

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046020.D
 Acq On : 02 May 2025 12:18
 Operator : JC/MD
 Sample : Q1917-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-JJ

Quant Time: May 02 23:13:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

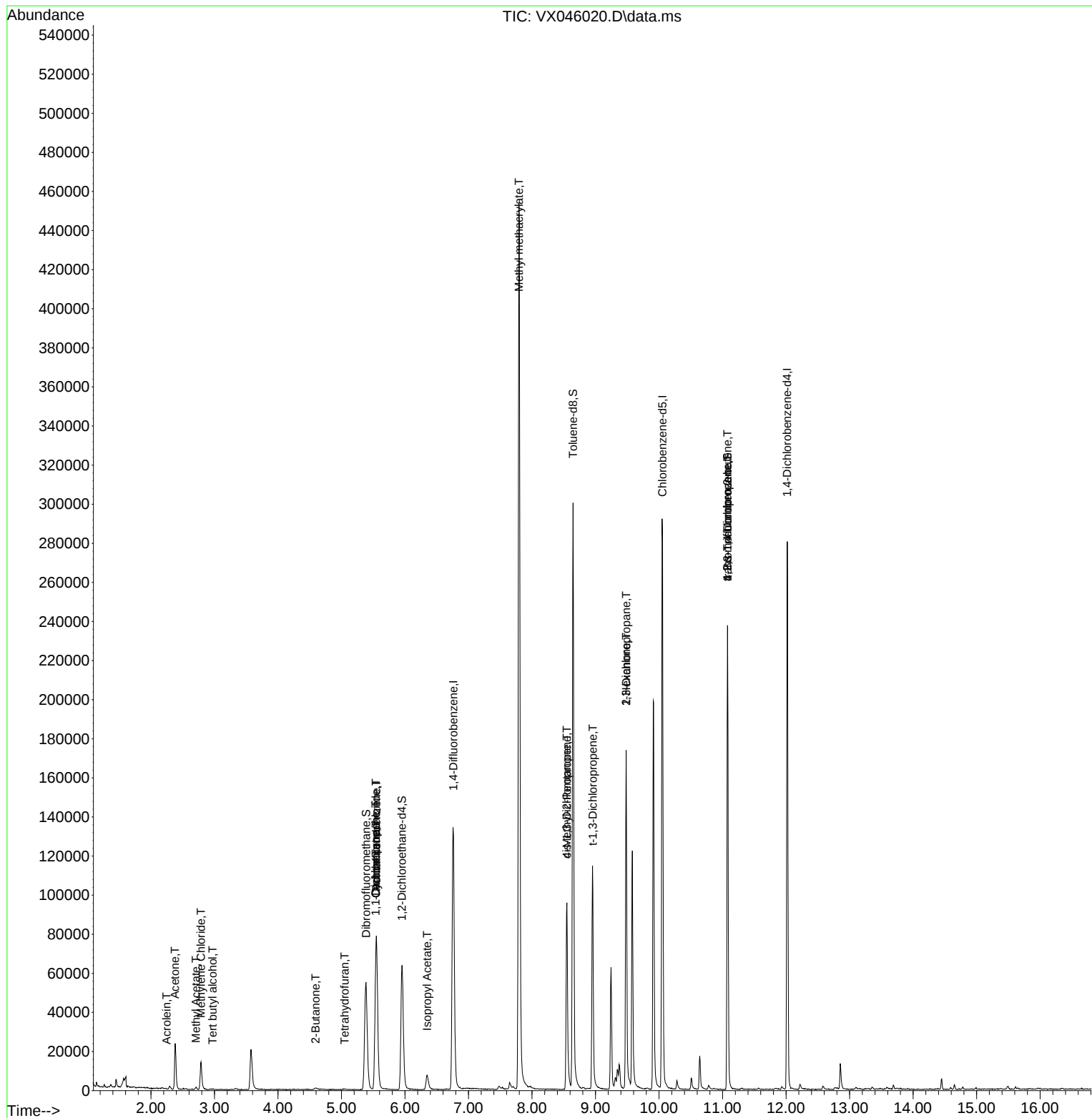
Internal Standards						
1) Pentafluorobenzene	5.549	168	67127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	131329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65935	53.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	5.385	113	48010	51.525	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.060%	
50) Toluene-d8	8.646	98	167286	51.437	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	11.079	95	62649	52.884	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	417	2.528	ug/l #	72
13) Acrolein	2.245	56	117	0.515	ug/l #	76
16) Acetone	2.379	43	25716	51.016	ug/l	98
18) Methyl Acetate	2.709	43	1646	1.418	ug/l #	86
20) Methylene Chloride	2.788	84	6239	6.611	ug/l	86
25) 2-Butanone	4.592	43	1679	2.275	ug/l #	87
29) Tetrahydrofuran	5.050	42	294	0.615	ug/l #	43
31) Cyclohexane	5.543	56	1948	1.294	ug/l #	27
36) 1,1-Dichloropropene	5.537	75	6561	5.215	ug/l #	50
38) Carbon Tetrachloride	5.543	117	7924	5.828	ug/l #	19
43) Isopropyl Acetate	6.348	43	11360	4.727	ug/l	98
48) Methyl methacrylate	7.793	41	45270	36.488	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	38342	24.070	ug/l #	48
53) t-1,3-Dichloropropene	8.957	75	187	2.415	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14725	10.662	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1461	0.906	ug/l #	42
59) 2-Hexanone	9.482	43	23347	19.792	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	36037	28.313	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36037	96.090	ug/l #	1

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

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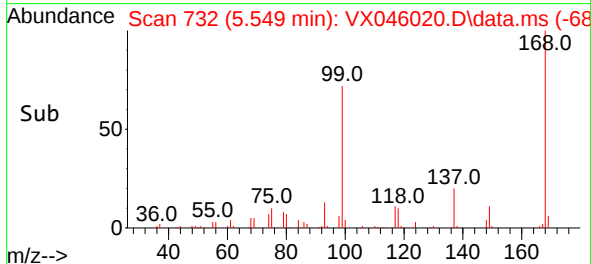
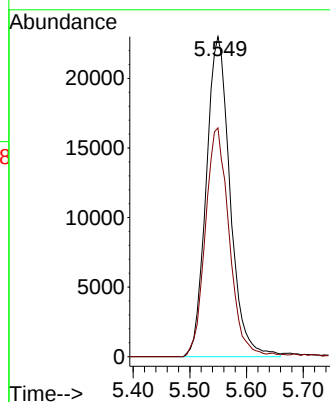
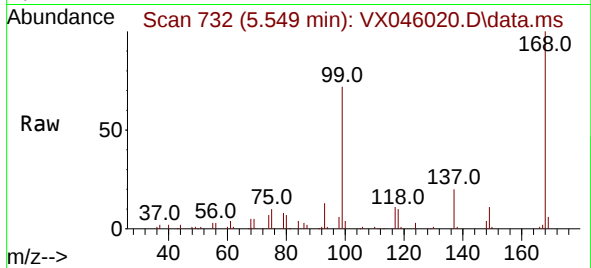




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

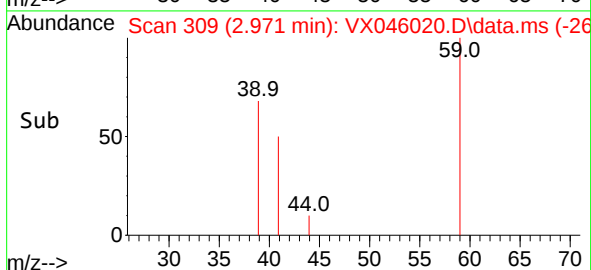
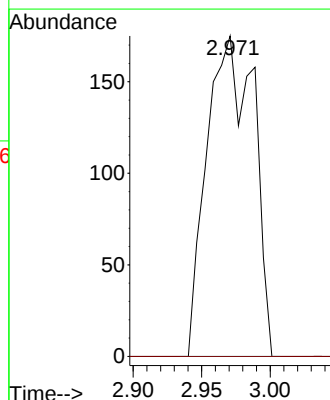
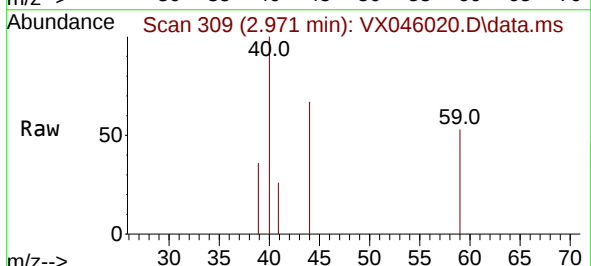
Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

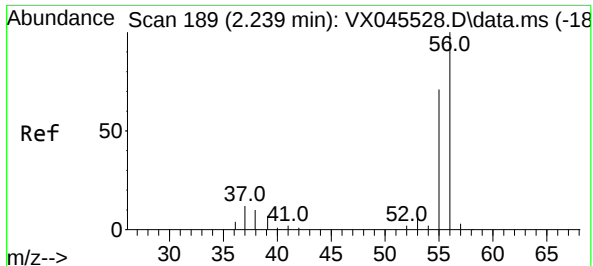
Tgt Ion:168 Resp: 67127
Ion Ratio Lower Upper
168 100
99 71.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.528 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.515 ug/l

RT: 2.245 min Scan# 117

Delta R.T. 0.006 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

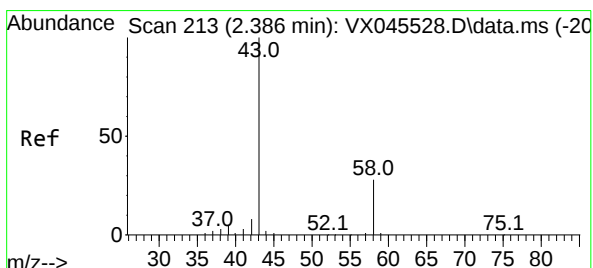
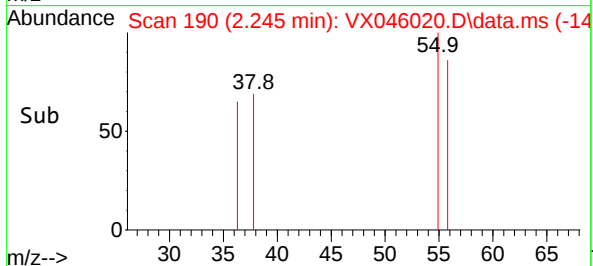
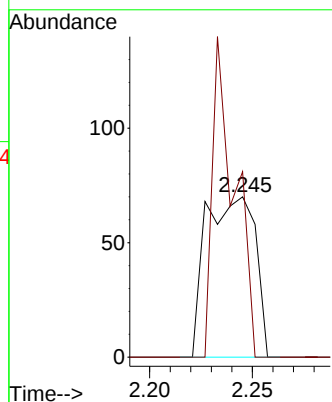
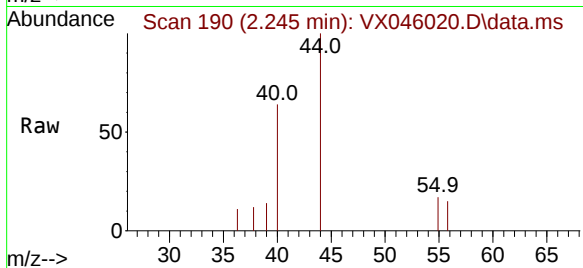
MH-JJ

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 89.7 56.2 84.2#



#16

Acetone

Concen: 51.016 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046020.D

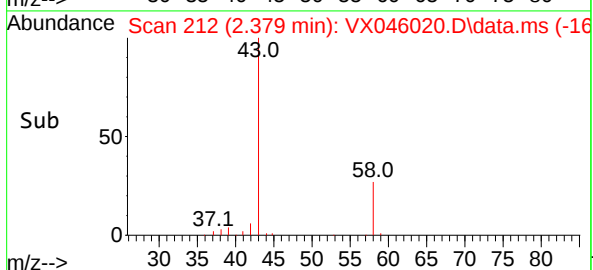
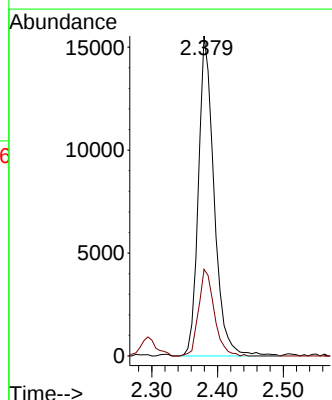
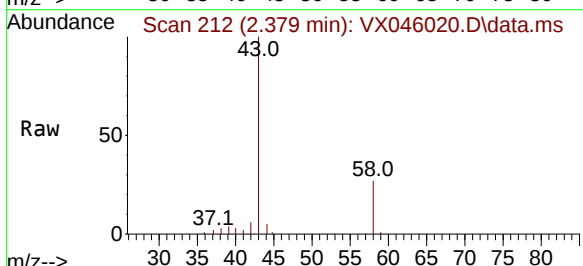
Acq: 02 May 2025 12:18

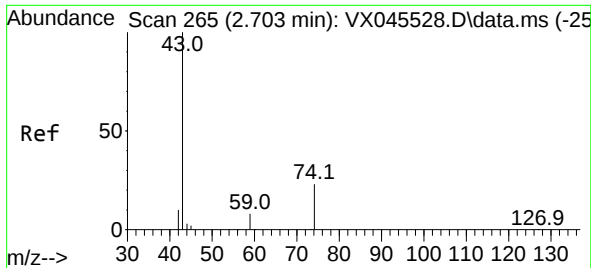
Tgt Ion: 43 Resp: 25716

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5





#18

Methyl Acetate

Concen: 1.418 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

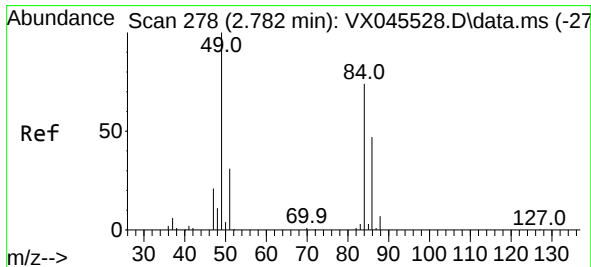
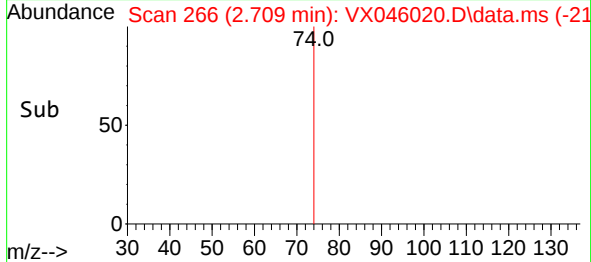
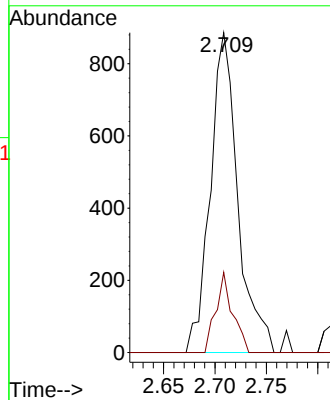
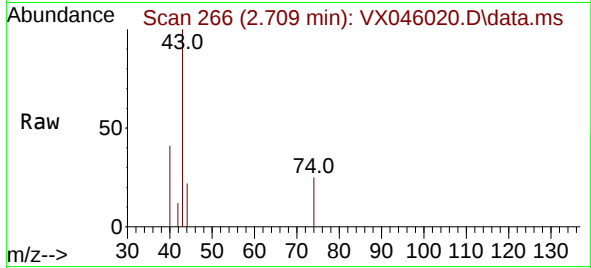
MH-JJ

Tgt Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

74 15.3 17.5 26.3#



#20

Methylene Chloride

Concen: 6.611 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

Tgt Ion: 84 Resp: 6239

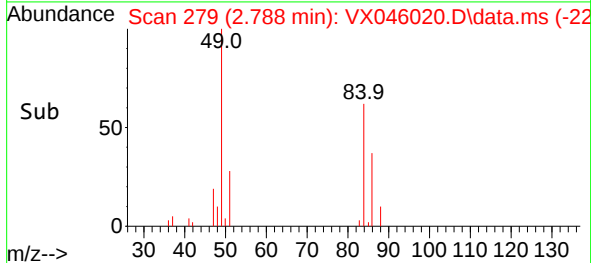
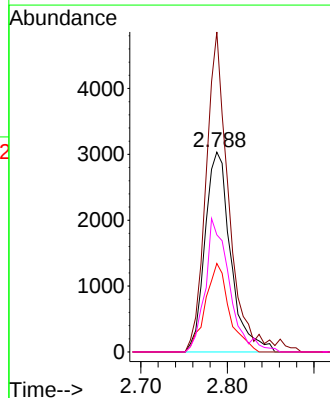
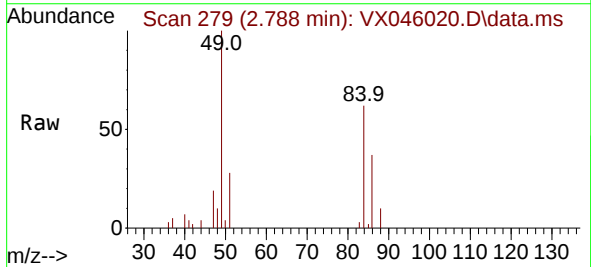
Ion Ratio Lower Upper

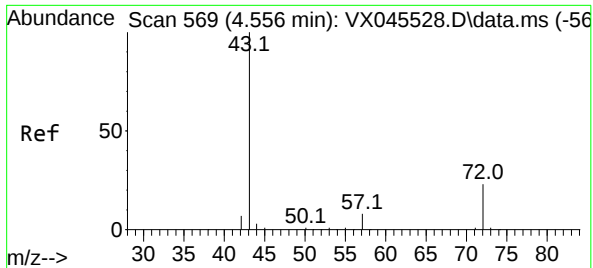
84 100

49 160.1 107.5 161.3

51 44.2 33.0 49.6

86 58.6 50.1 75.1





#25

2-Butanone

Concen: 2.275 ug/l

RT: 4.592 min Scan# 51

Delta R.T. 0.036 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

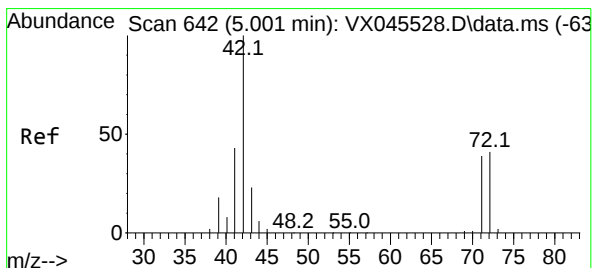
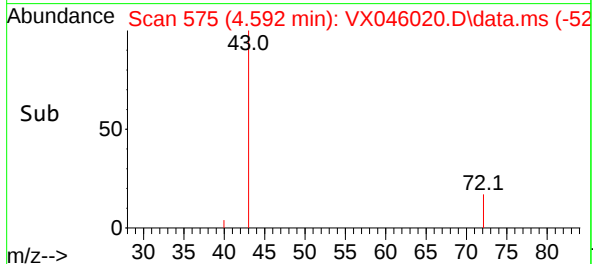
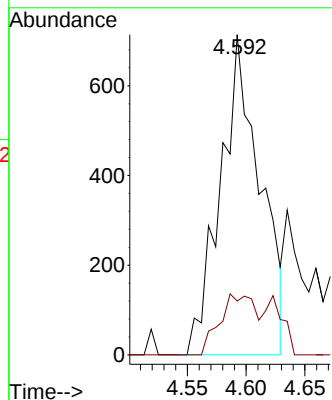
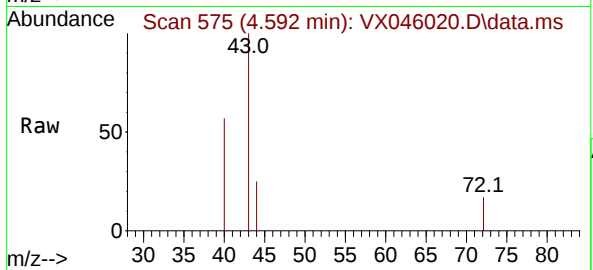
MH-JJ

Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

72 16.8 18.6 28.0#



#29

Tetrahydrofuran

Concen: 0.615 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.048 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

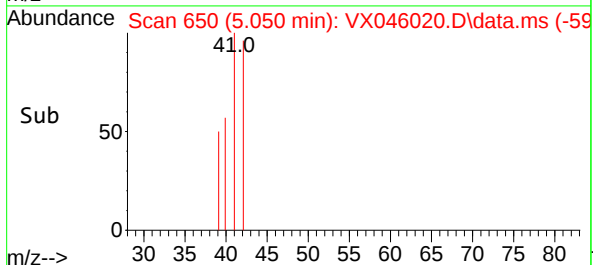
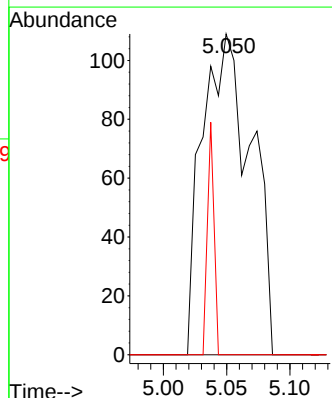
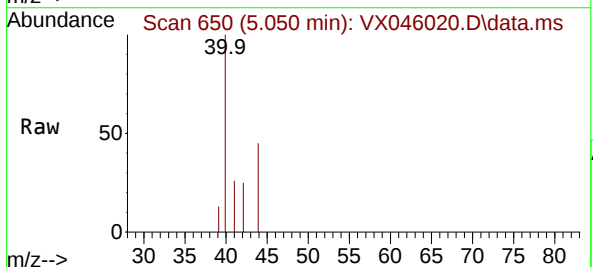
Tgt Ion: 42 Resp: 294

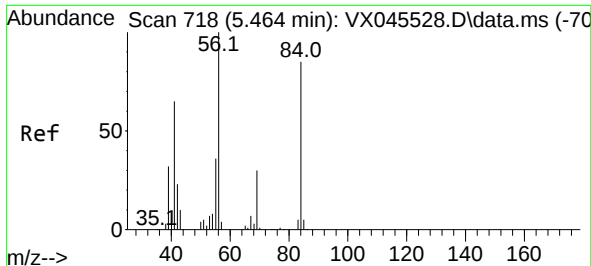
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

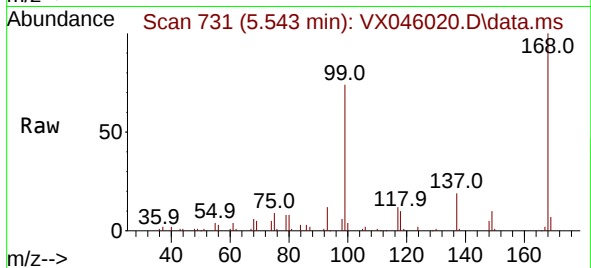
71 9.9 31.4 47.0#



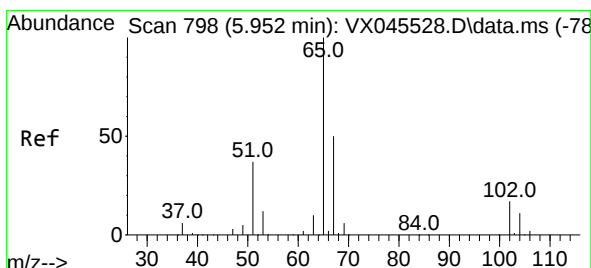
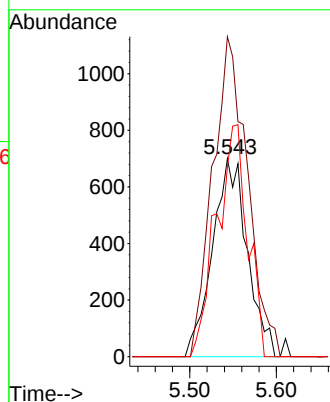
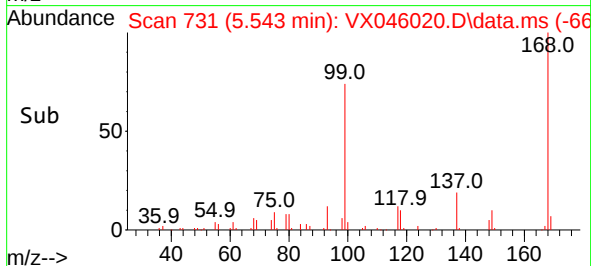


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

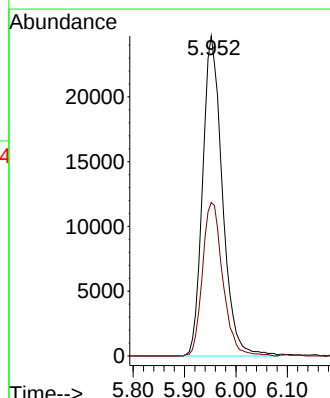
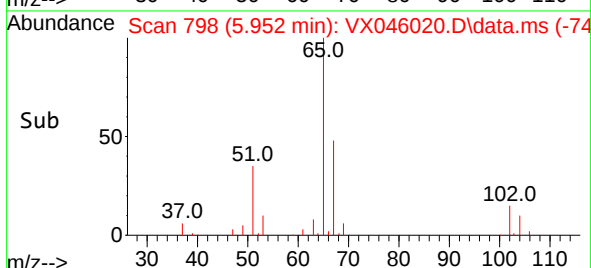
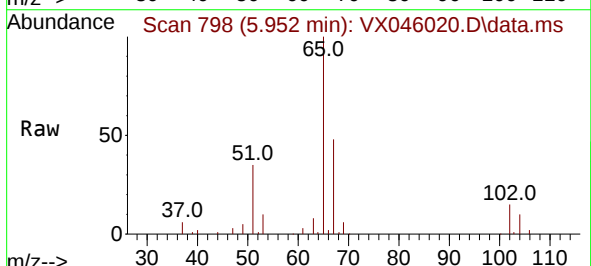


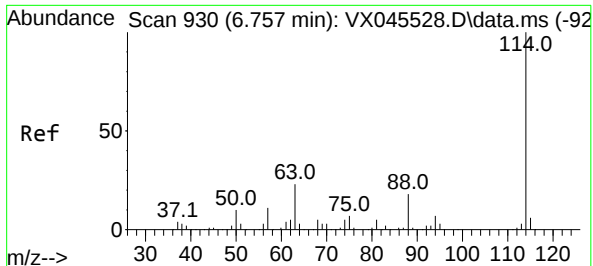
Tgt Ion: 56 Resp: 1948
Ion Ratio Lower Upper
56 100
69 161.6 23.6 35.4#
84 96.0 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.711 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 65 Resp: 65935
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

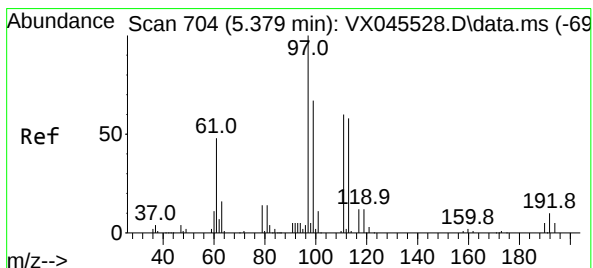
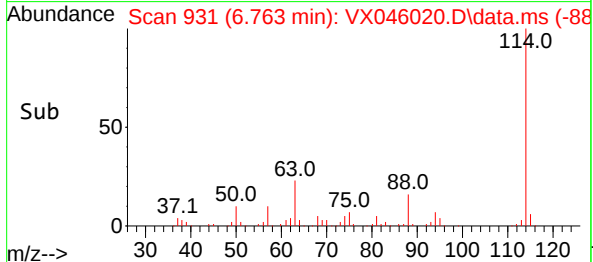
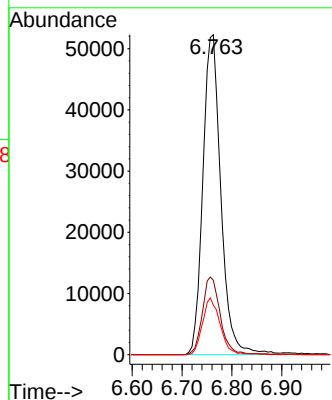
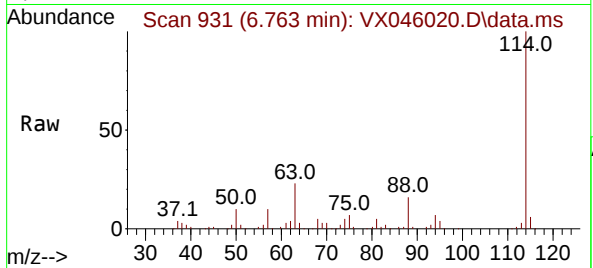




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

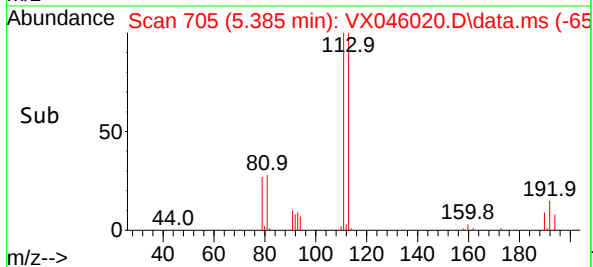
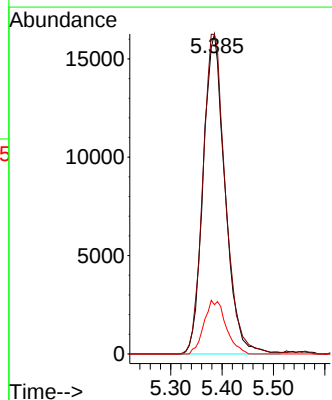
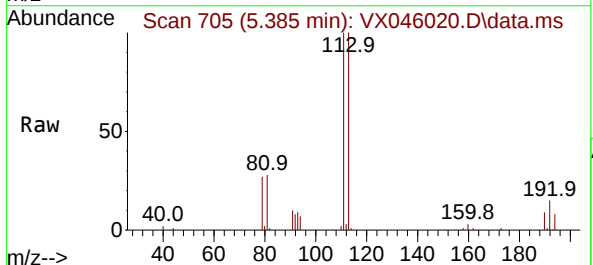
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-JJ

Tgt Ion:114 Resp: 131329
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.8
 88 15.5 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 51.525 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

Tgt Ion:113 Resp: 48010
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.6
 192 16.9 13.8 20.6

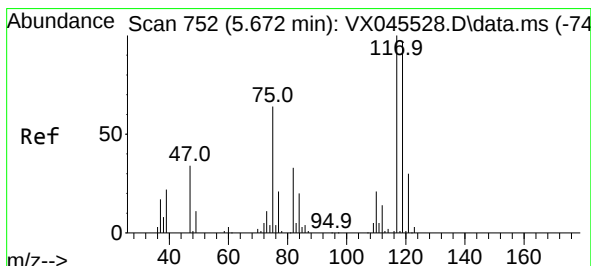
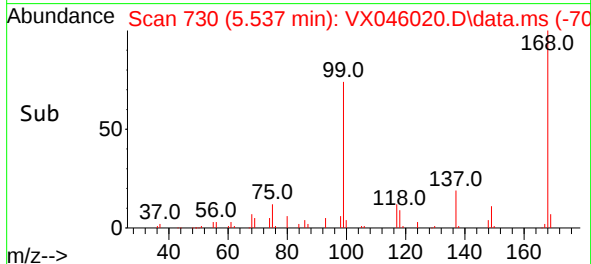
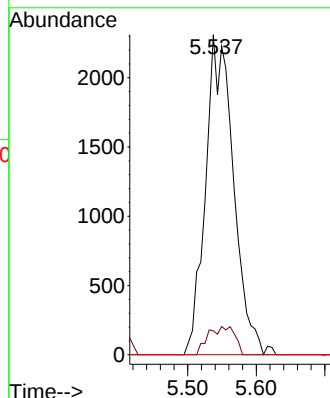
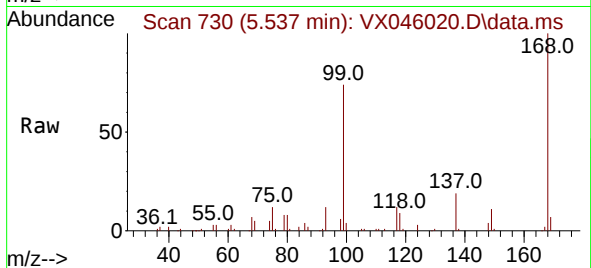




#36
1,1-Dichloropropene
Concen: 5.215 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

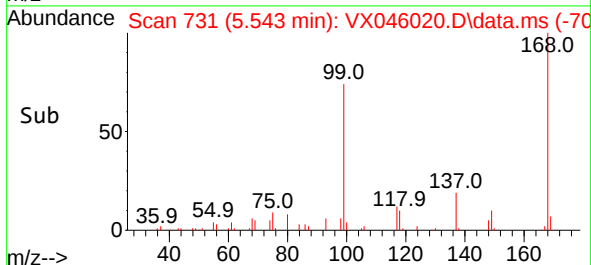
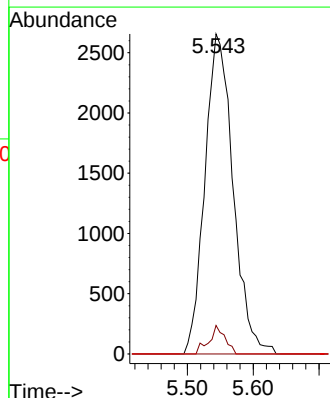
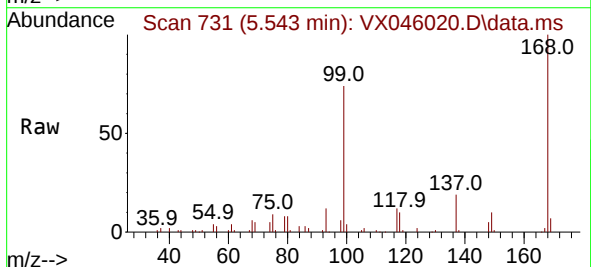
Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

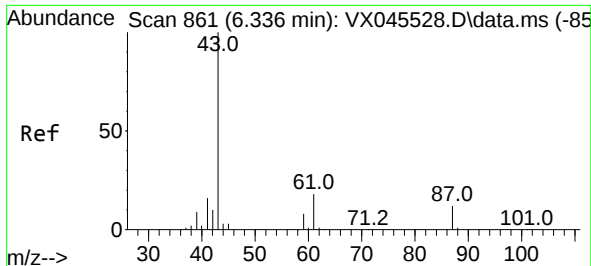
Tgt Ion: 75 Resp: 6561
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 117 Resp: 7924
Ion Ratio Lower Upper
117 100
119 8.9 76.9 115.3#
121 0.0 24.2 36.2#

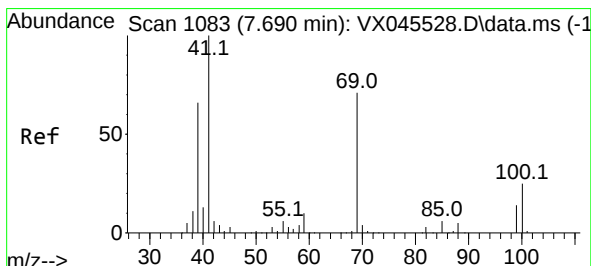
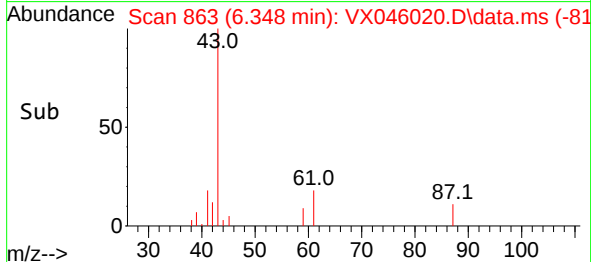
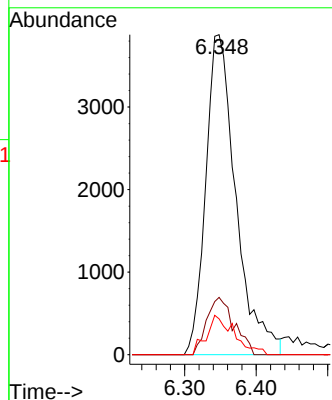
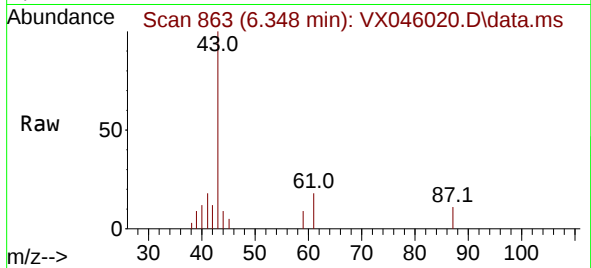




#43
Isopropyl Acetate
Concen: 4.727 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

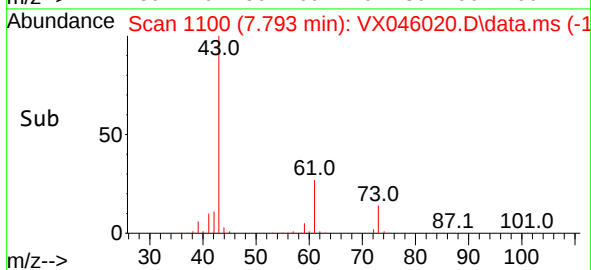
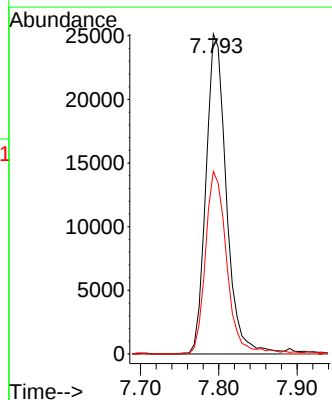
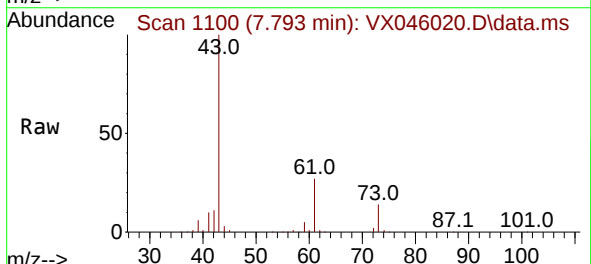
Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

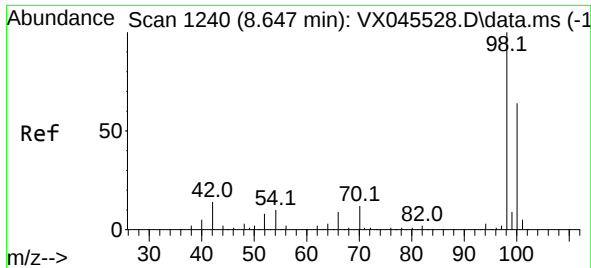
Tgt Ion: 43 Resp: 11360
Ion Ratio Lower Upper
43 100
61 16.3 14.1 21.1
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 36.488 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 41 Resp: 45270
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.3 53.6 80.4

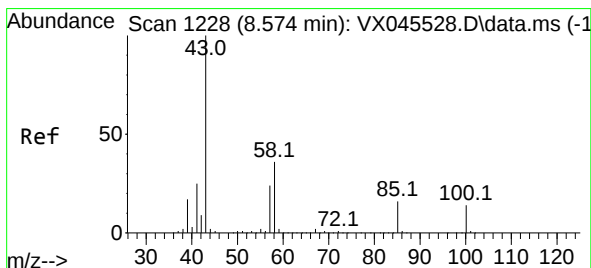
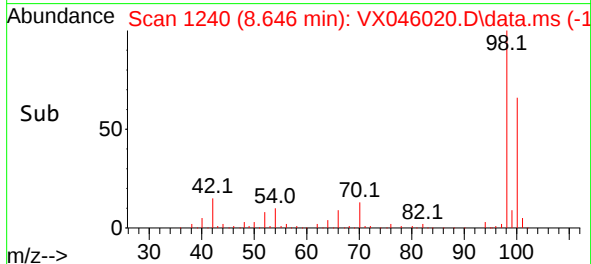
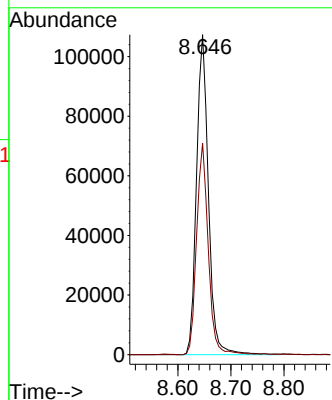
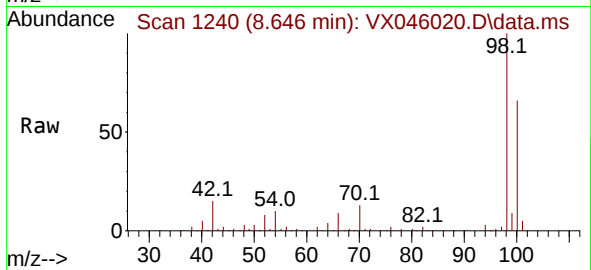




#50
Toluene-d8
Concen: 51.437 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

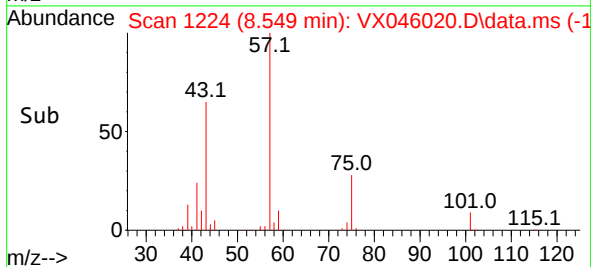
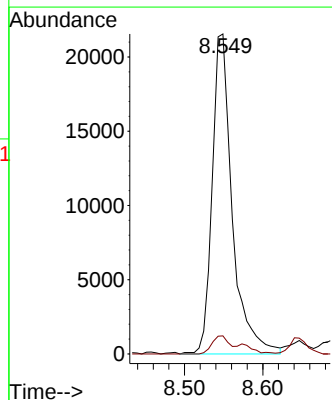
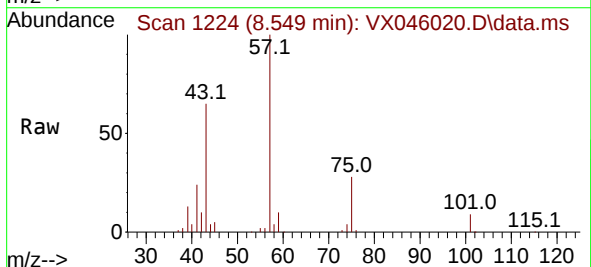
Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

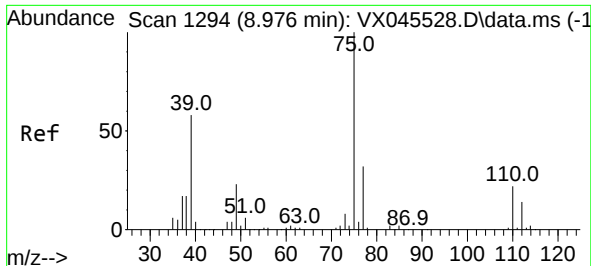
Tgt Ion: 98 Resp: 167286
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.070 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 43 Resp: 38342
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#

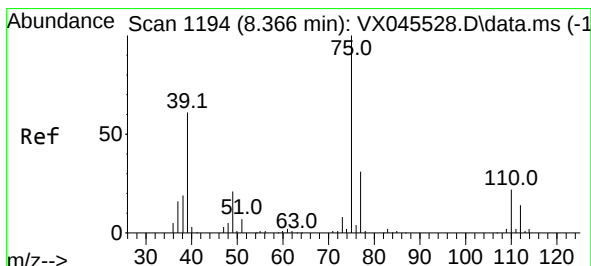
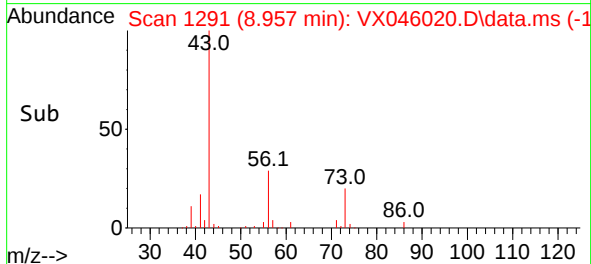
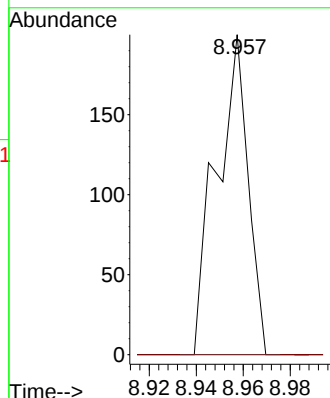
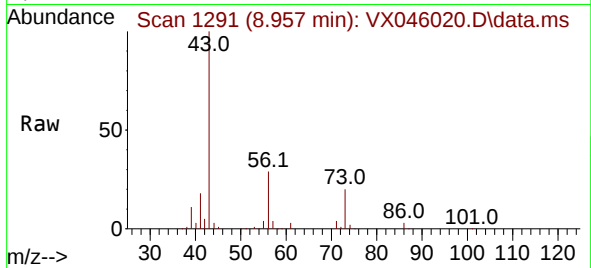




#53
 t-1,3-Dichloropropene
 Concen: 2.415 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

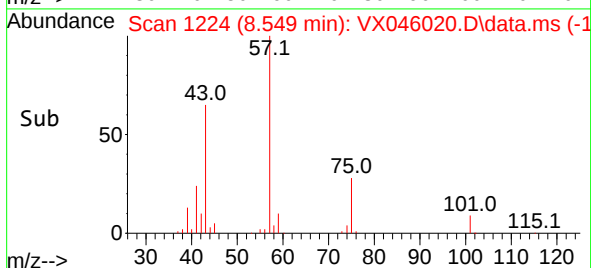
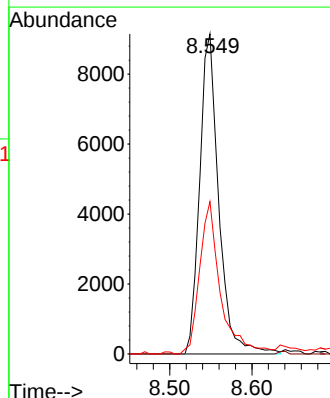
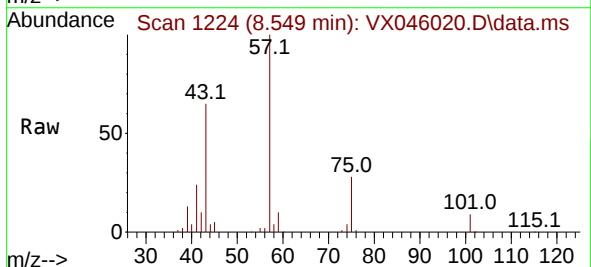
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-JJ

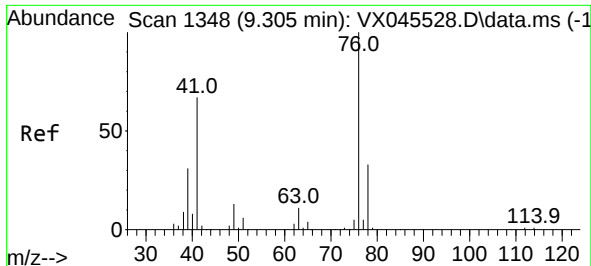
Tgt Ion: 75 Resp: 187
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.662 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

Tgt Ion: 75 Resp: 14725
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.6 48.4 72.6#

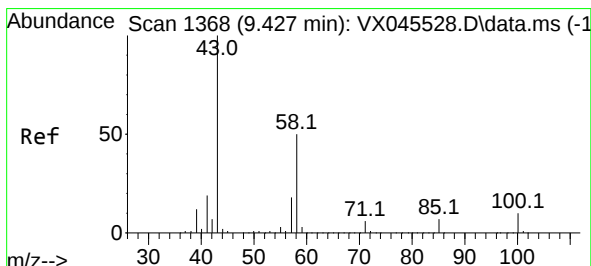
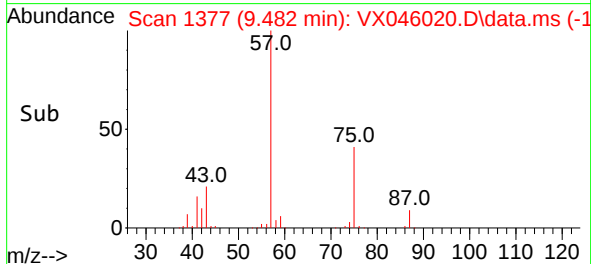
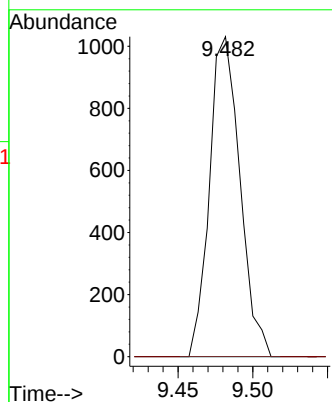
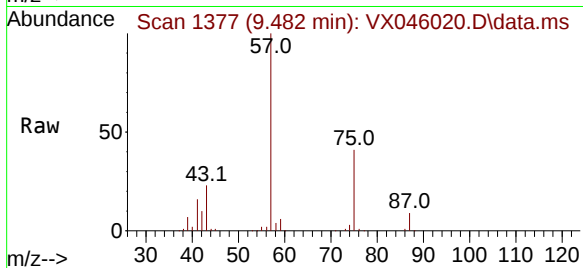




#57
1,3-Dichloropropane
Concen: 0.906 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

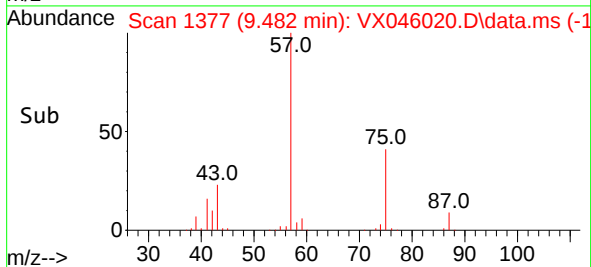
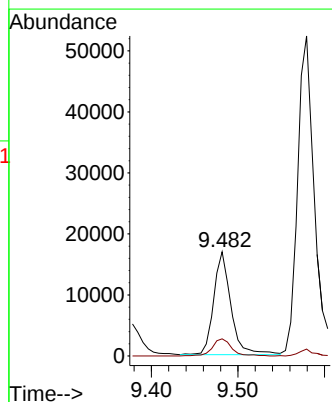
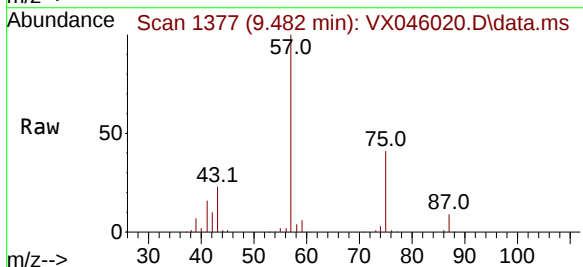
Instrument :
MSVOA_X
ClientSampleId :
MH-JJ

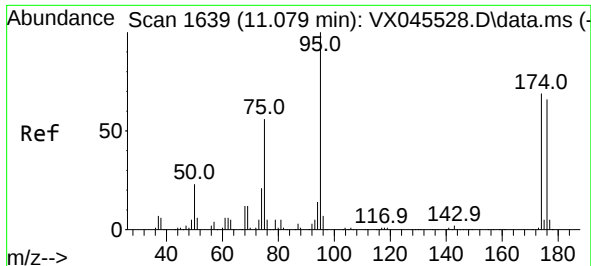
Tgt Ion: 76 Resp: 1461
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 19.792 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX046020.D
Acq: 02 May 2025 12:18

Tgt Ion: 43 Resp: 23347
Ion Ratio Lower Upper
43 100
58 18.6 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 52.884 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

MH-JJ

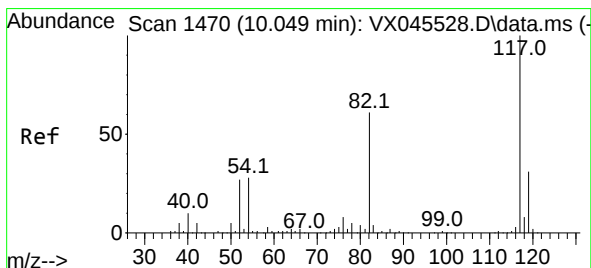
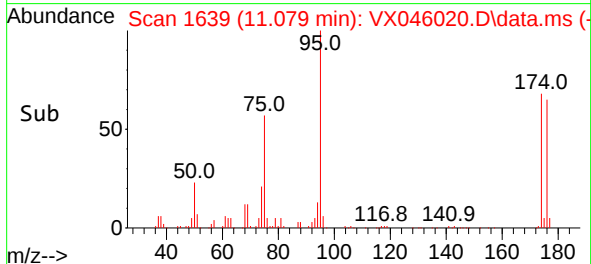
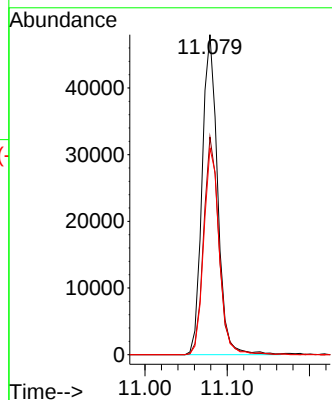
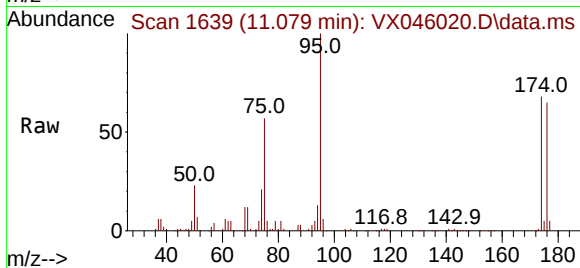
Tgt Ion: 95 Resp: 62649

Ion Ratio Lower Upper

95 100

174 67.1 0.0 135.8

176 65.1 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX046020.D

Acq: 02 May 2025 12:18

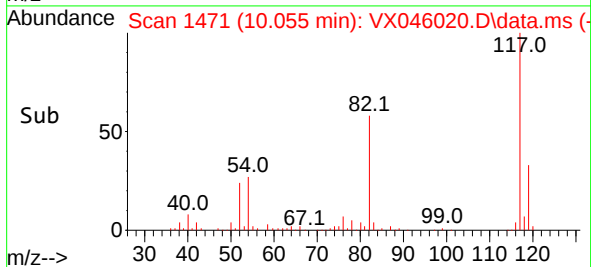
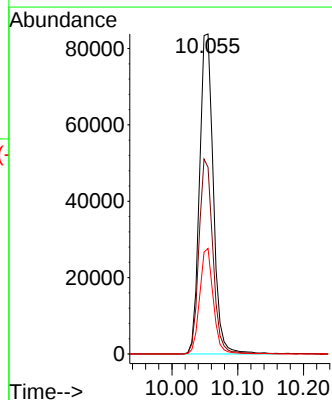
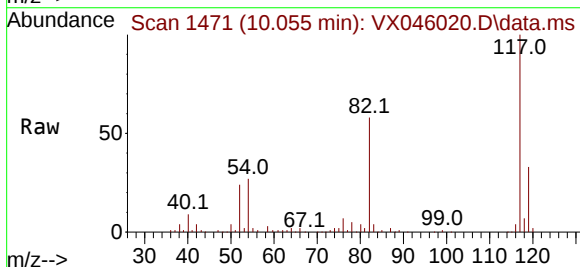
Tgt Ion: 117 Resp: 122172

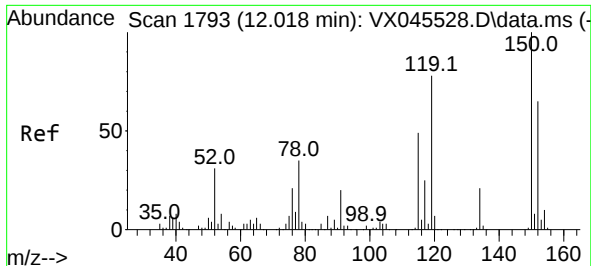
Ion Ratio Lower Upper

117 100

82 58.3 49.2 73.8

119 33.0 25.1 37.7

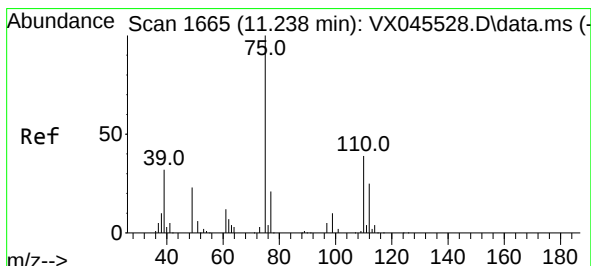
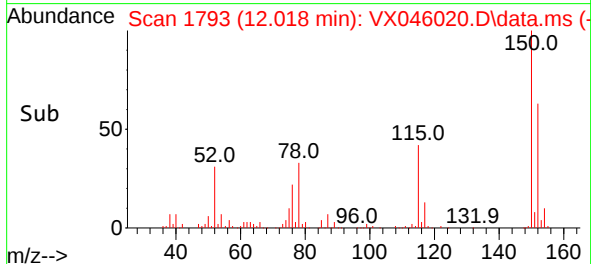
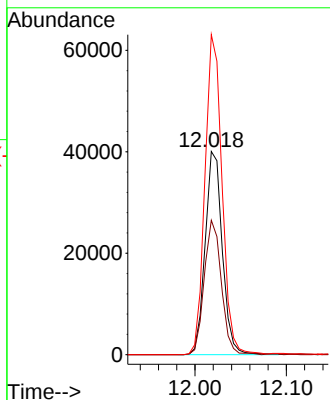
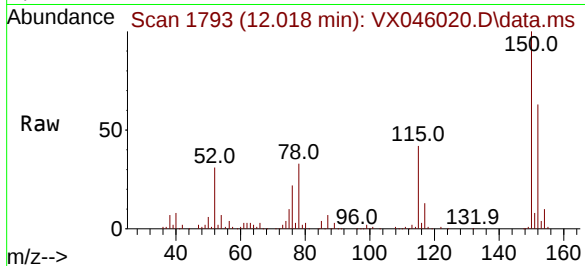




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

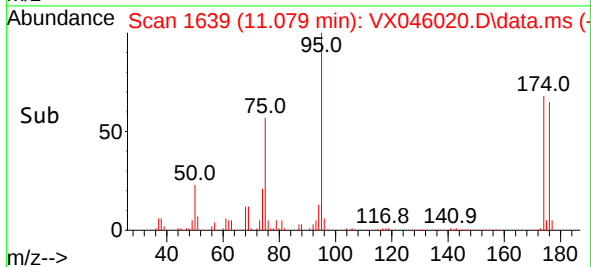
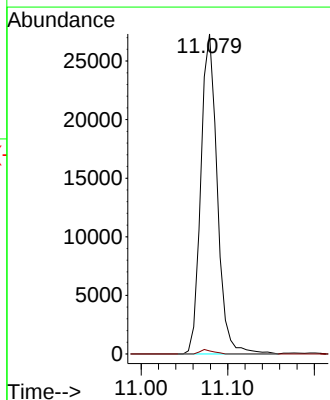
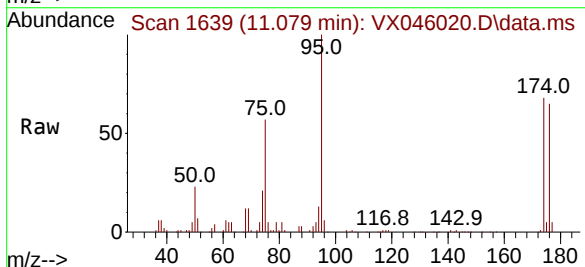
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-JJ

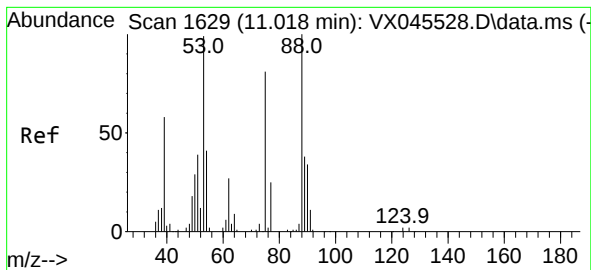
Tgt Ion:152 Resp: 52181
 Ion Ratio Lower Upper
 152 100
 115 65.7 46.9 140.7
 150 156.3 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.313 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

Tgt Ion: 75 Resp: 36037
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.090 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046020.D
 Acq: 02 May 2025 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-JJ

Tgt Ion: 75 Resp: 36037
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

