

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023586.D
 Acq On : 27 Oct 2025 09:47
 Operator : SY/MD
 Sample : VY1027SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBL01

Quant Time: Oct 28 04:35:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

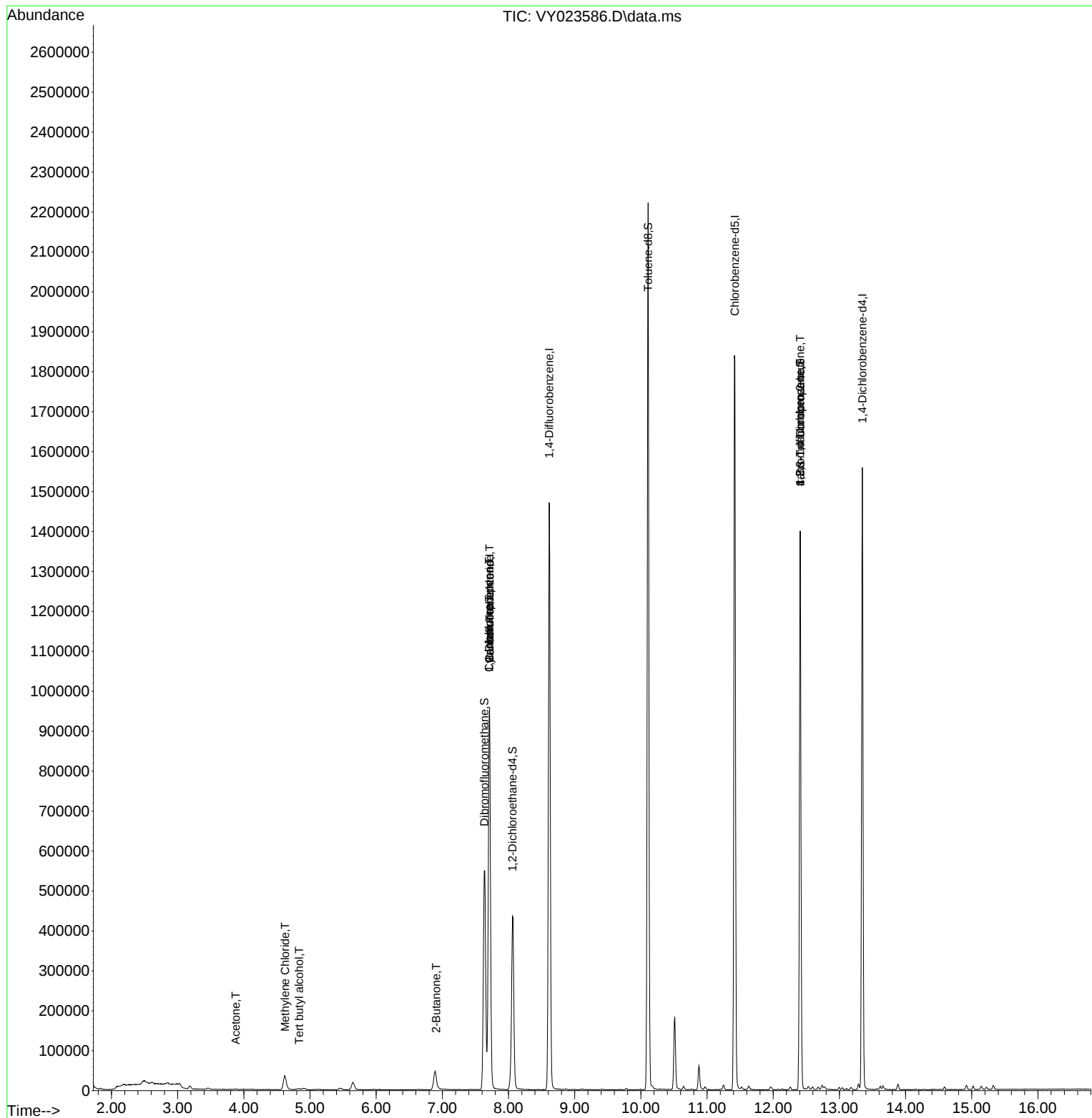
Internal Standards						
1) Pentafluorobenzene	7.713	168	818713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1317250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1075350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	410194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333438	48.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.400%
35) Dibromofluoromethane	7.634	113	401609	49.619	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.240%
50) Toluene-d8	10.109	98	1460587	48.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.408	95	395111	39.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2746	5.392	ug/l #	75
16) Acetone	3.879	43	1647	1.011	ug/l #	85
20) Methylene Chloride	4.622	84	28362	3.218	ug/l	92
25) 2-Butanone	6.908	43	2515	1.264	ug/l #	53
31) Cyclohexane	7.707	56	13141	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52221	4.873	ug/l #	48
38) Carbon Tetrachloride	7.713	117	72038	5.544	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	193825	53.558	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	193825	131.333	ug/l #	15

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

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Response via : Initial Calibration

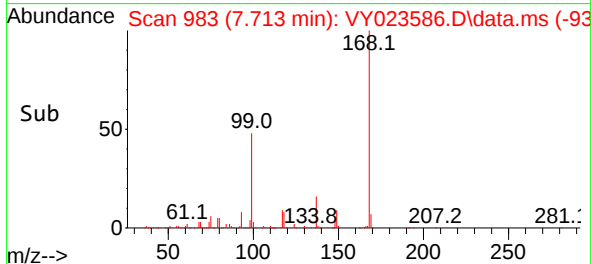
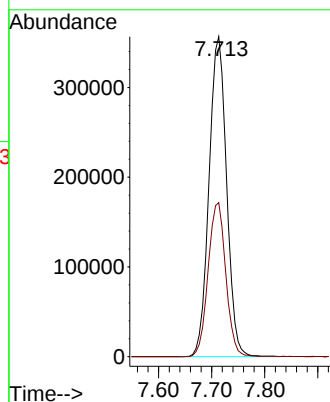
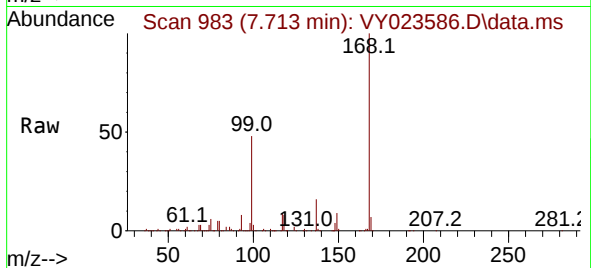




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

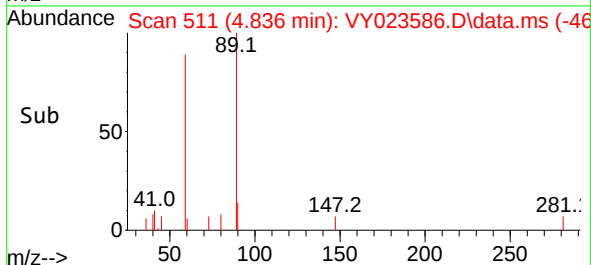
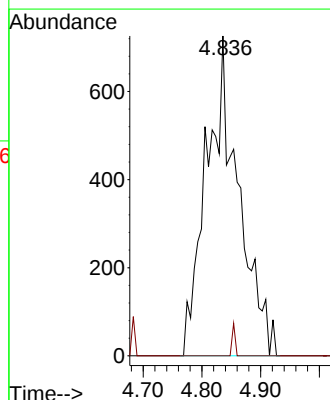
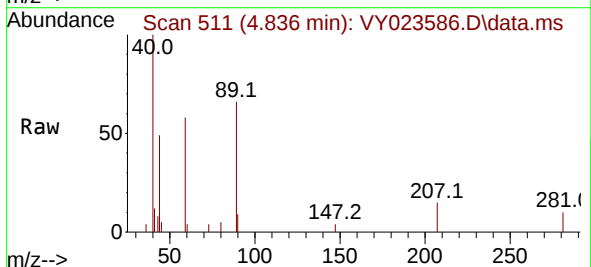
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

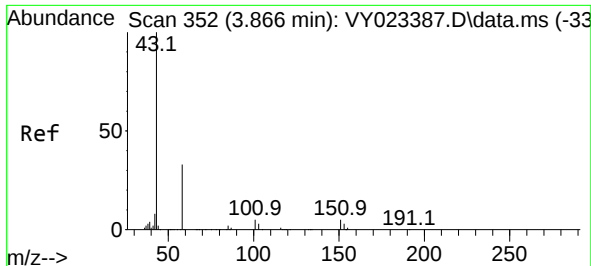
Tgt Ion:168 Resp: 818713
Ion Ratio Lower Upper
168 100
99 48.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 5.392 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.025 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 59 Resp: 2746
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

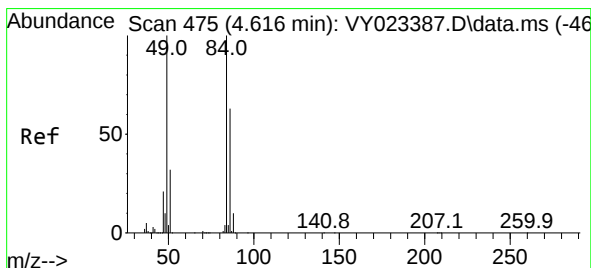
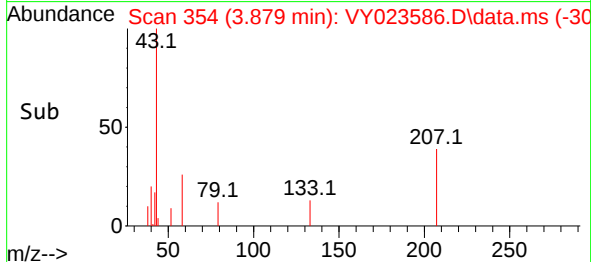
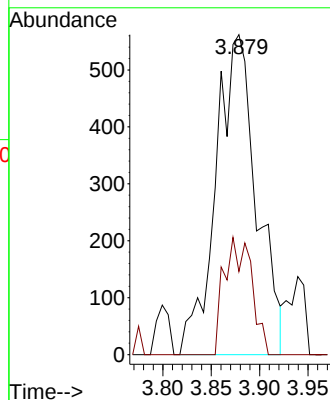
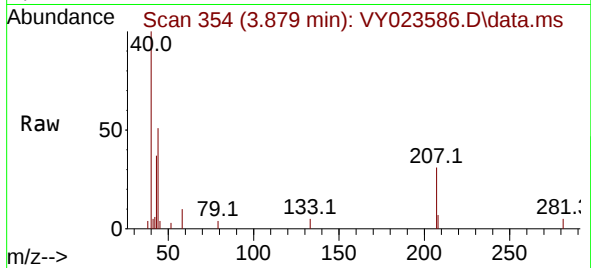




#16
Acetone
Concen: 1.011 ug/l
RT: 3.879 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

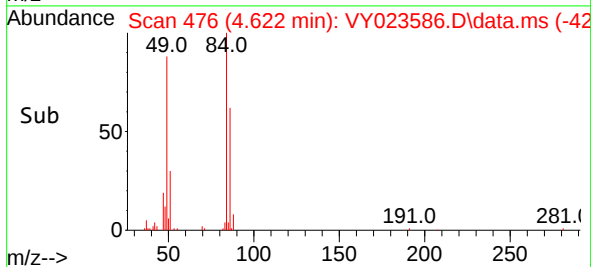
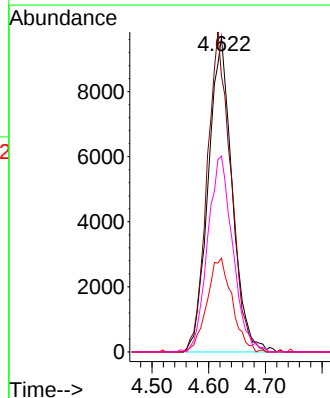
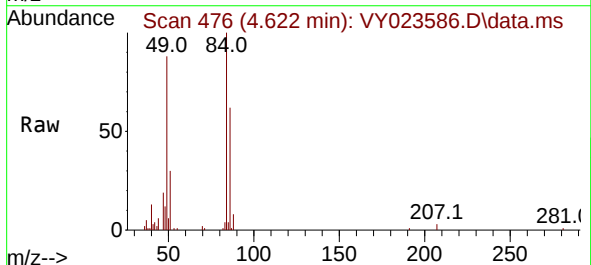
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

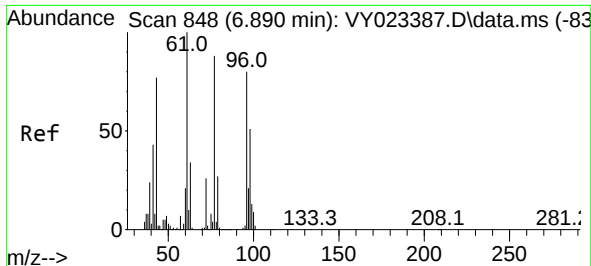
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 26.0 27.7 41.5#



#20
Methylene Chloride
Concen: 3.218 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 84 Resp: 28362
Ion Ratio Lower Upper
84 100
49 87.6 80.2 120.4
51 29.8 25.9 38.9
86 62.2 50.6 75.8

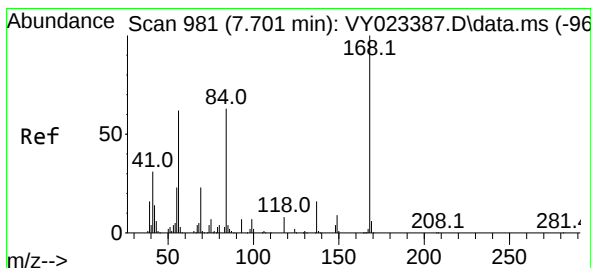
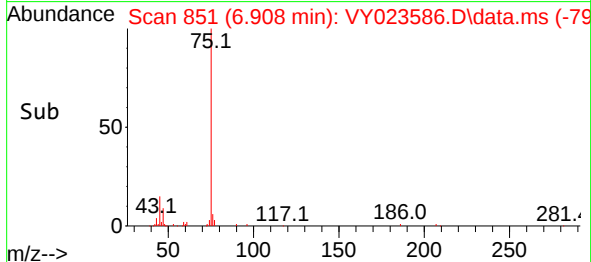
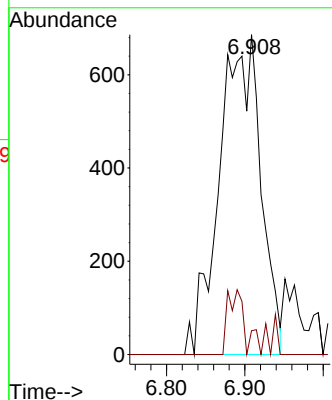
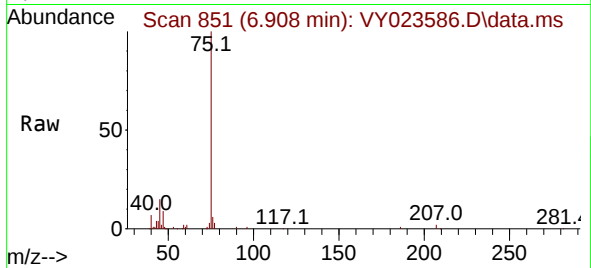




#25
2-Butanone
Concen: 1.264 ug/l
RT: 6.908 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

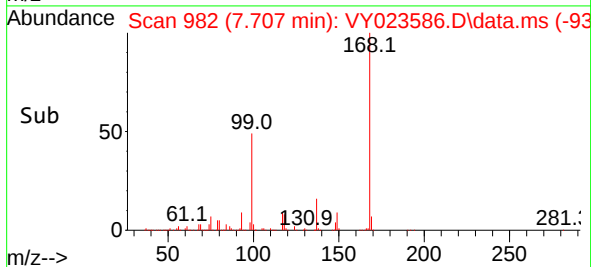
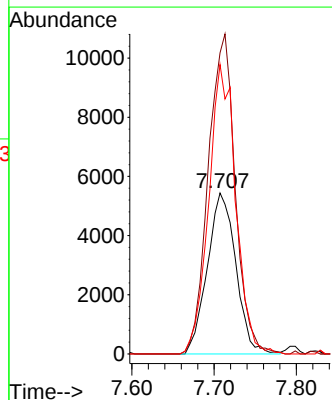
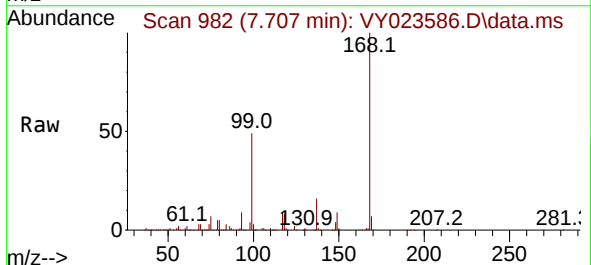
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

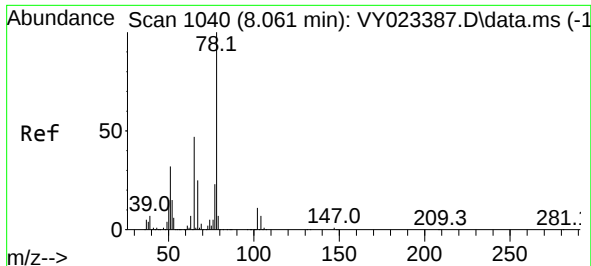
Tgt Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
72 7.4 27.4 41.2#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 56 Resp: 13141
Ion Ratio Lower Upper
56 100
69 187.1 30.0 45.0#
84 179.9 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 48.704 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023586.D

Acq: 27 Oct 2025 09:47

Instrument :

MSVOA_Y

ClientSampleId :

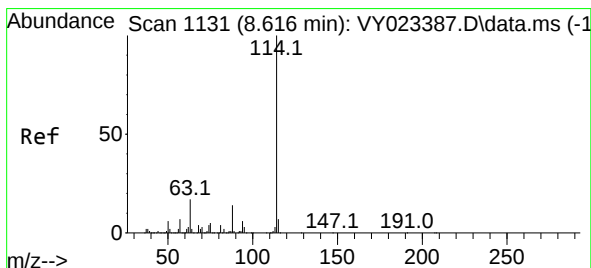
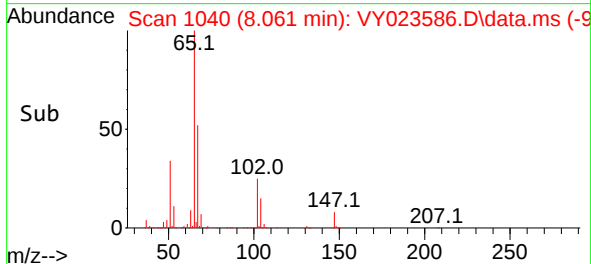
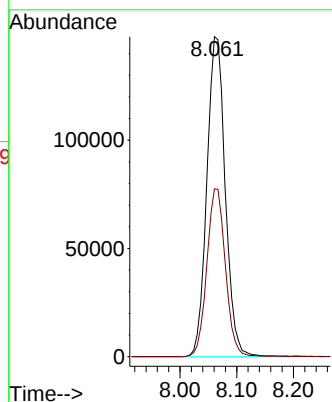
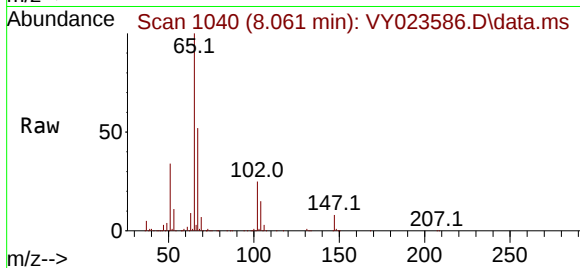
VY1027SBL01

Tgt Ion: 65 Resp: 333438

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023586.D

Acq: 27 Oct 2025 09:47

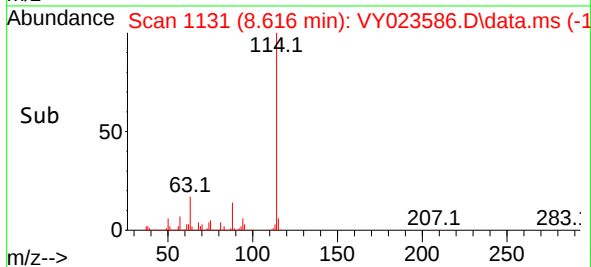
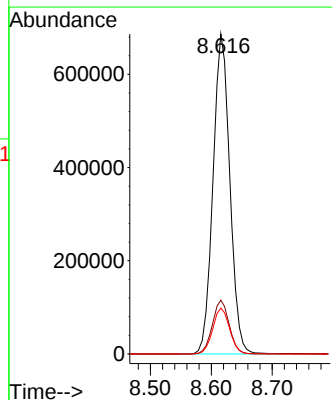
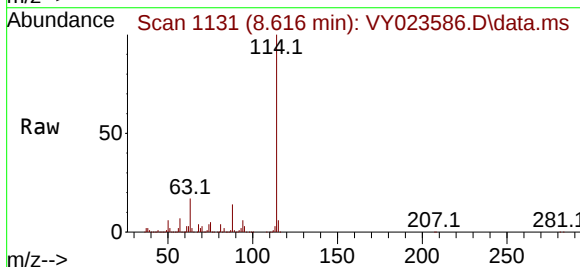
Tgt Ion:114 Resp: 1317250

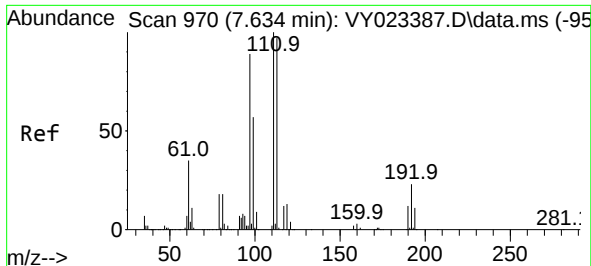
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.3 0.0 28.4

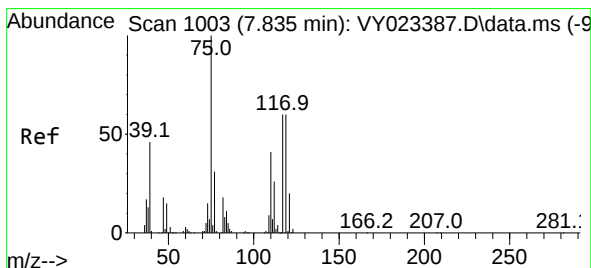
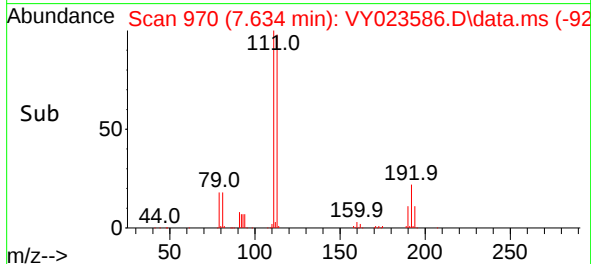
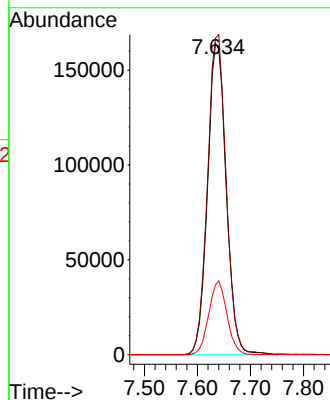
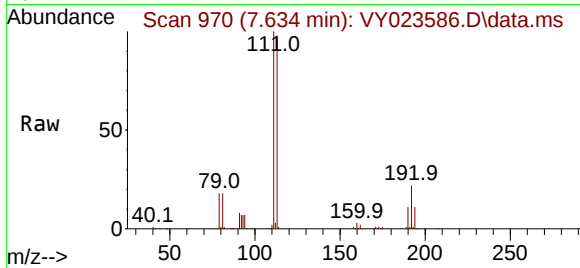




#35
Dibromofluoromethane
Concen: 49.619 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

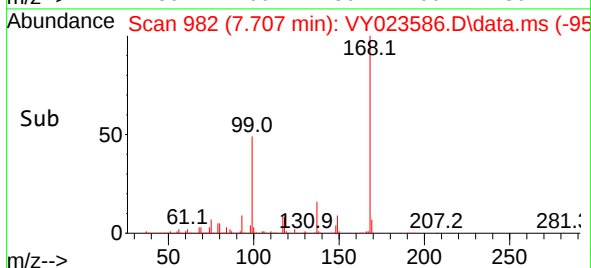
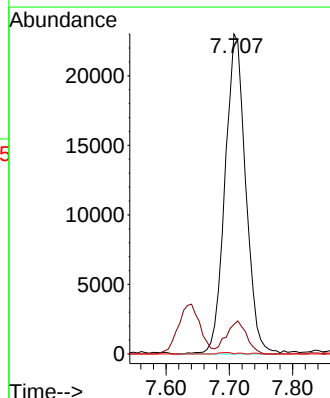
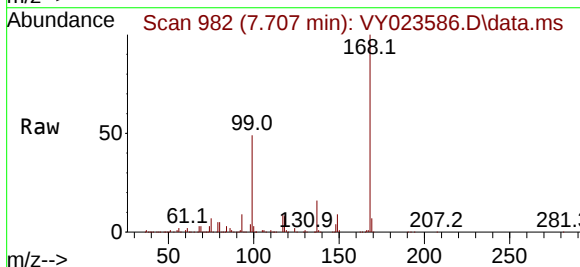
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

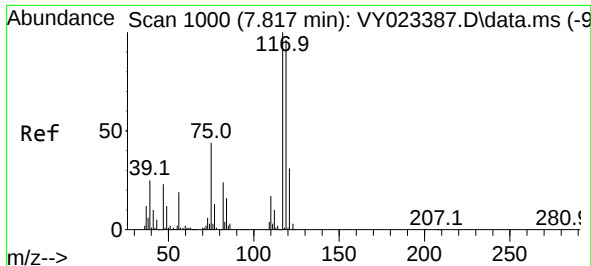
Tgt Ion:113 Resp: 401609
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 23.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 75 Resp: 52221
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.7#
77 0.3 25.0 37.6#

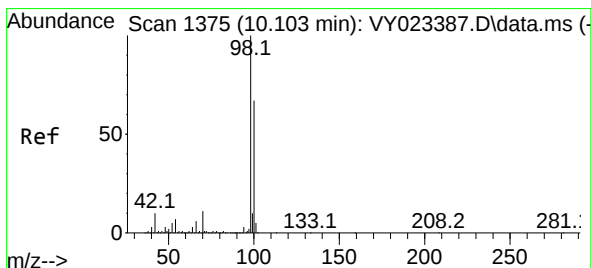
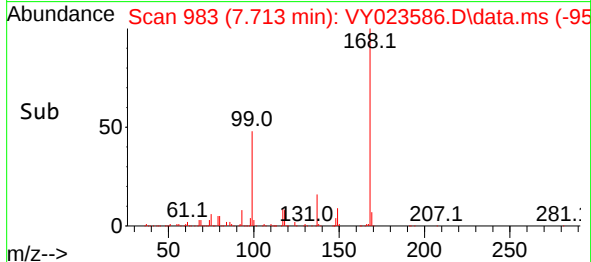
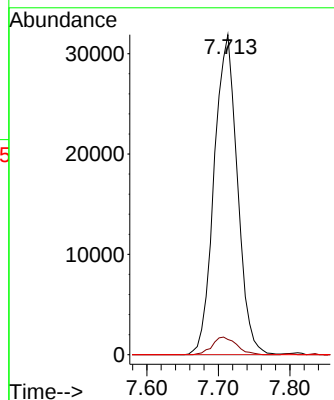
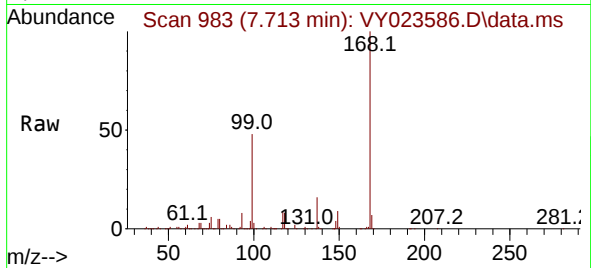




#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

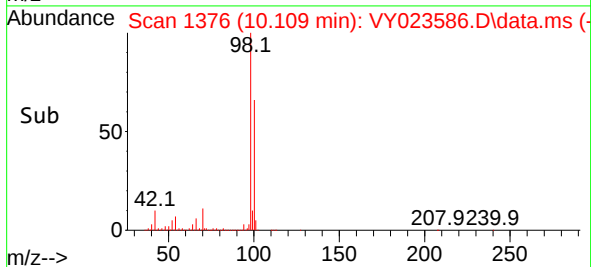
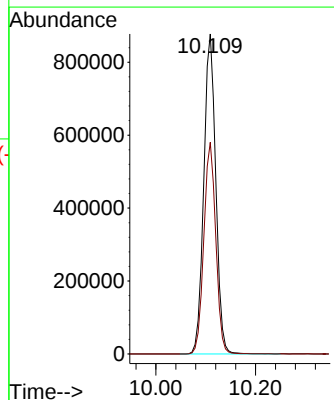
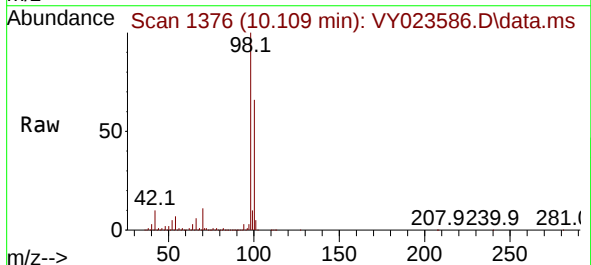
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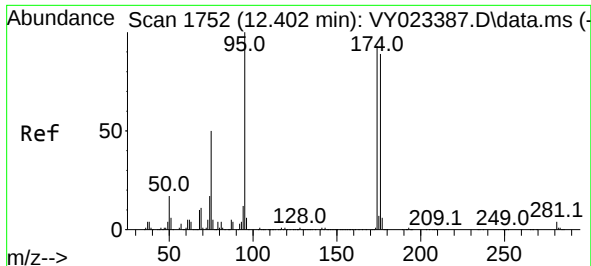
Tgt Ion:117 Resp: 72038
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 98 Resp: 1460587
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

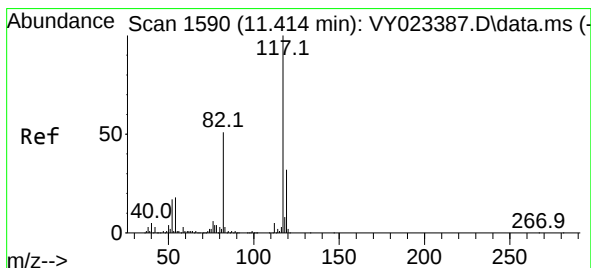
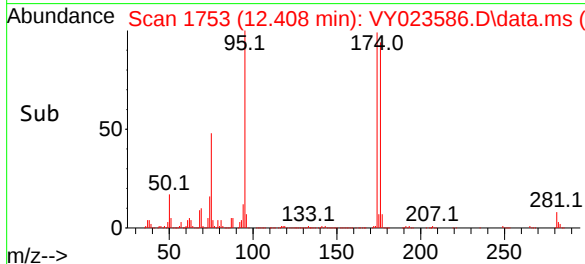
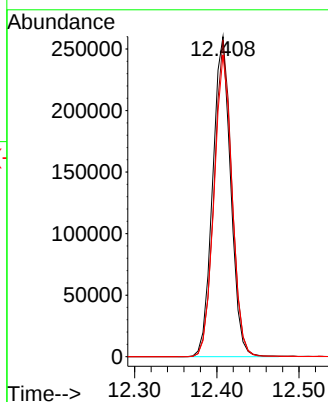
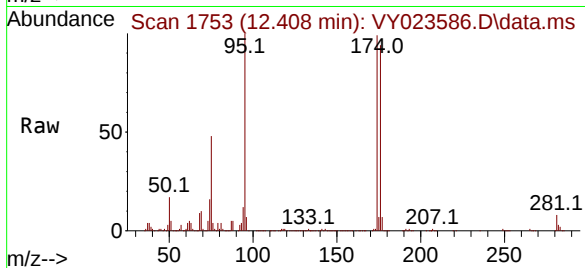




#62
4-Bromofluorobenzene
Concen: 39.704 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

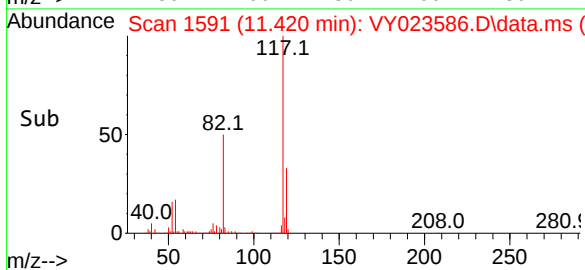
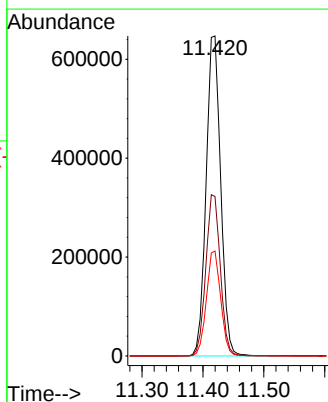
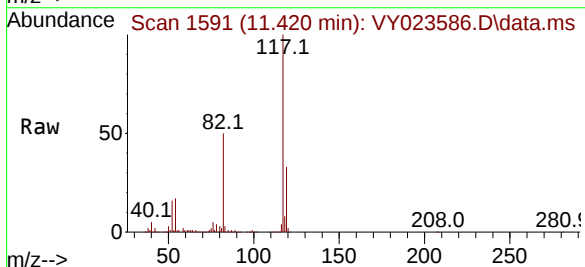
Instrument :
MSVOA_Y
ClientSampleId :
VY1027SBL01

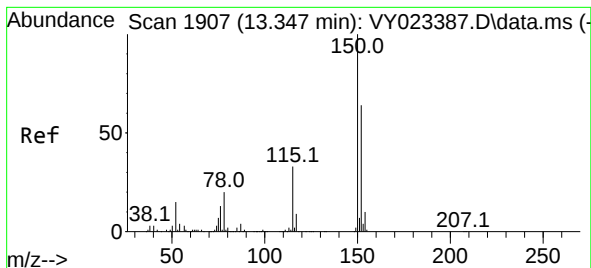
Tgt Ion: 95 Resp: 395111
Ion Ratio Lower Upper
95 100
174 97.7 0.0 192.8
176 94.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023586.D
Acq: 27 Oct 2025 09:47

Tgt Ion: 117 Resp: 1075350
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023586.D

Acq: 27 Oct 2025 09:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1027SBL01

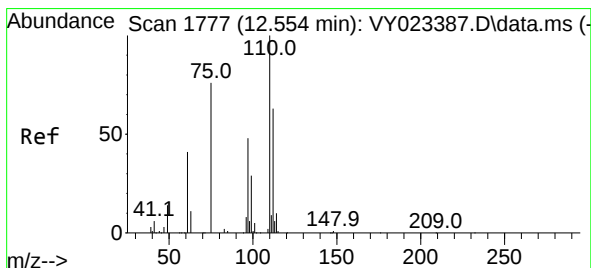
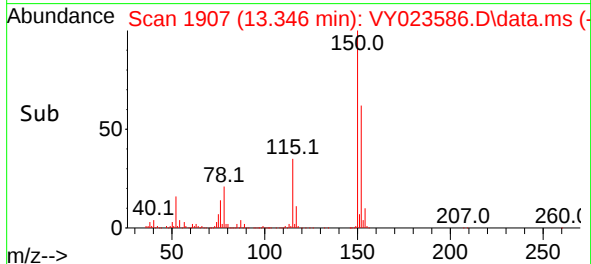
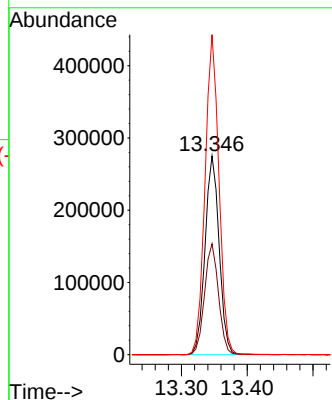
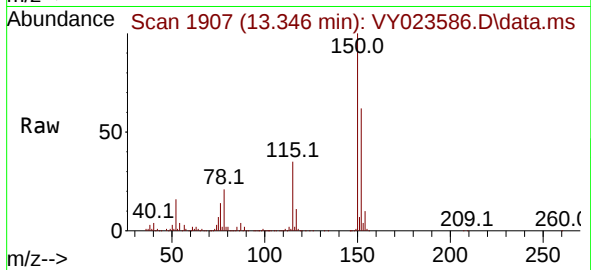
Tgt Ion:152 Resp: 410194

Ion Ratio Lower Upper

152 100

115 55.3 27.1 81.2

150 158.6 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 53.558 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023586.D

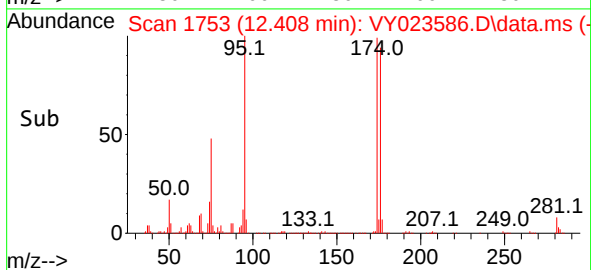
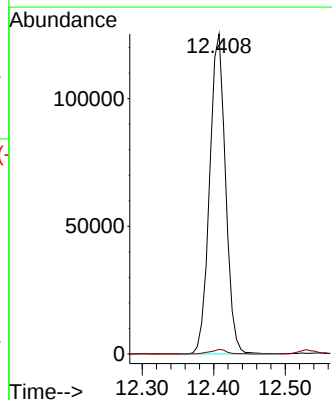
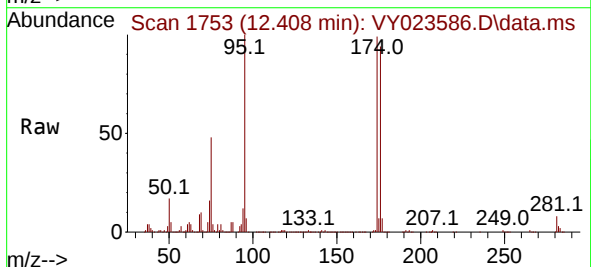
Acq: 27 Oct 2025 09:47

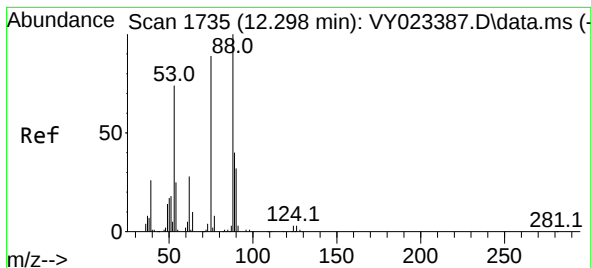
Tgt Ion: 75 Resp: 193825

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.333 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023586.D
 Acq: 27 Oct 2025 09:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBL01

Tgt Ion: 75 Resp: 193825
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

