

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046648.D
 Acq On : 11 Jun 2025 19:21
 Operator : JC/MD
 Sample : Q2273-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Quant Time: Jun 12 02:36:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

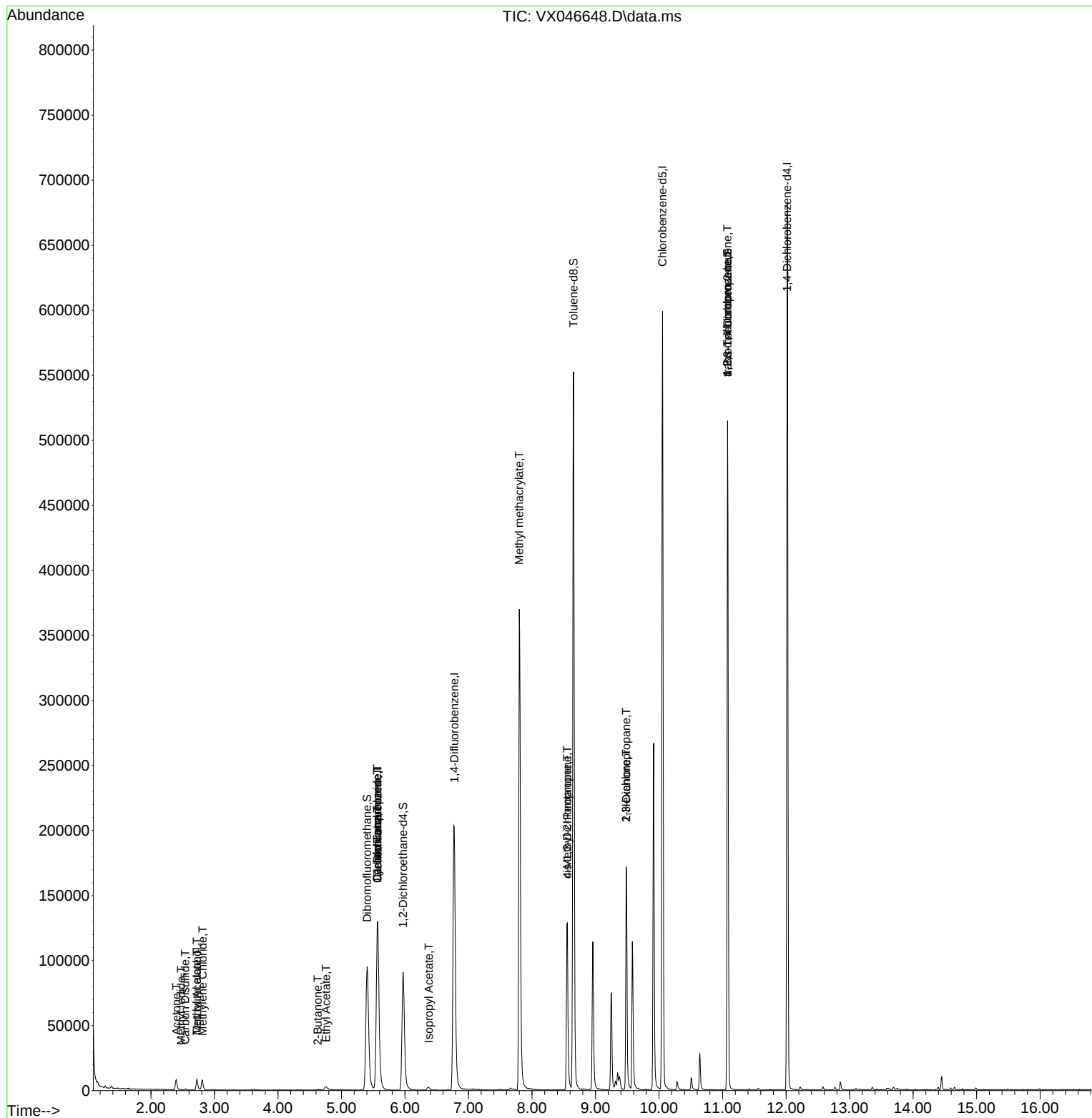
Internal Standards						
1) Pentafluorobenzene	5.568	168	127797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	230151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	138054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	94878	41.730	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.460%
35) Dibromofluoromethane	5.403	113	90268	53.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.660%
50) Toluene-d8	8.653	98	330321	59.197	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	118.400%#
62) 4-Bromofluorobenzene	11.079	95	140294	60.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	121.540%#
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.477	142	423	0.233	ug/l #	63
11) Tert butyl alcohol	2.721	59	850	3.369	ug/l #	72
16) Acetone	2.398	43	10590	16.238	ug/l	92
17) Carbon Disulfide	2.538	76	482	0.351	ug/l #	76
18) Methyl Acetate	2.721	43	10995	4.060	ug/l	98
20) Methylene Chloride	2.812	84	3819	2.094	ug/l	84
25) 2-Butanone	4.623	43	776	0.613	ug/l #	53
31) Cyclohexane	5.562	56	2887	1.092	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	10726	4.437	ug/l #	51
37) Ethyl Acetate	4.757	43	6105	2.587	ug/l	96
38) Carbon Tetrachloride	5.562	117	14143	5.223	ug/l #	17
43) Isopropyl Acetate	6.373	43	3657	0.889	ug/l	95
48) Methyl methacrylate	7.799	41	36067	17.041	ug/l #	46
51) 4-Methyl-2-Pentanone	8.555	43	49293	18.857	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	22402	8.270	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	1557	0.525	ug/l #	42
59) 2-Hexanone	9.482	43	22261	11.874	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	71081	24.308	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	71081	70.120	ug/l #	1

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

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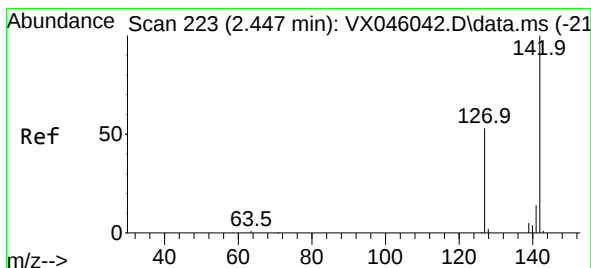
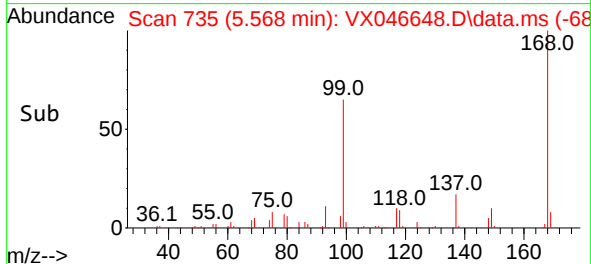
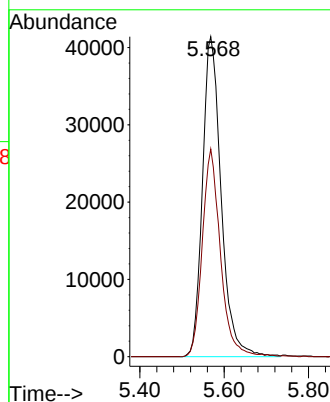
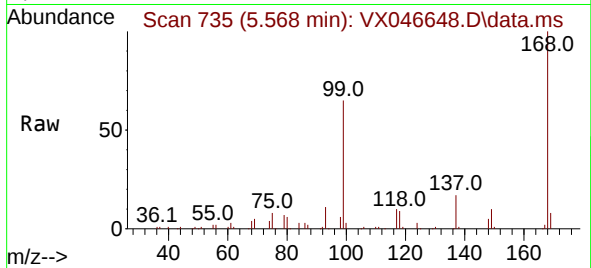




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

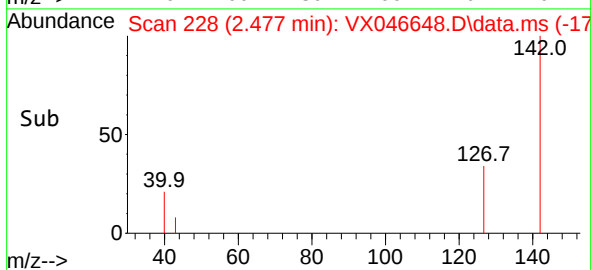
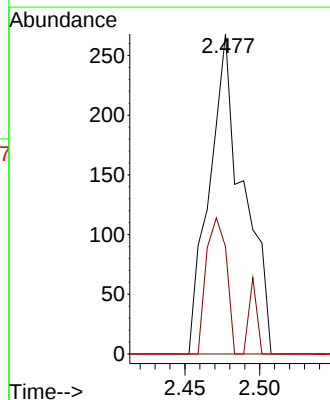
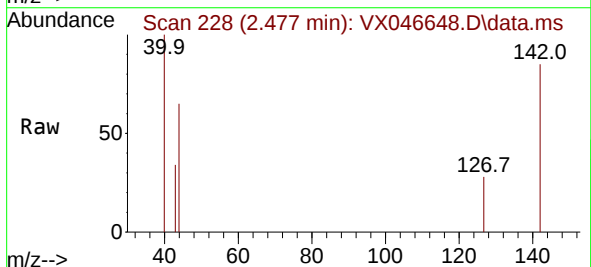
Instrument :
MSVOA_X
ClientSampleId :
WC-6

Tgt Ion:168 Resp: 127797
Ion Ratio Lower Upper
168 100
99 64.9 54.9 82.3



#10
Methyl Iodide
Concen: 0.233 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion:142 Resp: 423
Ion Ratio Lower Upper
142 100
127 25.3 41.7 62.5#
141 0.0 11.5 17.3#

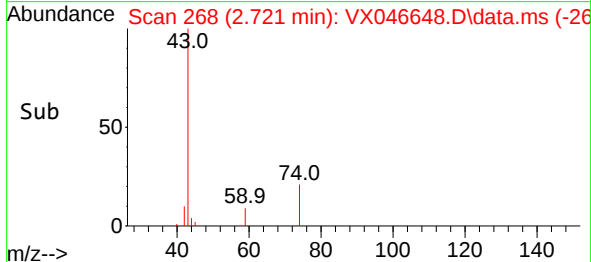
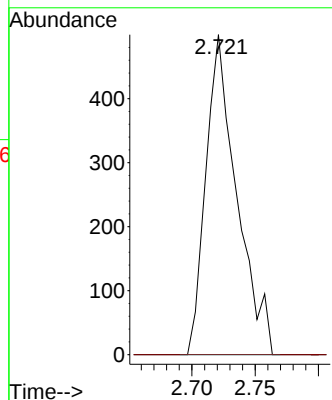
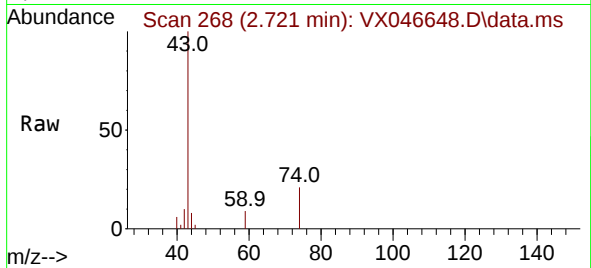




#11
Tert butyl alcohol
Concen: 3.369 ug/l
RT: 2.721 min Scan# 215
Delta R.T. -0.250 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

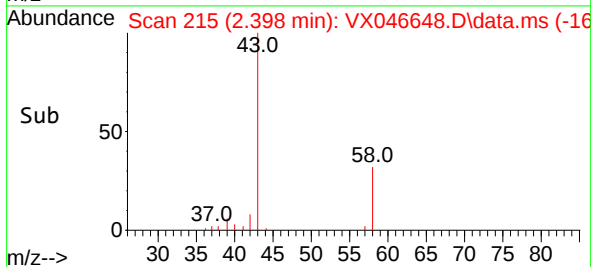
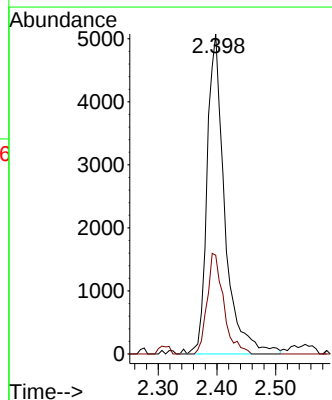
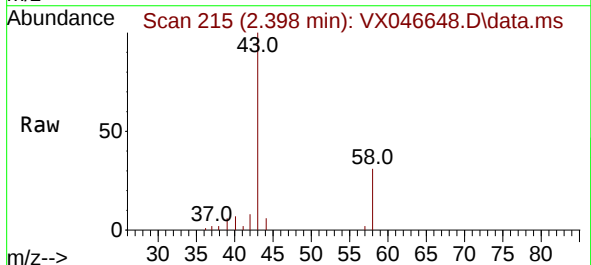
Instrument :
MSVOA_X
ClientSampleId :
WC-6

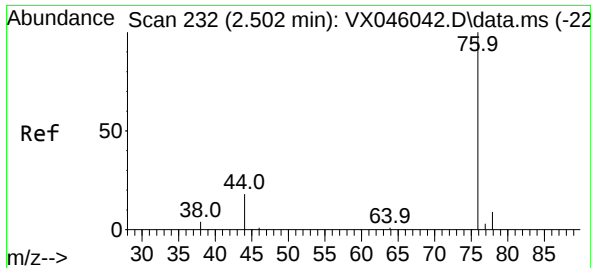
Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 16.238 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 43 Resp: 10590
Ion Ratio Lower Upper
43 100
58 30.9 21.2 31.8





#17

Carbon Disulfide

Concen: 0.351 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046648.D

Acq: 11 Jun 2025 19:21

Instrument :

MSVOA_X

ClientSampleId :

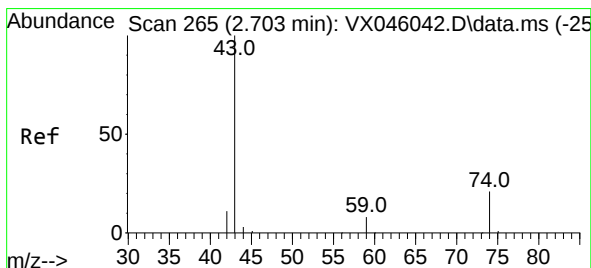
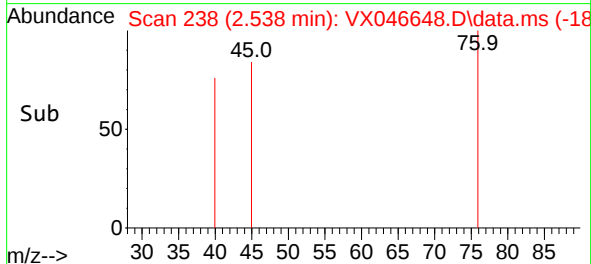
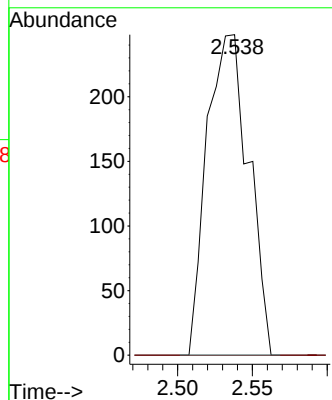
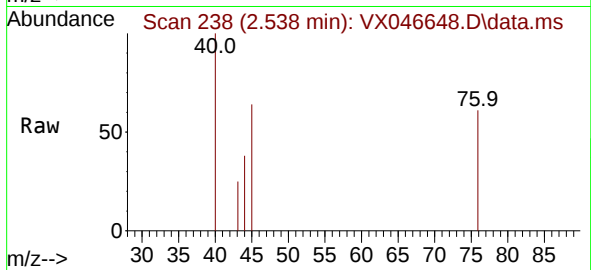
WC-6

Tgt Ion: 76 Resp: 482

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 4.060 ug/l

RT: 2.721 min Scan# 268

Delta R.T. -0.000 min

Lab File: VX046648.D

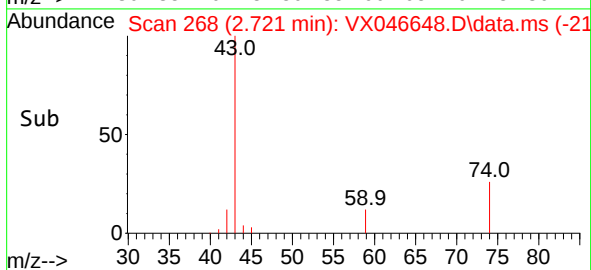
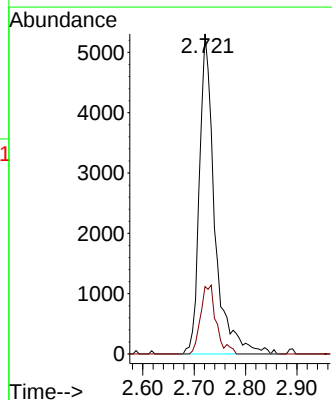
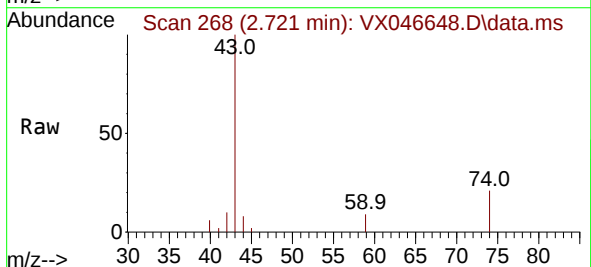
Acq: 11 Jun 2025 19:21

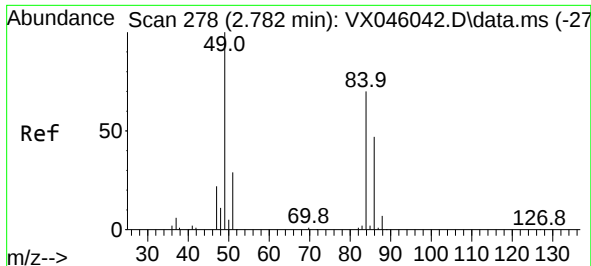
Tgt Ion: 43 Resp: 10995

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1

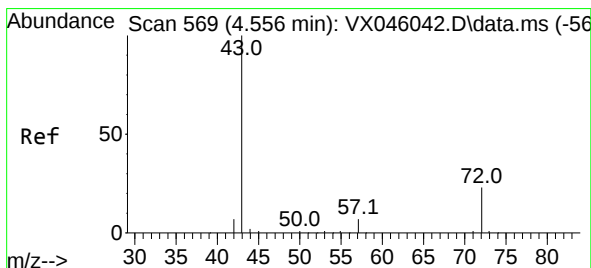
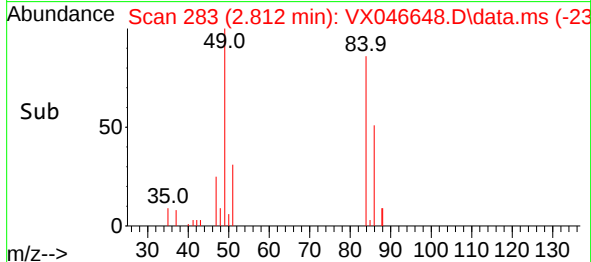
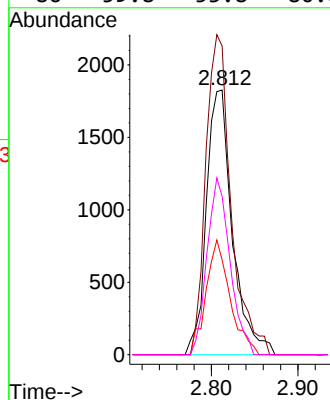
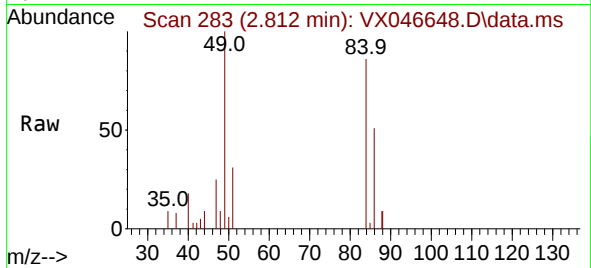




#20
Methylene Chloride
Concen: 2.094 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

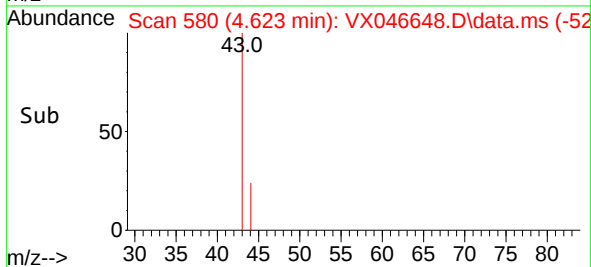
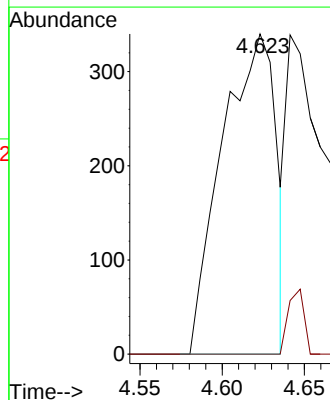
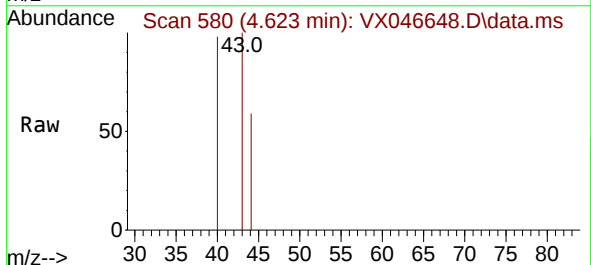
Instrument :
MSVOA_X
ClientSampleId :
WC-6

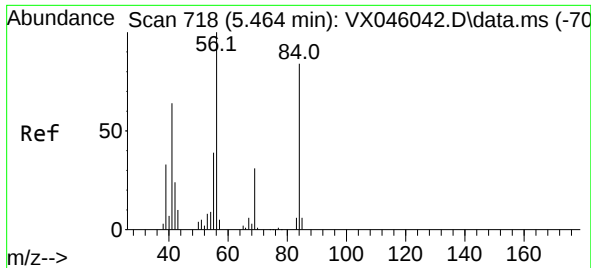
Tgt Ion: 84	Resp: 3819
Ion Ratio	Lower Upper
84 100	
49 116.6	113.9 170.9
51 35.7	33.5 50.3
86 59.8	53.8 80.8



#25
2-Butanone
Concen: 0.613 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.049 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 43	Resp: 776
Ion Ratio	Lower Upper
43 100	
72 0.0	18.4 27.6#

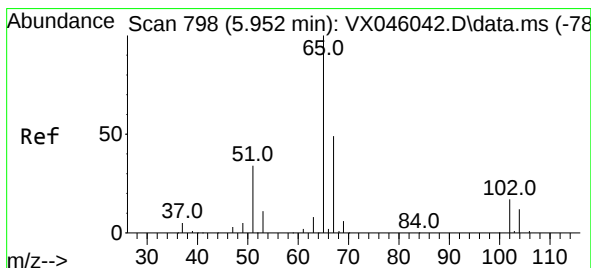
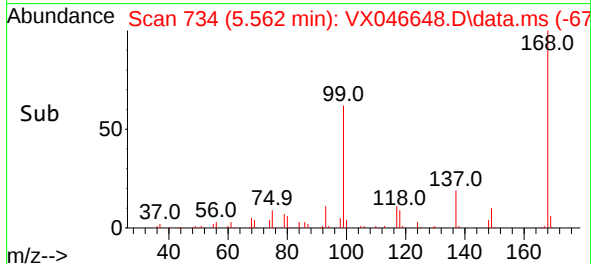
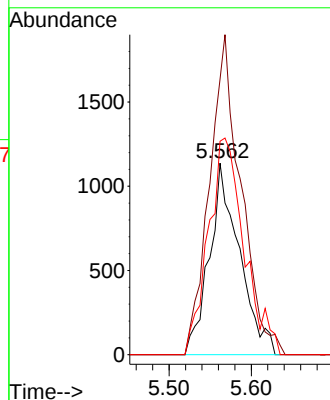
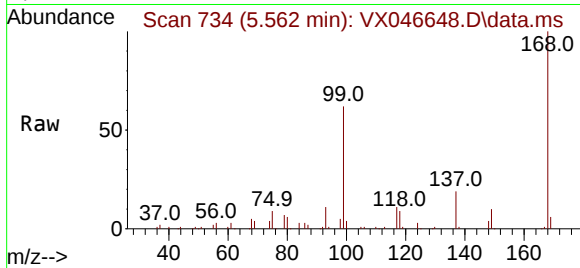




#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

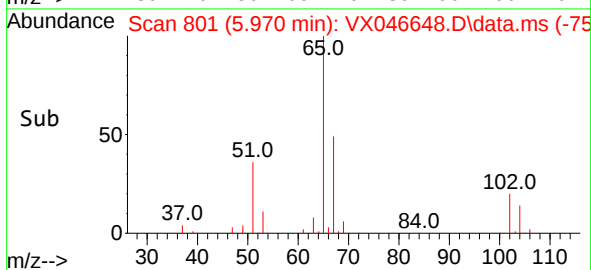
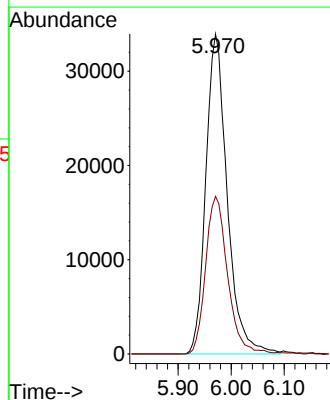
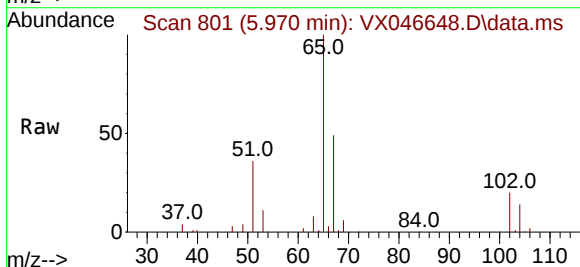
Instrument :
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ClientSampleId :
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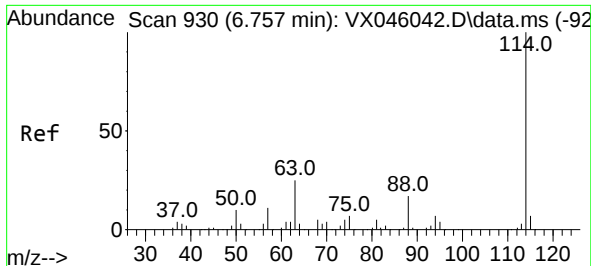
Tgt Ion: 56 Resp: 2887
Ion Ratio Lower Upper
56 100
69 143.9 24.4 36.6#
84 111.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 41.730 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 65 Resp: 94878
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.0

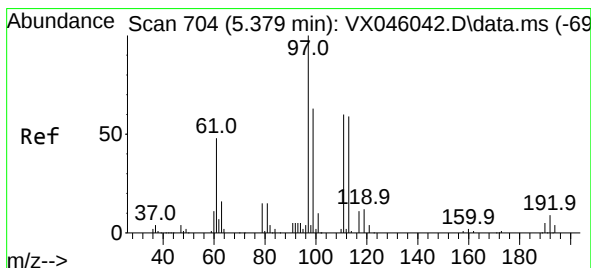
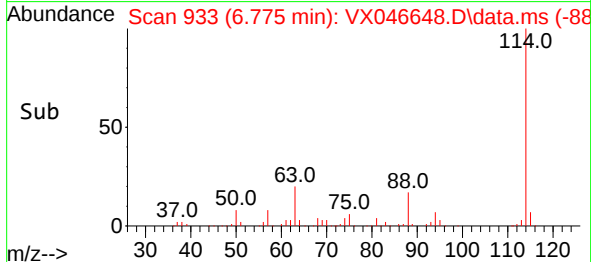
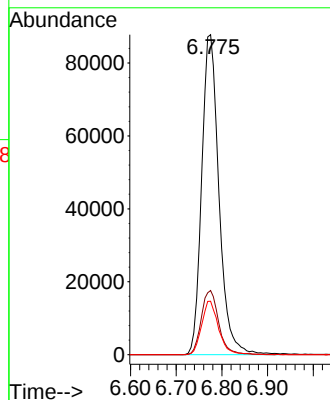
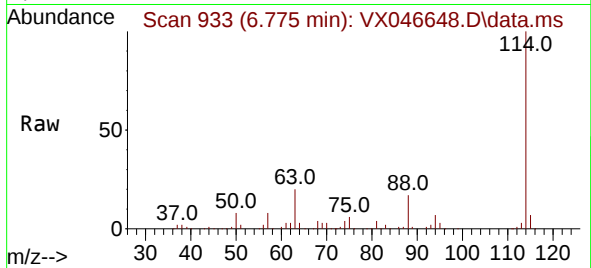




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

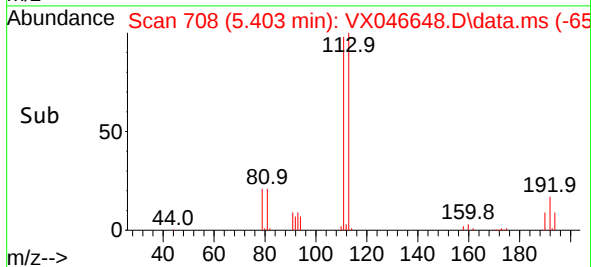
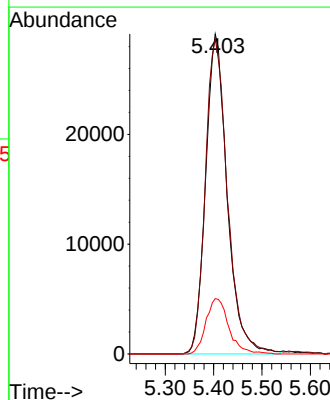
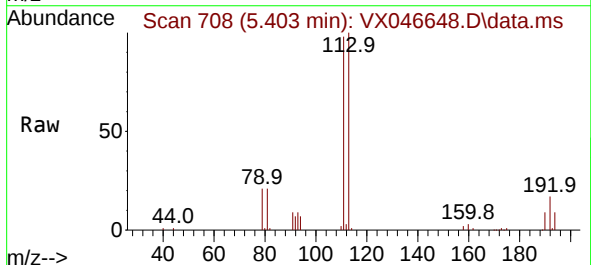
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Tgt Ion:114 Resp: 230151
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 53.333 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion:113 Resp: 90268
Ion Ratio Lower Upper
113 100
111 101.3 83.1 124.7
192 18.3 13.3 19.9

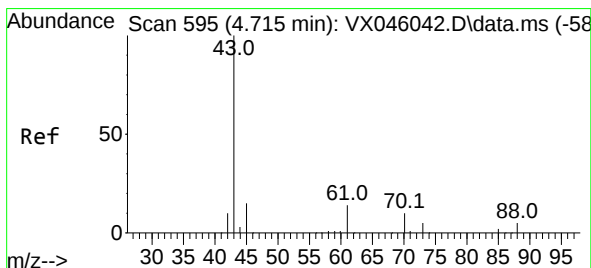
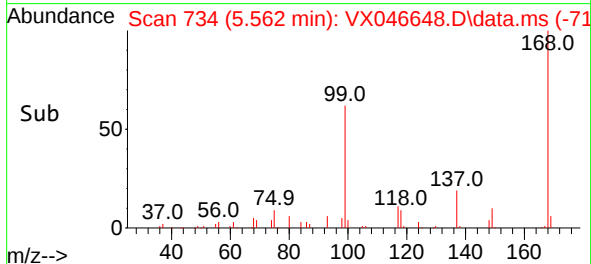
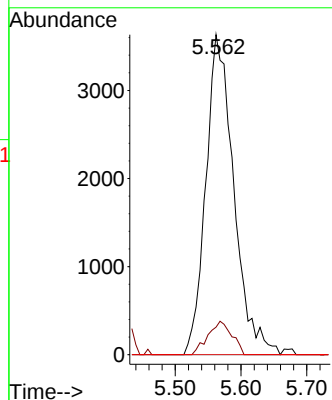
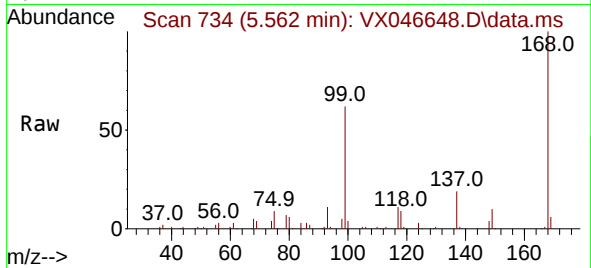




#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

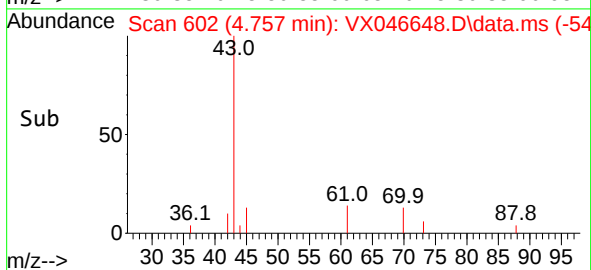
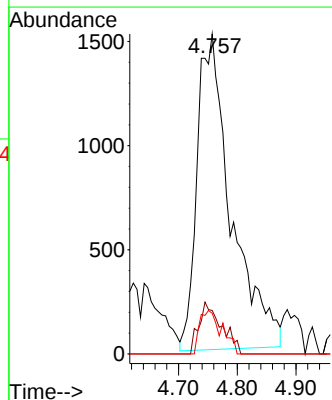
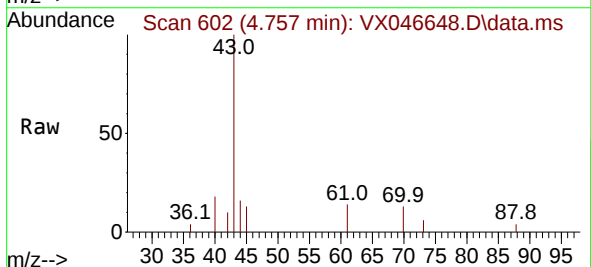
Instrument :
MSVOA_X
ClientSampleId :
WC-6

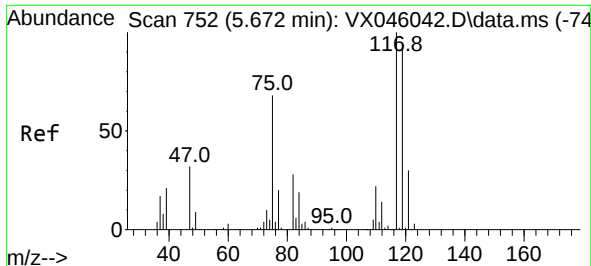
Tgt Ion: 75 Resp: 10726
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.587 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.024 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

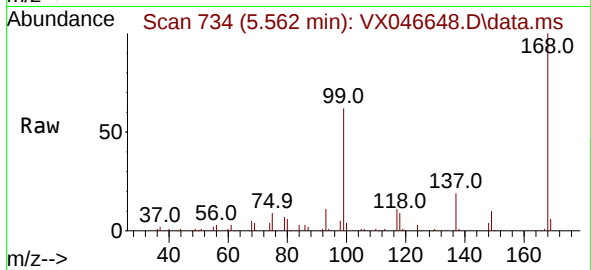
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Ion Ratio Lower Upper
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61 10.9 10.3 15.5
70 9.0 7.9 11.9



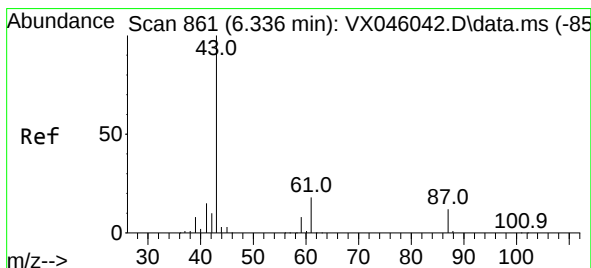
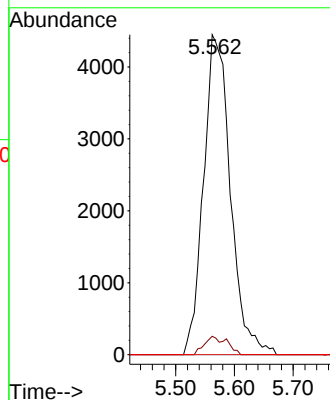
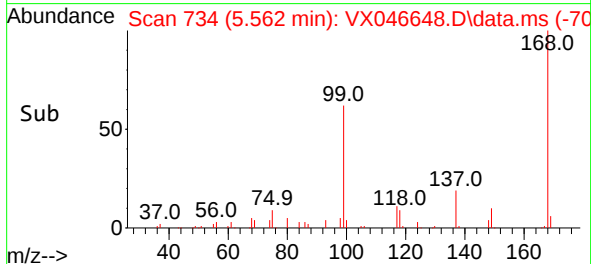


#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
WC-6

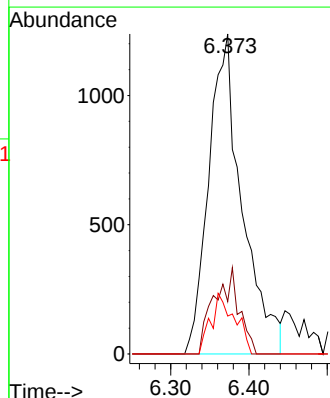
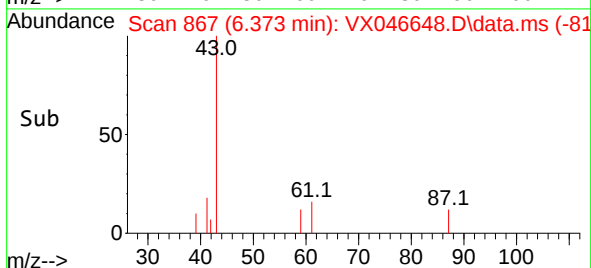
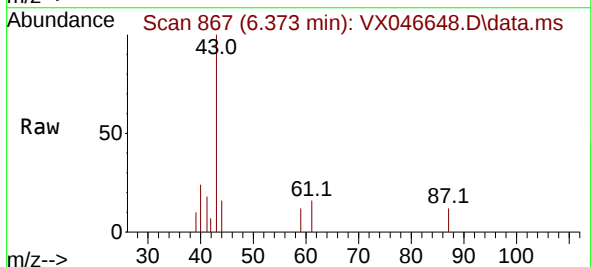


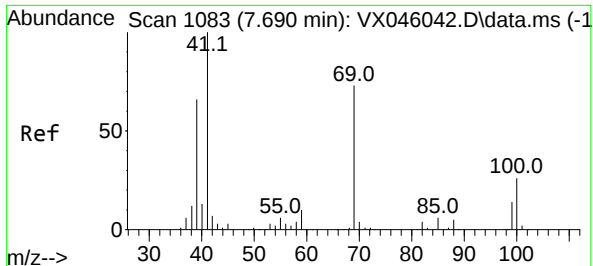
Tgt Ion:117 Resp: 14143
Ion Ratio Lower Upper
117 100
119 5.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.889 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.019 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 43 Resp: 3657
Ion Ratio Lower Upper
43 100
61 20.2 14.3 21.5
87 13.6 9.5 14.3





#48

Methyl methacrylate

Concen: 17.041 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX046648.D

Acq: 11 Jun 2025 19:21

Instrument :

MSVOA_X

ClientSampleId :

WC-6

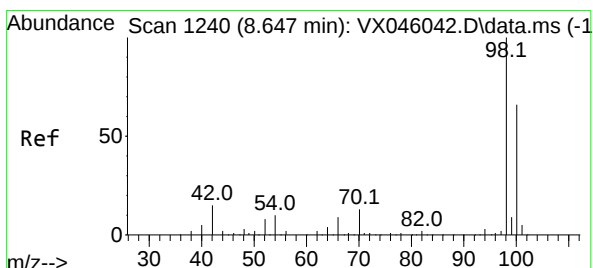
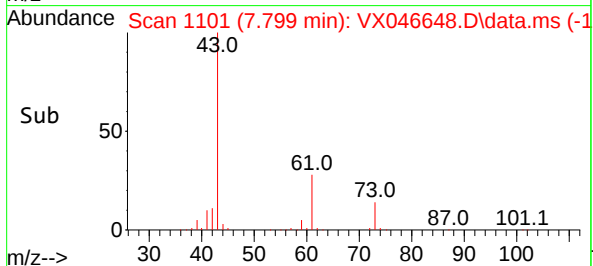
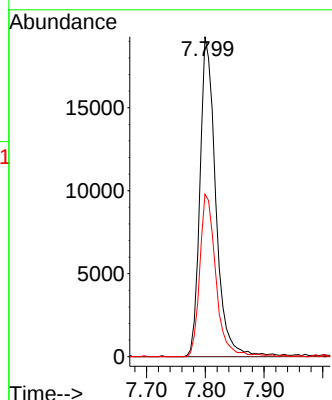
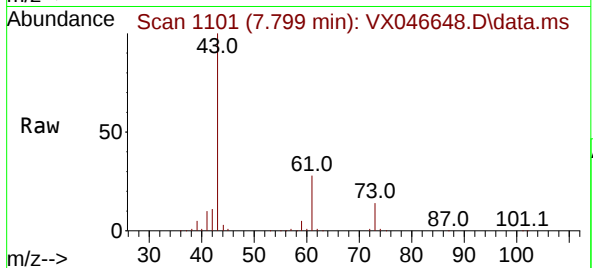
Tgt Ion: 41 Resp: 36067

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 52.0 51.7 77.5



#50

Toluene-d8

Concen: 59.197 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046648.D

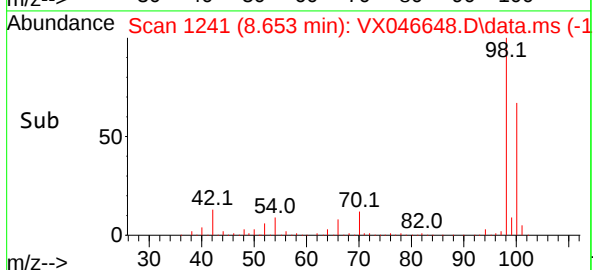
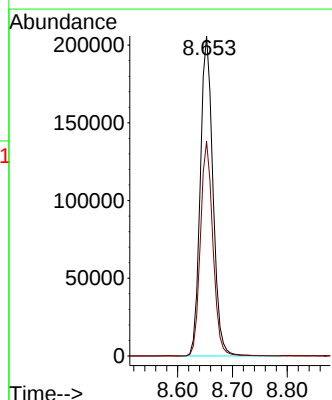
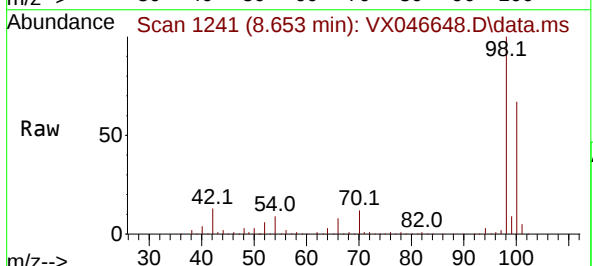
Acq: 11 Jun 2025 19:21

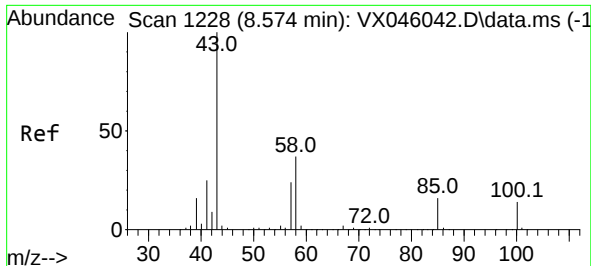
Tgt Ion: 98 Resp: 330321

Ion Ratio Lower Upper

98 100

100 66.1 53.5 80.3

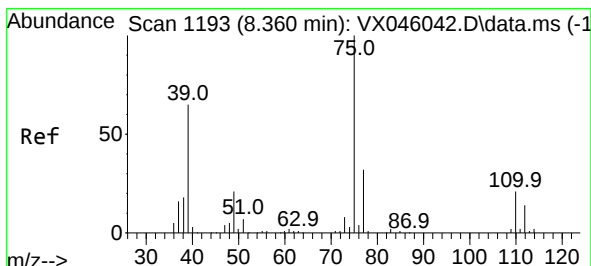
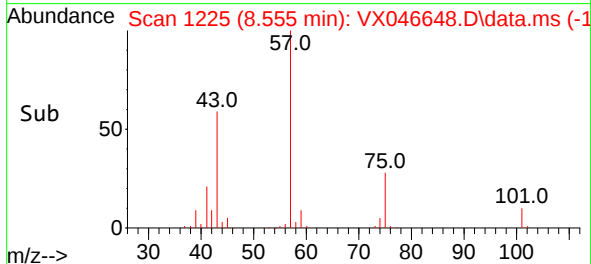
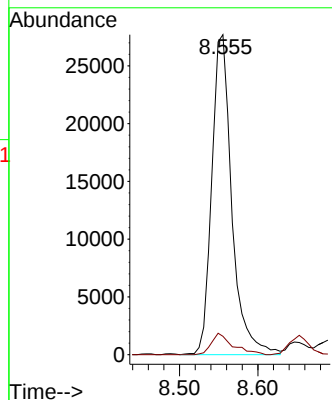
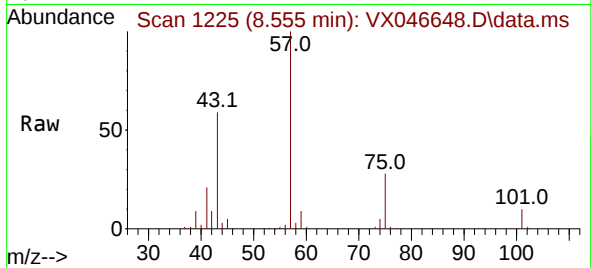




#51
4-Methyl-2-Pentanone
Concen: 18.857 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

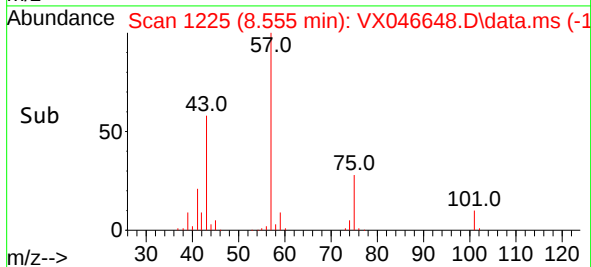
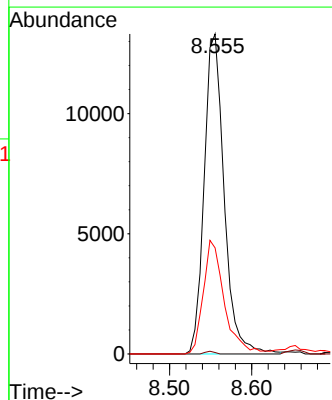
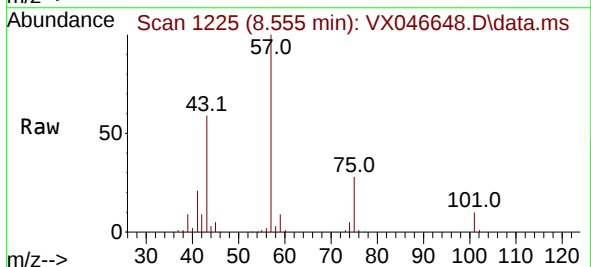
Instrument :
MSVOA_X
ClientSampleId :
WC-6

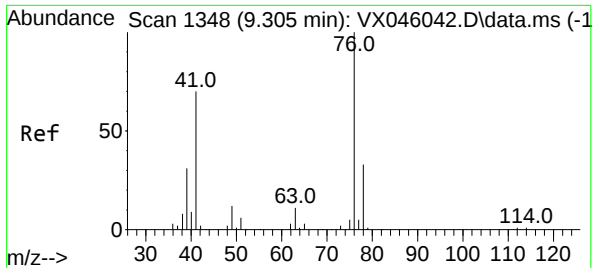
Tgt Ion: 43 Resp: 49293
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.270 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 75 Resp: 22402
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.0#
39 33.2 52.2 78.4#

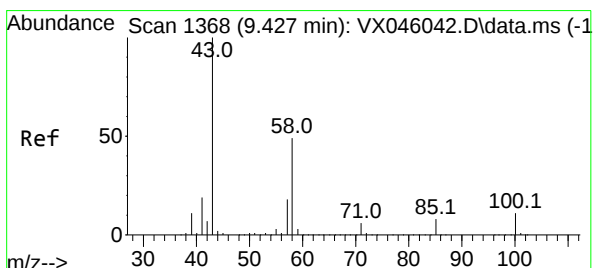
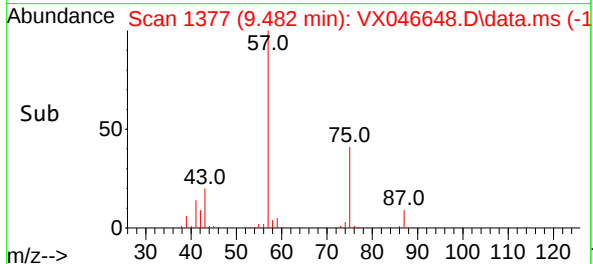
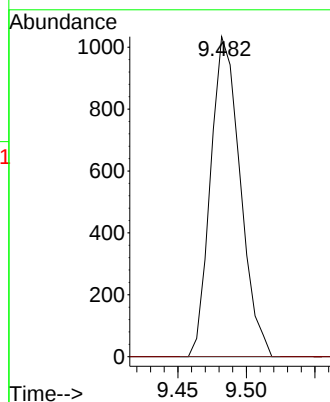
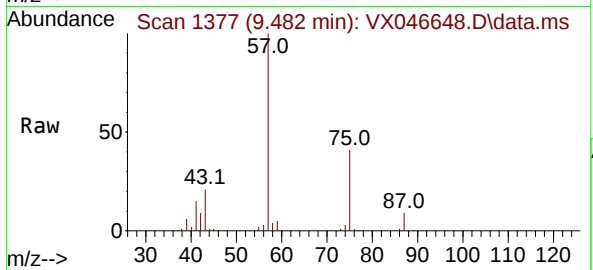




#57
1,3-Dichloropropane
Concen: 0.525 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

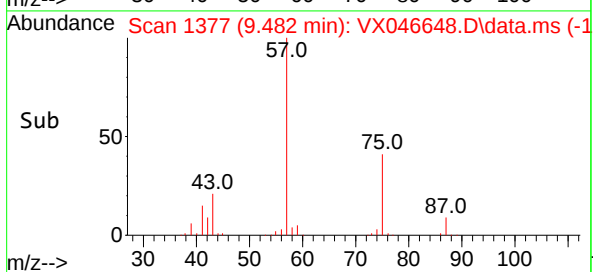
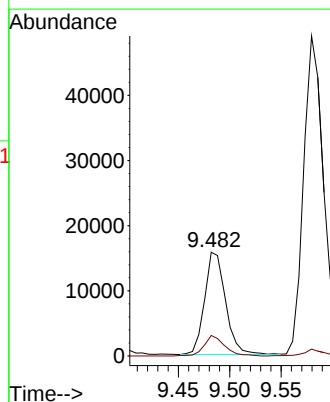
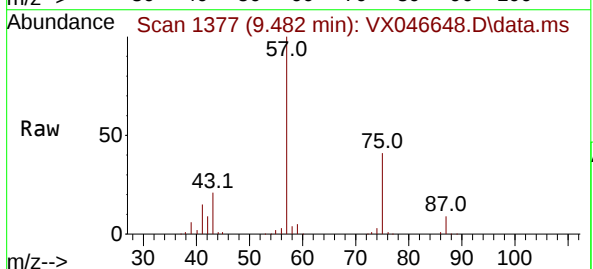
Instrument :
MSVOA_X
ClientSampleId :
WC-6

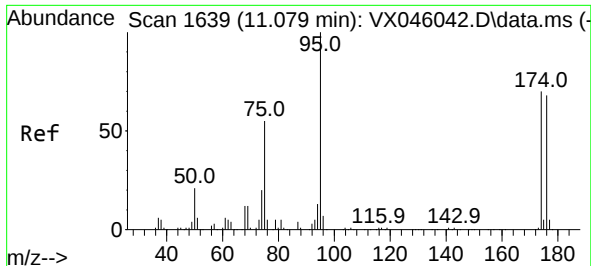
Tgt Ion: 76 Resp: 1557
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 11.874 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 43 Resp: 22261
Ion Ratio Lower Upper
43 100
58 19.6 24.9 74.6#

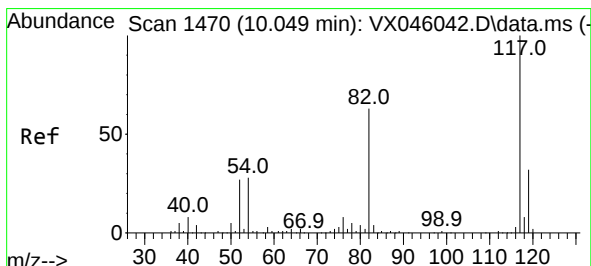
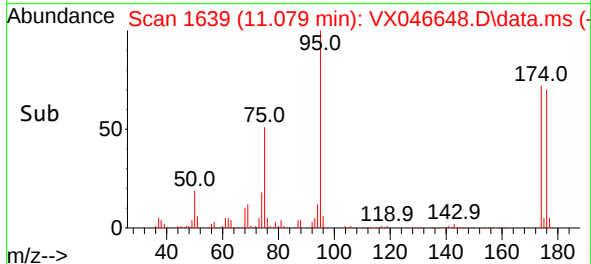
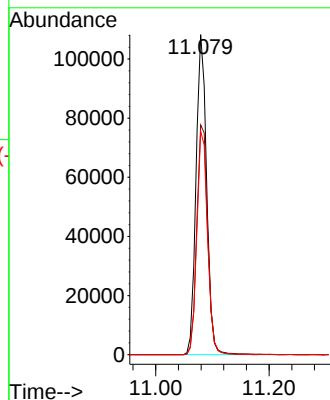
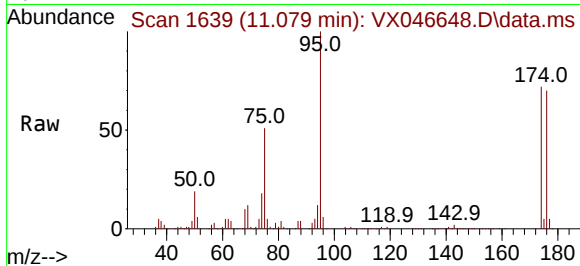




#62
4-Bromofluorobenzene
Concen: 60.767 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

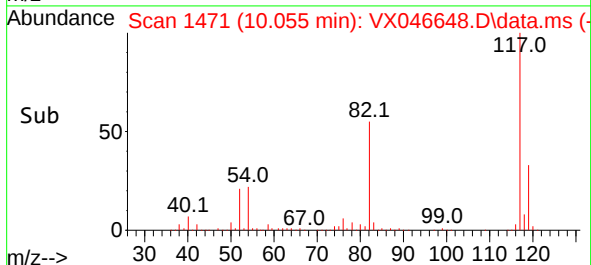
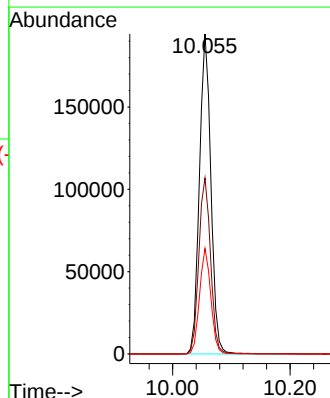
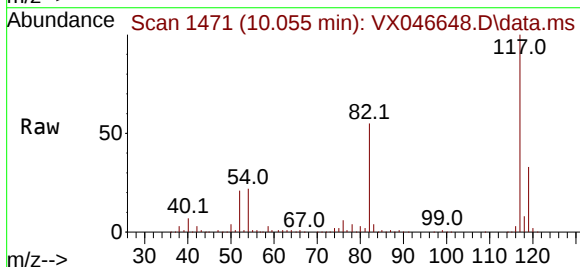
Instrument :
MSVOA_X
ClientSampleId :
WC-6

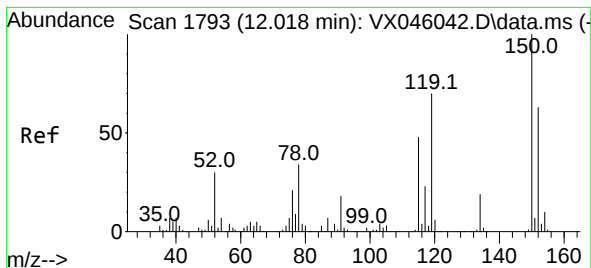
Tgt Ion: 95 Resp: 140294
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.8
176 70.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Tgt Ion: 117 Resp: 263330
Ion Ratio Lower Upper
117 100
82 55.0 50.6 76.0
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046648.D

Acq: 11 Jun 2025 19:21

Instrument :

MSVOA_X

ClientSampleId :

WC-6

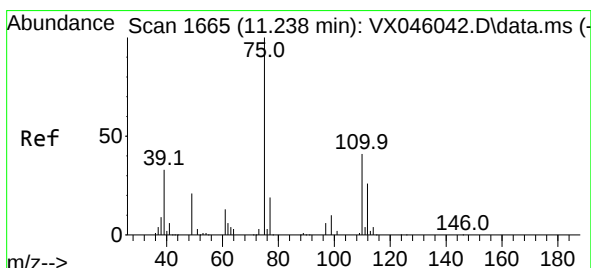
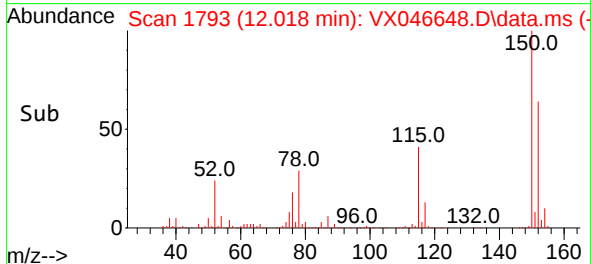
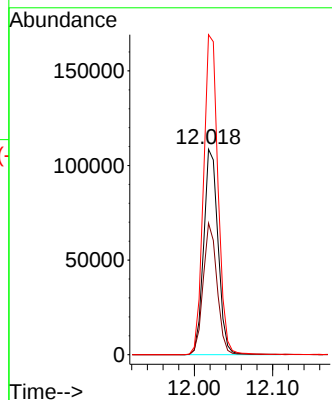
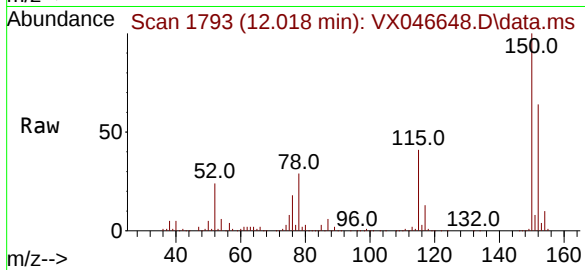
Tgt Ion:152 Resp: 138054

Ion Ratio Lower Upper

152 100

115 62.0 46.9 140.7

150 157.9 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 24.308 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046648.D

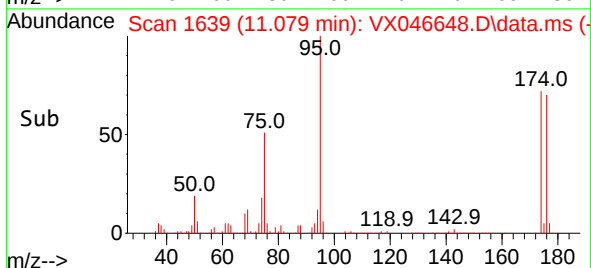
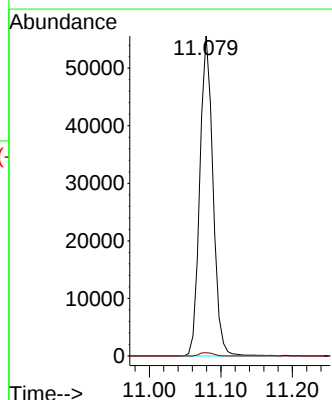
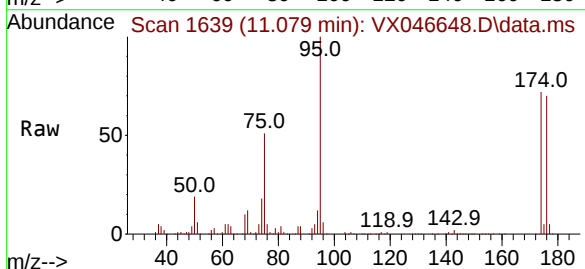
Acq: 11 Jun 2025 19:21

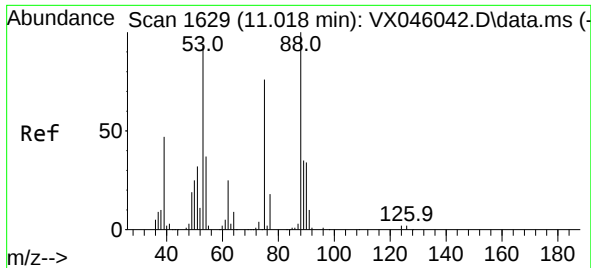
Tgt Ion: 75 Resp: 71081

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.120 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046648.D
Acq: 11 Jun 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
WC-6

Tgt Ion: 75 Resp: 71081
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

