

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046696.D
 Acq On : 13 Jun 2025 17:46
 Operator : JC/MD
 Sample : Q2296-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Quant Time: Jun 13 23:33:51 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	5.574	168	91949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	172641	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74468	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	84057	51.384	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.760%	
35) Dibromofluoromethane	5.403	113	62421	49.166	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.340%	
50) Toluene-d8	8.653	98	213463	50.998	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	11.079	95	81700	47.176	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.360%	

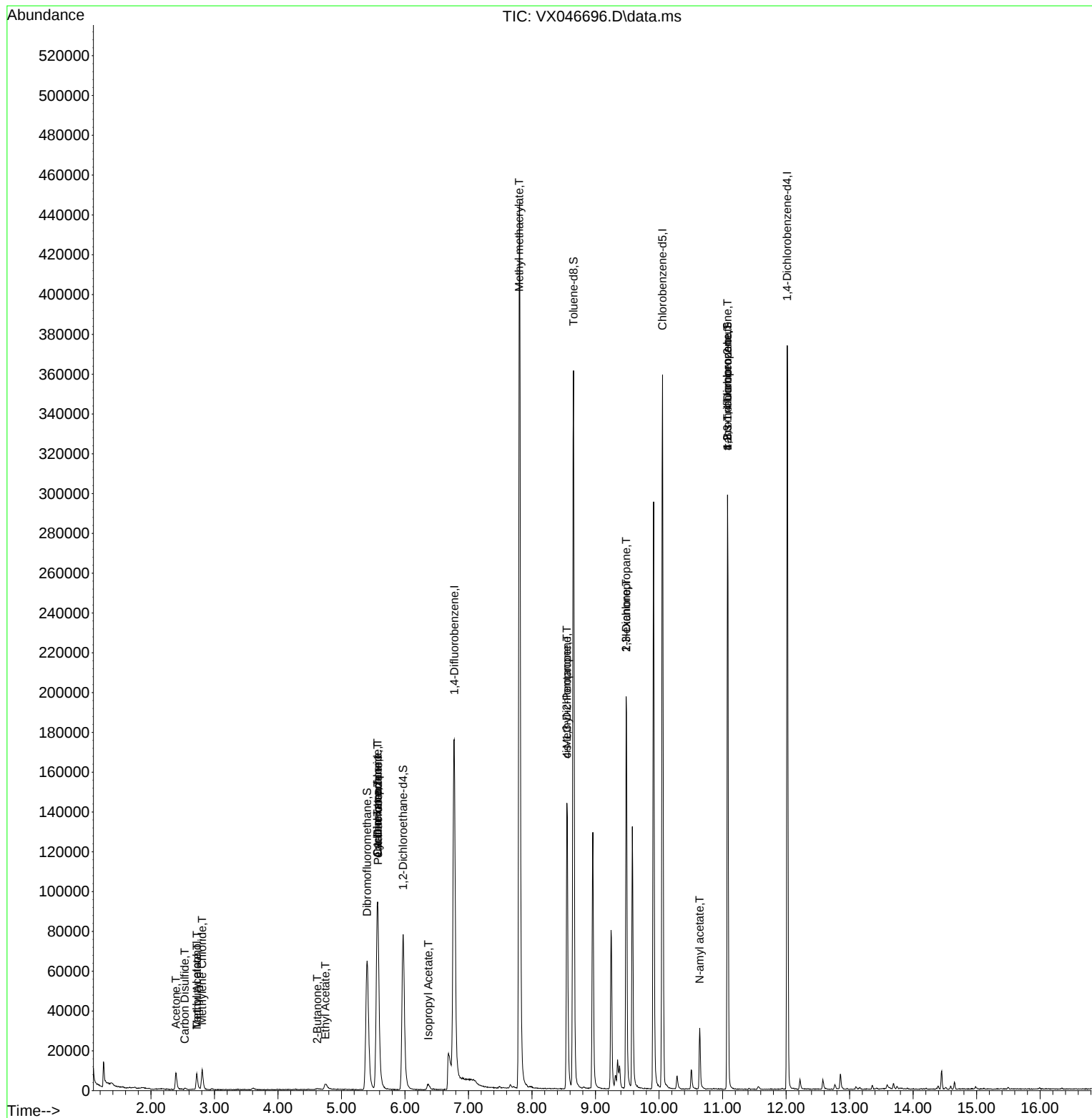
Target Compounds						Qvalue
11) Tert butyl alcohol	2.721	59	971	5.349	ug/l #	72
16) Acetone	2.392	43	10777	21.063	ug/l	94
17) Carbon Disulfide	2.532	76	306	0.334	ug/l #	76
18) Methyl Acetate	2.721	43	10825	5.555	ug/l	98
20) Methylene Chloride	2.806	84	4805	3.661	ug/l	97
25) 2-Butanone	4.617	43	1140	1.252	ug/l #	77
31) Cyclohexane	5.568	56	2368	1.245	ug/l #	9
36) 1,1-Dichloropropene	5.568	75	8060	4.444	ug/l #	51
37) Ethyl Acetate	4.745	43	5868	3.315	ug/l #	88
38) Carbon Tetrachloride	5.568	117	10795	5.314	ug/l #	17
43) Isopropyl Acetate	6.367	43	4530	1.468	ug/l	95
48) Methyl methacrylate	7.799	41	43992	27.709	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	55035	28.067	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	23941	11.782	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	1730	0.777	ug/l #	42
59) 2-Hexanone	9.482	43	25665	18.250	ug/l #	55
74) N-amyl acetate	10.640	43	8670	3.363	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	43093	27.320	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43093	78.809	ug/l #	1

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

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Quant Time: Jun 13 23:33:51 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

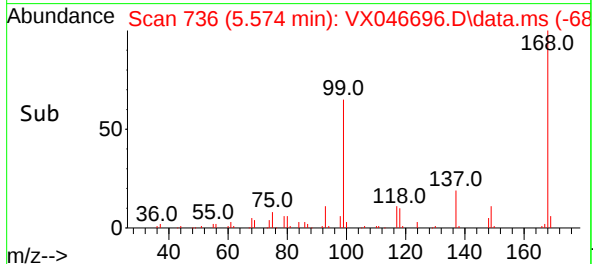
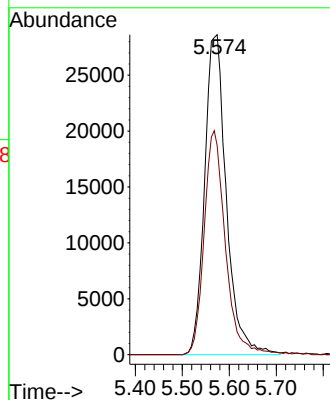
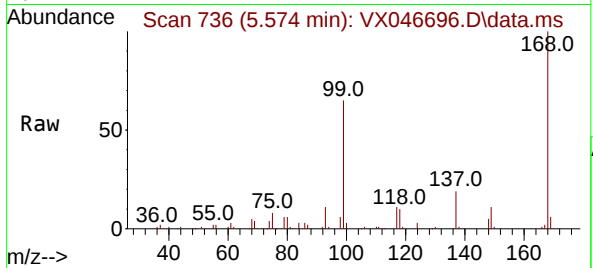




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

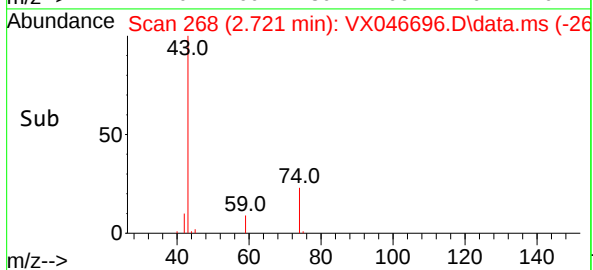
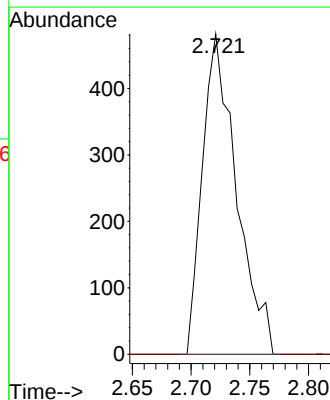
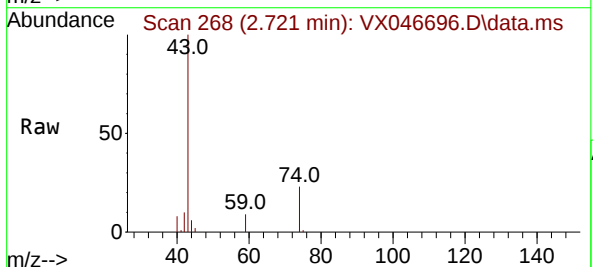
Instrument :
MSVOA_X
ClientSampleId :
WC-6

Tgt Ion:168 Resp: 91949
Ion Ratio Lower Upper
168 100
99 65.3 54.9 82.3



#11
Tert butyl alcohol
Concen: 5.349 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.250 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

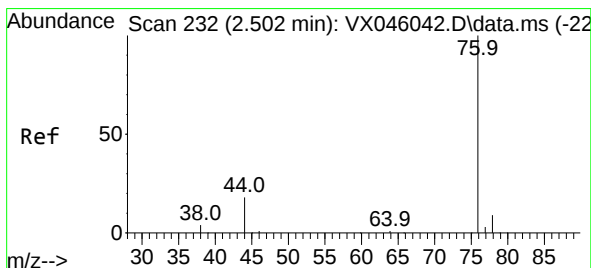
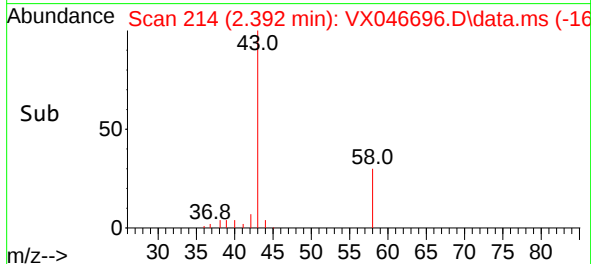
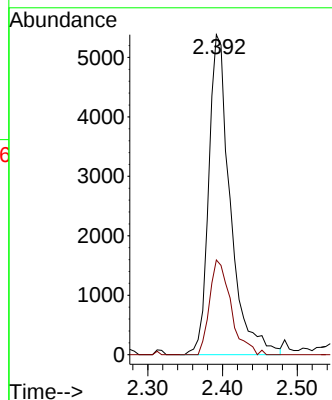
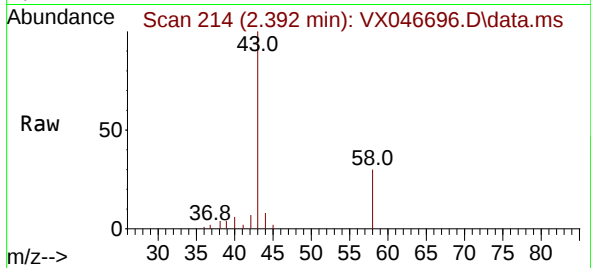




#16
Acetone
Concen: 21.063 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

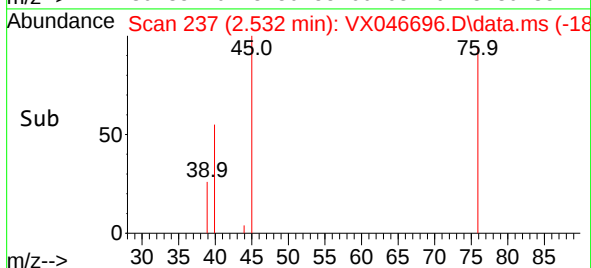
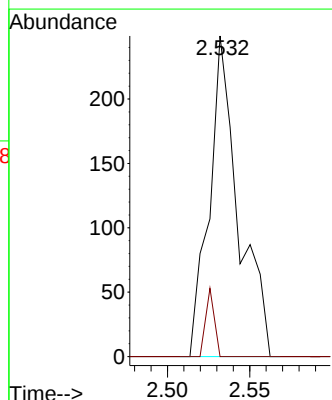
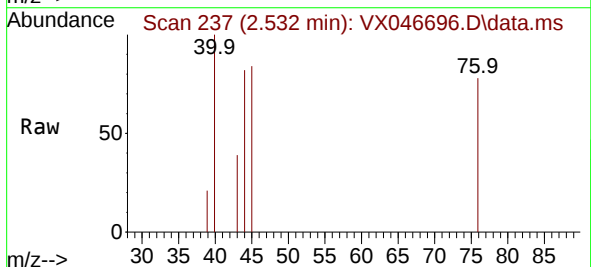
Instrument :
MSVOA_X
ClientSampleId :
WC-6

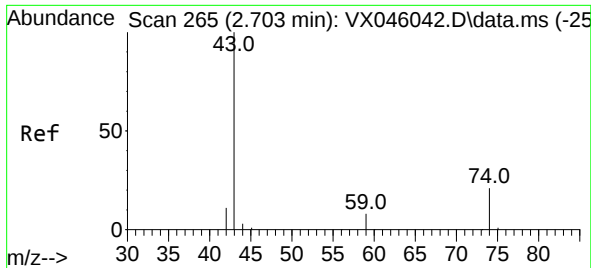
Tgt Ion: 43 Resp: 10777
Ion Ratio Lower Upper
43 100
58 29.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.334 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 76 Resp: 306
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

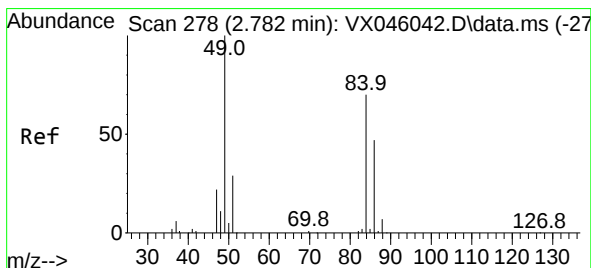
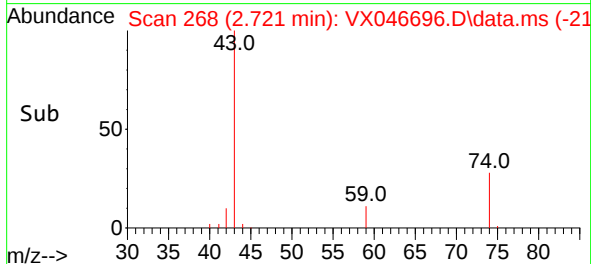
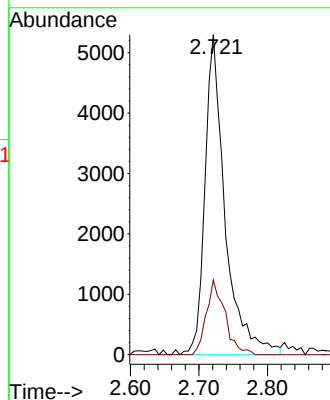
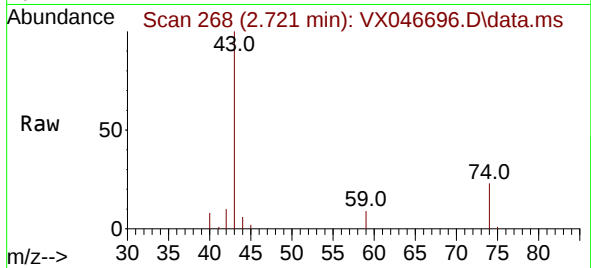




#18
Methyl Acetate
Concen: 5.555 ug/l
RT: 2.721 min Scan# 210
Delta R.T. -0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

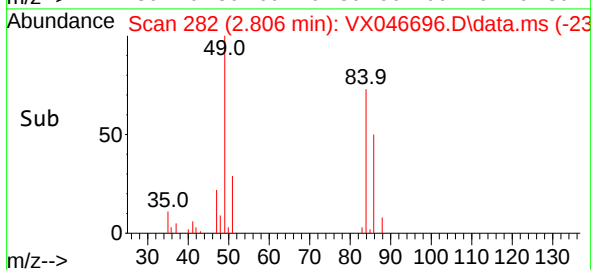
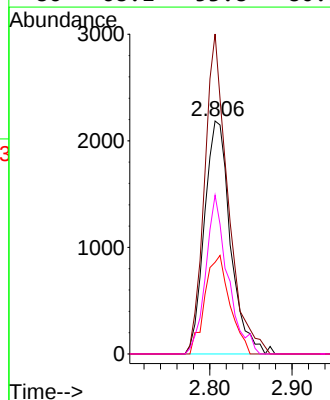
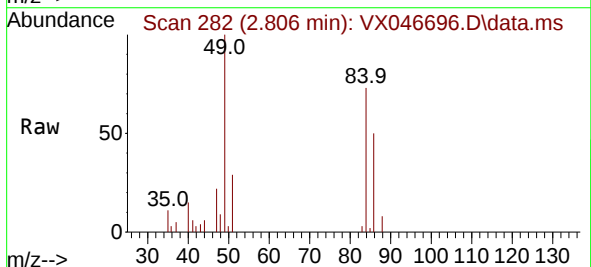
Instrument :
MSVOA_X
ClientSampleId :
WC-6

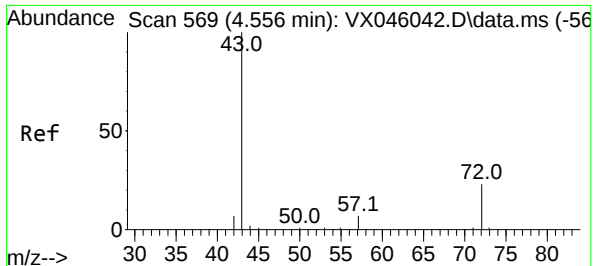
Tgt Ion: 43 Resp: 10825
Ion Ratio Lower Upper
43 100
74 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 3.661 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 84 Resp: 4805
Ion Ratio Lower Upper
84 100
49 137.3 113.9 170.9
51 39.3 33.5 50.3
86 68.1 53.8 80.8





#25

2-Butanone

Concen: 1.252 ug/l

RT: 4.617 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

Instrument :

MSVOA_X

ClientSampleId :

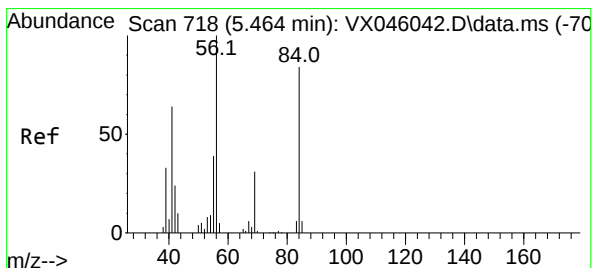
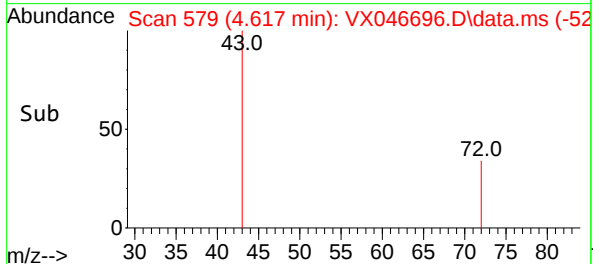
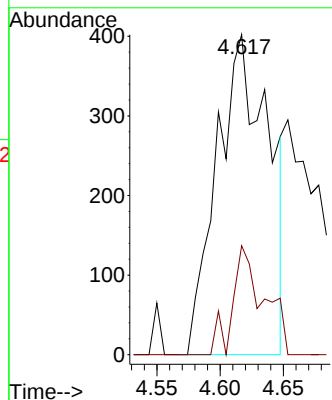
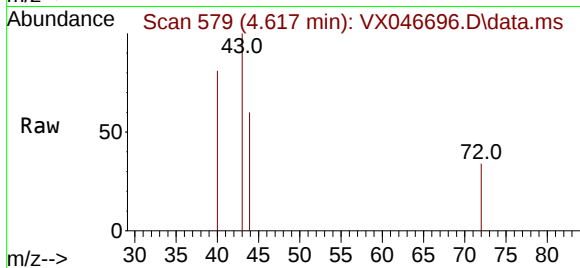
WC-6

Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

72 34.1 18.4 27.6#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

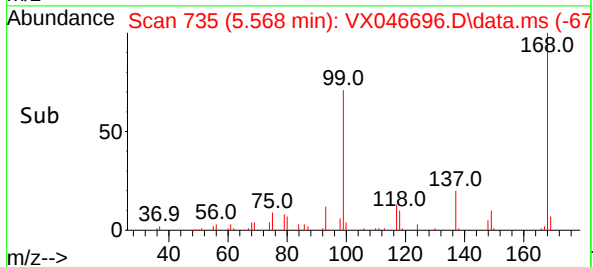
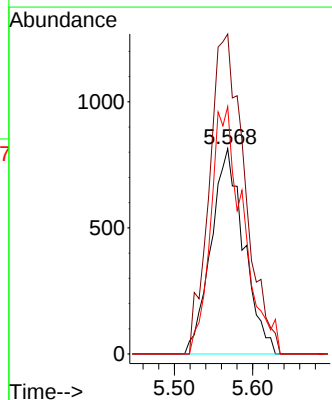
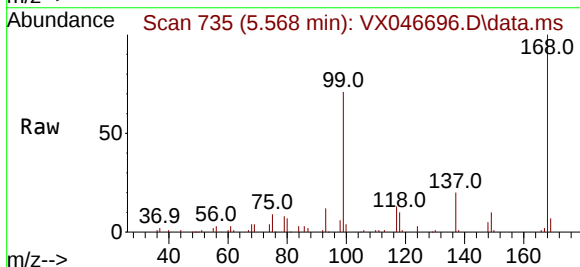
Tgt Ion: 56 Resp: 2368

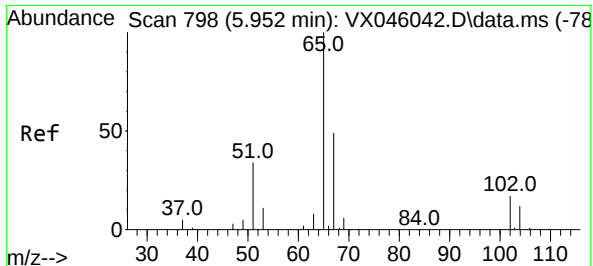
Ion Ratio Lower Upper

56 100

69 155.9 24.4 36.6#

84 120.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.384 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

Instrument :

MSVOA_X

ClientSampleId :

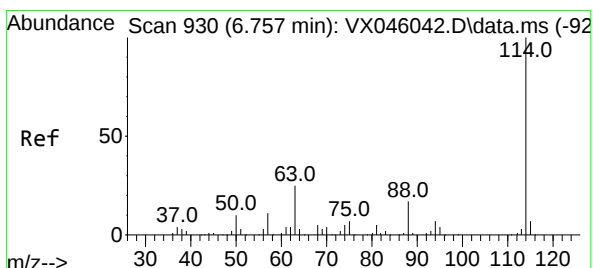
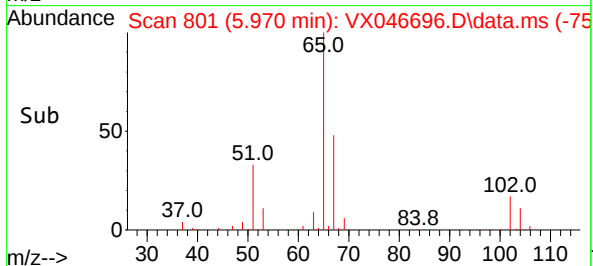
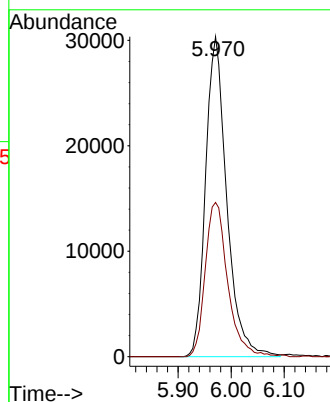
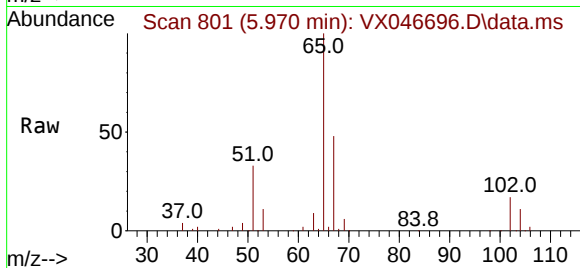
WC-6

Tgt Ion: 65 Resp: 84057

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

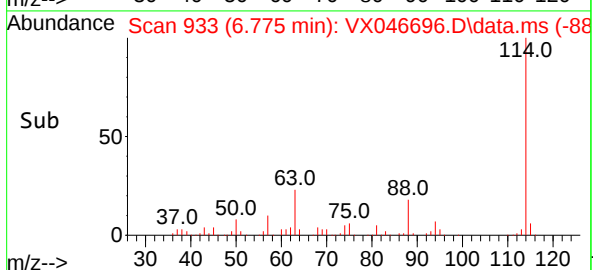
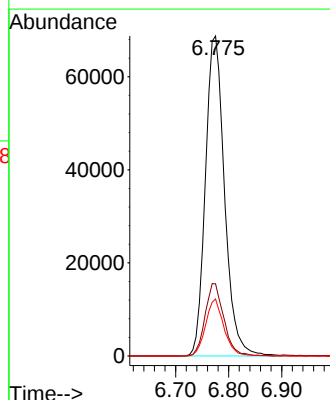
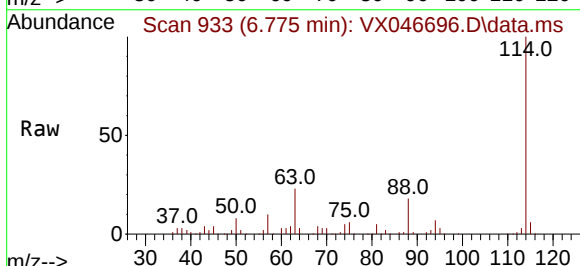
Tgt Ion: 114 Resp: 172641

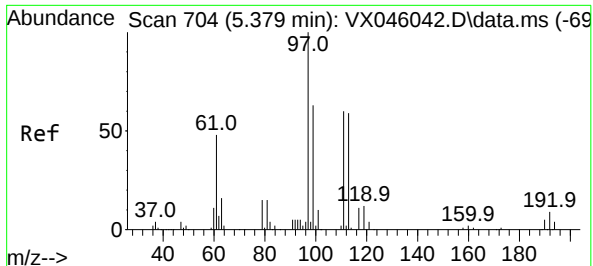
Ion Ratio Lower Upper

114 100

63 22.6 0.0 49.2

88 17.8 0.0 33.6

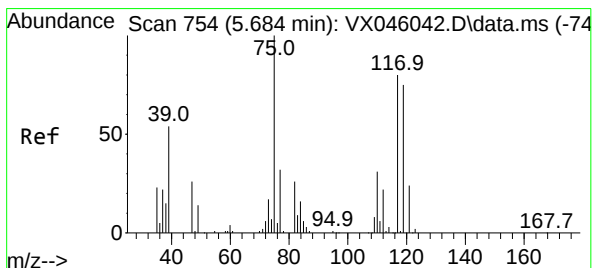
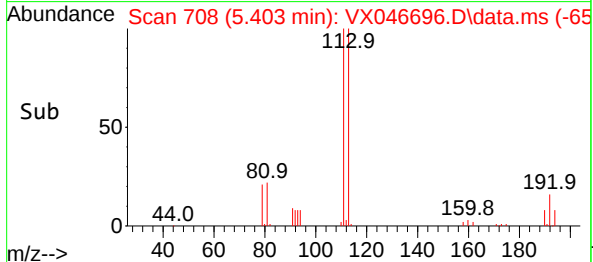
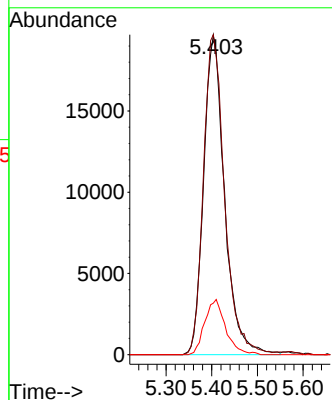
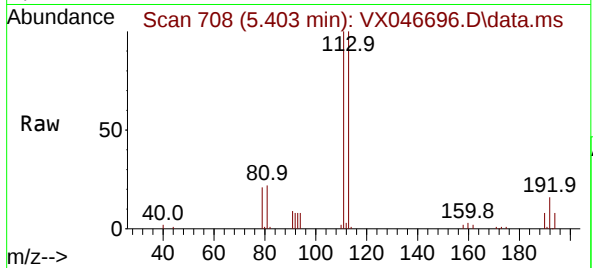




#35
Dibromofluoromethane
Concen: 49.166 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

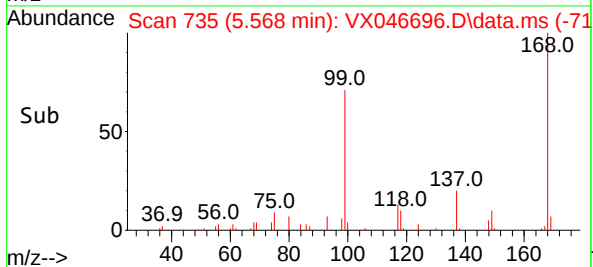
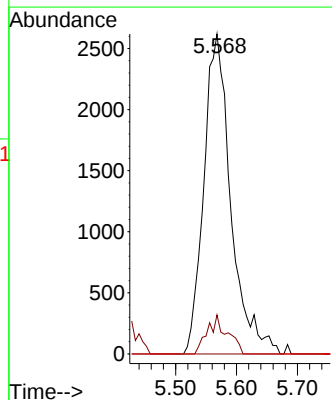
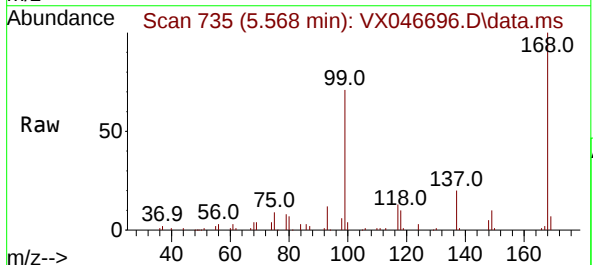
Instrument :
MSVOA_X
ClientSampleId :
WC-6

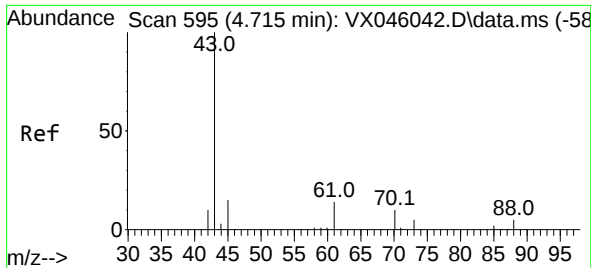
Tgt Ion:113 Resp: 62421
Ion Ratio Lower Upper
113 100
111 101.3 83.1 124.7
192 17.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.444 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 75 Resp: 8060
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#

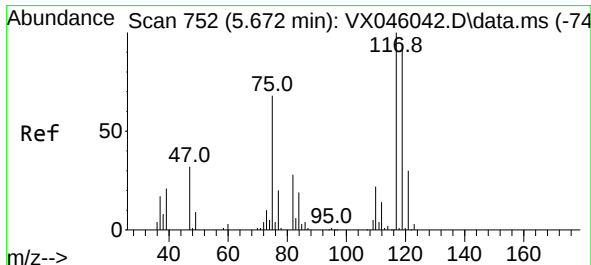
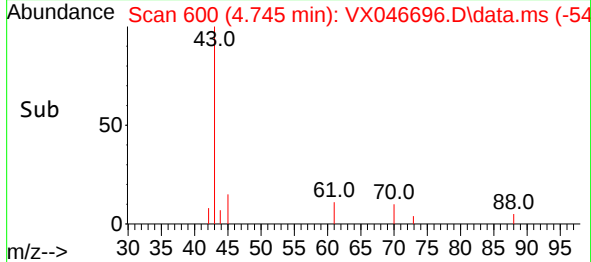
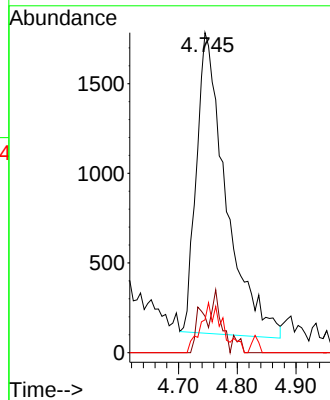
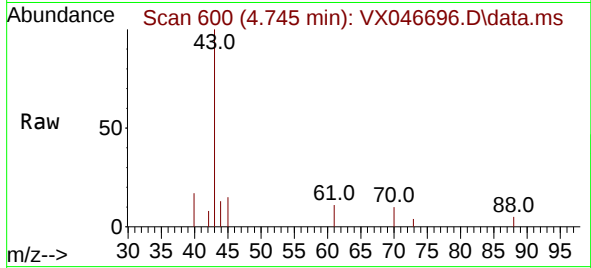




#37
Ethyl Acetate
Concen: 3.315 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

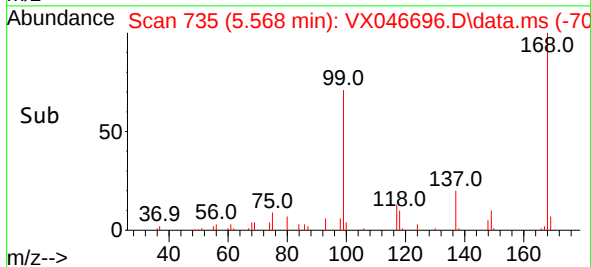
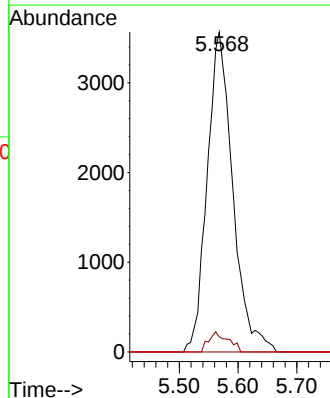
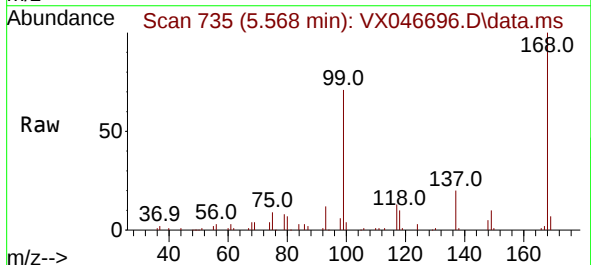
Instrument :
MSVOA_X
ClientSampleId :
WC-6

Tgt Ion: 43 Resp: 5868
Ion Ratio Lower Upper
43 100
61 5.6 10.3 15.5#
70 11.0 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.314 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 117 Resp: 10795
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 24.2 36.4#

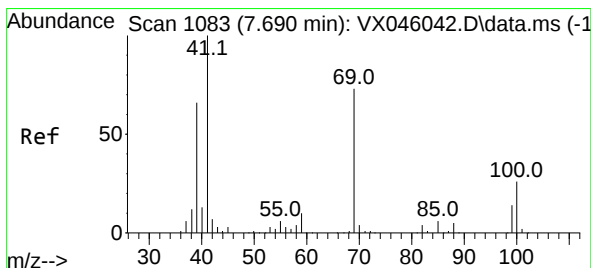
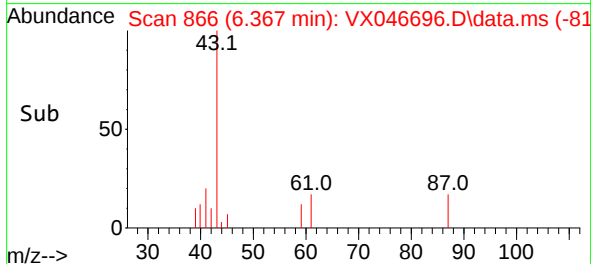
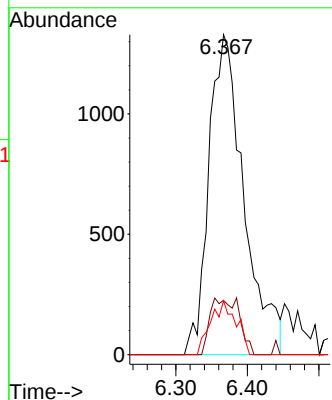
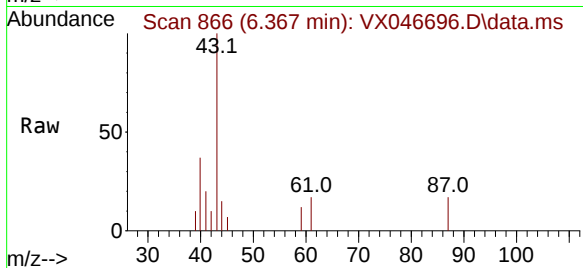




#43
Isopropyl Acetate
Concen: 1.468 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

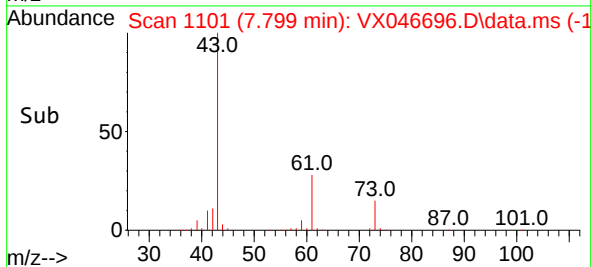
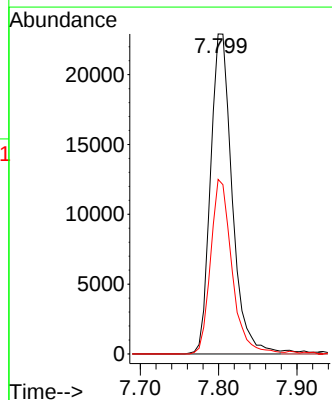
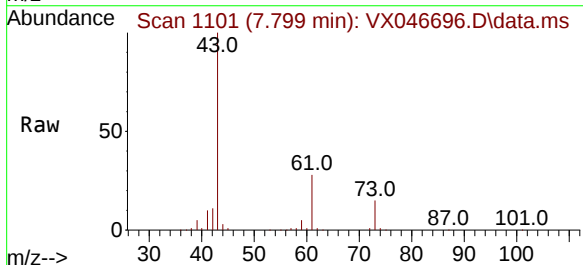
Instrument :
MSVOA_X
ClientSampleId :
WC-6

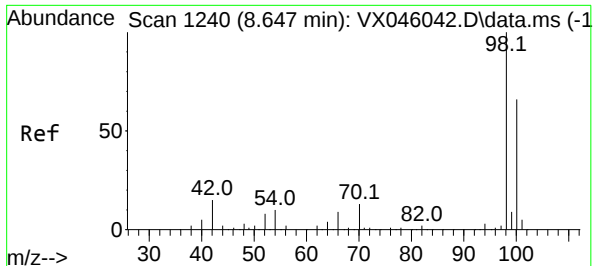
Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
61 14.6 14.3 21.5
87 12.3 9.5 14.3



#48
Methyl methacrylate
Concen: 27.709 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion: 41 Resp: 43992
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.8 51.7 77.5





#50

Toluene-d8

Concen: 50.998 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

Instrument :

MSVOA_X

ClientSampleId :

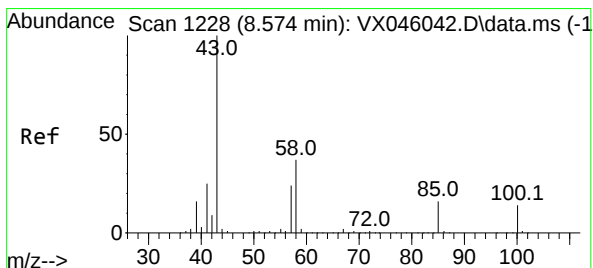
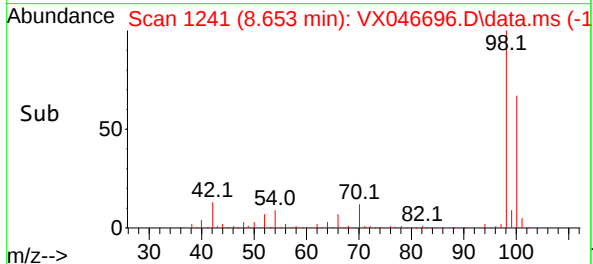
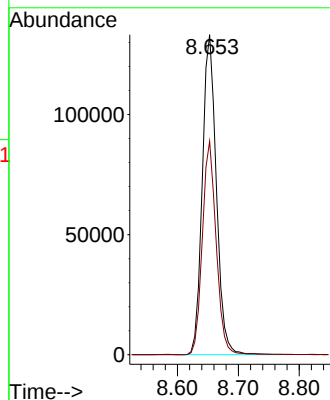
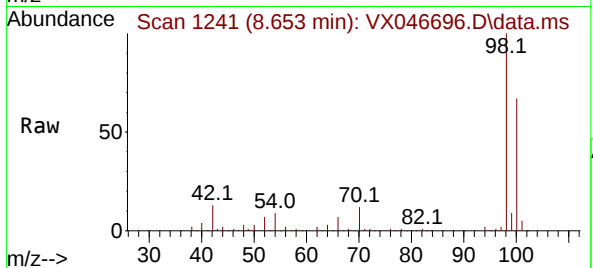
WC-6

Tgt Ion: 98 Resp: 213463

Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 28.067 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX046696.D

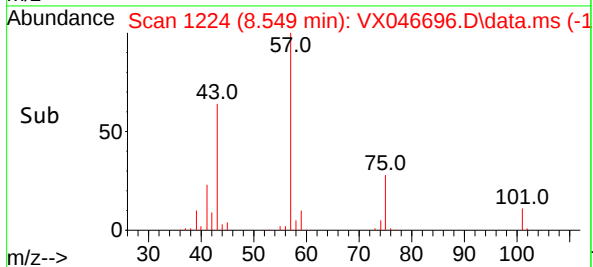
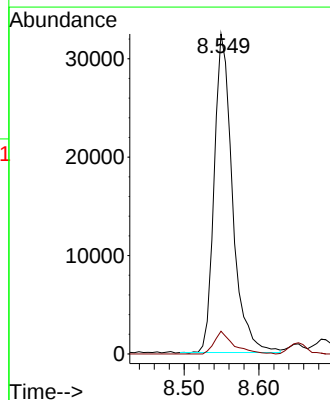
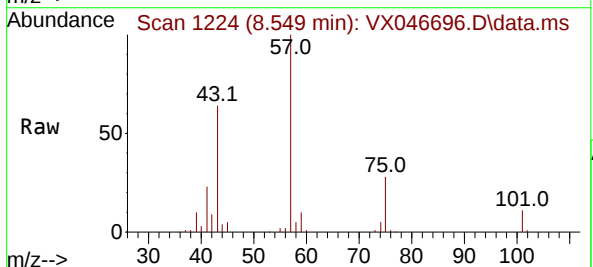
Acq: 13 Jun 2025 17:46

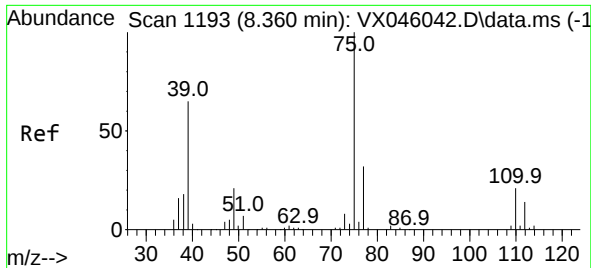
Tgt Ion: 43 Resp: 55035

Ion Ratio Lower Upper

43 100

58 7.4 28.9 43.3#

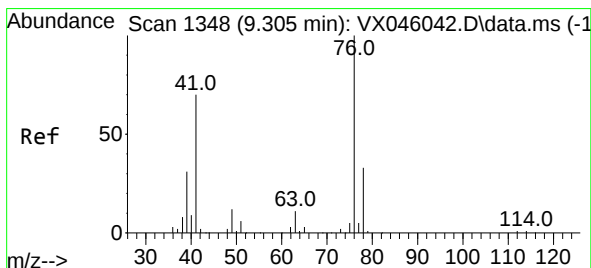
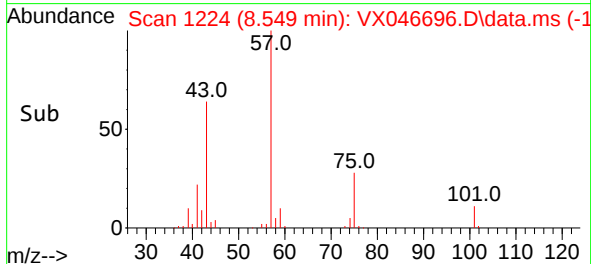
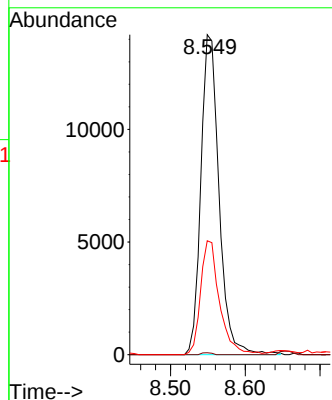
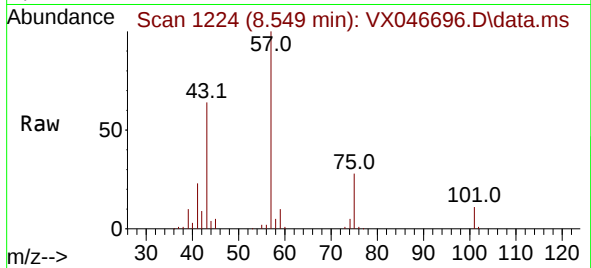




#54
 cis-1,3-Dichloropropene
 Concen: 11.782 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046696.D
 Acq: 13 Jun 2025 17:46

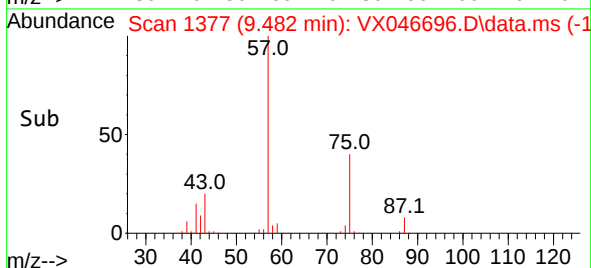
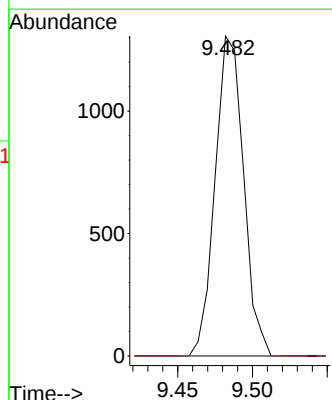
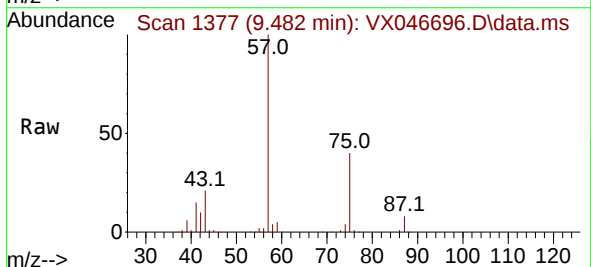
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

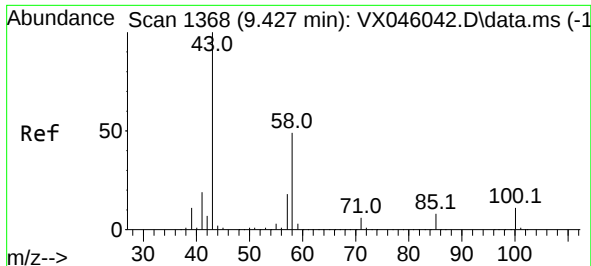
Tgt Ion: 75 Resp: 23941
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 35.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.777 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046696.D
 Acq: 13 Jun 2025 17:46

Tgt Ion: 76 Resp: 1730
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#





#59

2-Hexanone

Concen: 18.250 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

Instrument :

MSVOA_X

ClientSampleId :

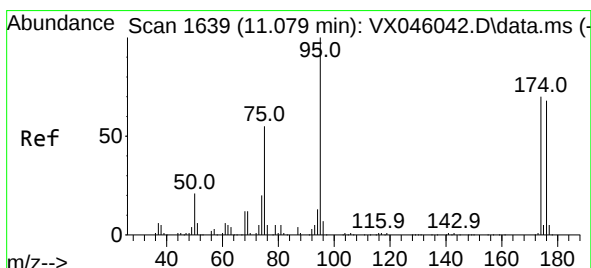
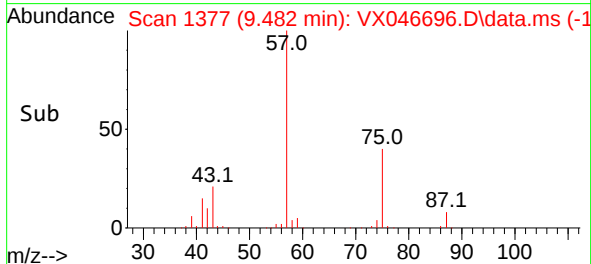
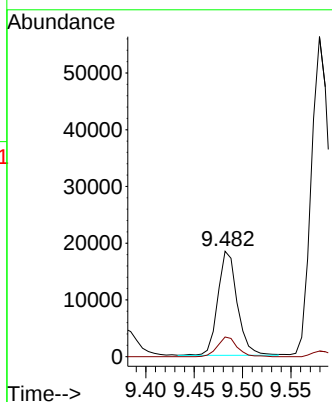
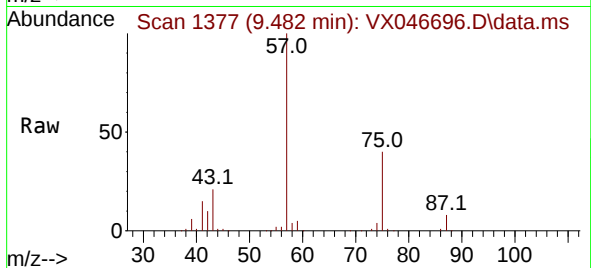
WC-6

Tgt Ion: 43 Resp: 25665

Ion Ratio Lower Upper

43 100

58 19.1 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 47.176 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046696.D

Acq: 13 Jun 2025 17:46

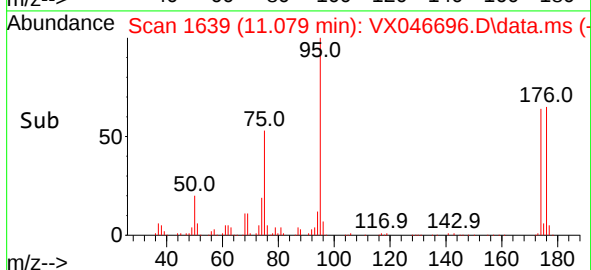
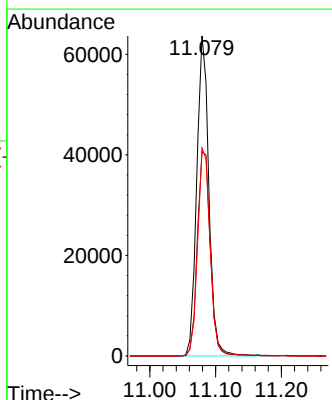
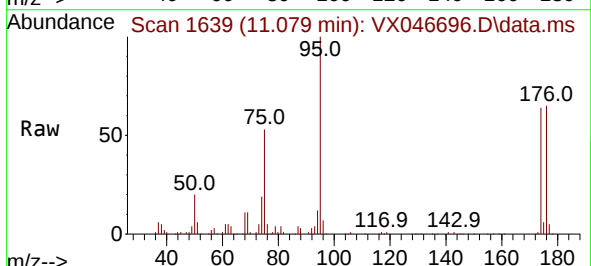
Tgt Ion: 95 Resp: 81700

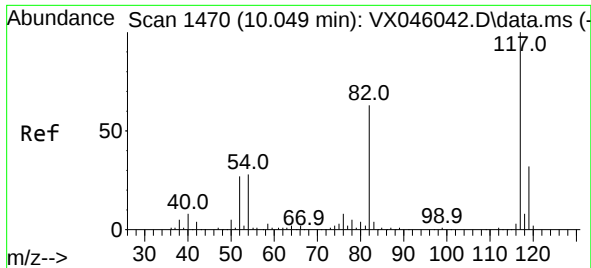
Ion Ratio Lower Upper

95 100

174 68.1 0.0 135.8

176 66.5 0.0 131.4

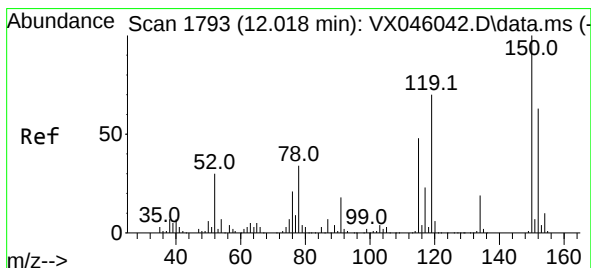
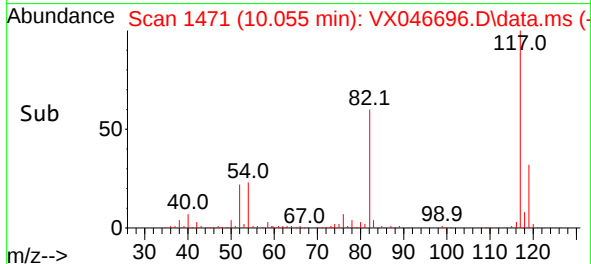
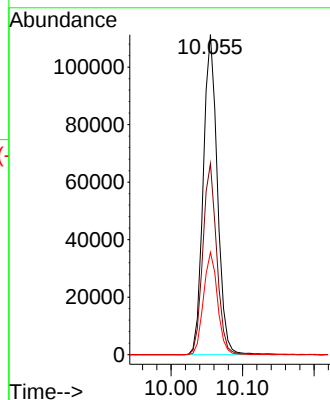
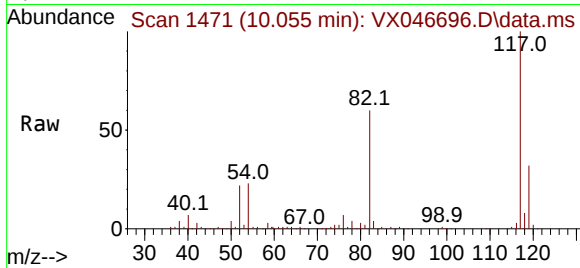




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

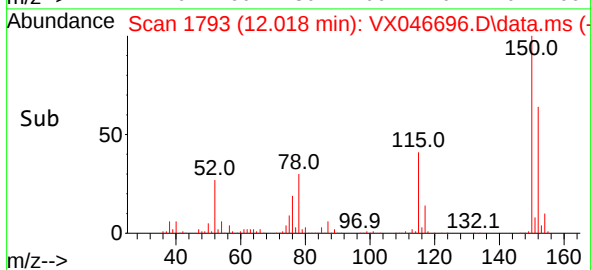
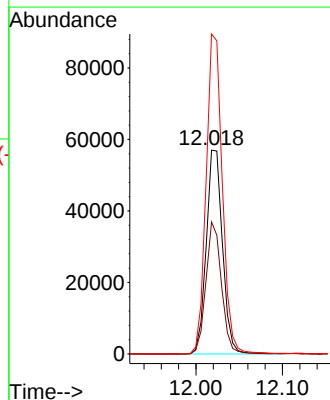
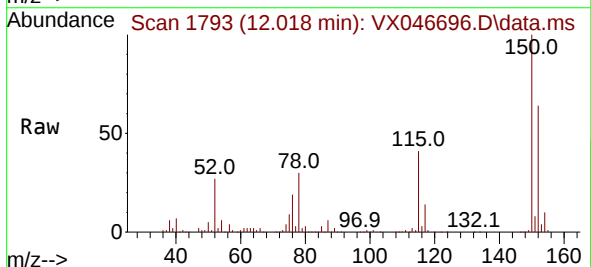
Instrument :
MSVOA_X
ClientSampleId :
WC-6

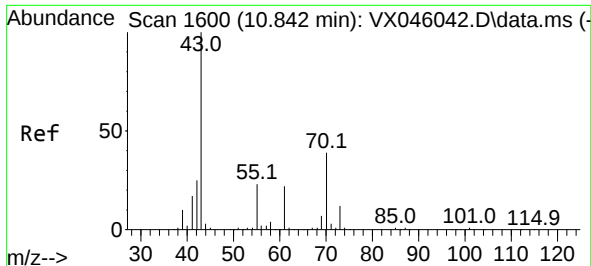
Tgt Ion:117 Resp: 152840
Ion Ratio Lower Upper
117 100
82 59.8 50.6 76.0
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion:152 Resp: 74468
Ion Ratio Lower Upper
152 100
115 62.0 46.9 140.7
150 156.6 0.0 351.0

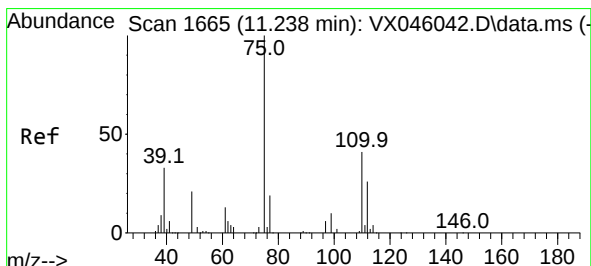
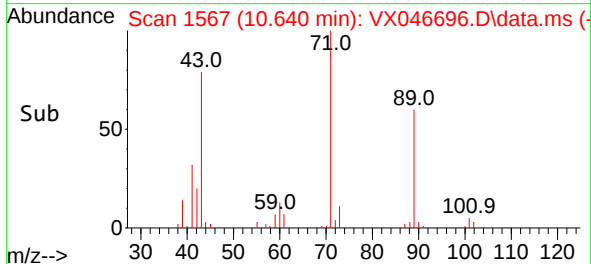
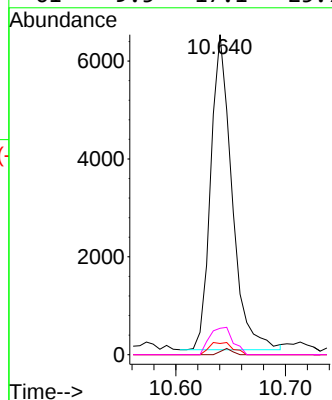
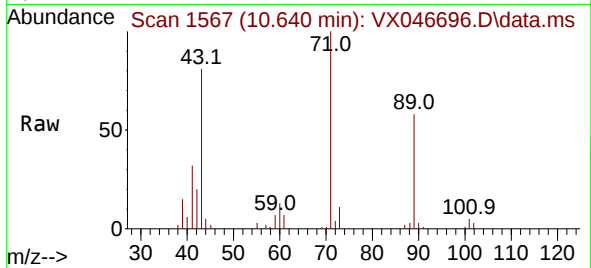




#74
N-amy1 acetate
Concen: 3.363 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

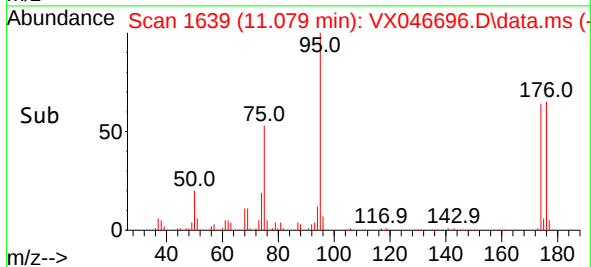
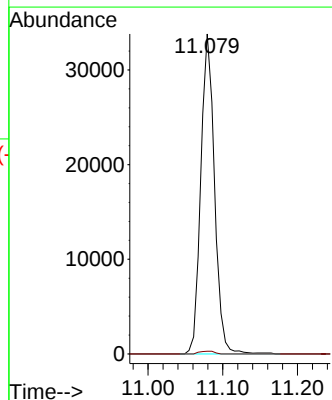
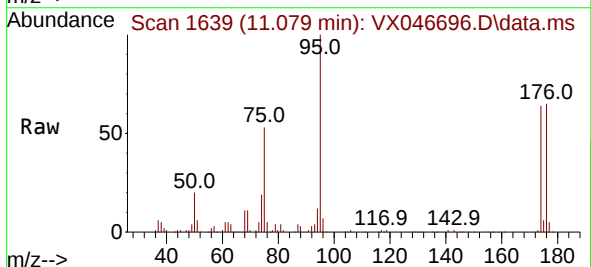
Instrument :
MSVOA_X
ClientSampleId :
WC-6

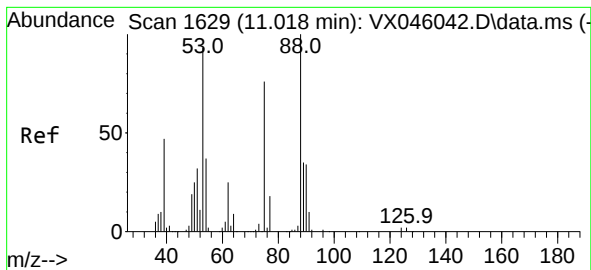
Tgt Ion:	43	Resp:	8670
Ion	Ratio	Lower	Upper
43	100		
70	1.0	30.9	46.3#
55	4.3	18.7	28.1#
61	9.5	17.1	25.7#



#76
1,2,3-Trichloropropane
Concen: 27.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046696.D
Acq: 13 Jun 2025 17:46

Tgt Ion:	75	Resp:	43093
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.5	61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.809 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046696.D
 Acq: 13 Jun 2025 17:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-6

Tgt Ion: 75 Resp: 43093
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

