

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046575.D
 Acq On : 09 Jun 2025 13:41
 Operator : JC/MD
 Sample : Q2241-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-S

Quant Time: Jun 10 01:42:48 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

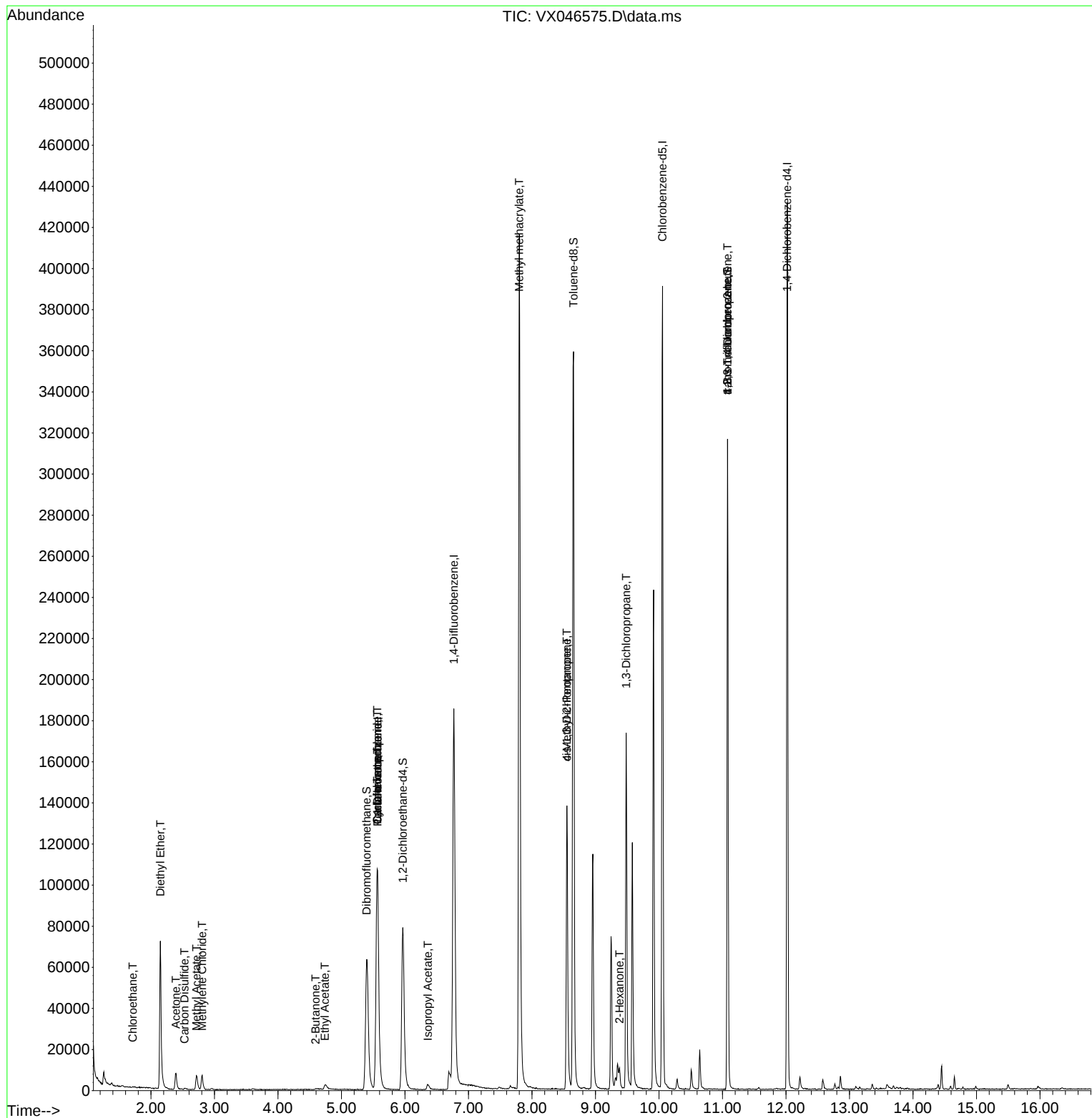
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	100767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	182971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	83596	46.630	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.260%
35) Dibromofluoromethane	5.397	113	60238	44.768	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.540%
50) Toluene-d8	8.653	98	215447	48.566	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.140%
62) 4-Bromofluorobenzene	11.079	95	84746	46.172	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.340%
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	214	0.260	ug/l #	44
8) Diethyl Ether	2.148	74	27704	37.334	ug/l	91
16) Acetone	2.392	43	10958	19.874	ug/l	97
17) Carbon Disulfide	2.526	76	82	0.235	ug/l #	76
18) Methyl Acetate	2.715	43	10141	4.749	ug/l	99
20) Methylene Chloride	2.806	84	3001	2.087	ug/l #	87
25) 2-Butanone	4.593	43	362	0.363	ug/l	97
31) Cyclohexane	5.562	56	2482	1.191	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	9632	5.011	ug/l #	50
37) Ethyl Acetate	4.739	43	5591	2.980	ug/l #	88
38) Carbon Tetrachloride	5.562	117	11765	5.465	ug/l #	16
43) Isopropyl Acetate	6.361	43	3466	1.060	ug/l	96
48) Methyl methacrylate	7.799	41	41048	24.395	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	52501	25.263	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22082	10.253	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1571	0.666	ug/l #	42
59) 2-Hexanone	9.378	43	6520	4.375	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	45867	26.803	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	45867	77.316	ug/l #	1

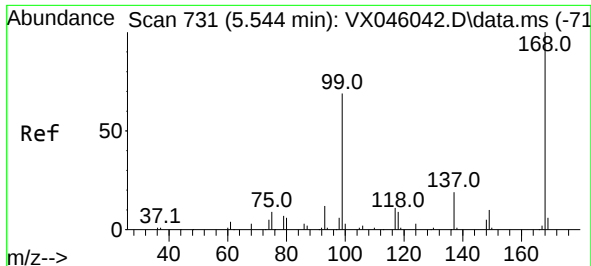
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

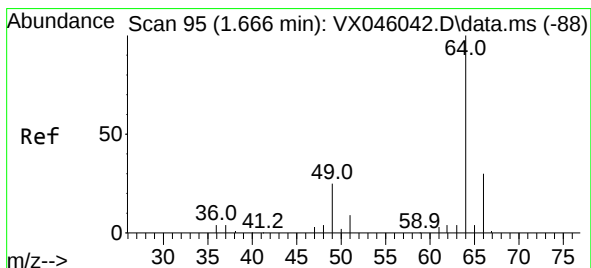
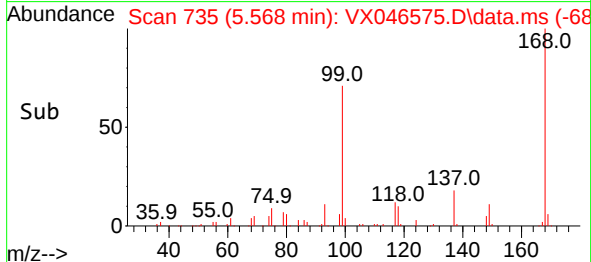
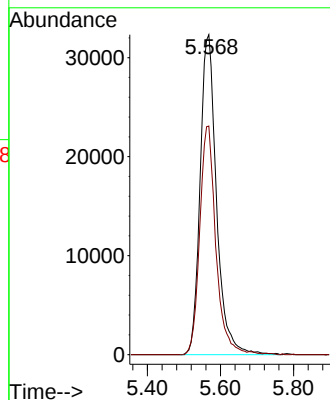
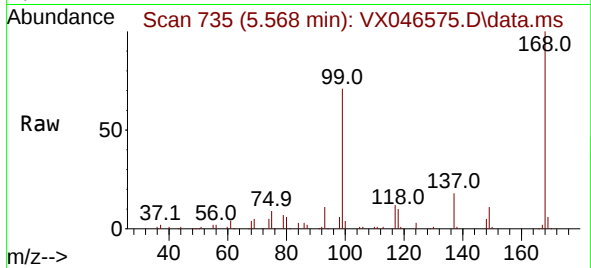




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

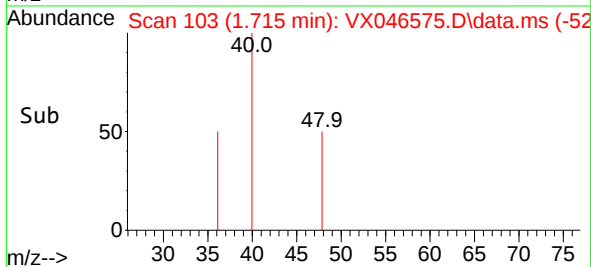
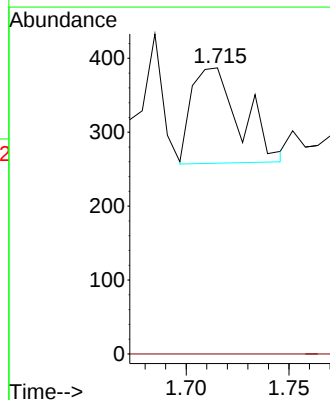
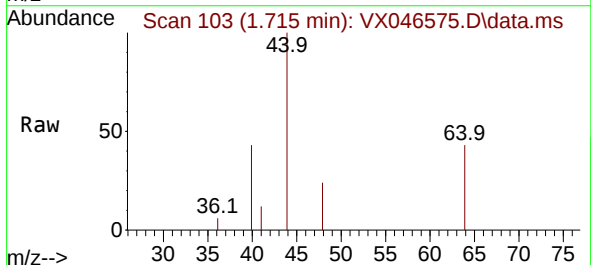
Instrument :
MSVOA_X
ClientSampleId :
TP-S

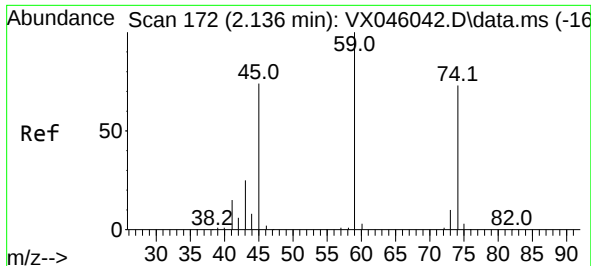
Tgt Ion:168 Resp: 100767
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3



#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.012 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

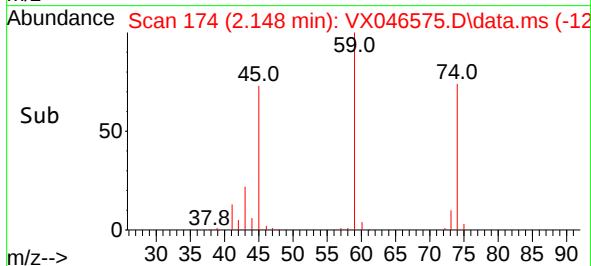
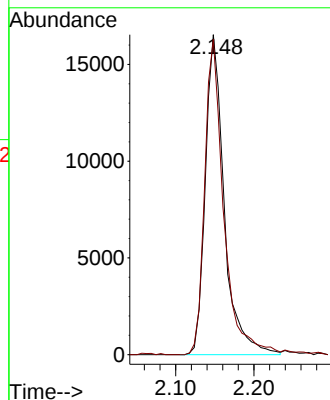
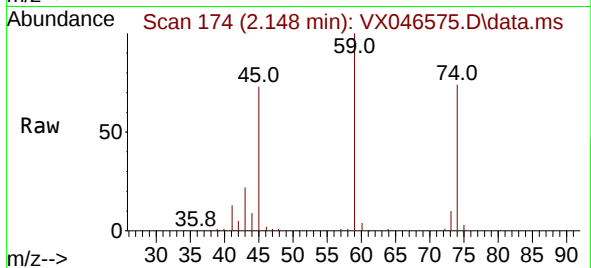




#8
Diethyl Ether
Concen: 37.334 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

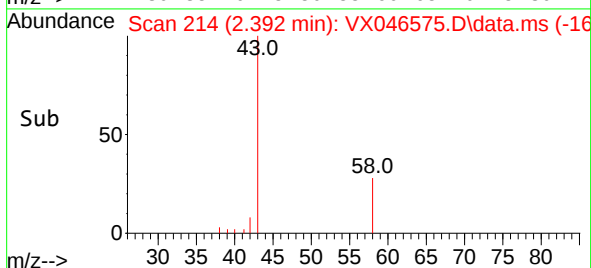
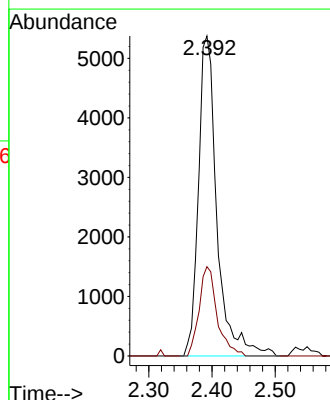
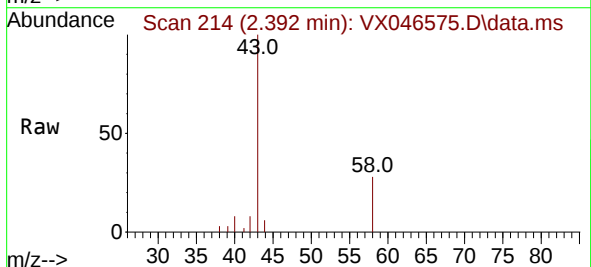
Instrument :
MSVOA_X
ClientSampleId :
TP-S

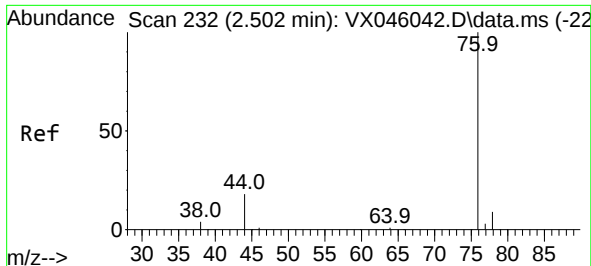
Tgt Ion: 74 Resp: 27704
Ion Ratio Lower Upper
74 100
45 100.2 54.9 164.8



#16
Acetone
Concen: 19.874 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 43 Resp: 10958
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8

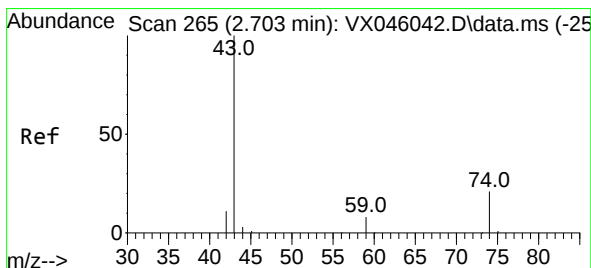
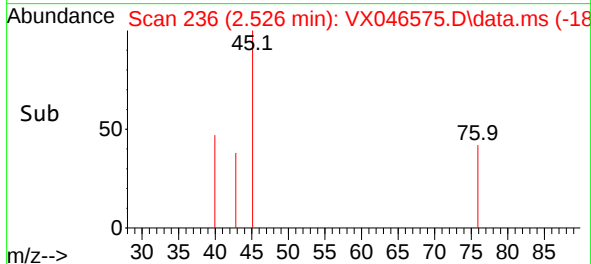
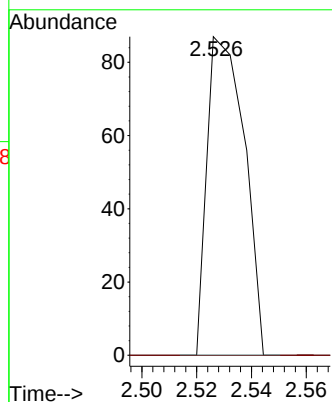
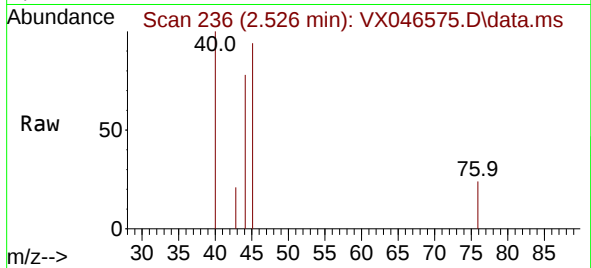




#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

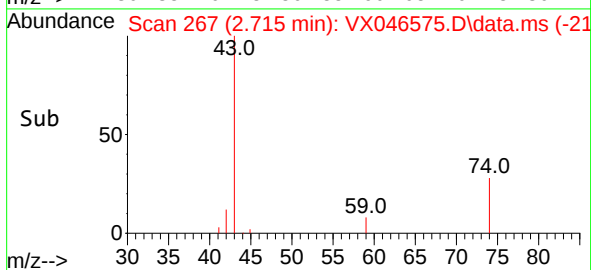
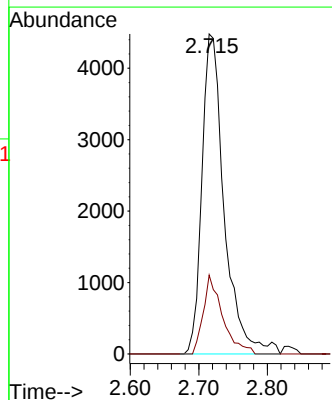
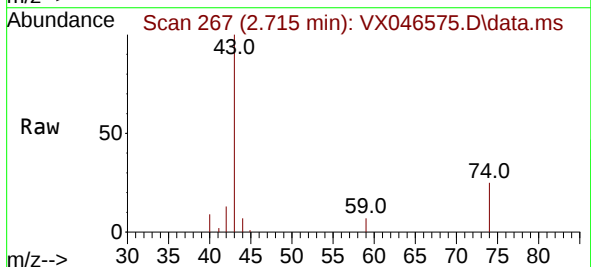
Instrument :
MSVOA_X
ClientSampleId :
TP-S

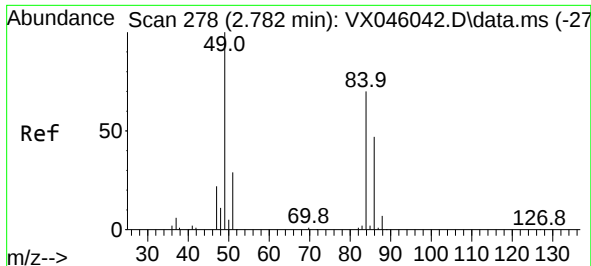
Tgt Ion: 76 Resp: 82
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 4.749 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 43 Resp: 10141
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1

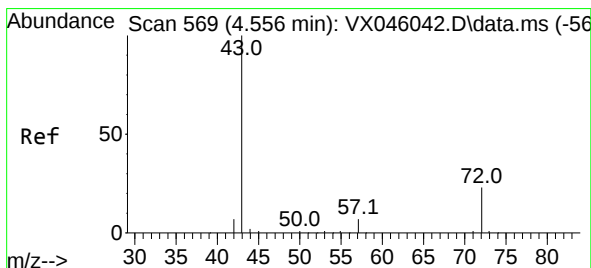
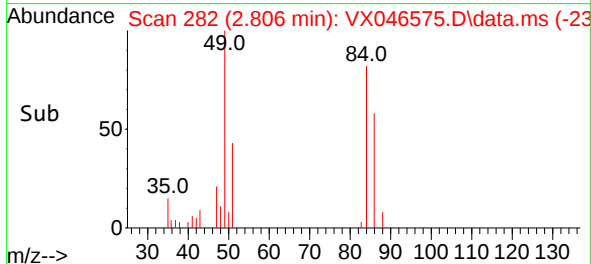
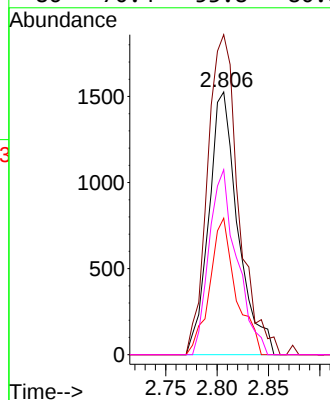
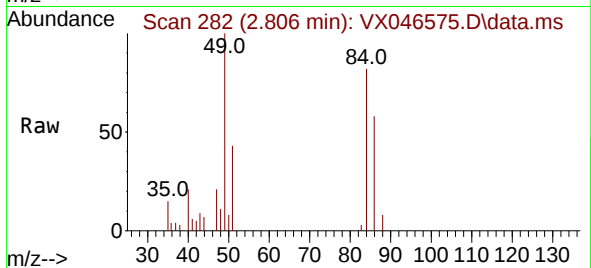




#20
Methylene Chloride
Concen: 2.087 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

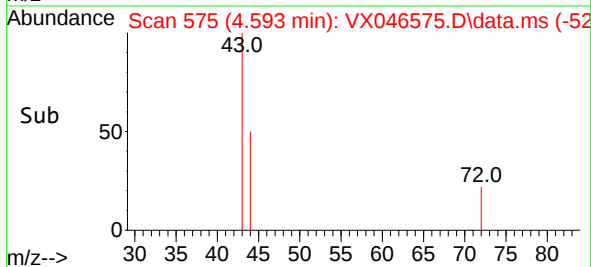
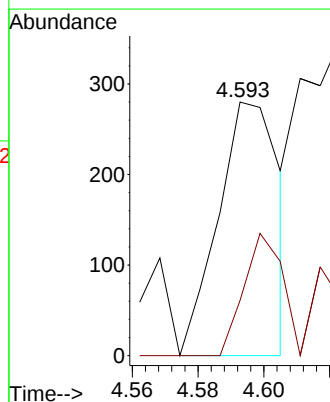
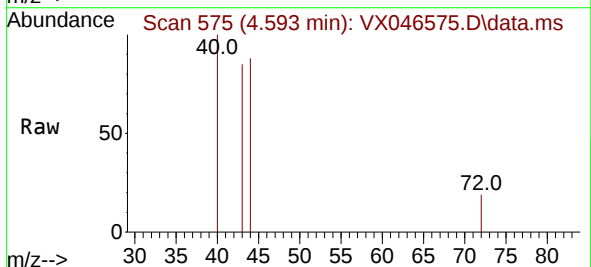
Instrument :
MSVOA_X
ClientSampleId :
TP-S

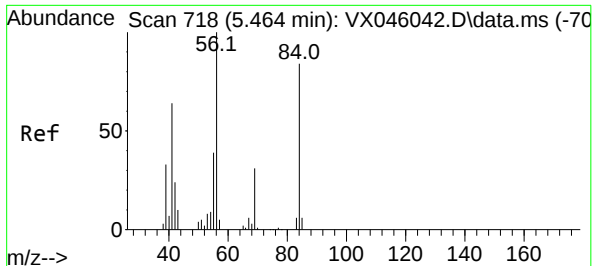
Tgt Ion:	84	Resp:	3001
Ion	Ratio	Lower	Upper
84	100		
49	121.8	113.9	170.9
51	52.0	33.5	50.3#
86	70.4	53.8	80.8



#25
2-Butanone
Concen: 0.363 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.019 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion:	43	Resp:	362
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

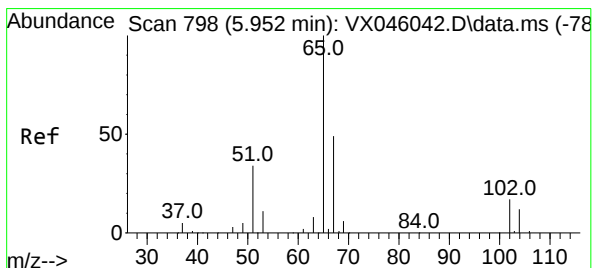
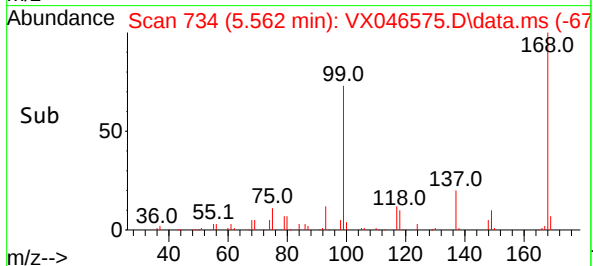
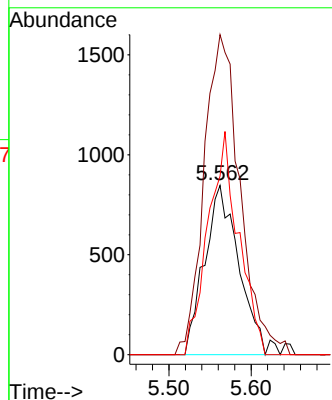
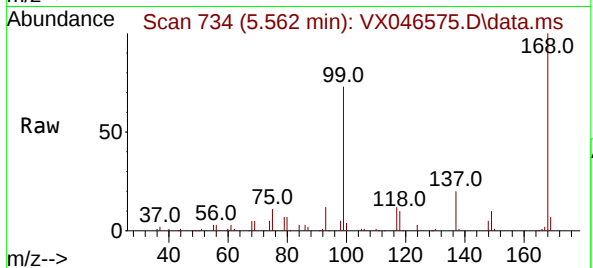




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

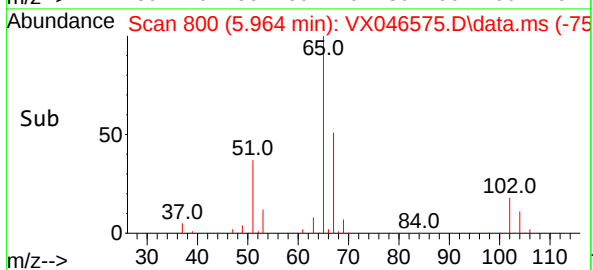
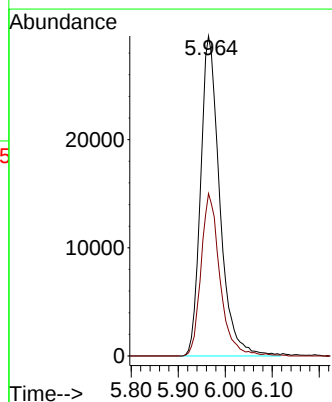
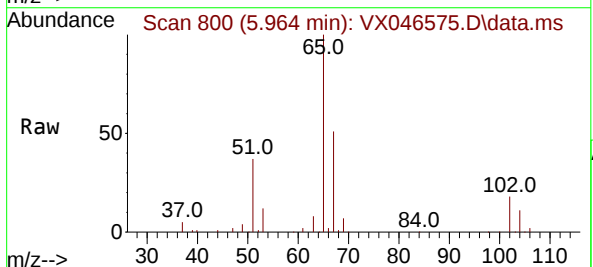
Instrument :
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ClientSampleId :
TP-S

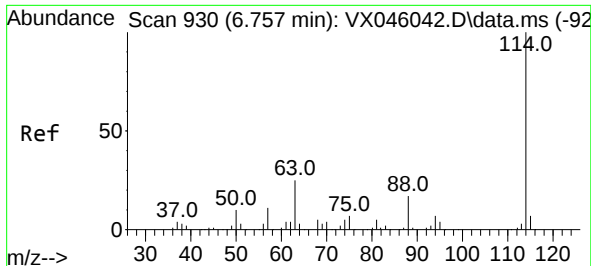
Tgt Ion: 56 Resp: 2482
Ion Ratio Lower Upper
56 100
69 182.4 24.4 36.6#
84 105.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 46.630 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 65 Resp: 83596
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

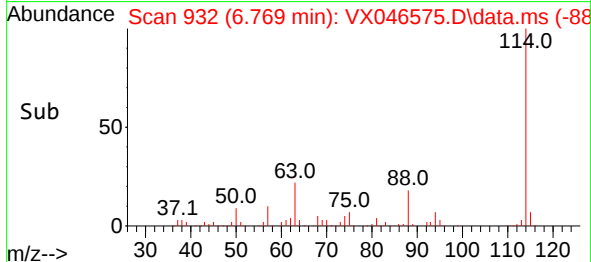
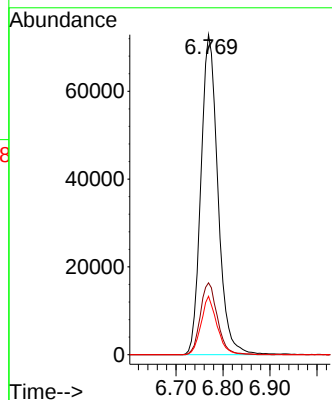
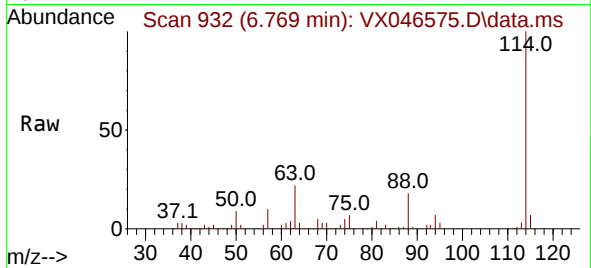




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

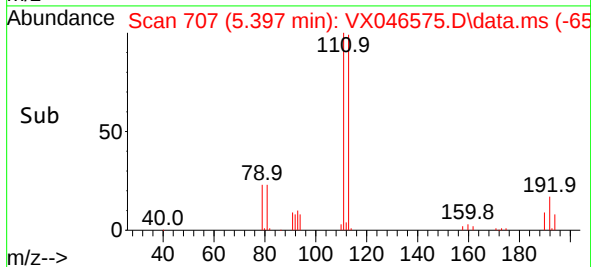
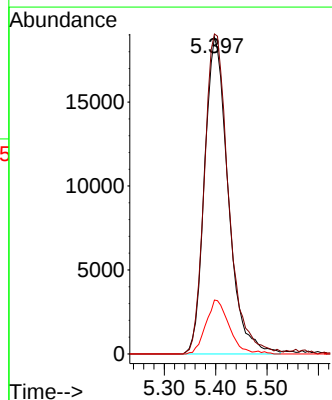
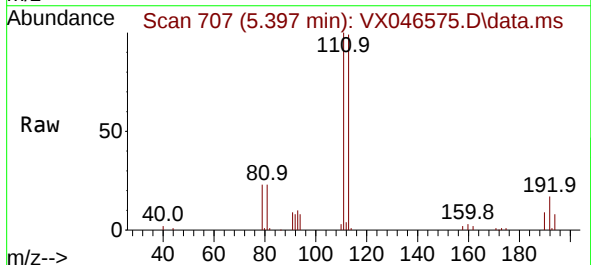
Instrument :
MSVOA_X
ClientSampleId :
TP-S

Tgt Ion:114 Resp: 182971
Ion Ratio Lower Upper
114 100
63 22.5 0.0 49.2
88 18.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.768 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion:113 Resp: 60238
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 16.6 13.3 19.9

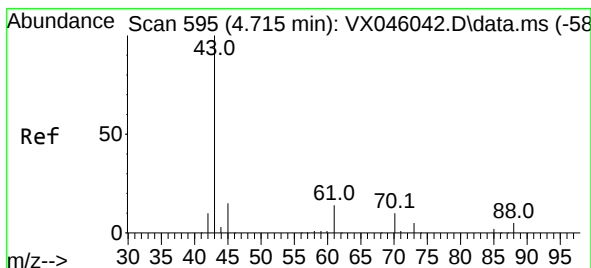
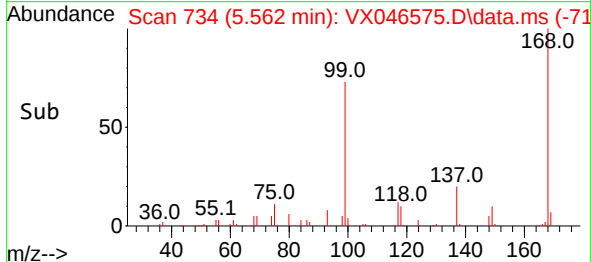
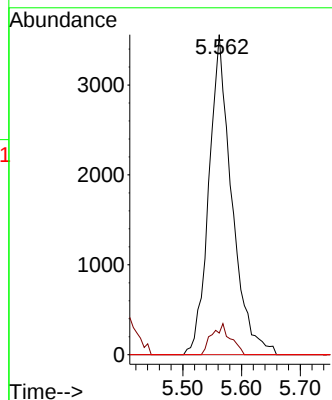
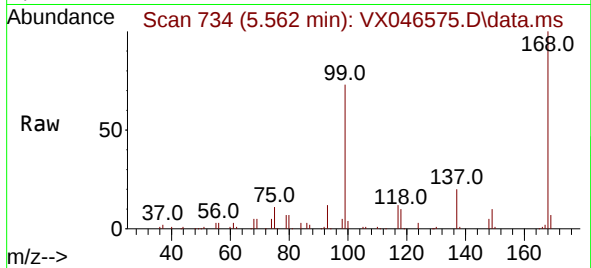




#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

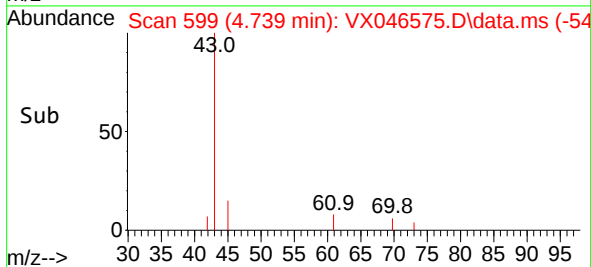
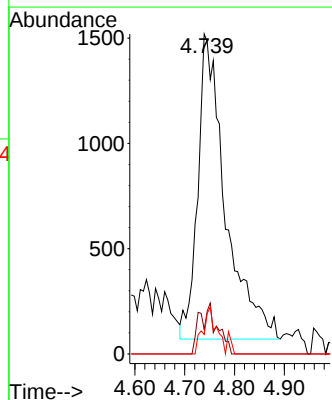
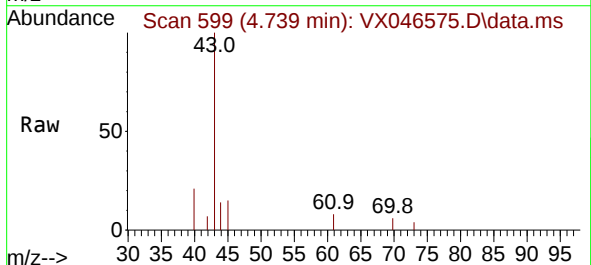
Instrument :
MSVOA_X
ClientSampleId :
TP-S

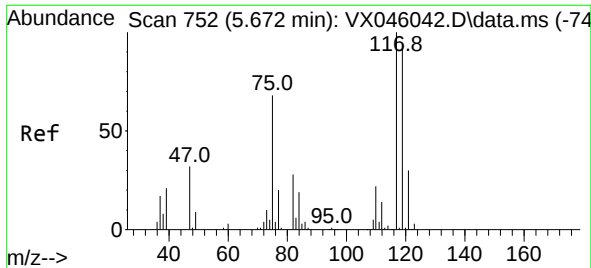
Tgt Ion: 75 Resp: 9632
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.980 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 43 Resp: 5591
Ion Ratio Lower Upper
43 100
61 6.7 10.3 15.5#
70 7.4 7.9 11.9#

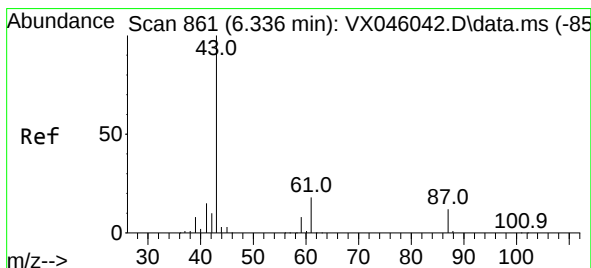
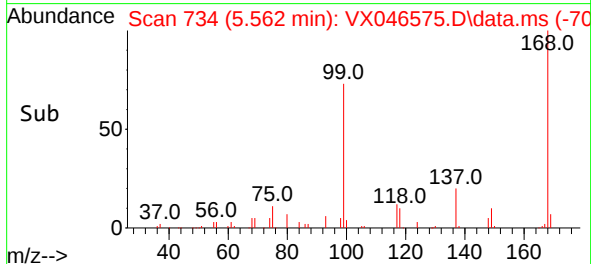
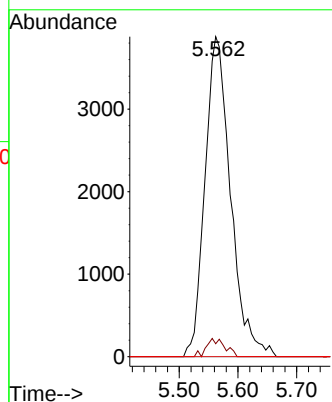
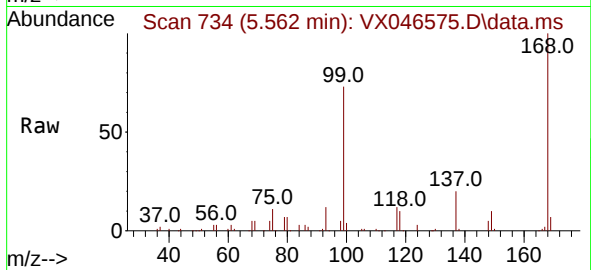




#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

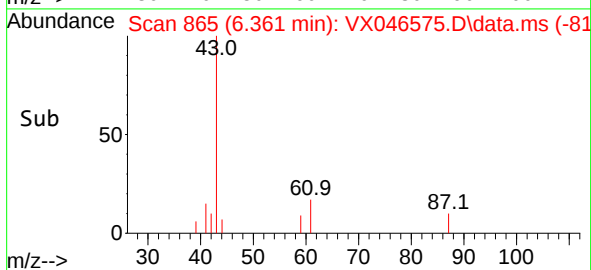
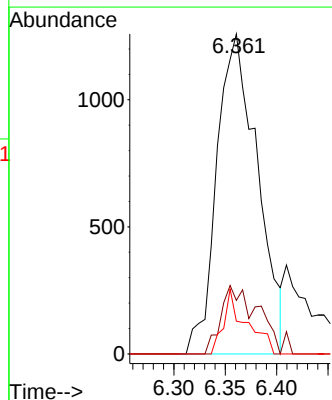
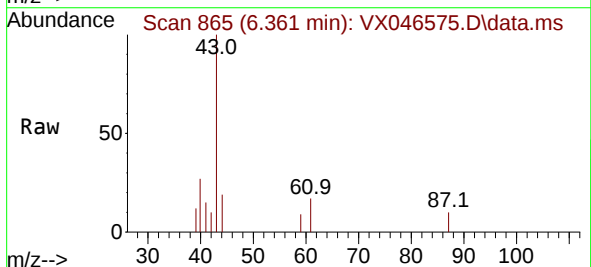
Instrument :
MSVOA_X
ClientSampleId :
TP-S

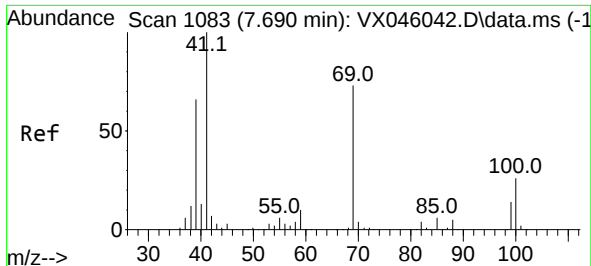
Tgt Ion:117 Resp: 11765
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.060 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
61 20.0 14.3 21.5
87 11.1 9.5 14.3

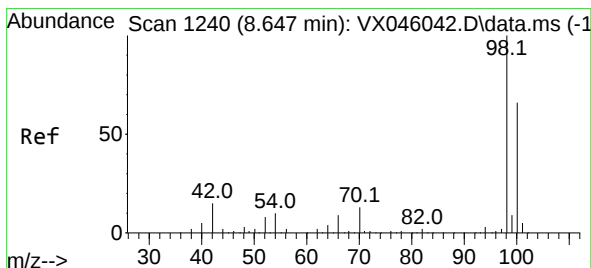
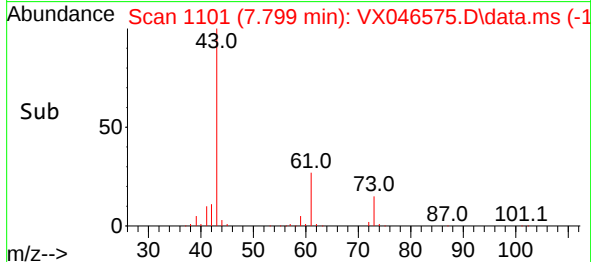
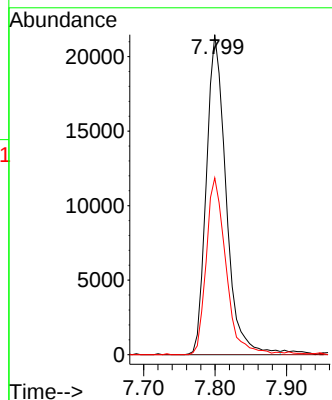
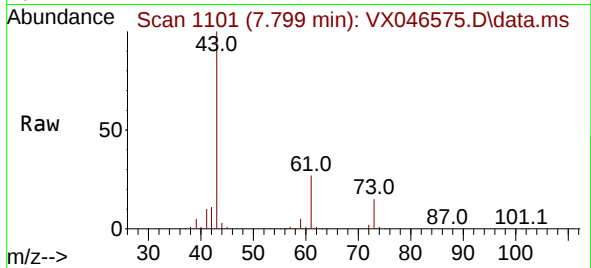




#48
Methyl methacrylate
Concen: 24.395 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

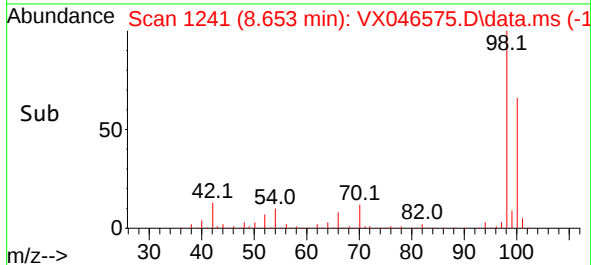
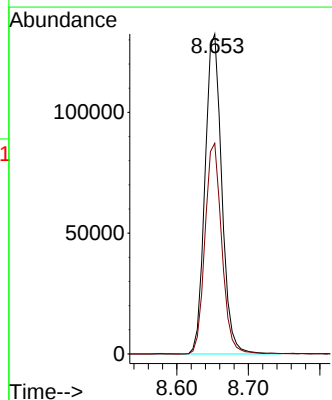
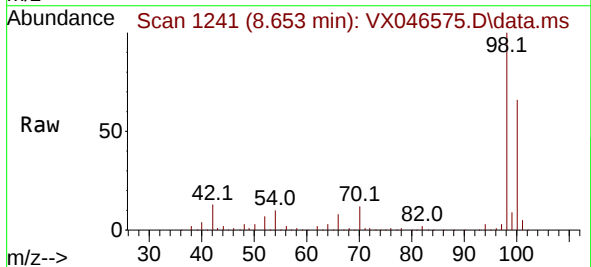
Instrument :
MSVOA_X
ClientSampleId :
TP-S

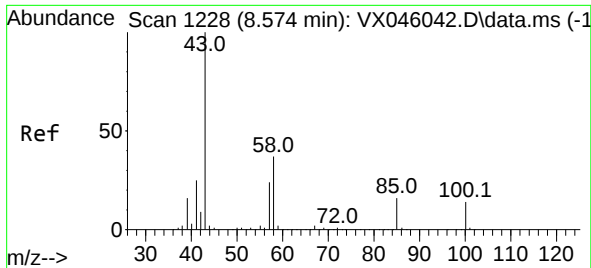
Tgt Ion: 41 Resp: 41048
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.4 51.7 77.5



#50
Toluene-d8
Concen: 48.566 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 98 Resp: 215447
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3

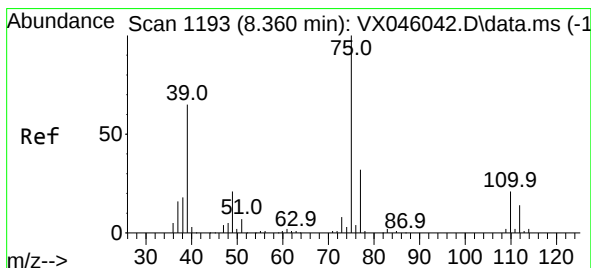
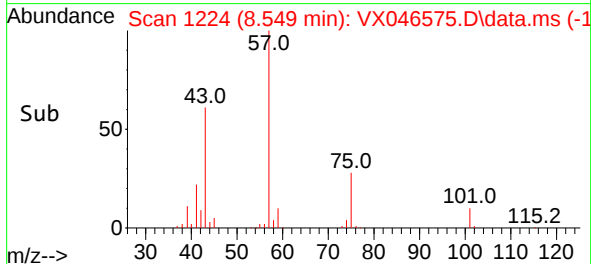
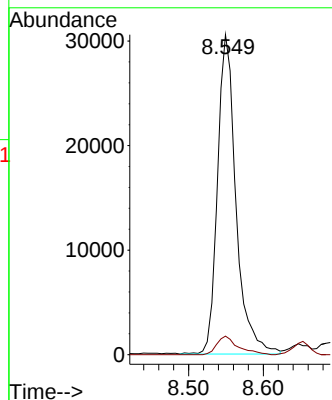
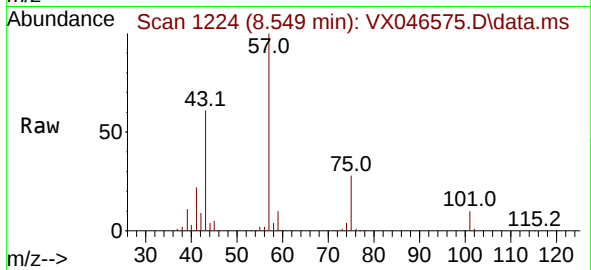




#51
4-Methyl-2-Pentanone
Concen: 25.263 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

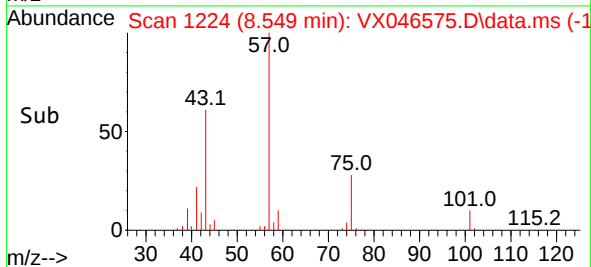
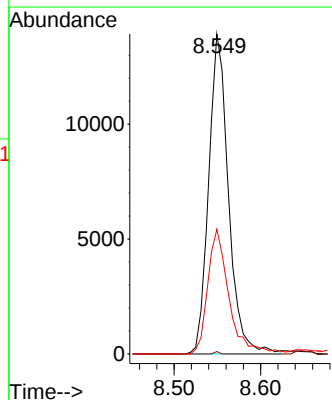
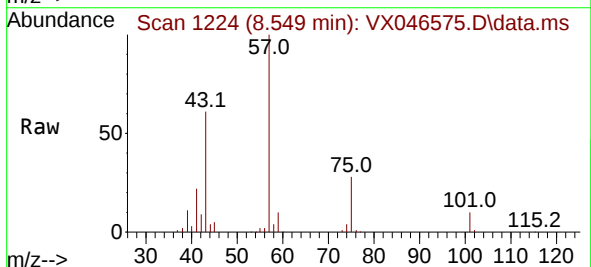
Instrument :
MSVOA_X
ClientSampleId :
TP-S

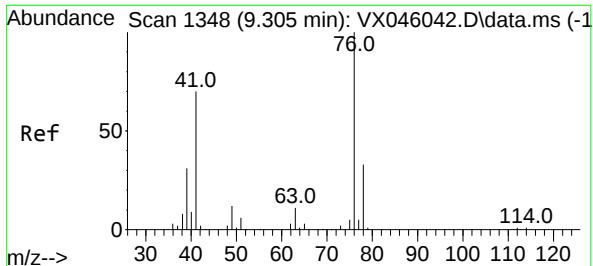
Tgt Ion: 43 Resp: 52501
Ion Ratio Lower Upper
43 100
58 6.6 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.253 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 75 Resp: 22082
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#
39 39.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.666 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX046575.D

Acq: 09 Jun 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

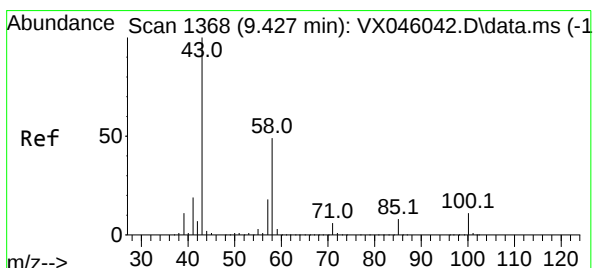
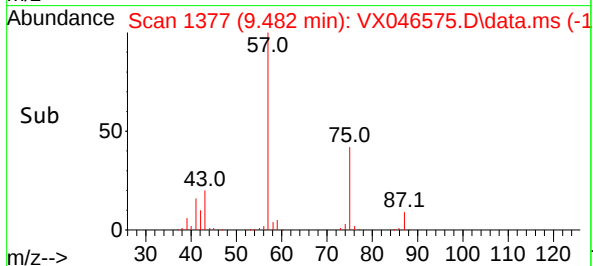
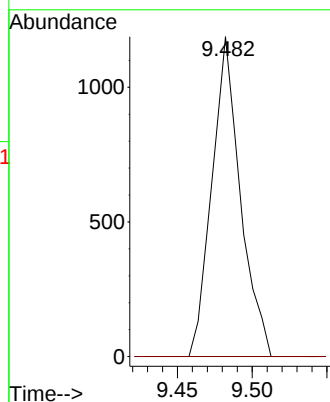
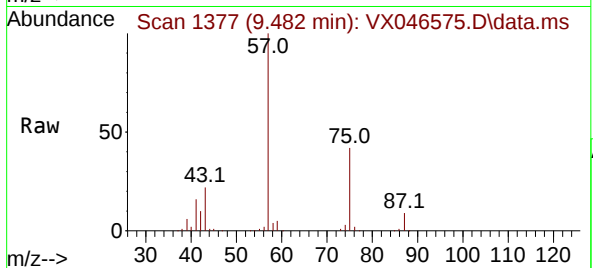
TP-S

Tgt Ion: 76 Resp: 1571

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 4.375 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX046575.D

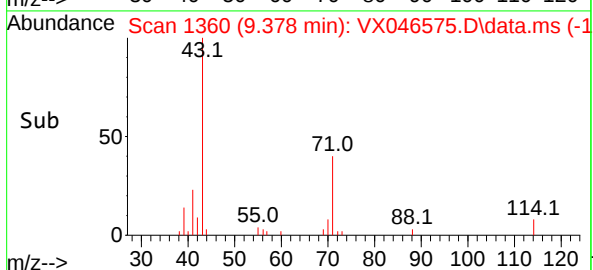
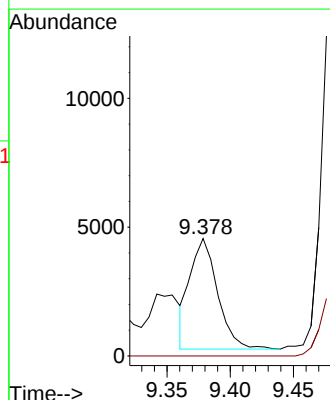
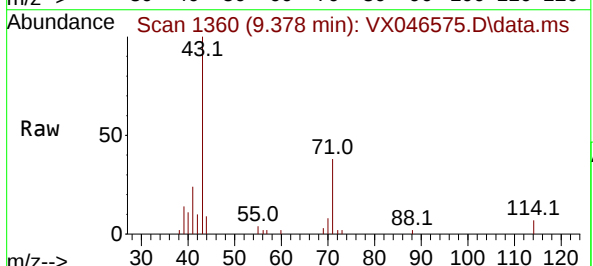
Acq: 09 Jun 2025 13:41

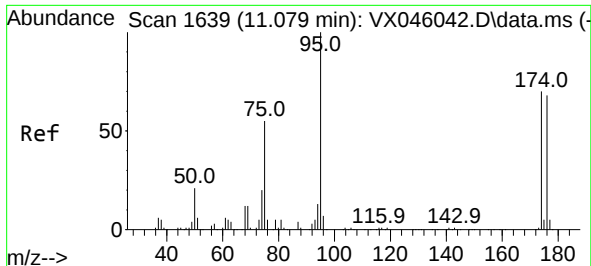
Tgt Ion: 43 Resp: 6520

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

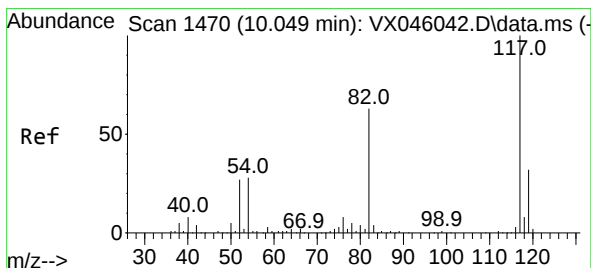
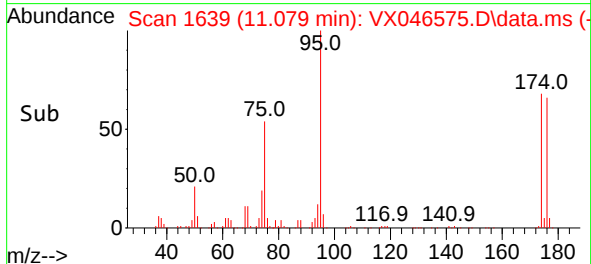
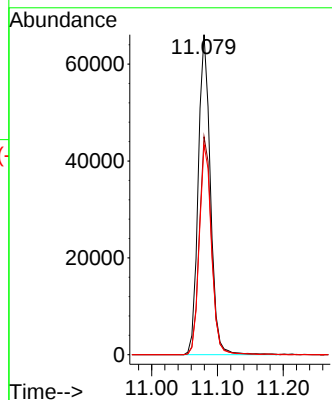
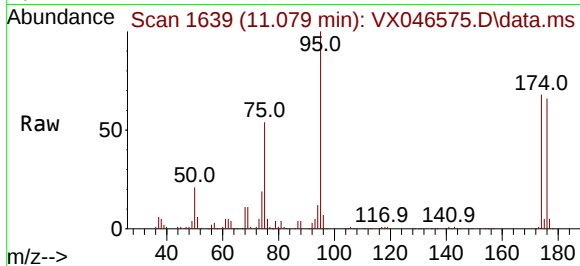




#62
4-Bromofluorobenzene
Concen: 46.172 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

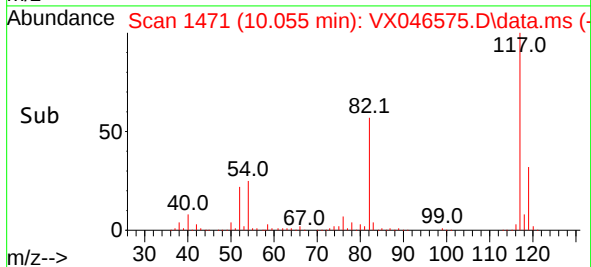
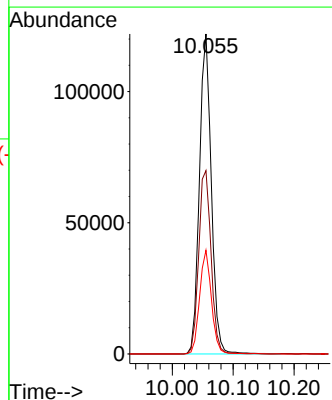
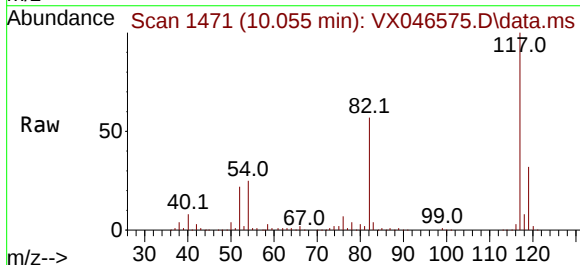
Instrument :
MSVOA_X
ClientSampleId :
TP-S

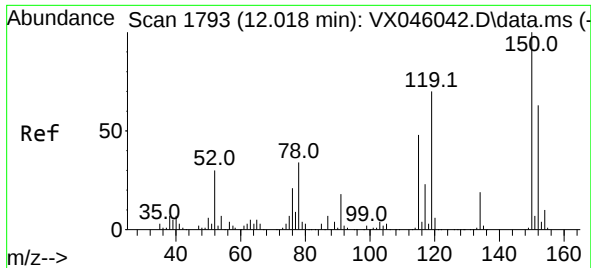
Tgt Ion: 95 Resp: 84746
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 65.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 117 Resp: 165248
Ion Ratio Lower Upper
117 100
82 57.3 50.6 76.0
119 32.4 25.8 38.6

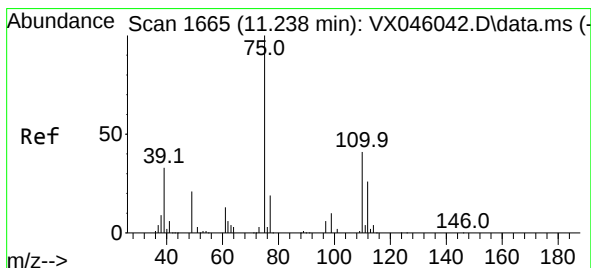
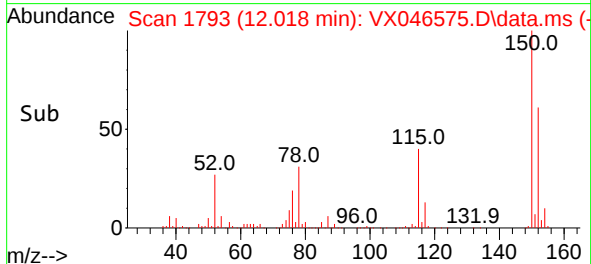
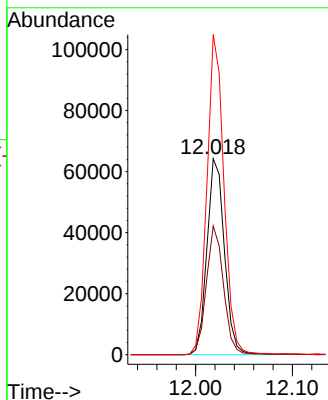
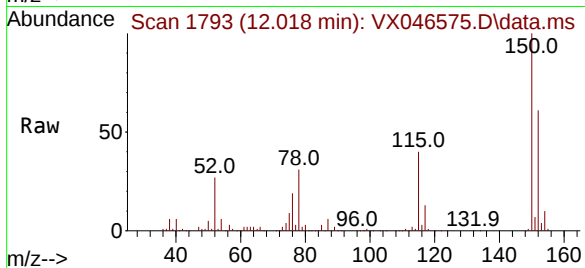




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

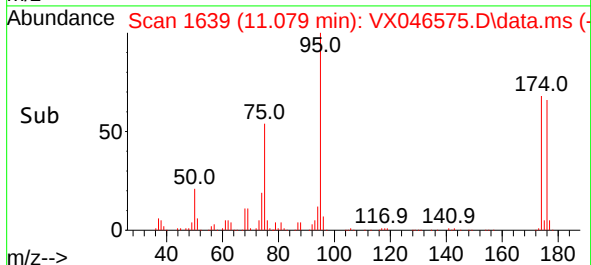
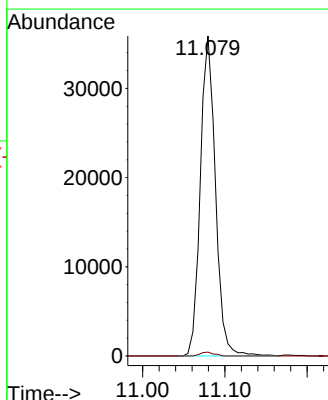
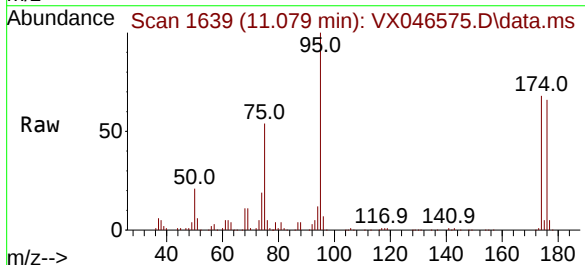
Instrument :
MSVOA_X
ClientSampleId :
TP-S

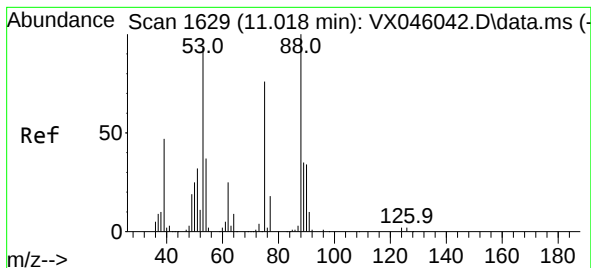
Tgt Ion:152 Resp: 80792
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 158.8 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 26.803 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046575.D
Acq: 09 Jun 2025 13:41

Tgt Ion: 75 Resp: 45867
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.316 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046575.D
 Acq: 09 Jun 2025 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-S

Tgt Ion: 75 Resp: 45867
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

