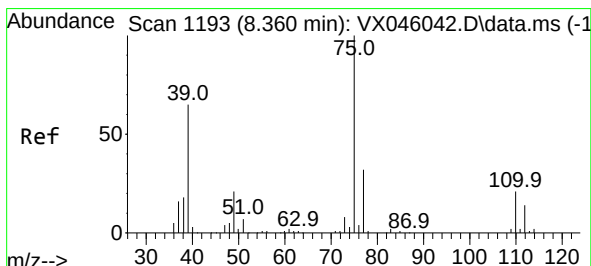
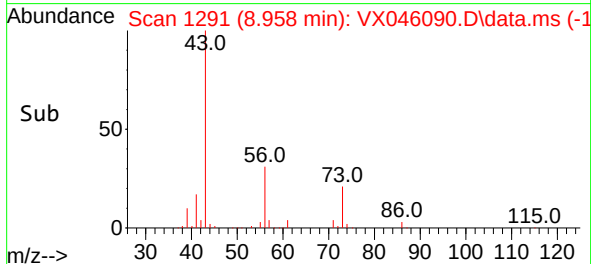
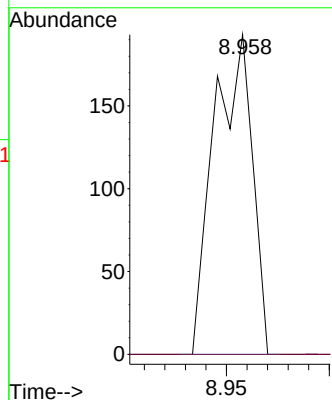
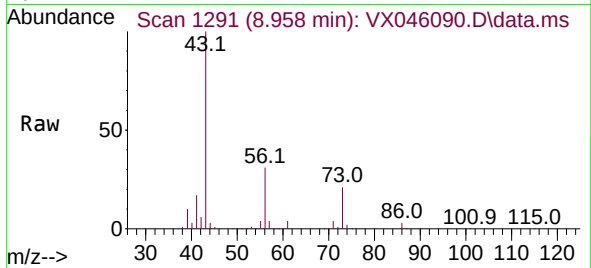




#53
 t-1,3-Dichloropropene
 Concen: 0.208 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX046090.D
 Acq: 08 May 2025 14:52

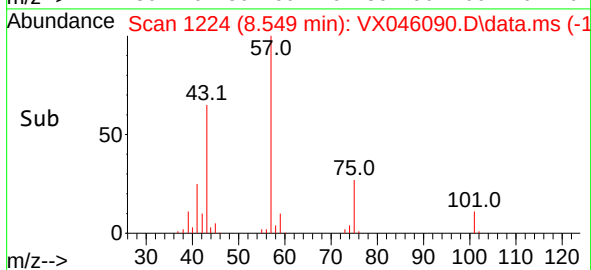
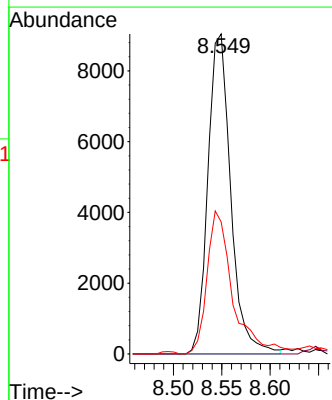
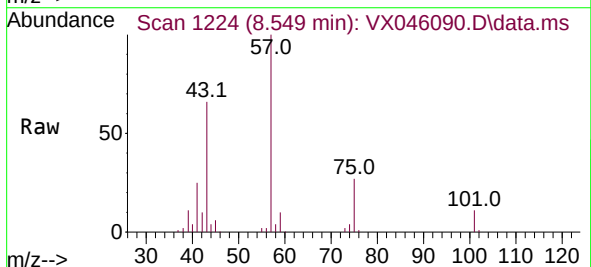
Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC

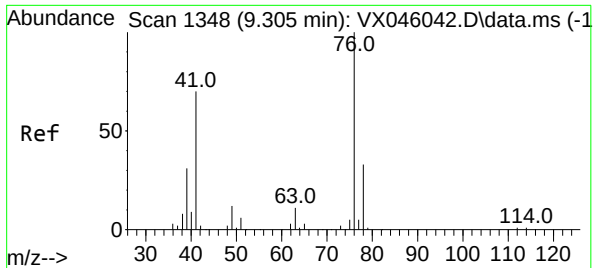
Tgt Ion: 75 Resp: 250
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 11.190 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX046090.D
 Acq: 08 May 2025 14:52

Tgt Ion: 75 Resp: 14865
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.2 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.962 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046090.D

Acq: 08 May 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

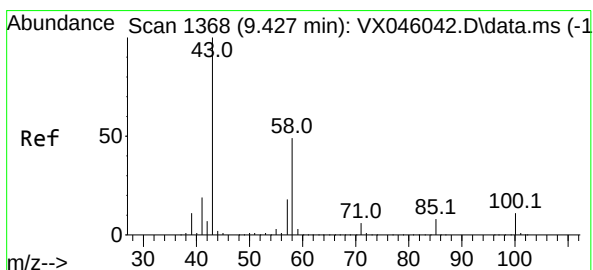
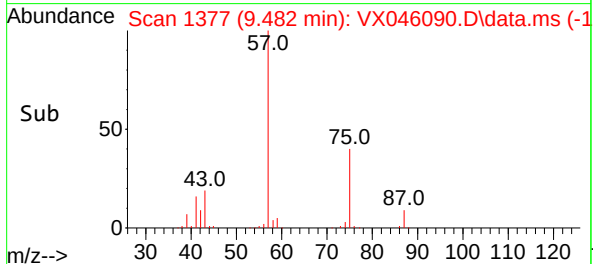
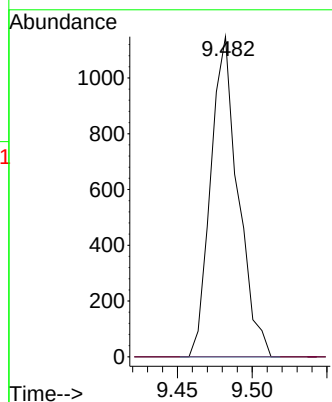
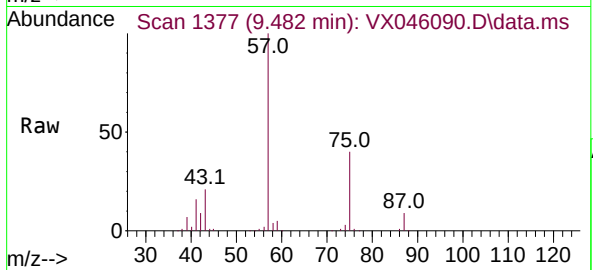
SUB-WC

Tgt Ion: 76 Resp: 1463

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 21.115 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046090.D

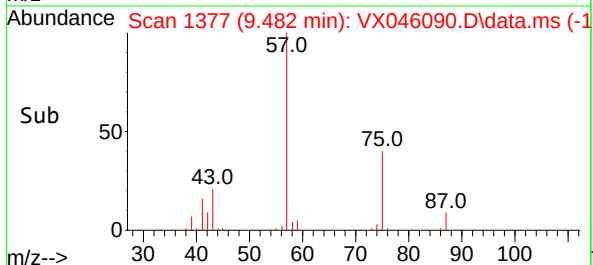
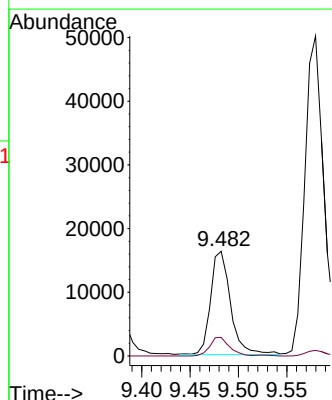
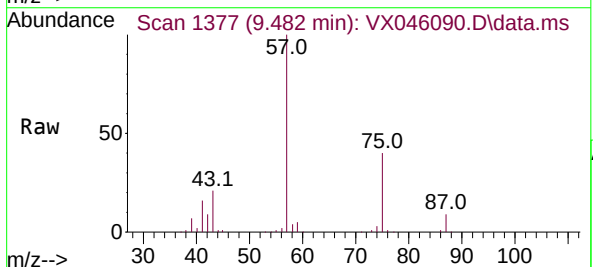
Acq: 08 May 2025 14:52

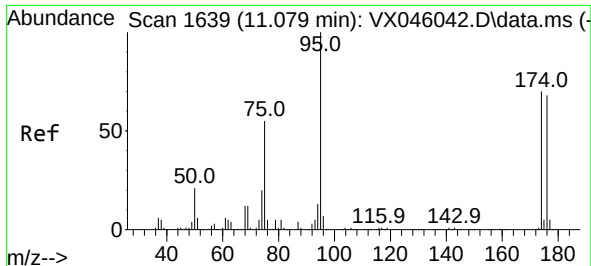
Tgt Ion: 43 Resp: 23358

Ion Ratio Lower Upper

43 100

58 18.4 24.9 74.6#

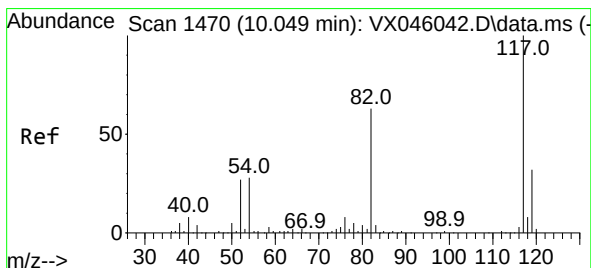
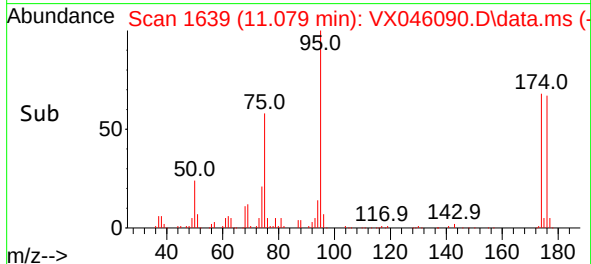
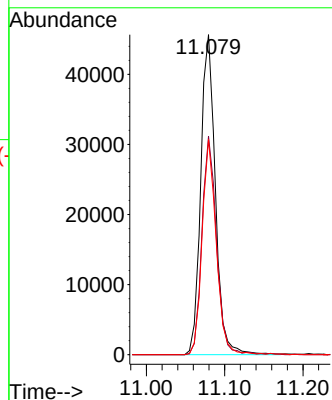
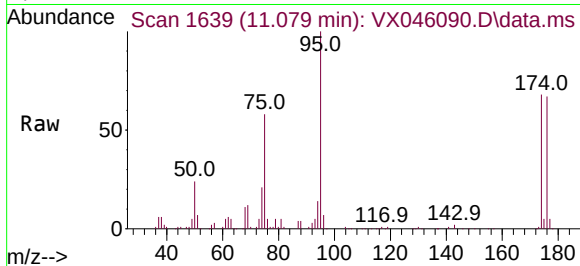




#62
4-Bromofluorobenzene
Concen: 50.279 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

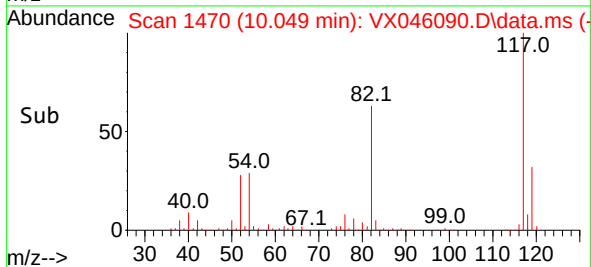
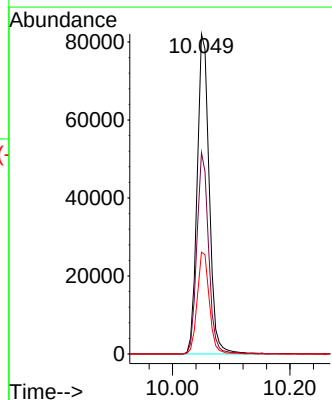
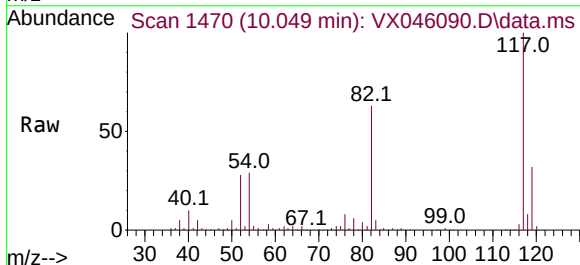
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC

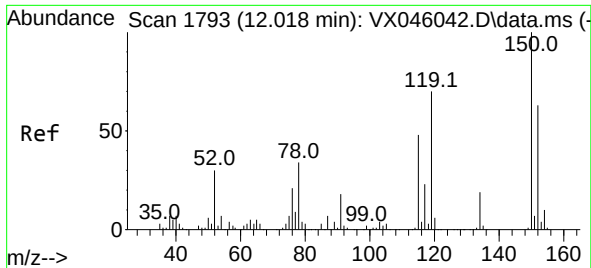
Tgt Ion: 95 Resp: 59377
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 65.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046090.D
Acq: 08 May 2025 14:52

Tgt Ion: 117 Resp: 116982
Ion Ratio Lower Upper
117 100
82 63.0 50.6 76.0
119 31.8 25.8 38.6

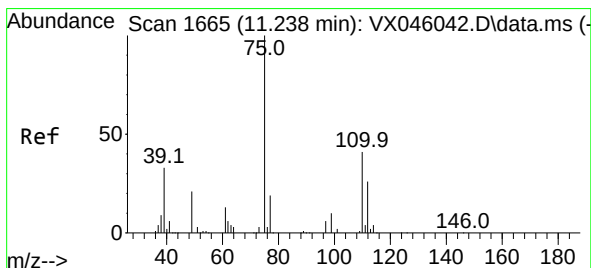
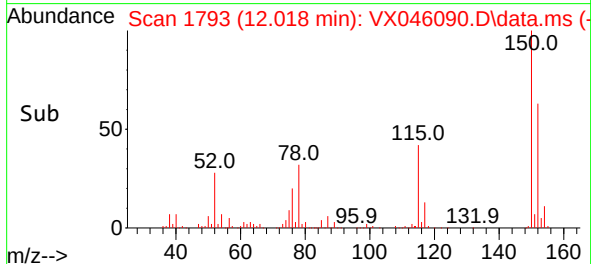
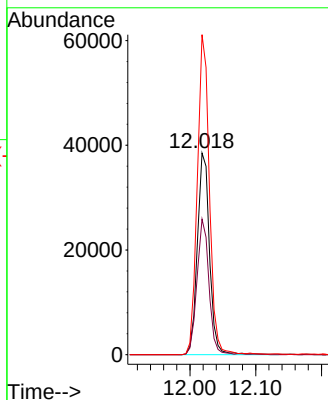
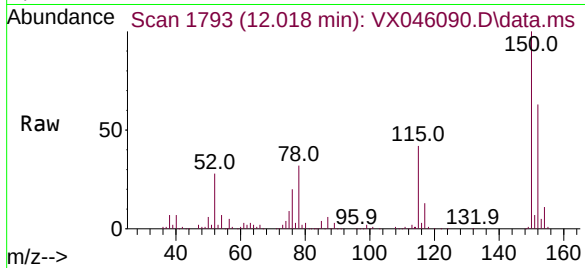




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046090.D
 Acq: 08 May 2025 14:52

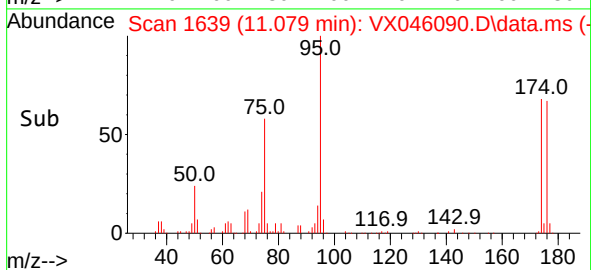
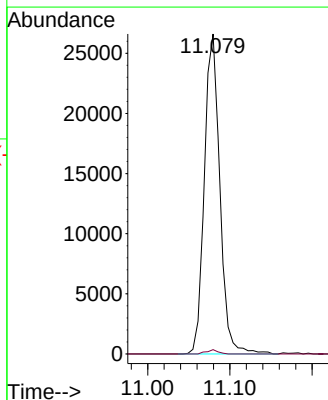
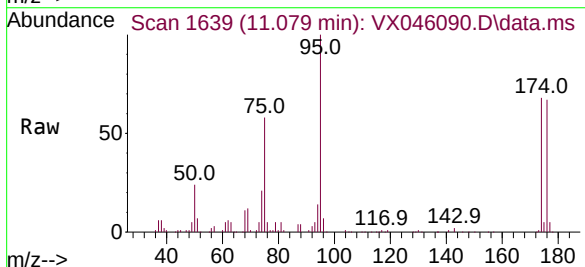
Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC

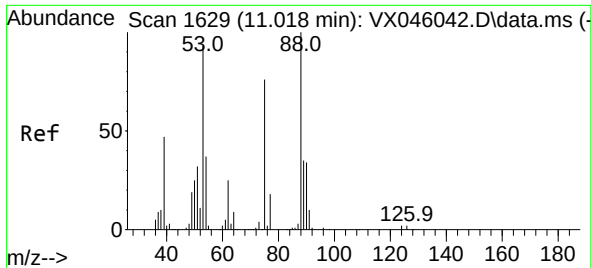
Tgt Ion:152 Resp: 49533
 Ion Ratio Lower Upper
 152 100
 115 66.1 46.9 140.7
 150 156.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.238 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046090.D
 Acq: 08 May 2025 14:52

Tgt Ion: 75 Resp: 34860
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.190 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046090.D
 Acq: 08 May 2025 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC

Tgt Ion: 75 Resp: 34860
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

