

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046094.D
 Acq On : 08 May 2025 16:26
 Operator : JC/MD
 Sample : Q1972-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC-2

Quant Time: May 09 01:58:22 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)

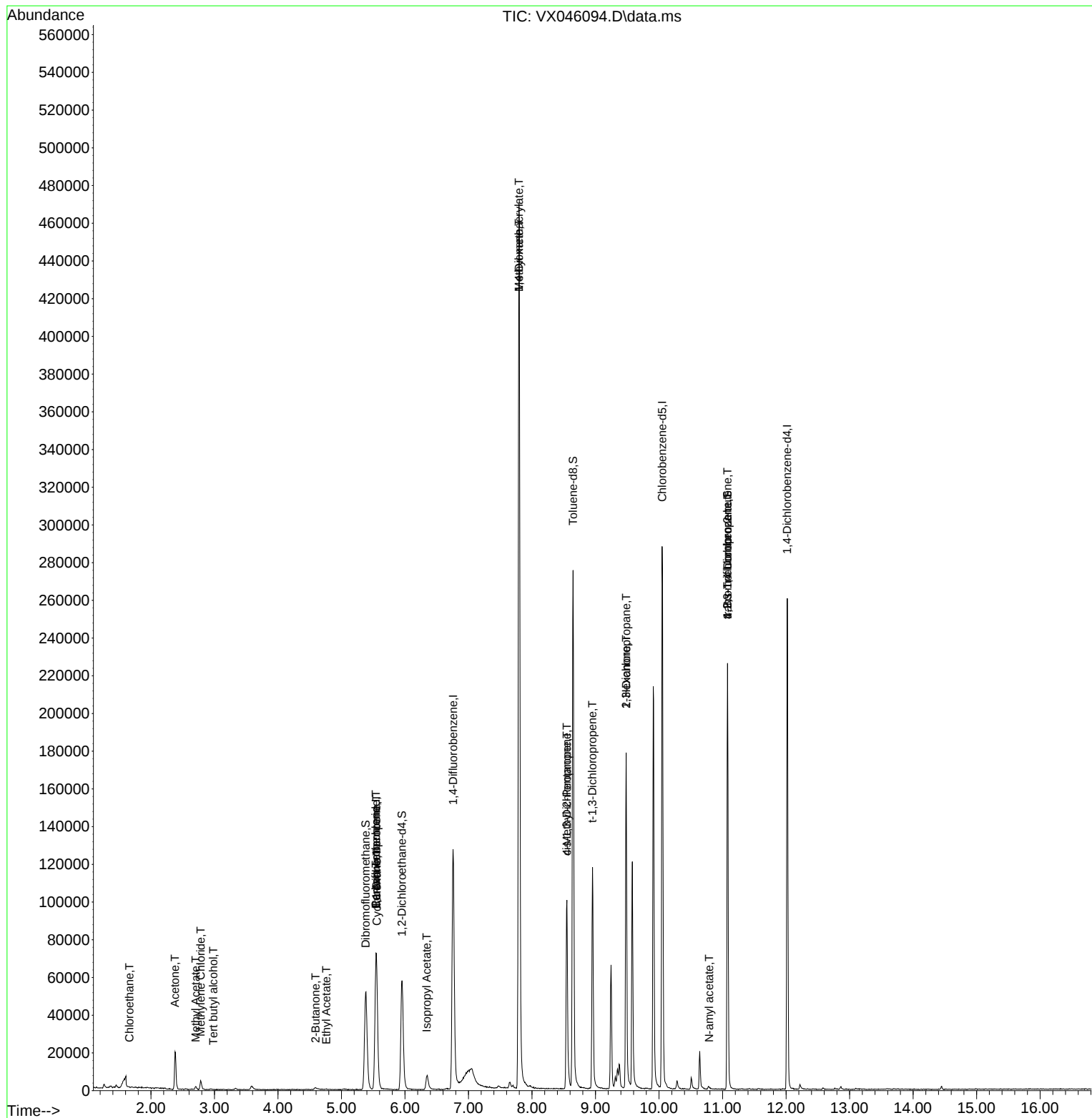
Internal Standards						
1) Pentafluorobenzene	5.544	168	61992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61340	53.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.140%	
35) Dibromofluoromethane	5.379	113	44540	50.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.900%	
50) Toluene-d8	8.647	98	156852	51.838	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	11.079	95	59463	51.232	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.460%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	179	0.392	ug/l #	44
11) Tert butyl alcohol	2.983	59	45	0.277	ug/l #	72
16) Acetone	2.380	43	21880	47.217	ug/l	99
18) Methyl Acetate	2.703	43	2214	2.059	ug/l	93
20) Methylene Chloride	2.782	84	2244	2.527	ug/l	86
25) 2-Butanone	4.593	43	2384	3.544	ug/l	92
31) Cyclohexane	5.556	56	1800	1.307	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	6479	5.516	ug/l #	50
37) Ethyl Acetate	4.763	43	402	0.277	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7379	5.591	ug/l #	14
43) Isopropyl Acetate	6.342	43	12006	5.423	ug/l	96
48) Methyl methacrylate	7.793	41	46631	41.242	ug/l #	51
49) 1,4-Dioxane	7.793	88	24	1.118	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	40914	27.841	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	238	0.201	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15973	12.234	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1550	1.038	ug/l #	42
59) 2-Hexanone	9.482	43	23826	21.914	ug/l #	54
74) N-amyl acetate	10.787	43	1168	0.638	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	34314	29.942	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34314	97.481	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

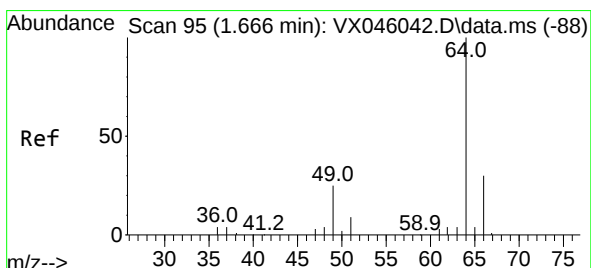
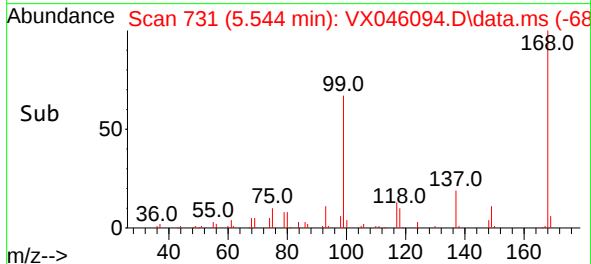
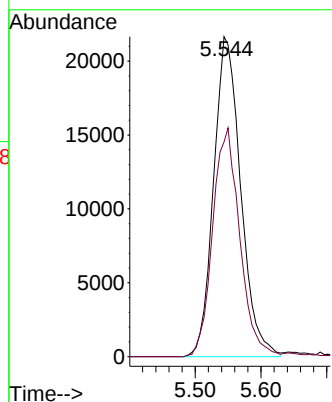
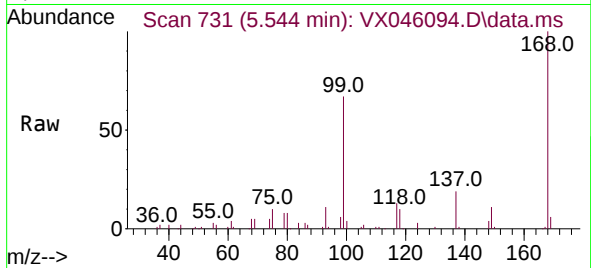




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

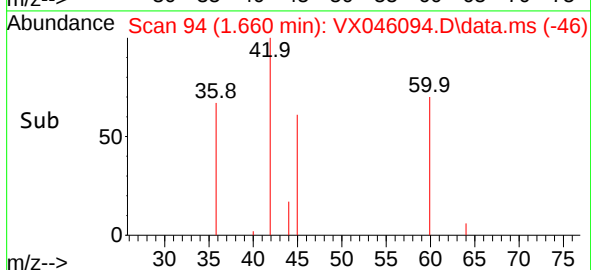
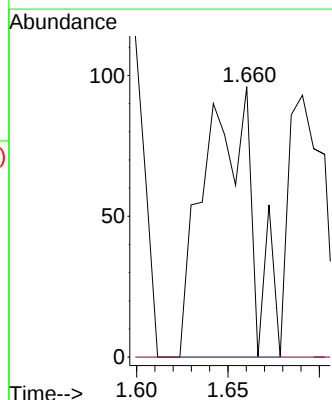
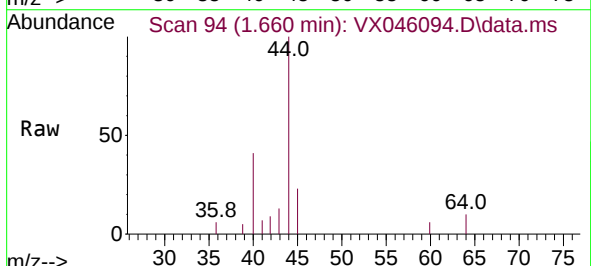
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

Tgt Ion:168 Resp: 61992
Ion Ratio Lower Upper
168 100
99 67.1 54.9 82.3



#6
Chloroethane
Concen: 0.392 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5

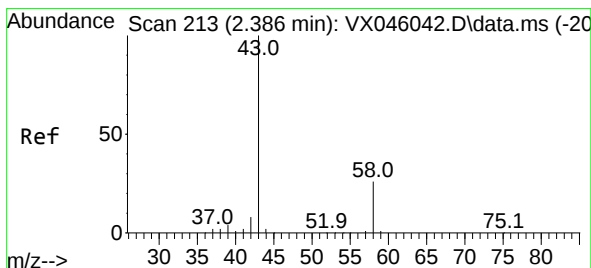
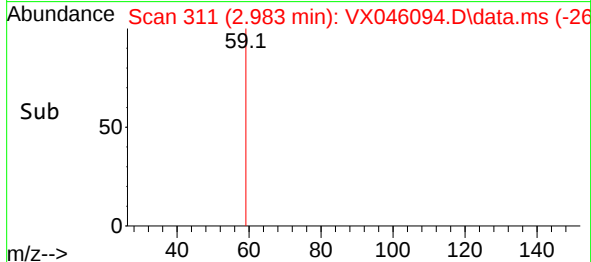
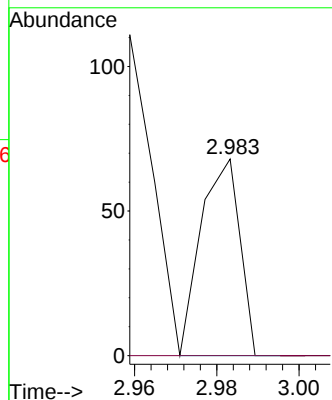
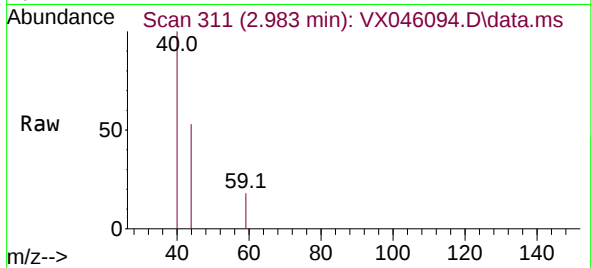




#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

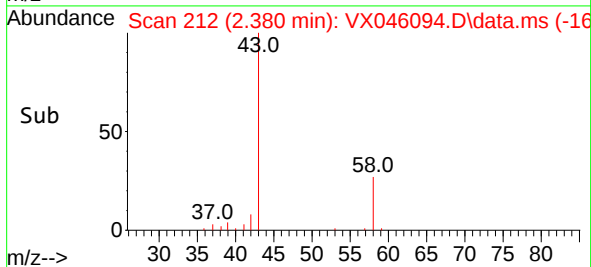
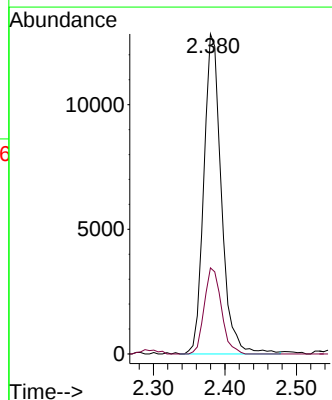
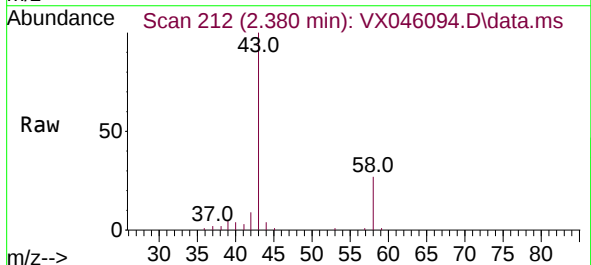
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

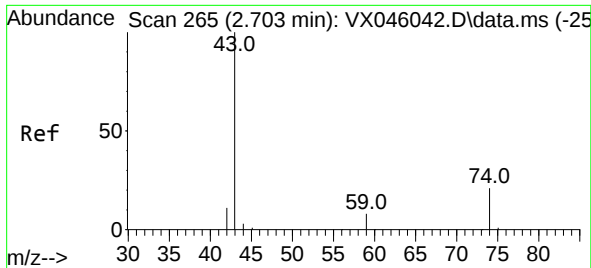
Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 47.217 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 43 Resp: 21880
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8





#18

Methyl Acetate

Concen: 2.059 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

Instrument :

MSVOA_X

ClientSampleId :

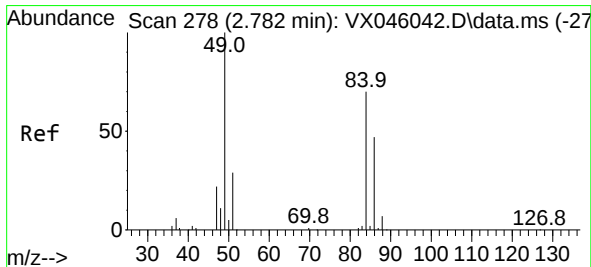
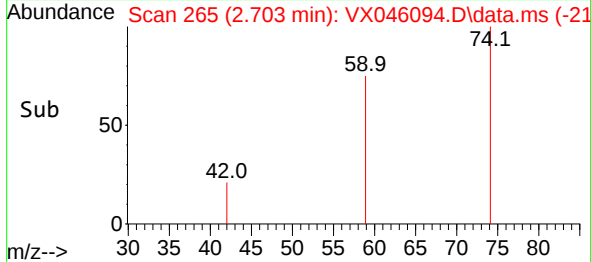
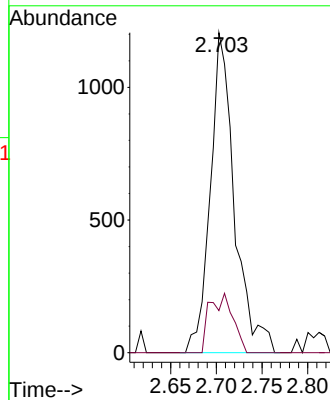
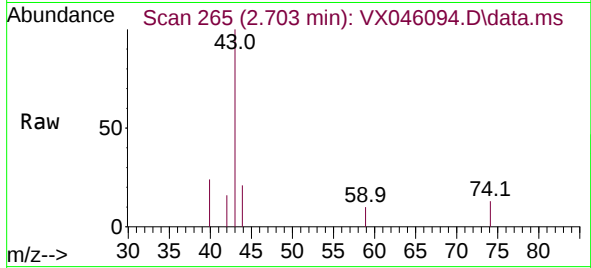
SUB-WC-2

Tgt Ion: 43 Resp: 2214

Ion Ratio Lower Upper

43 100

74 17.8 16.7 25.1



#20

Methylene Chloride

Concen: 2.527 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

Tgt Ion: 84 Resp: 2244

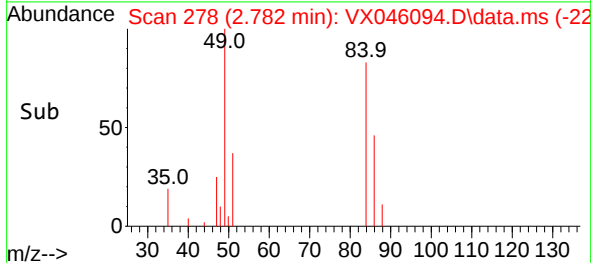
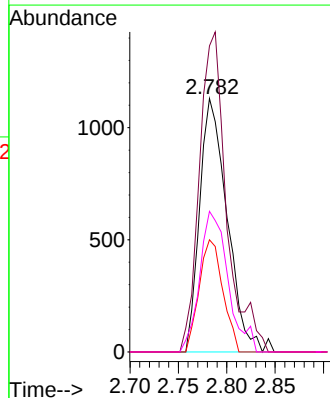
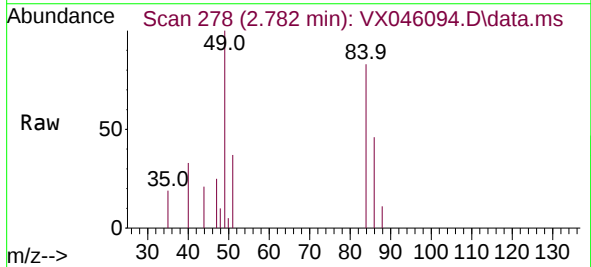
Ion Ratio Lower Upper

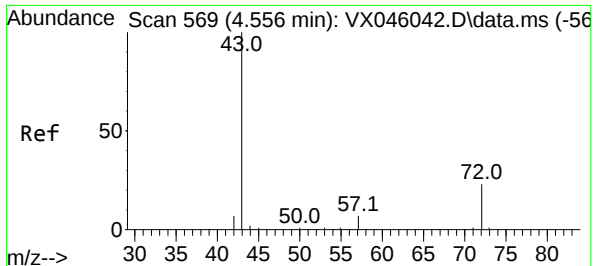
84 100

49 120.8 113.9 170.9

51 44.2 33.5 50.3

86 55.5 53.8 80.8





#25

2-Butanone

Concen: 3.544 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

Instrument :

MSVOA_X

ClientSampleId :

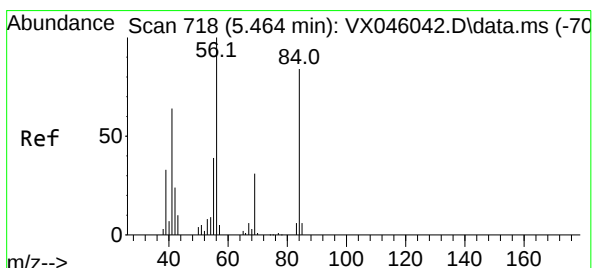
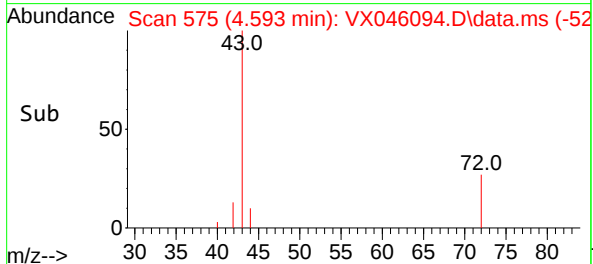
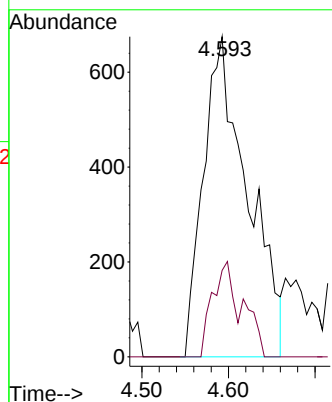
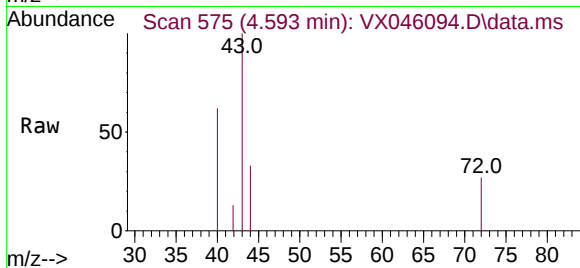
SUB-WC-2

Tgt Ion: 43 Resp: 2384

Ion Ratio Lower Upper

43 100

72 27.0 18.4 27.6



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

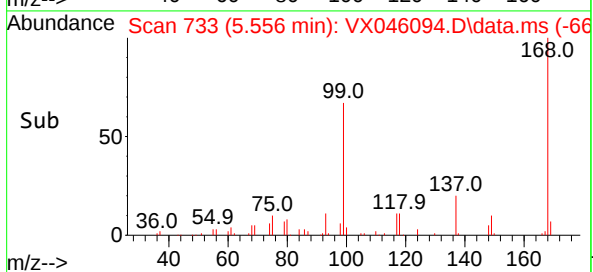
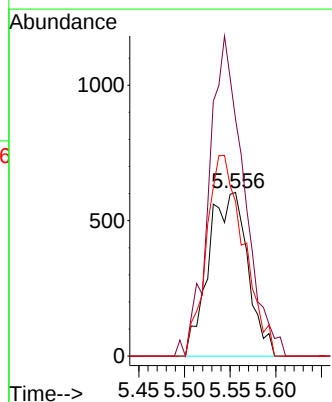
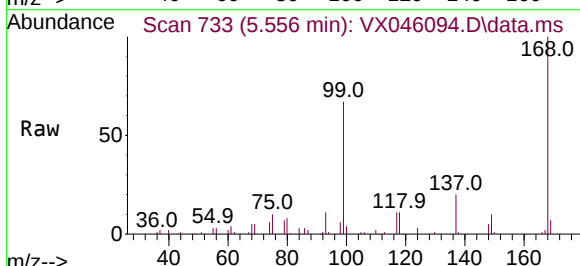
Tgt Ion: 56 Resp: 1800

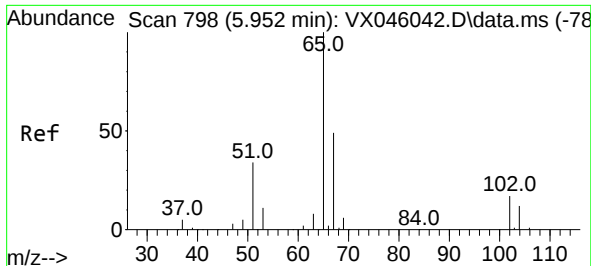
Ion Ratio Lower Upper

56 100

69 134.9 24.4 36.6#

84 94.5 66.9 100.3

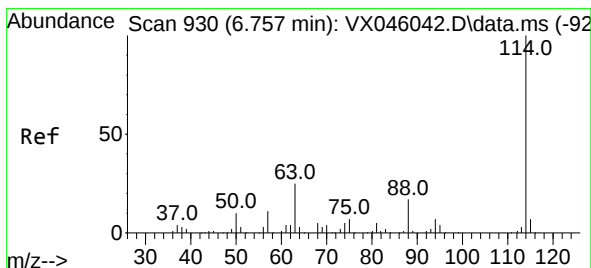
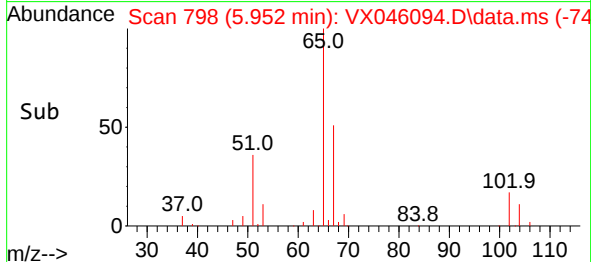
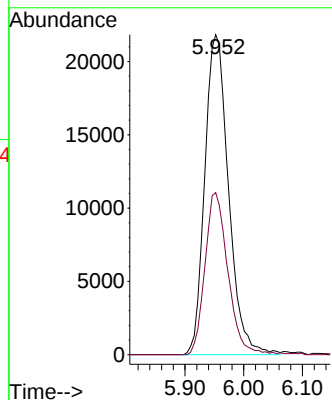
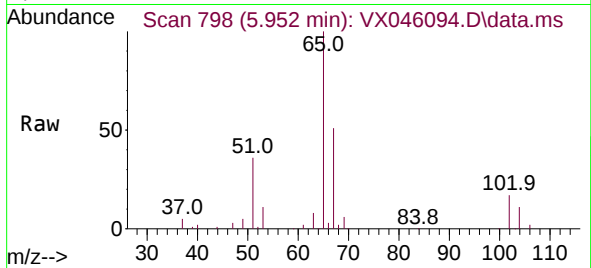




#33
 1,2-Dichloroethane-d4
 Concen: 53.075 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046094.D
 Acq: 08 May 2025 16:26

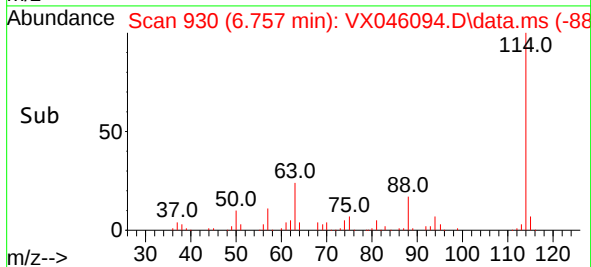
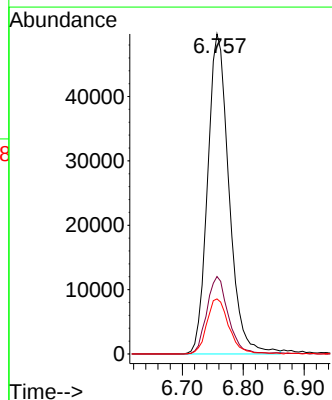
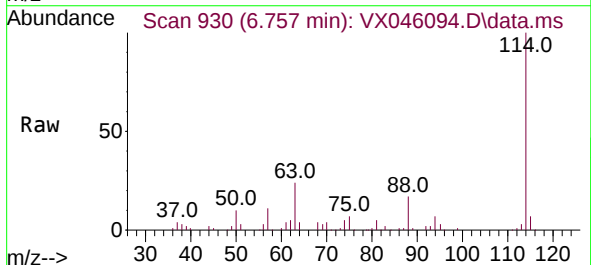
Instrument :
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 SUB-WC-2

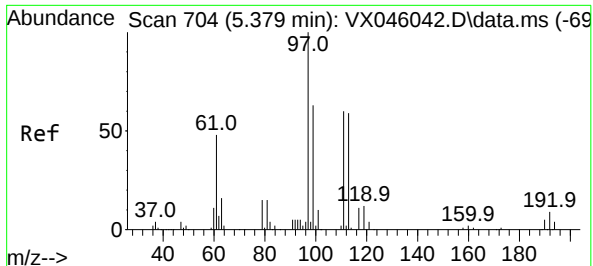
Tgt Ion: 65 Resp: 61340
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046094.D
 Acq: 08 May 2025 16:26

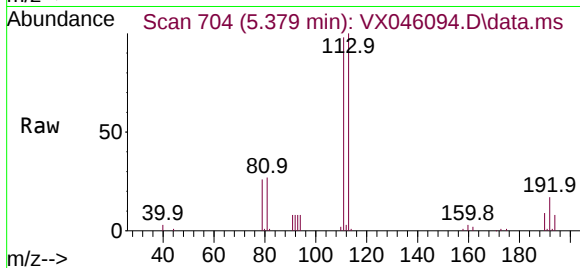
Tgt Ion: 114 Resp: 121402
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.2 0.0 33.6



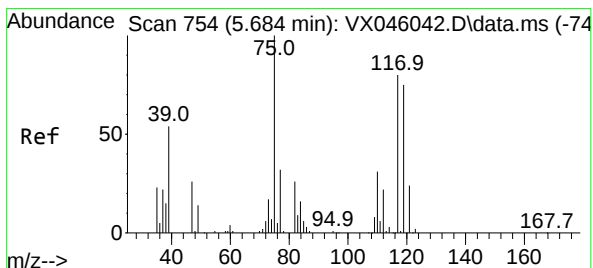
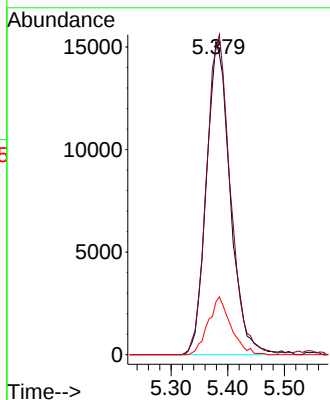
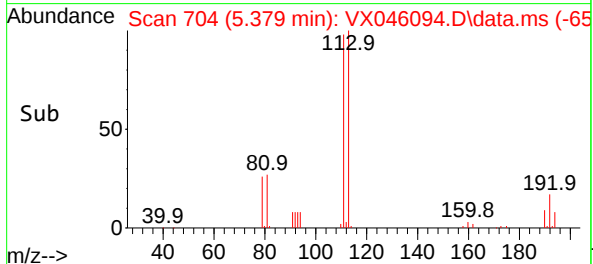


#35
Dibromofluoromethane
Concen: 50.948 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

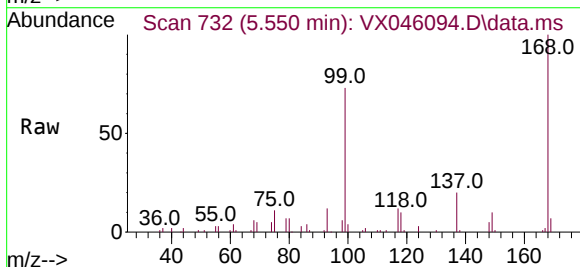
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MSVOA_X
ClientSampleId :
SUB-WC-2



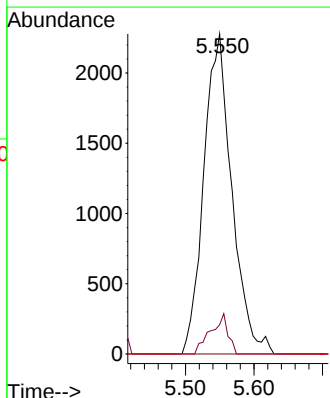
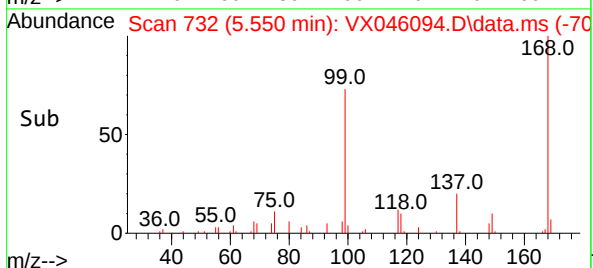
Tgt Ion:113 Resp: 44540
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.5 13.3 19.9

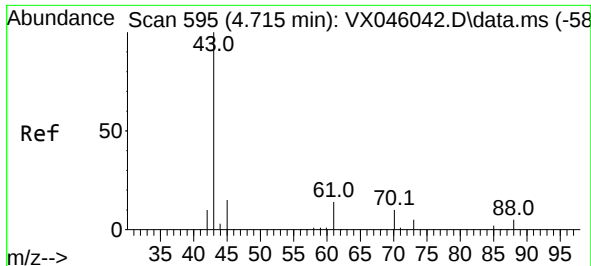


#36
1,1-Dichloropropene
Concen: 5.516 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26



Tgt Ion: 75 Resp: 6479
Ion Ratio Lower Upper
75 100
110 7.7 16.3 48.9#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.277 ug/l

RT: 4.763 min Scan# 603

Delta R.T. 0.049 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

Instrument :

MSVOA_X

ClientSampleId :

SUB-WC-2

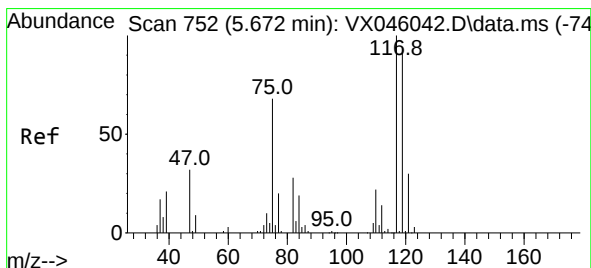
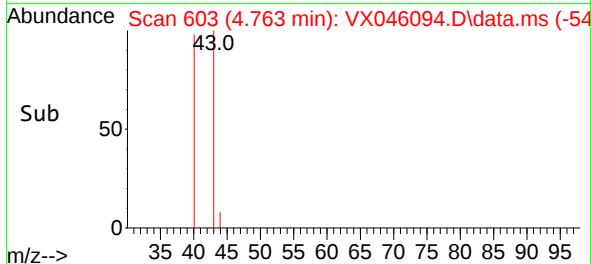
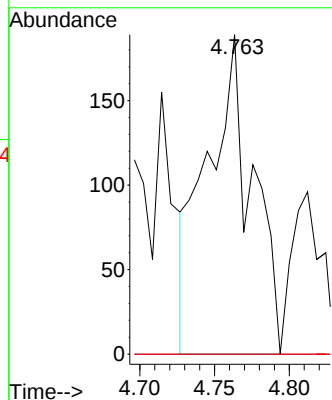
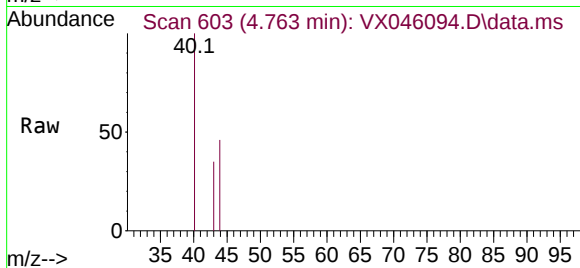
Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

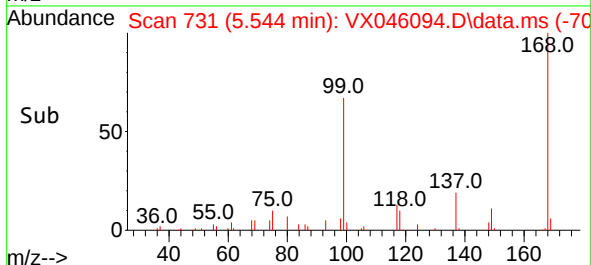
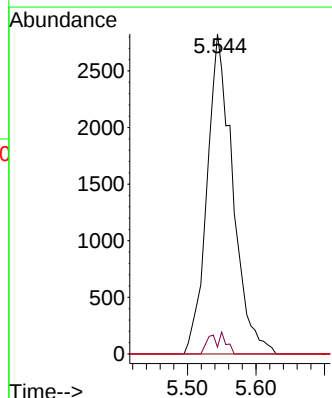
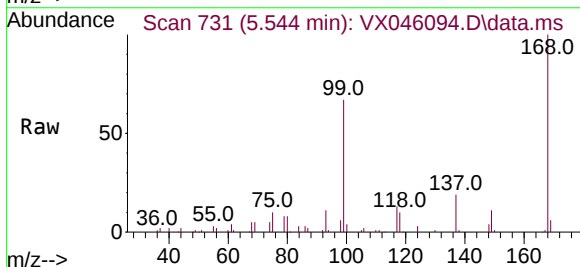
Tgt Ion: 117 Resp: 7379

Ion Ratio Lower Upper

117 100

119 2.1 75.2 112.8#

121 0.0 24.2 36.4#

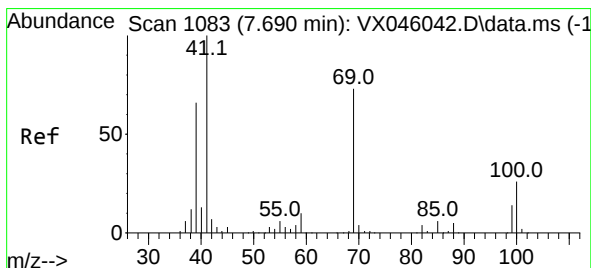
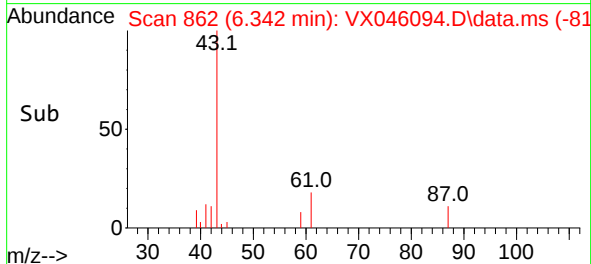
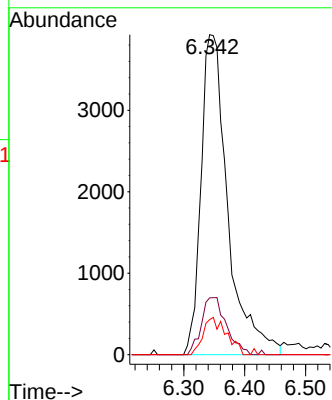
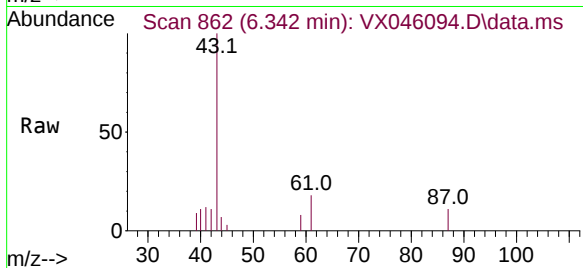




#43
Isopropyl Acetate
Concen: 5.423 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

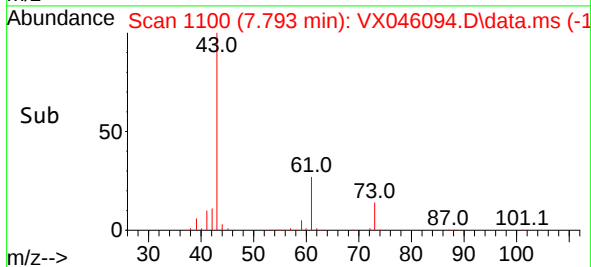
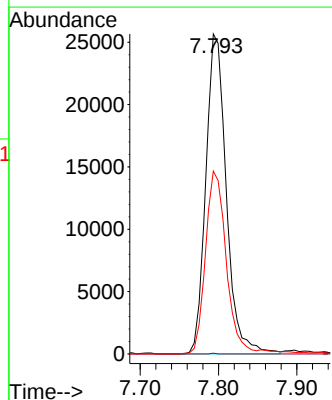
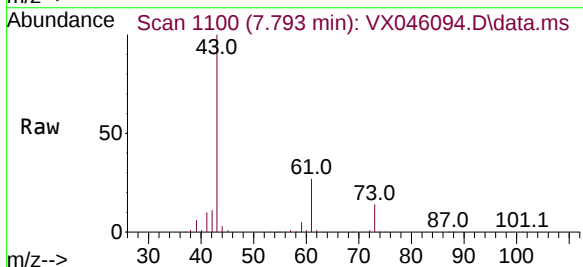
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

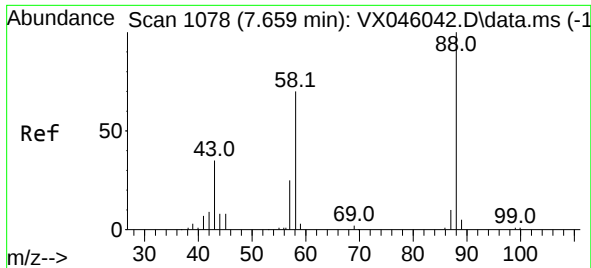
Tgt Ion: 43 Resp: 12006
Ion Ratio Lower Upper
43 100
61 16.6 14.3 21.5
87 10.0 9.5 14.3



#48
Methyl methacrylate
Concen: 41.242 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 41 Resp: 46631
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 59.0 51.7 77.5

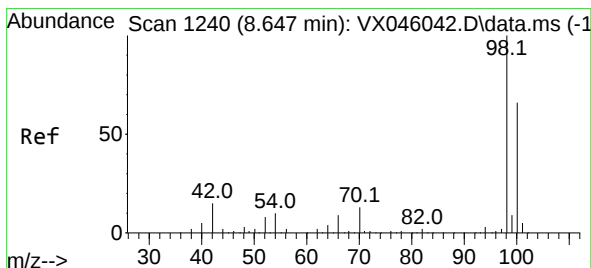
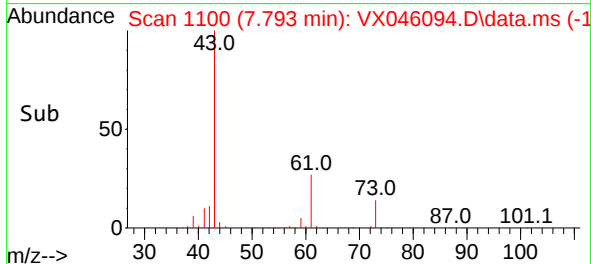
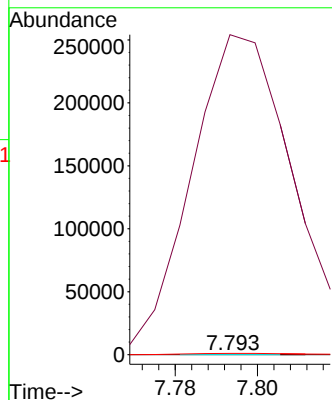
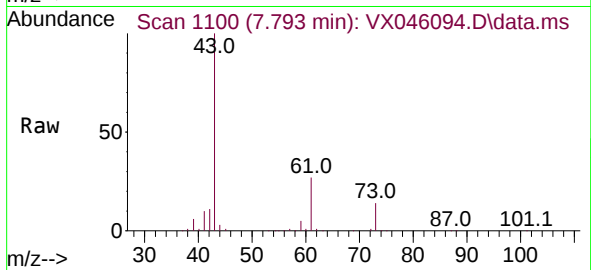




#49
1,4-Dioxane
Concen: 1.118 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

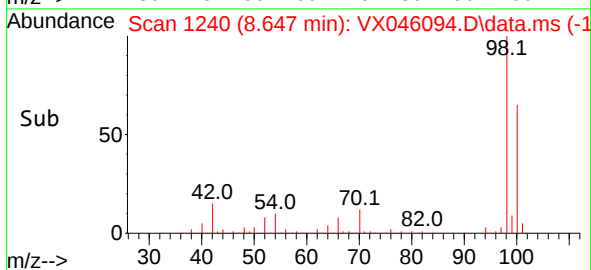
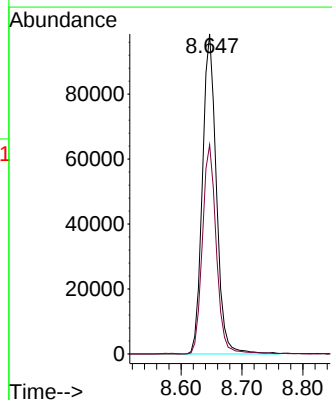
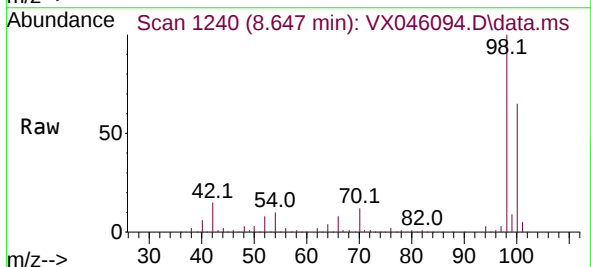
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

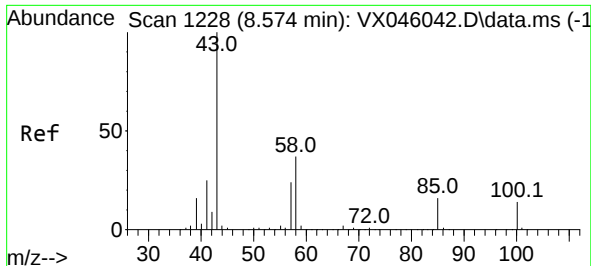
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 1913658.3 33.4 50.2#
58 8483.3 58.6 88.0#



#50
Toluene-d8
Concen: 51.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 98 Resp: 156852
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3

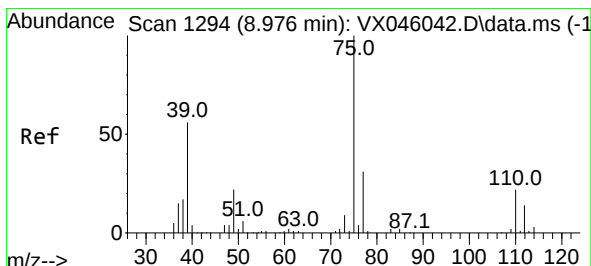
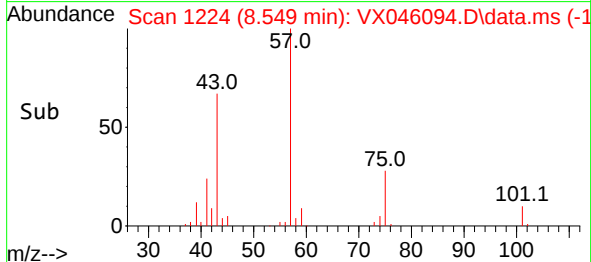
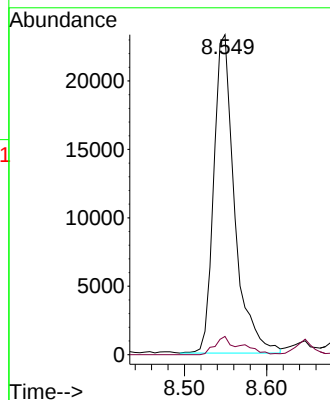
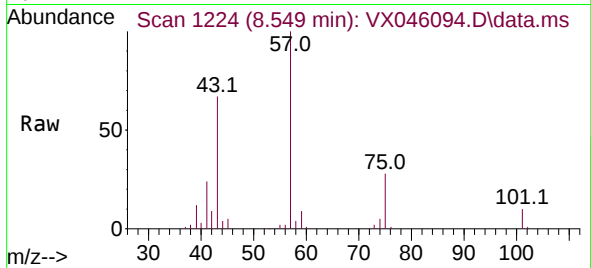




#51
4-Methyl-2-Pentanone
Concen: 27.841 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

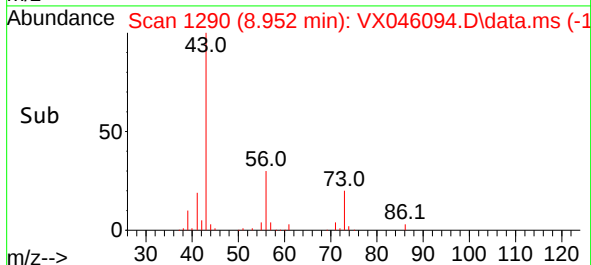
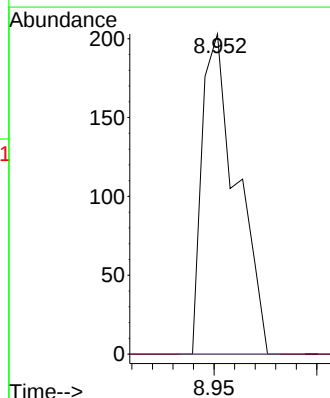
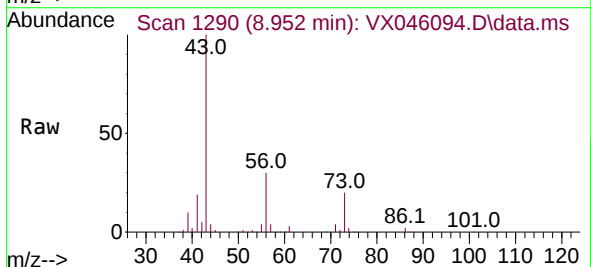
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

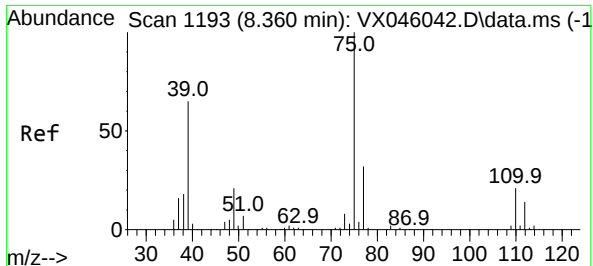
Tgt Ion: 43 Resp: 40914
Ion Ratio Lower Upper
43 100
58 4.4 28.9 43.3#



#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 75 Resp: 238
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

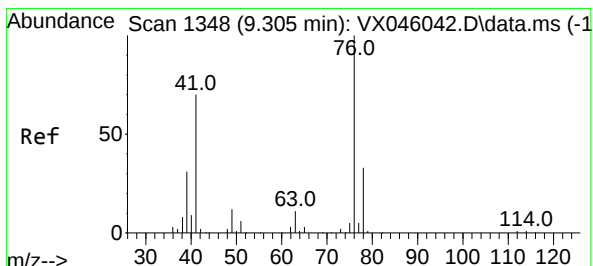
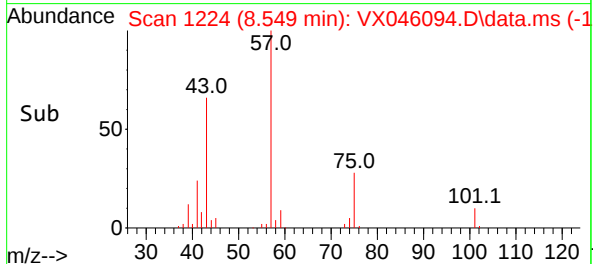
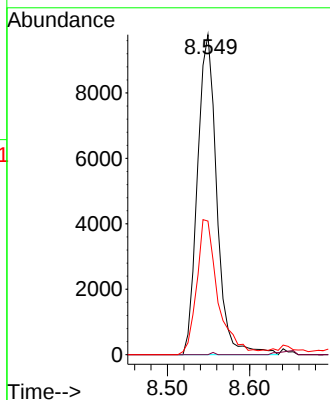
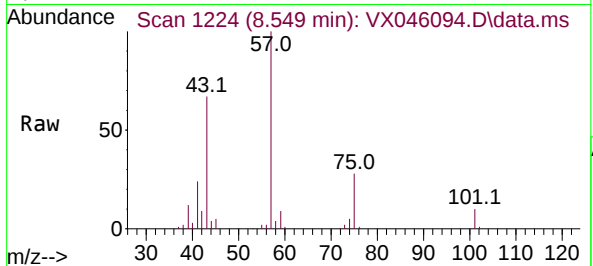




#54
 cis-1,3-Dichloropropene
 Concen: 12.234 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046094.D
 Acq: 08 May 2025 16:26

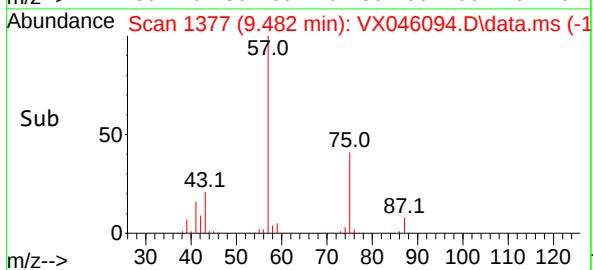
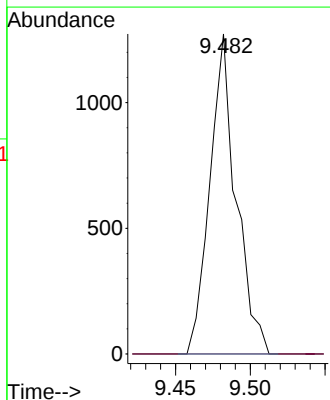
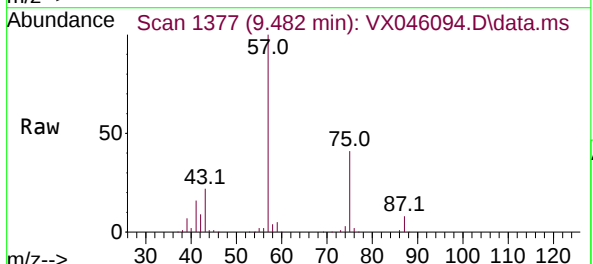
Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC-2

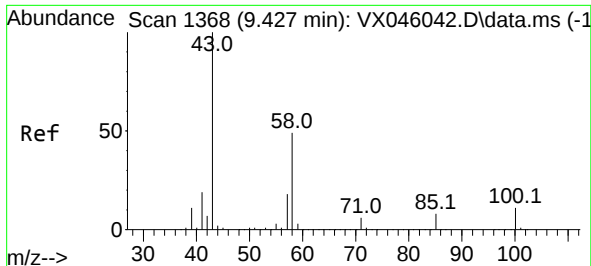
Tgt Ion: 75 Resp: 15973
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 1.038 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046094.D
 Acq: 08 May 2025 16:26

Tgt Ion: 76 Resp: 1550
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#





#59

2-Hexanone

Concen: 21.914 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

Instrument :

MSVOA_X

ClientSampleId :

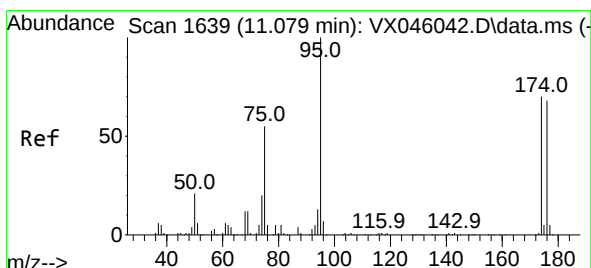
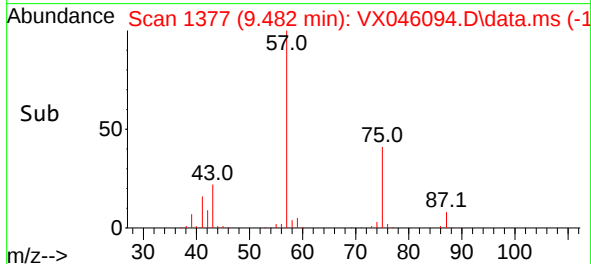
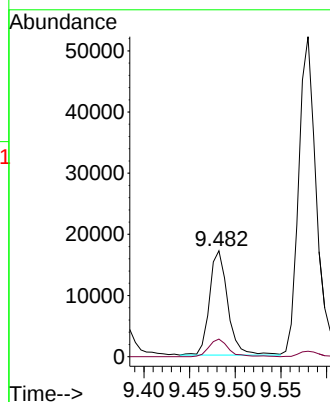
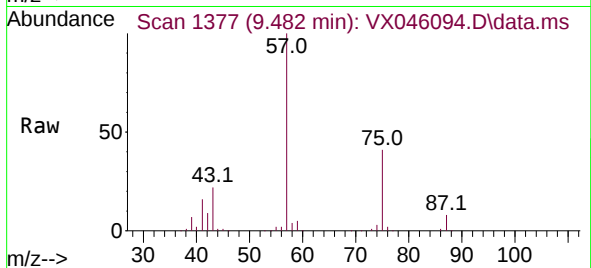
SUB-WC-2

Tgt Ion: 43 Resp: 23826

Ion Ratio Lower Upper

43 100

58 18.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 51.232 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046094.D

Acq: 08 May 2025 16:26

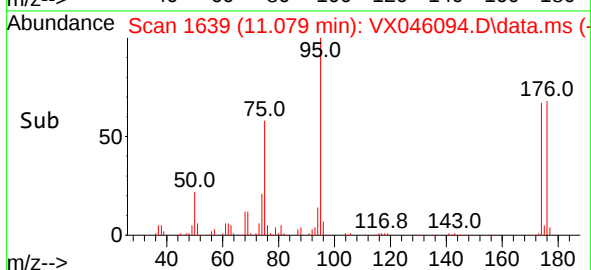
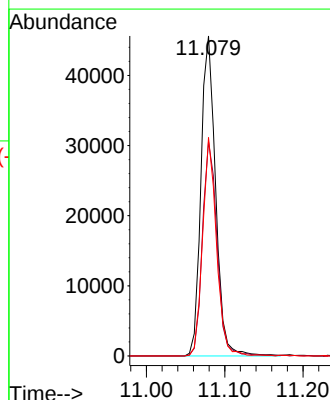
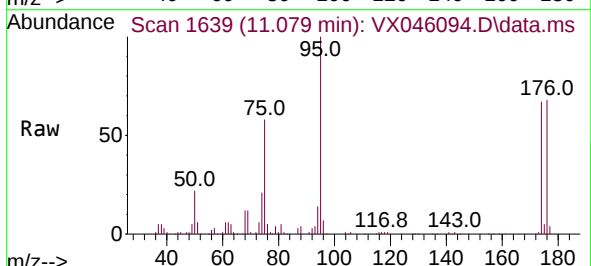
Tgt Ion: 95 Resp: 59463

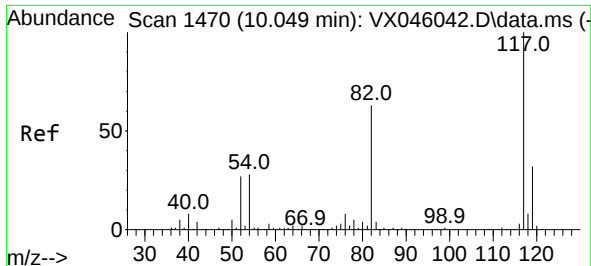
Ion Ratio Lower Upper

95 100

174 66.9 0.0 135.8

176 64.2 0.0 131.4

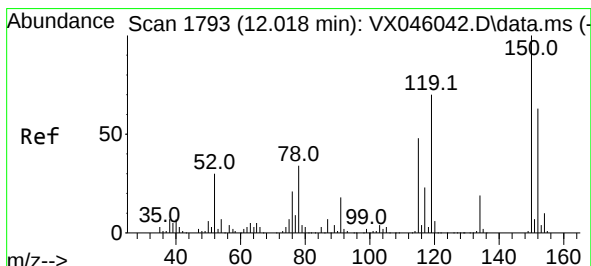
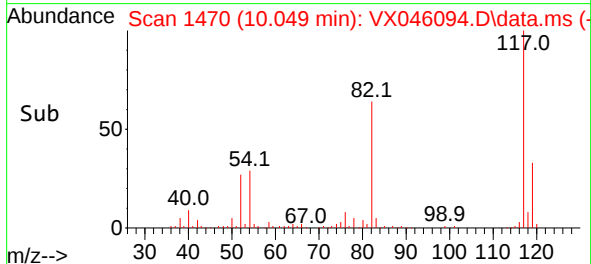
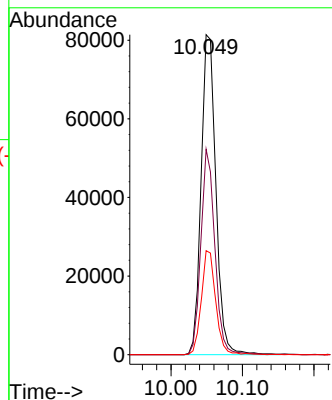
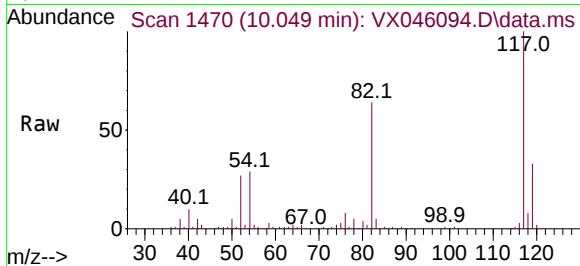




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

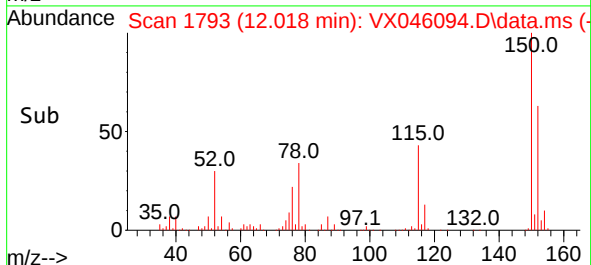
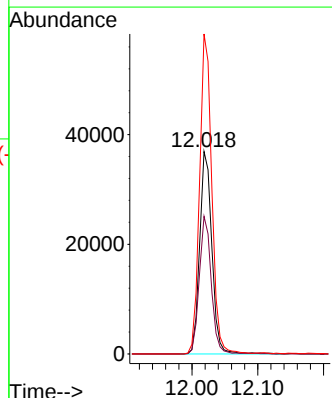
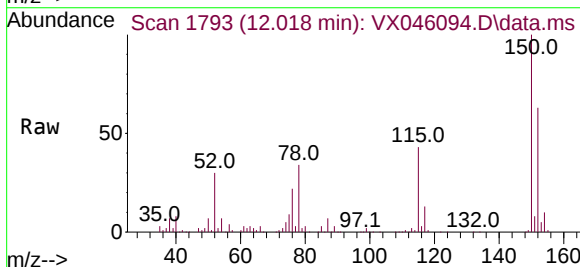
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

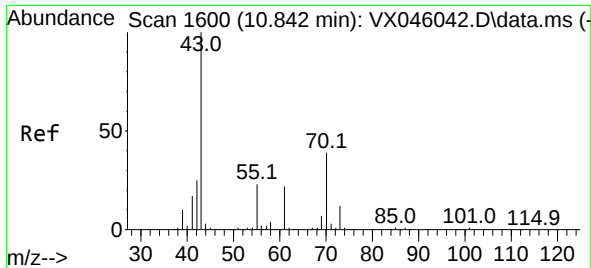
Tgt Ion:117 Resp: 116858
Ion Ratio Lower Upper
117 100
82 64.2 50.6 76.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion:152 Resp: 47611
Ion Ratio Lower Upper
152 100
115 67.2 46.9 140.7
150 157.7 0.0 351.0

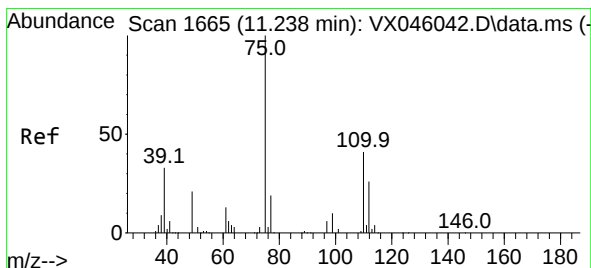
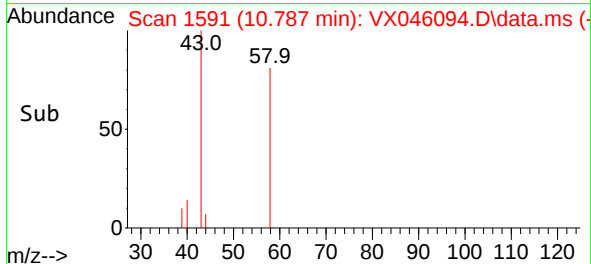
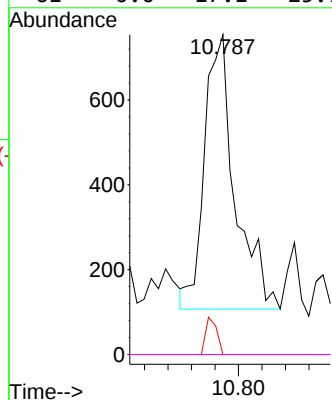
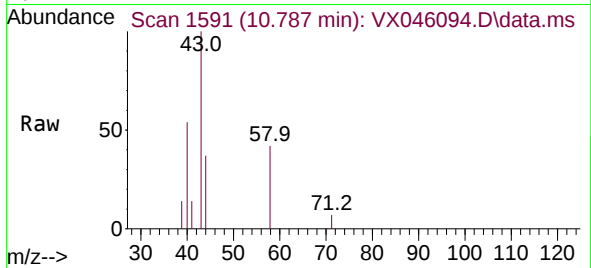




#74
N-ethyl acetate
Concen: 0.638 ug/l
RT: 10.787 min Scan# 1168
Delta R.T. -0.055 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

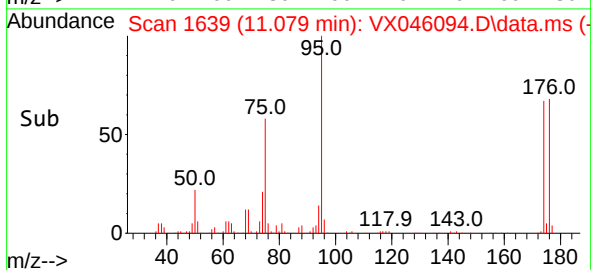
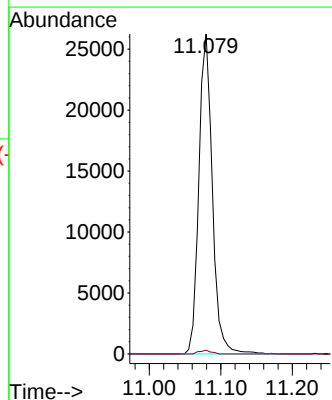
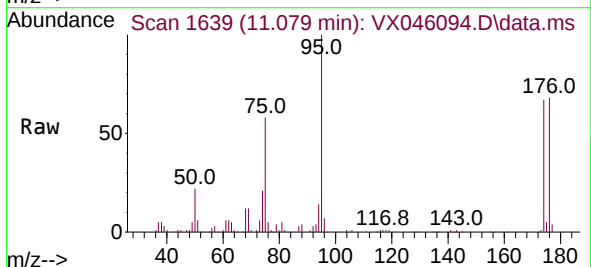
Instrument :
MSVOA_X
ClientSampleId :
SUB-WC-2

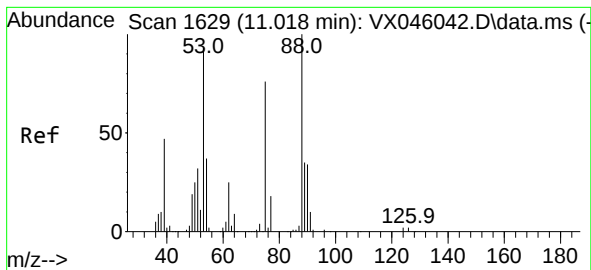
Tgt Ion: 43	Resp: 1168
Ion Ratio	Lower Upper
43	100
70	0.0 30.9 46.3#
55	4.9 18.7 28.1#
61	0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 29.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046094.D
Acq: 08 May 2025 16:26

Tgt Ion: 75	Resp: 34314
Ion Ratio	Lower Upper
75	100
77	1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.481 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046094.D
 Acq: 08 May 2025 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 SUB-WC-2

Tgt Ion: 75 Resp: 34314
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

