

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023464.D
 Acq On : 14 Oct 2025 16:02
 Operator : SY/MD
 Sample : Q3345-01
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TANK-FARM-SOIL

Quant Time: Oct 15 03:30:35 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)

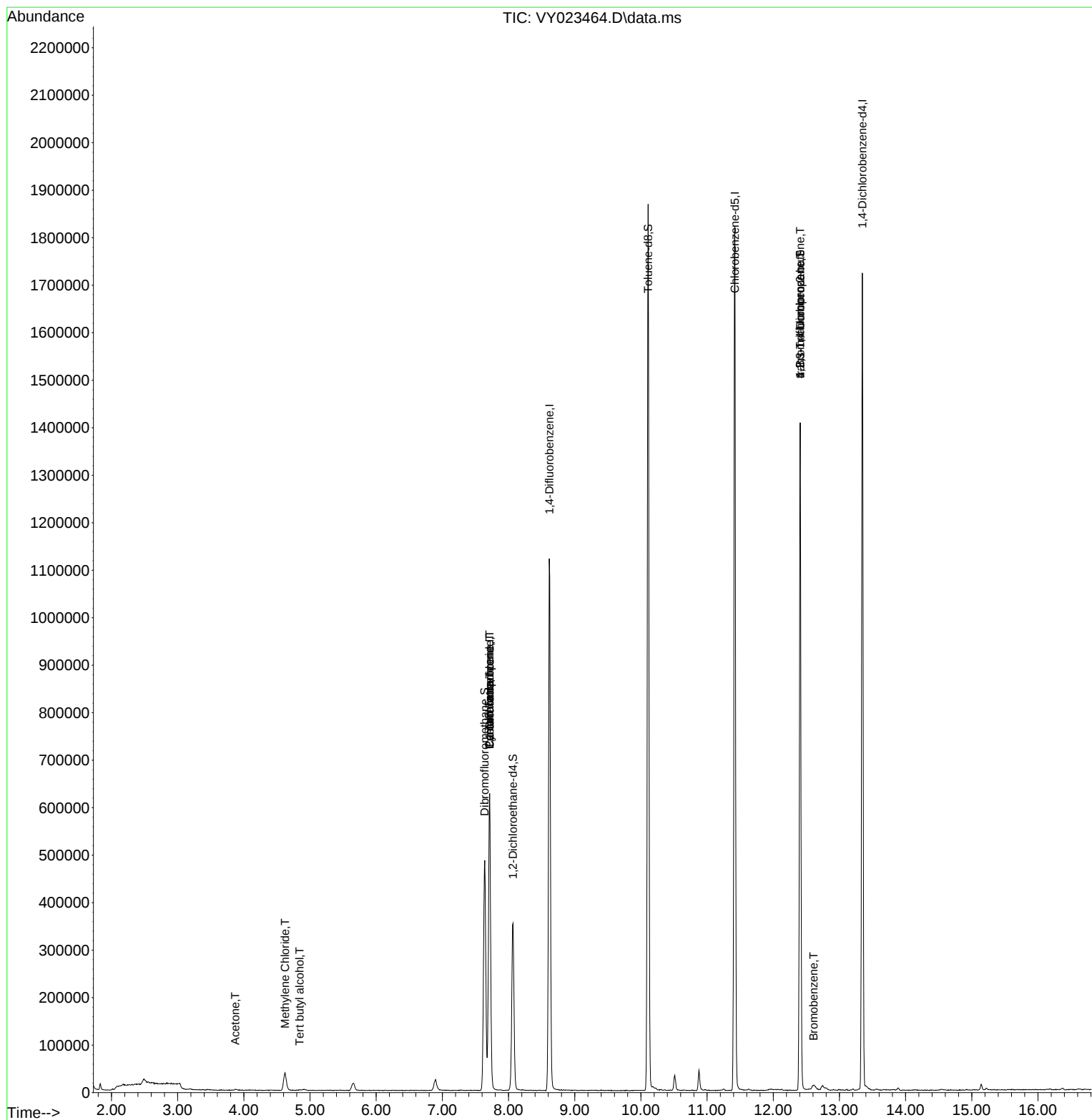
Internal Standards						
1) Pentafluorobenzene	7.713	168	510552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1013561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1055953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	456928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	282432	66.154	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 132.300%		
35) Dibromofluoromethane	7.640	113	348872	56.018	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.040%		
50) Toluene-d8	10.109	98	1239662	53.450	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 106.900%		
62) 4-Bromofluorobenzene	12.407	95	416070	54.337	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 108.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1467	4.619	ug/l #	72
16) Acetone	3.872	43	3014	2.965	ug/l	99
20) Methylene Chloride	4.622	84	29708	5.405	ug/l	98
31) Cyclohexane	7.713	56	9097	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	32957	3.997	ug/l #	48
38) Carbon Tetrachloride	7.713	117	45462	4.547	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	205741	51.036	ug/l #	100
77) Bromobenzene	12.609	156	11512	1.438	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.407	75	205741	125.149	ug/l #	15

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

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ALS Vial : 10 Sample Multiplier: 1

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MSVOA_Y
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TANK-FARM-SOIL

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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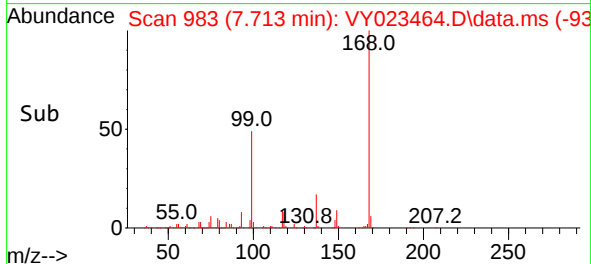
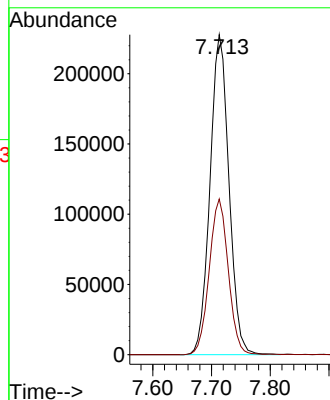
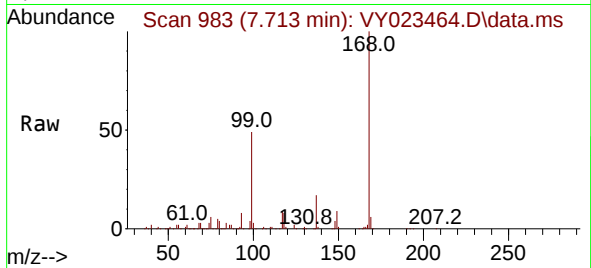




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

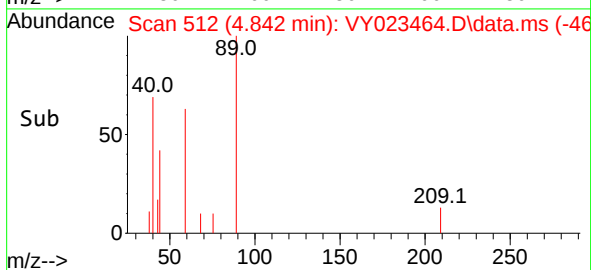
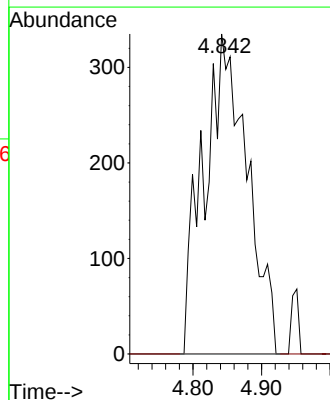
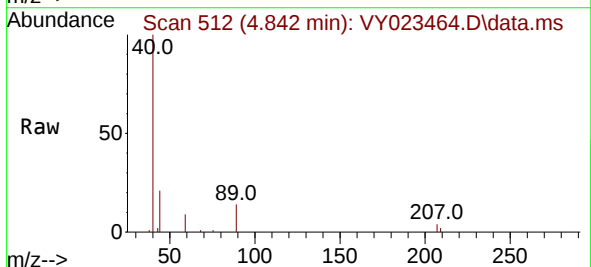
Instrument :
MSVOA_Y
ClientSampleId :
TANK-FARM-SOIL

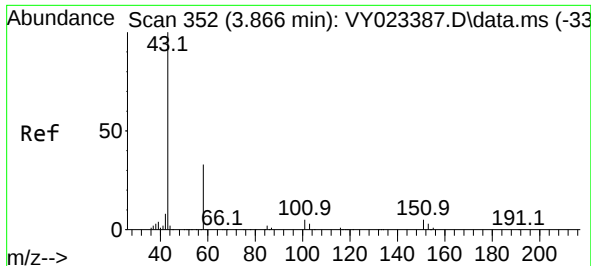
Tgt Ion:168 Resp: 510552
Ion Ratio Lower Upper
168 100
99 48.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 4.619 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

Tgt Ion: 59 Resp: 1467
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.965 ug/l

RT: 3.872 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

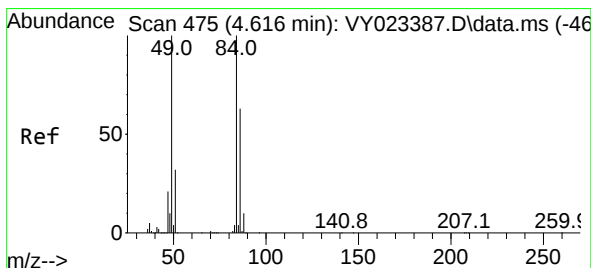
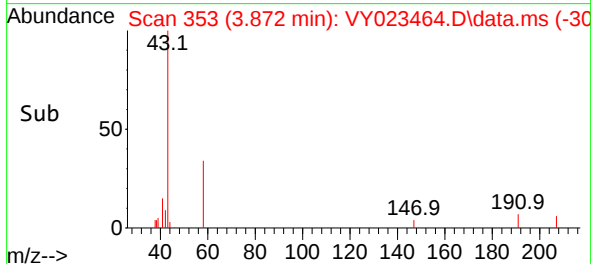
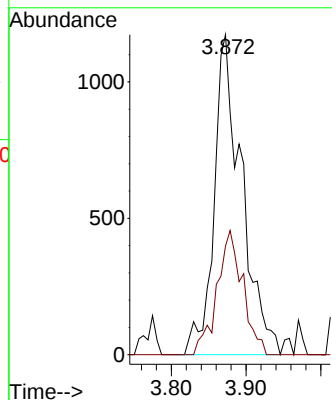
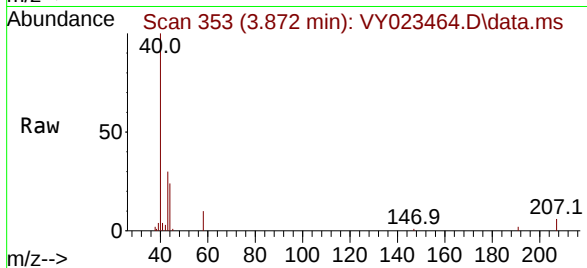
TANK-FARM-SOIL

Tgt Ion: 43 Resp: 3014

Ion Ratio Lower Upper

43 100

58 33.9 27.7 41.5



#20

Methylene Chloride

Concen: 5.405 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

Tgt Ion: 84 Resp: 29708

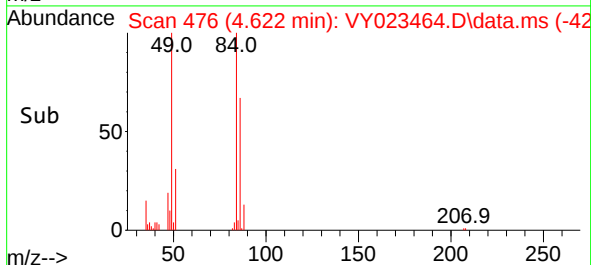
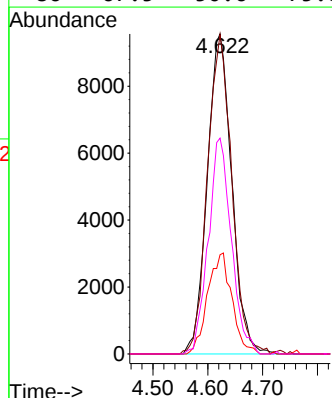
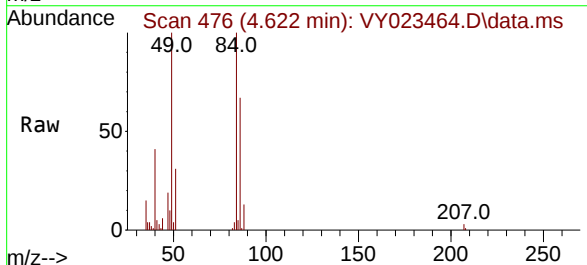
Ion Ratio Lower Upper

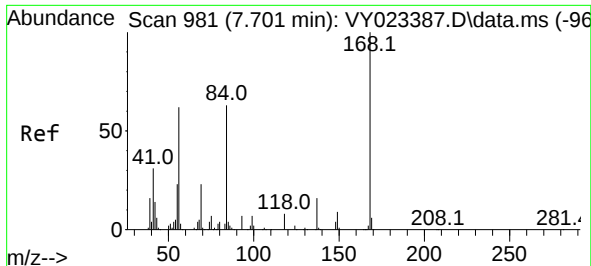
84 100

49 99.8 80.2 120.4

51 31.0 25.9 38.9

86 67.5 50.6 75.8

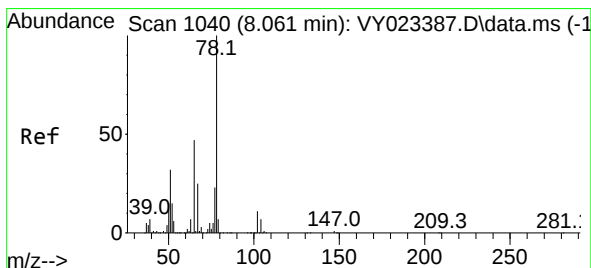
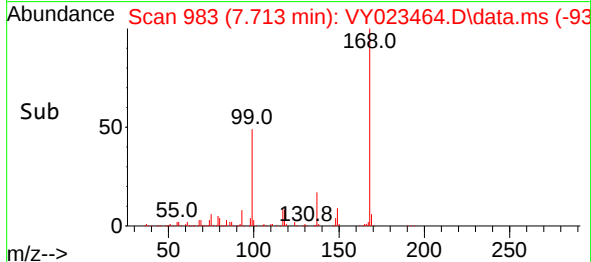
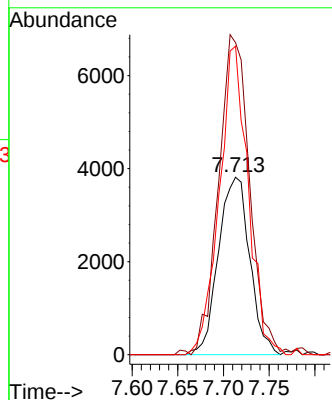
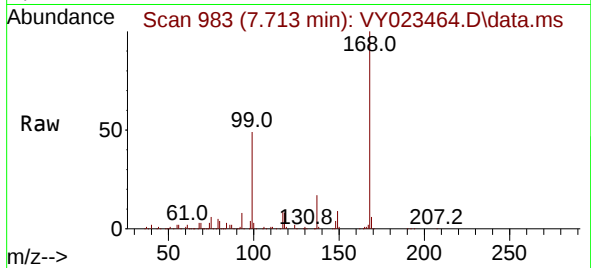




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

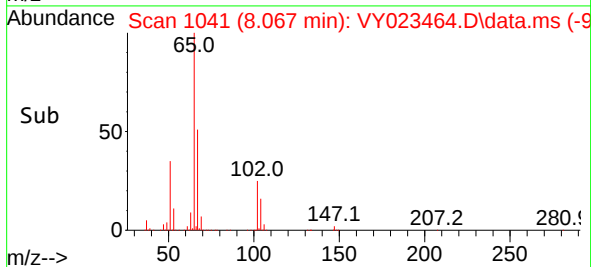
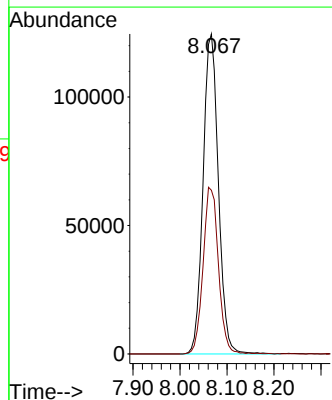
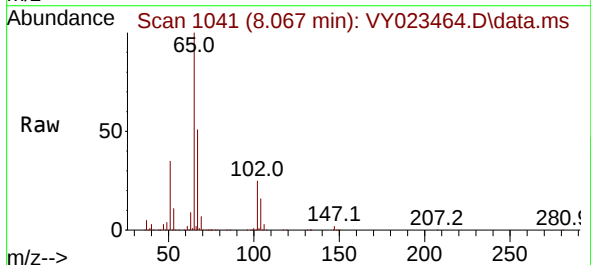
Instrument :
MSVOA_Y
ClientSampleId :
TANK-FARM-SOIL

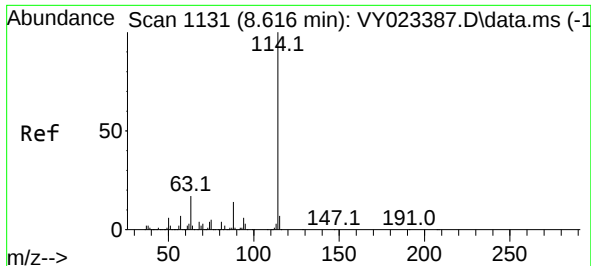
Tgt Ion: 56 Resp: 9097
Ion Ratio Lower Upper
56 100
69 174.0 30.0 45.0#
84 173.8 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 66.154 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

Tgt Ion: 65 Resp: 282432
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TANK-FARM-SOIL

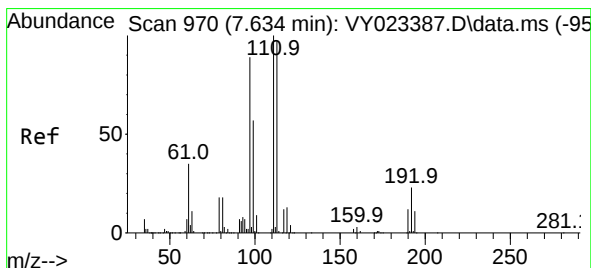
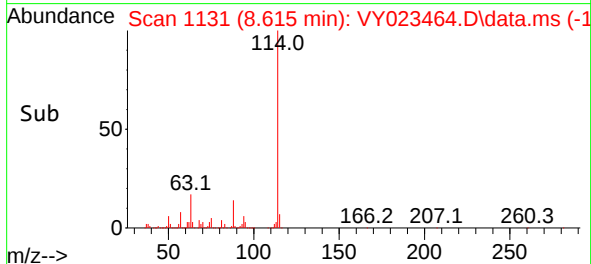
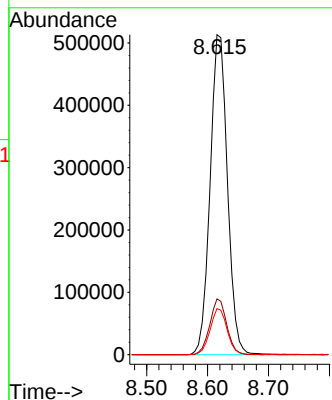
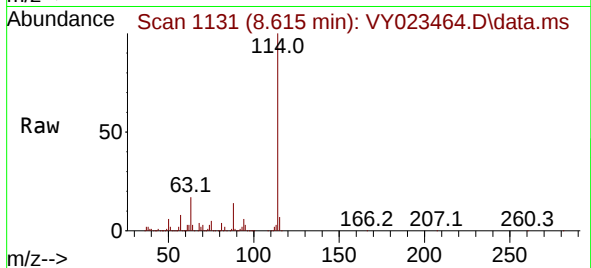
Tgt Ion:114 Resp: 1013561

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 56.018 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

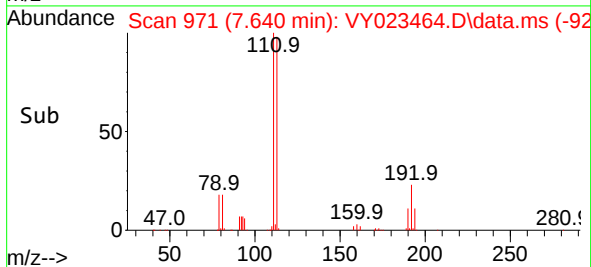
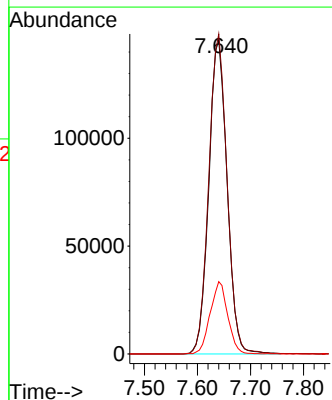
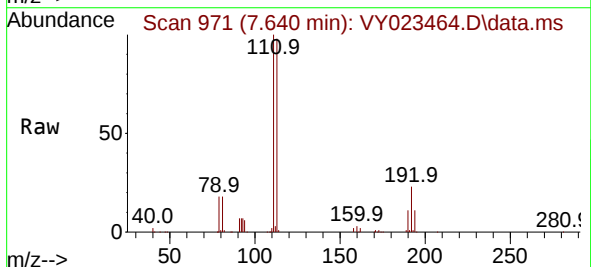
Tgt Ion:113 Resp: 348872

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.6

192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 3.997 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TANK-FARM-SOIL

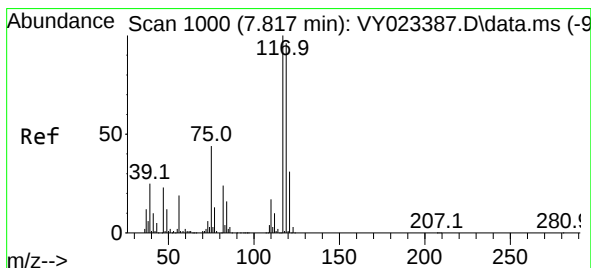
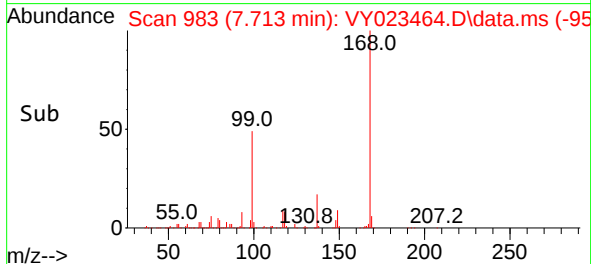
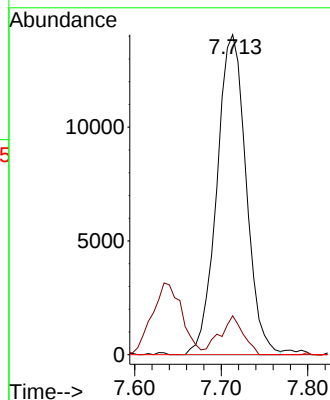
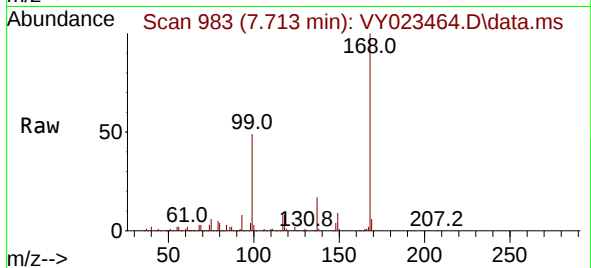
Tgt Ion: 75 Resp: 32957

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.547 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

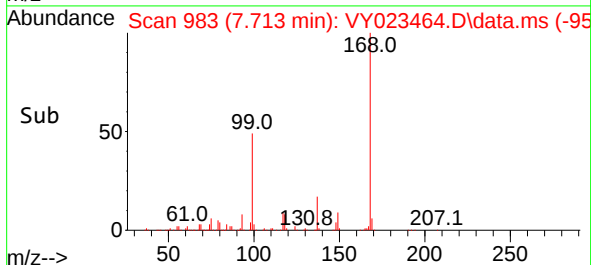
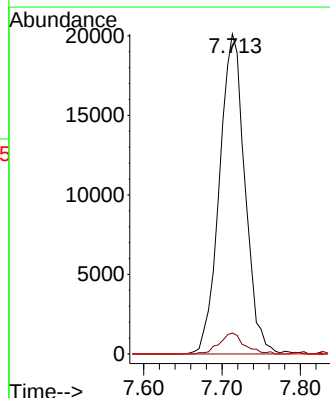
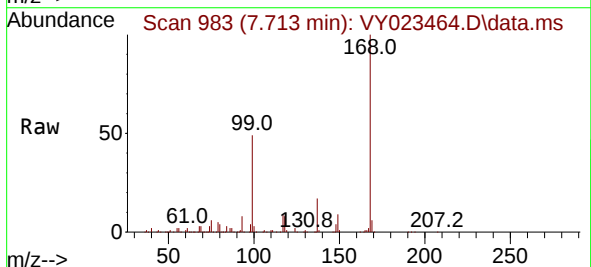
Tgt Ion: 117 Resp: 45462

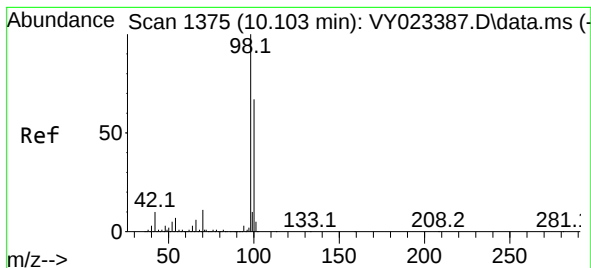
Ion Ratio Lower Upper

117 100

119 6.6 76.8 115.2#

121 0.0 24.5 36.7#

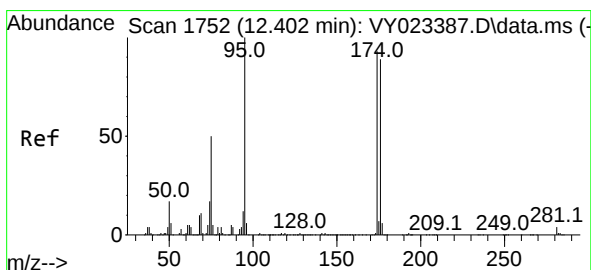
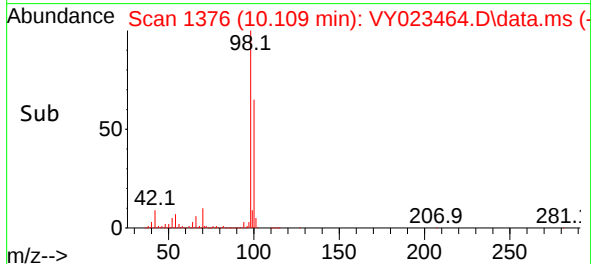
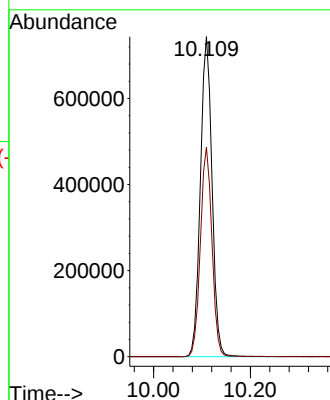
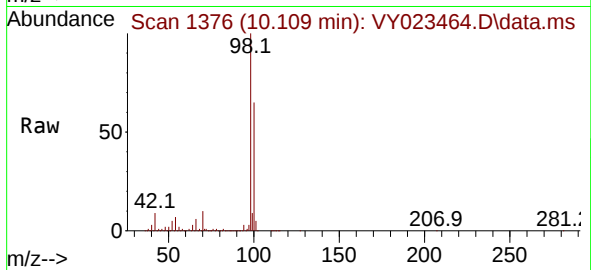




#50
Toluene-d8
Concen: 53.450 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

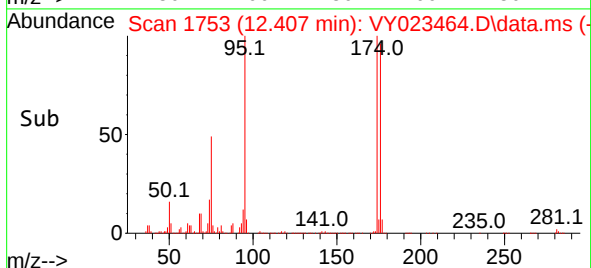
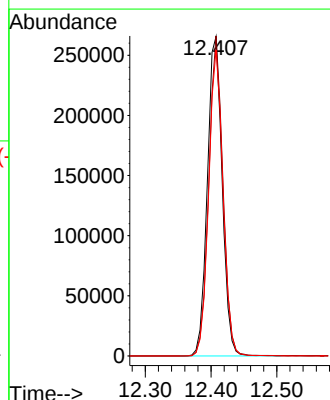
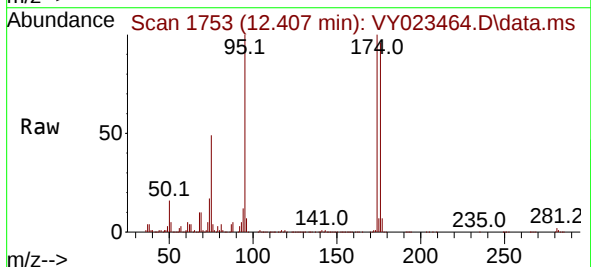
Instrument :
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TANK-FARM-SOIL

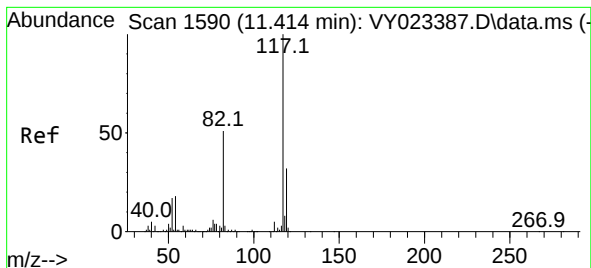
Tgt Ion: 98 Resp: 1239662
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.337 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

Tgt Ion: 95 Resp: 416070
Ion Ratio Lower Upper
95 100
174 96.0 0.0 192.8
176 92.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023464.D

Acq: 14 Oct 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

TANK-FARM-SOIL

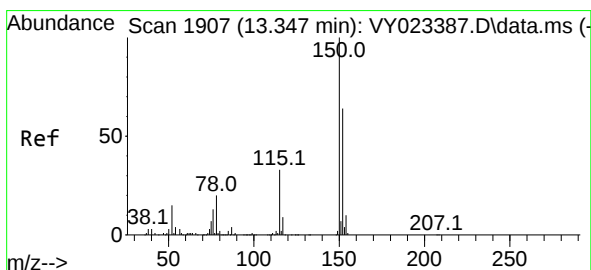
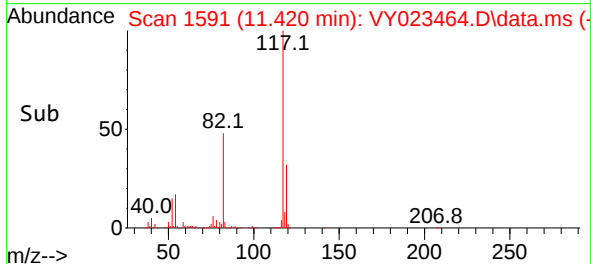
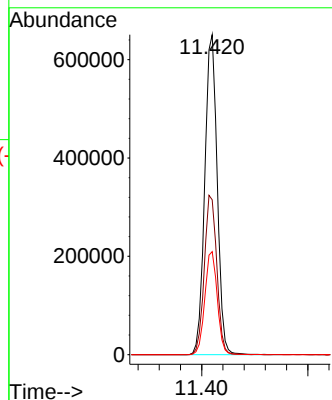
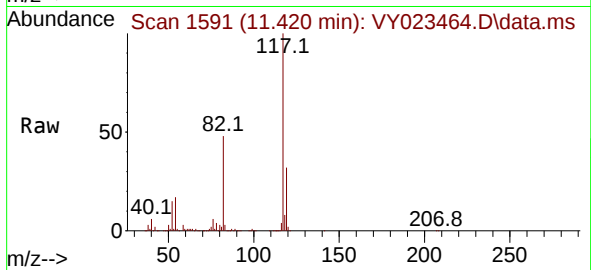
Tgt Ion:117 Resp: 1055953

Ion Ratio Lower Upper

117 100

82 48.4 41.0 61.4

119 32.2 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: VY023464.D

Acq: 14 Oct 2025 16:02

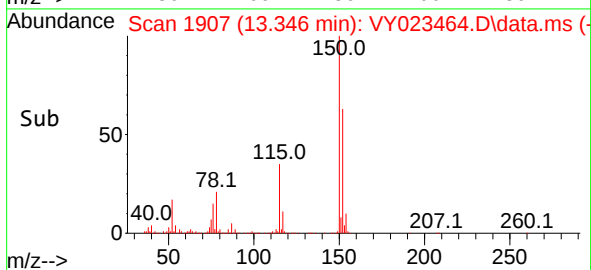
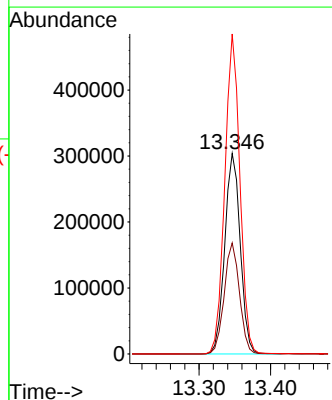
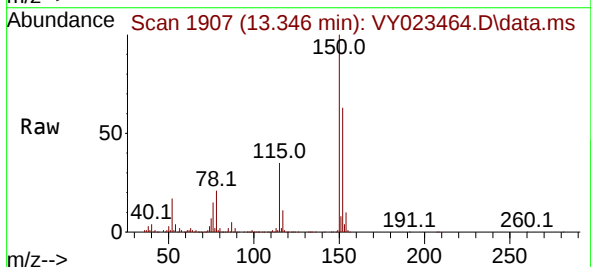
Tgt Ion:152 Resp: 456928

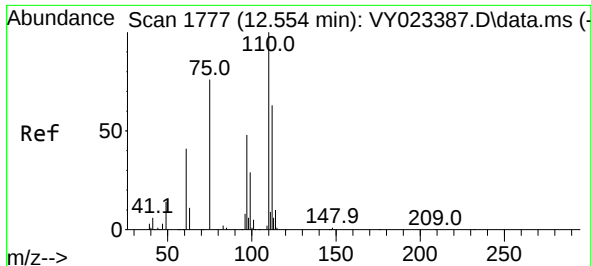
Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.2

150 155.7 0.0 347.4

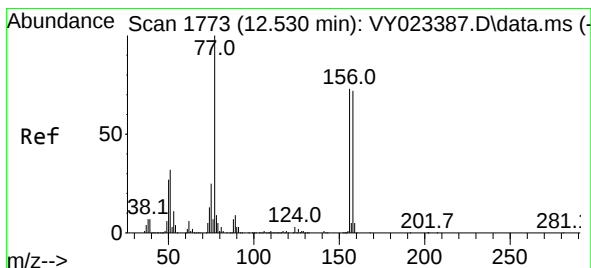
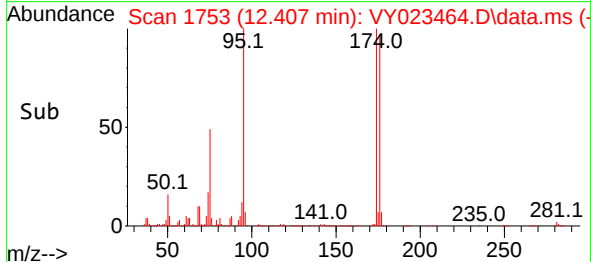
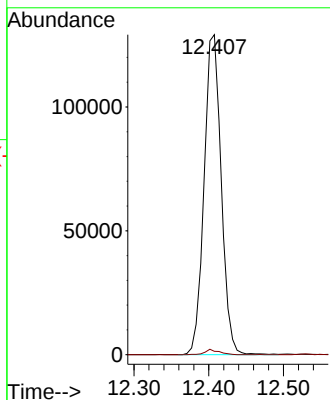
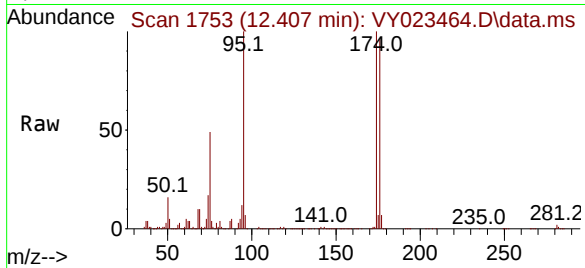




#76
1,2,3-Trichloropropane
Concen: 51.036 ug/l
RT: 12.407 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

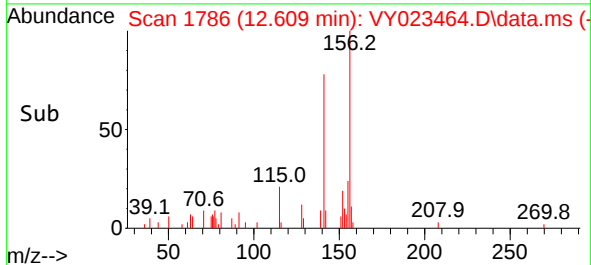
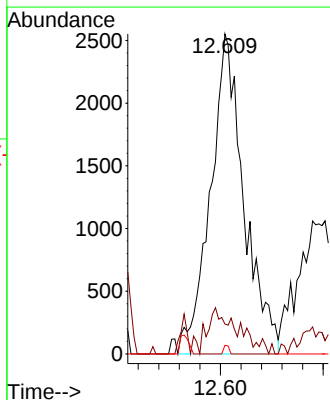
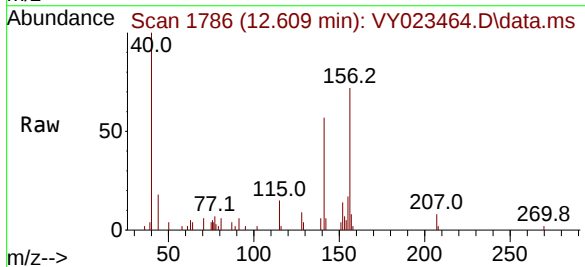
Instrument :
MSVOA_Y
ClientSampleId :
TANK-FARM-SOIL

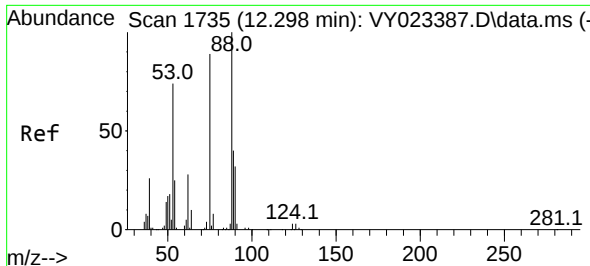
Tgt Ion: 75 Resp: 205741
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#77
Bromobenzene
Concen: 1.438 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.079 min
Lab File: VY023464.D
Acq: 14 Oct 2025 16:02

Tgt Ion: 156 Resp: 11512
Ion Ratio Lower Upper
156 100
77 9.3 76.8 230.5#
158 0.4 49.0 147.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.149 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023464.D
 Acq: 14 Oct 2025 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 TANK-FARM-SOIL

Tgt Ion: 75 Resp: 205741
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

