

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022621.D
 Acq On : 09 Jun 2025 11:39
 Operator : SY/MD
 Sample : Q2240-03
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Jun 10 01:27:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

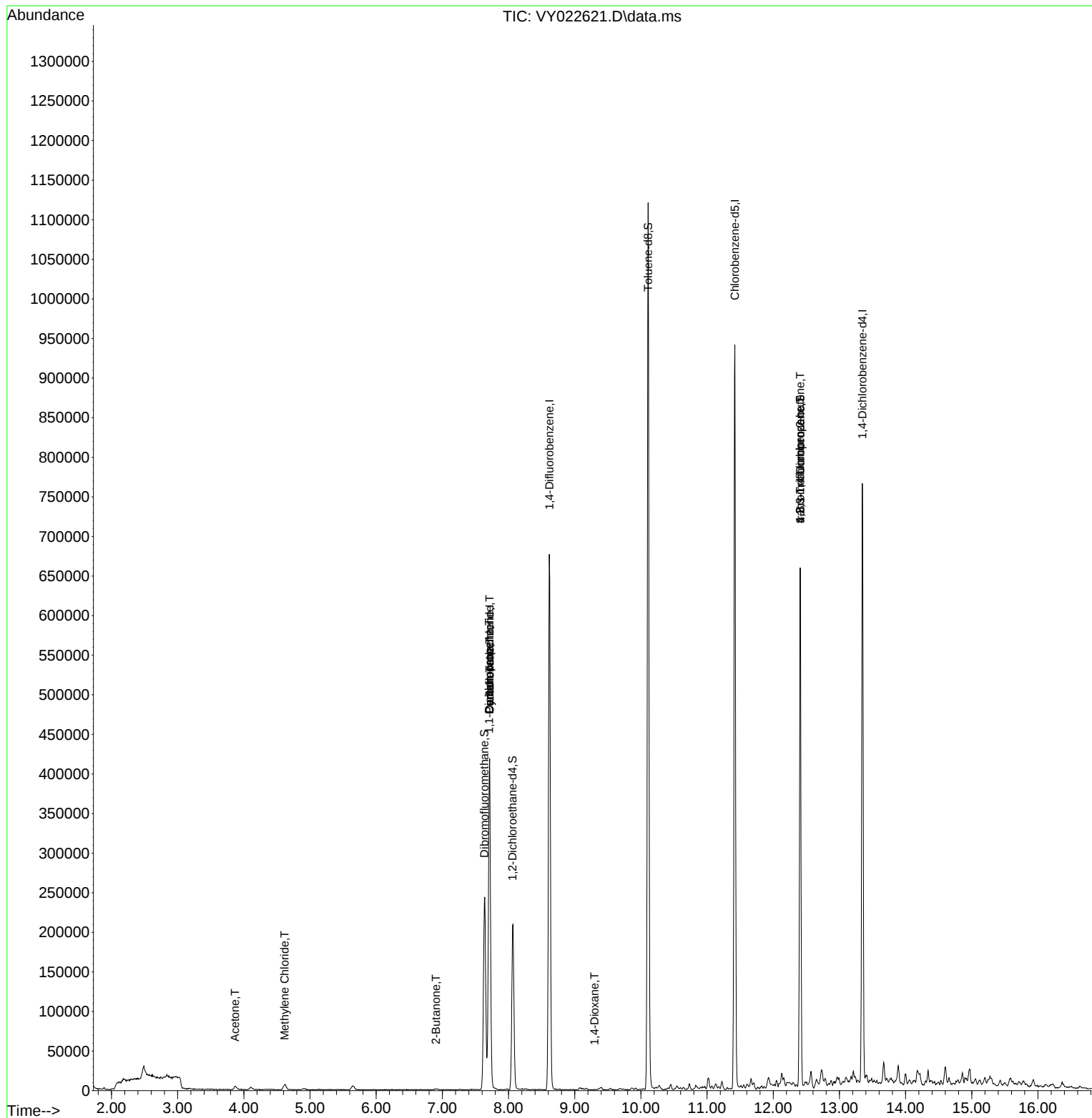
Internal Standards						
1) Pentafluorobenzene	7.713	168	304817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	558114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	456364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	174244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160234	47.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.000%
35) Dibromofluoromethane	7.634	113	165082	49.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.120%
50) Toluene-d8	10.109	98	680480	50.554	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.100%
62) 4-Bromofluorobenzene	12.407	95	170557	42.527	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.060%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	8145	11.764	ug/l	91
20) Methylene Chloride	4.616	84	4288	1.090	ug/l	97
25) 2-Butanone	6.902	43	2025	2.028	ug/l	98
31) Cyclohexane	7.713	56	8961	1.368	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	27720	5.127	ug/l #	50
38) Carbon Tetrachloride	7.713	117	31326	5.648	ug/l #	16
49) 1,4-Dioxane	9.298	88	27	1.073	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	103398	51.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	103398	125.262	ug/l #	10

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

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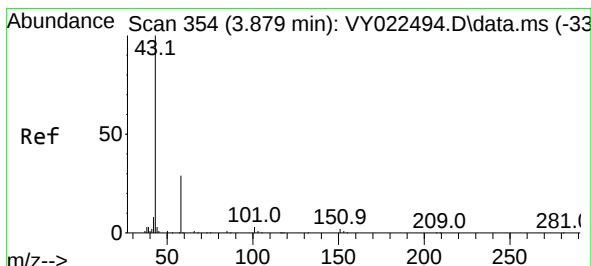
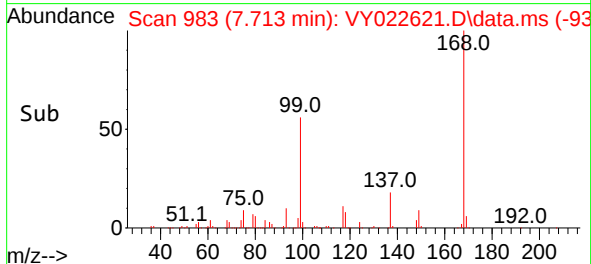
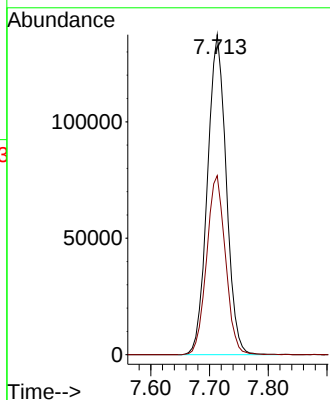
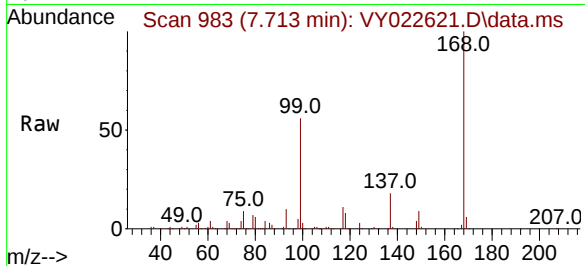




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

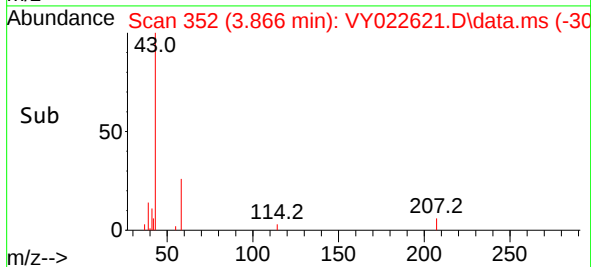
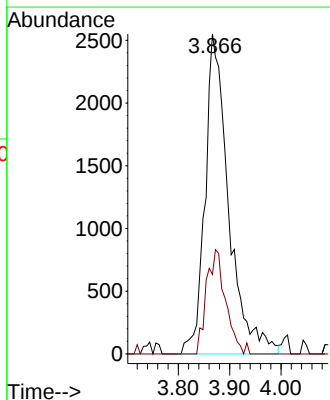
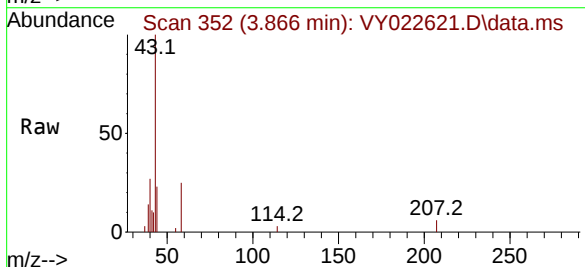
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

Tgt Ion:168 Resp: 304817
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 11.764 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion: 43 Resp: 8145
Ion Ratio Lower Upper
43 100
58 24.9 24.0 36.0

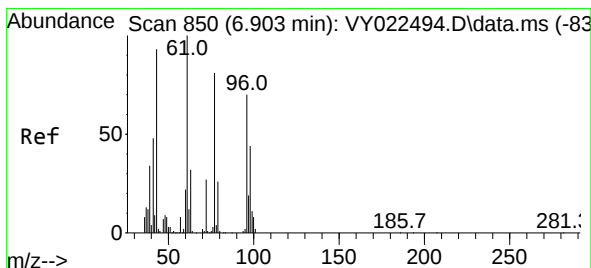
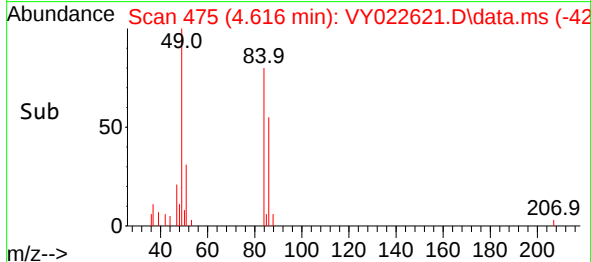
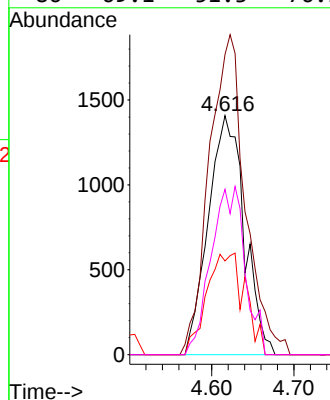
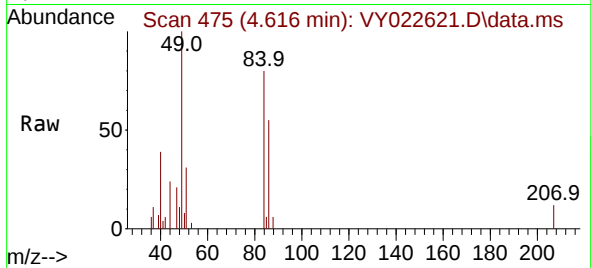




#20
Methylene Chloride
Concen: 1.090 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

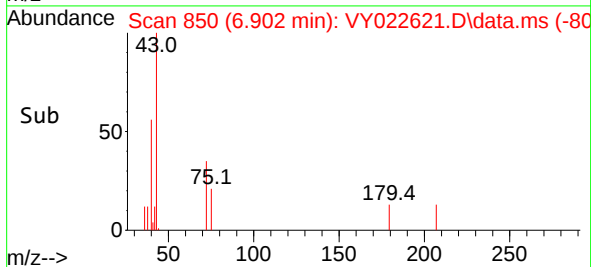
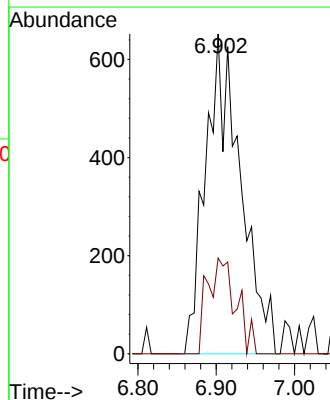
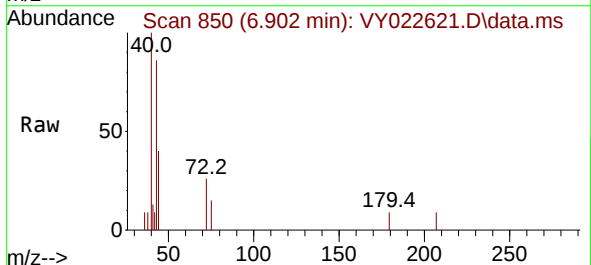
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

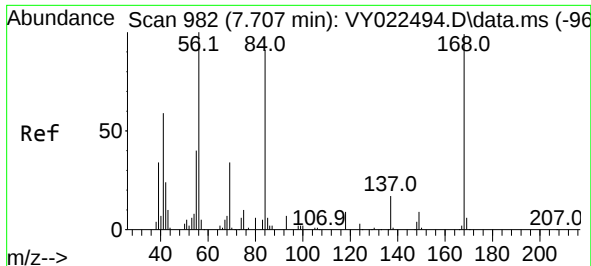
Tgt Ion: 84	Resp: 4288		
Ion	Ratio	Lower	Upper
84	100		
49	125.6	101.9	152.9
51	39.2	29.8	44.8
86	69.1	51.3	76.9



#25
2-Butanone
Concen: 2.028 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion: 43	Resp: 2025		
Ion Ratio	Lower	Upper	
43 100			
72 29.9	22.9	34.3	

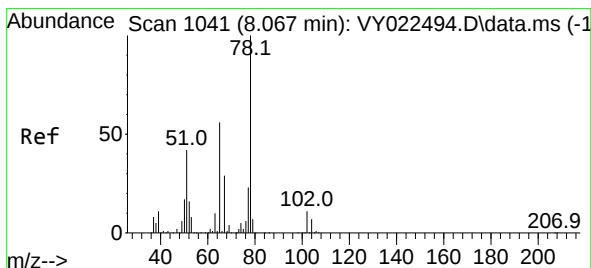
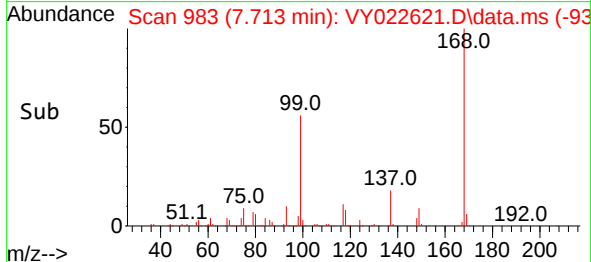
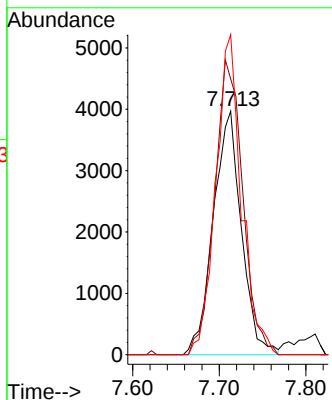
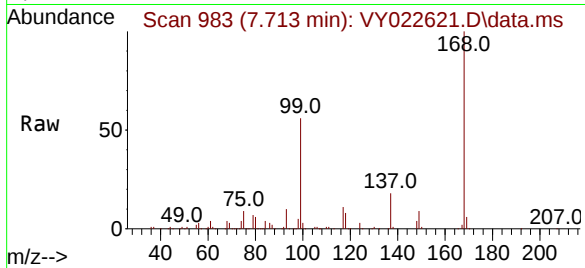




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

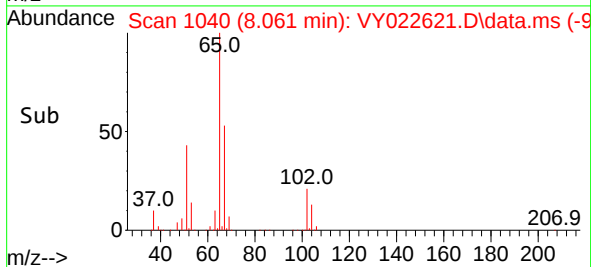
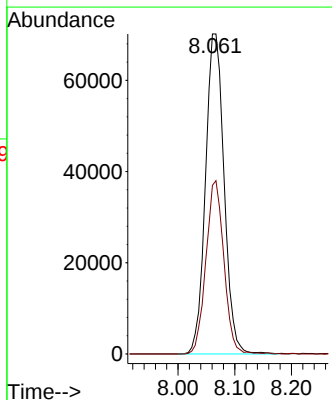
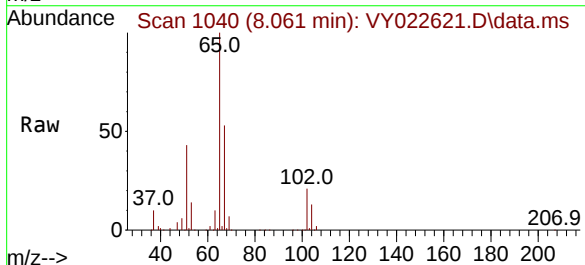
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

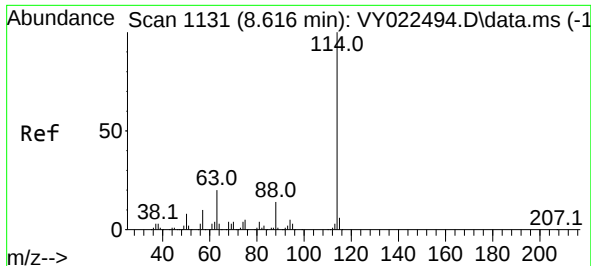
Tgt Ion: 56 Resp: 8961
Ion Ratio Lower Upper
56 100
69 113.2 27.0 40.6#
84 131.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 47.000 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion: 65 Resp: 160234
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

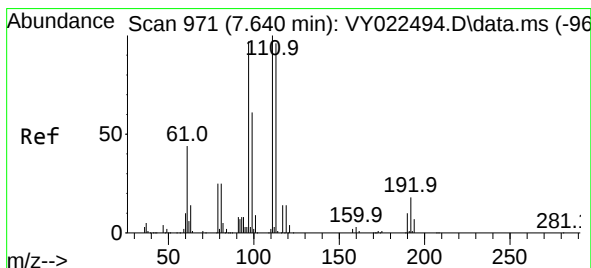
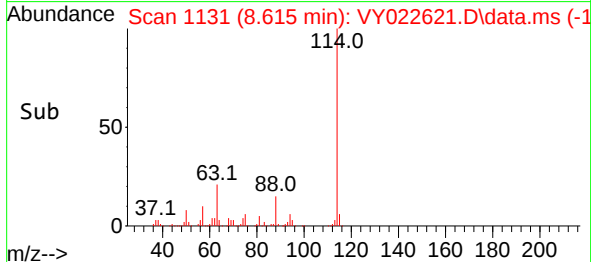
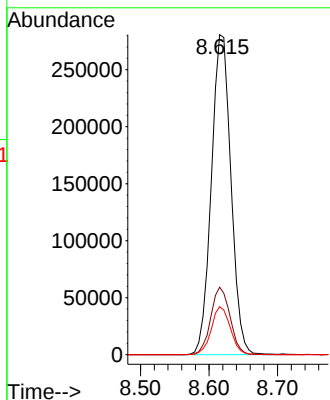
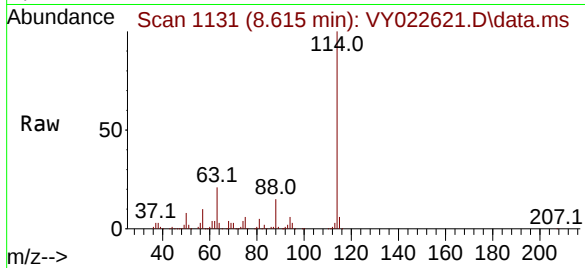




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

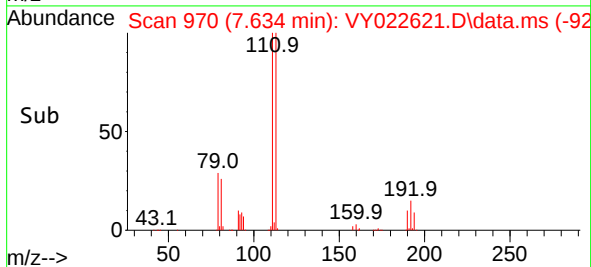
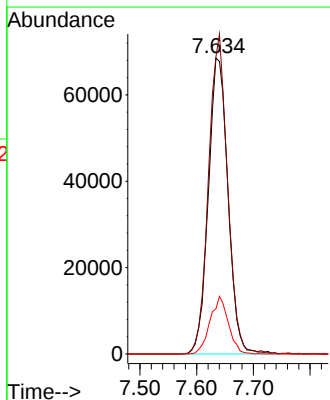
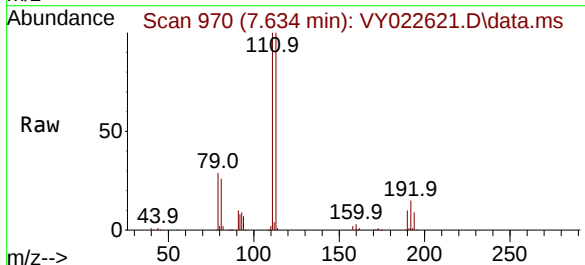
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

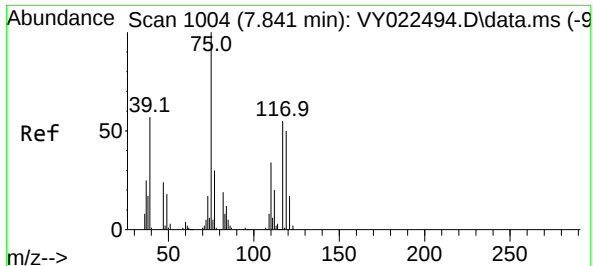
Tgt Ion:114 Resp: 558114
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.555 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion:113 Resp: 165082
Ion Ratio Lower Upper
113 100
111 104.6 81.1 121.7
192 18.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022621.D

Acq: 09 Jun 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

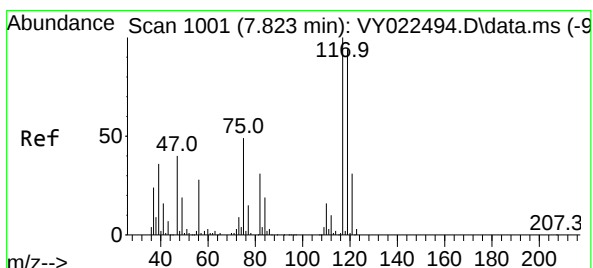
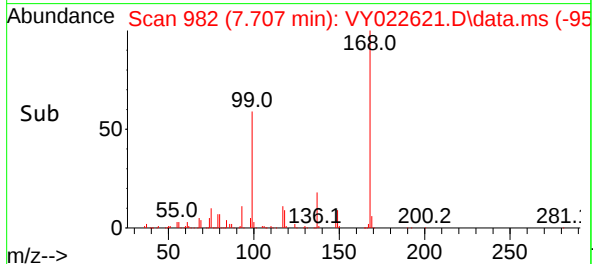
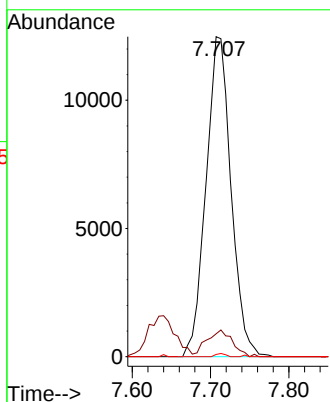
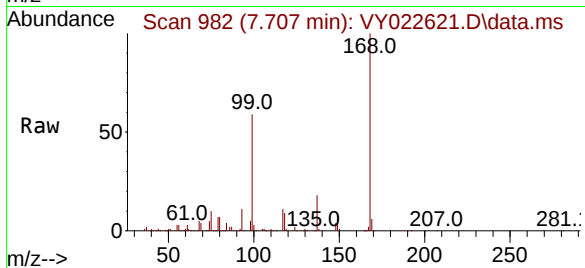
Tgt Ion: 75 Resp: 27720

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.648 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022621.D

Acq: 09 Jun 2025 11:39

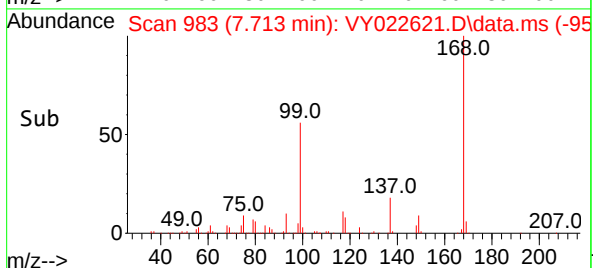
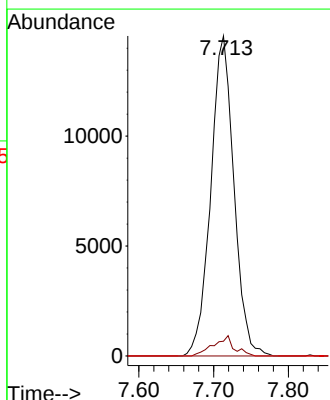
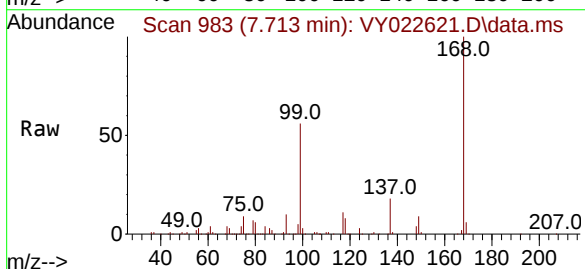
Tgt Ion: 117 Resp: 31326

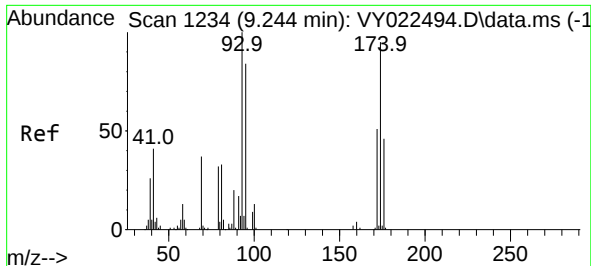
Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

121 0.0 25.0 37.4#

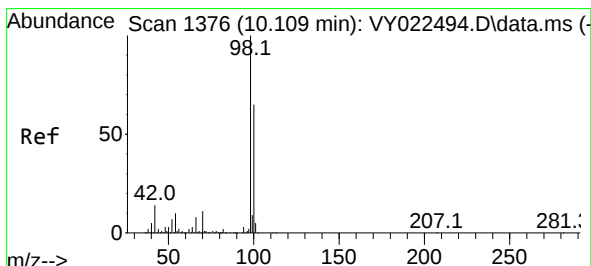
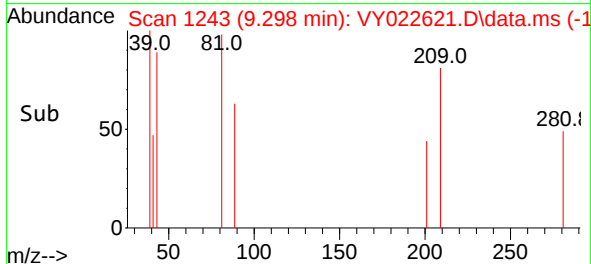
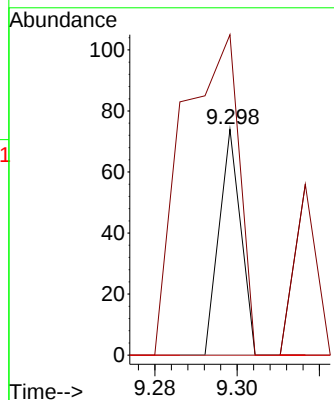
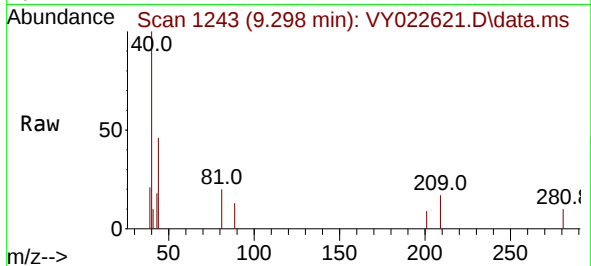




#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 9.298 min Scan# 1243
Delta R.T. 0.055 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

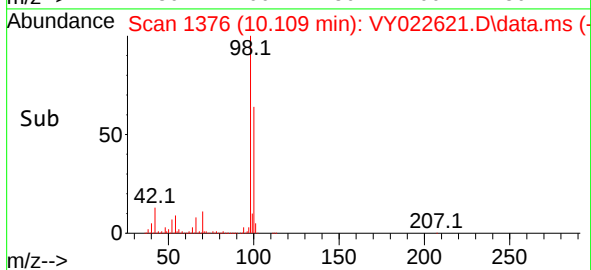
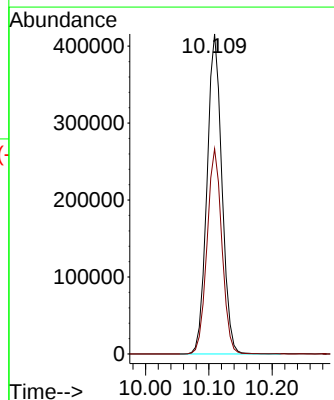
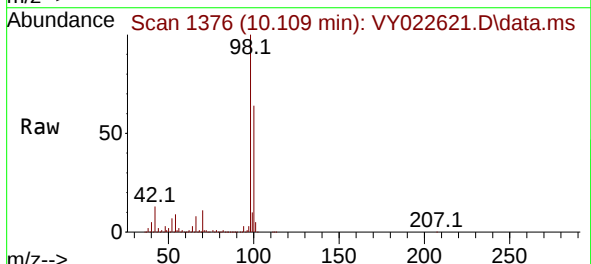
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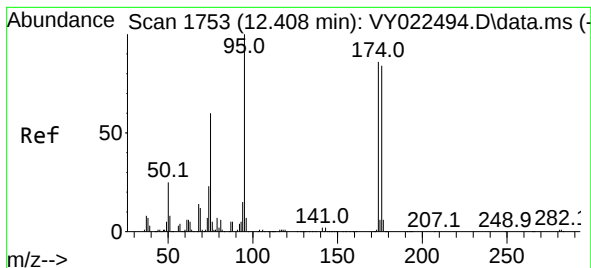
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 370.4 25.4 38.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 50.554 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion: 98 Resp: 680480
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

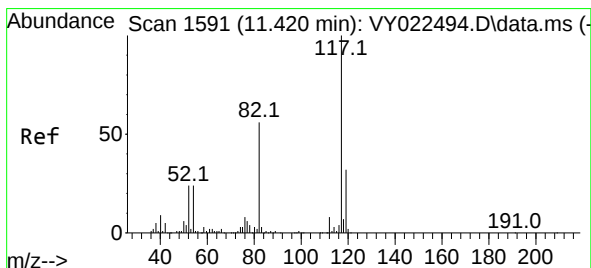
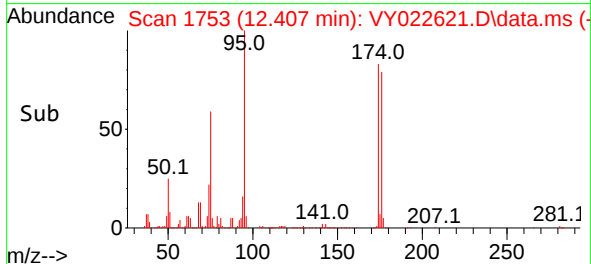
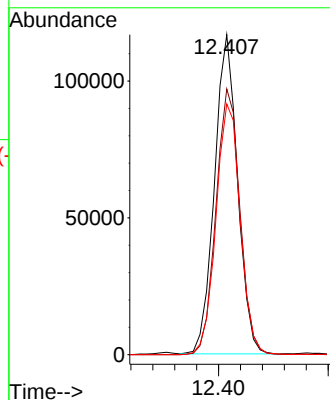
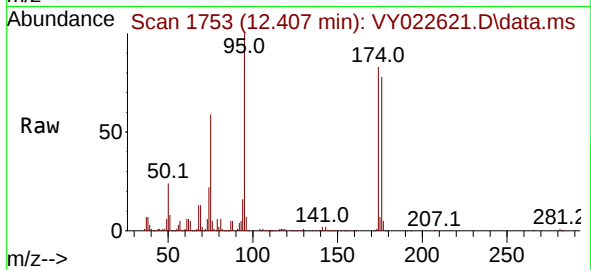




#62
4-Bromofluorobenzene
Concen: 42.527 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

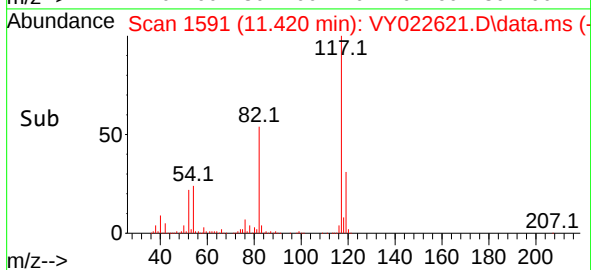
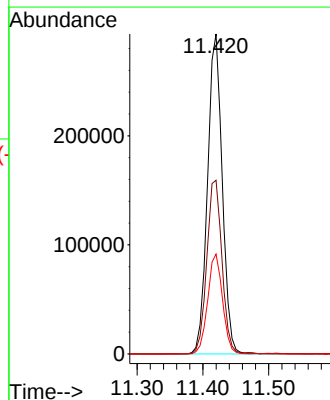
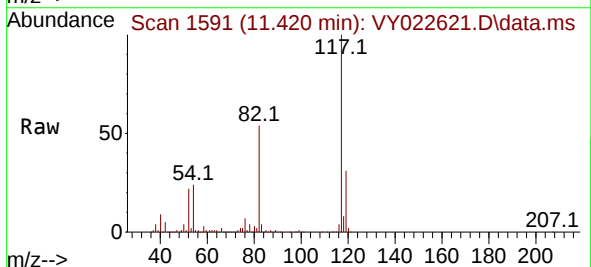
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

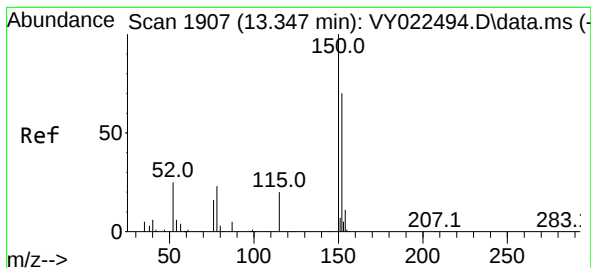
Tgt Ion: 95 Resp: 170557
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 82.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022621.D
Acq: 09 Jun 2025 11:39

Tgt Ion: 117 Resp: 456364
Ion Ratio Lower Upper
117 100
82 54.3 44.6 66.8
119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022621.D

Acq: 09 Jun 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

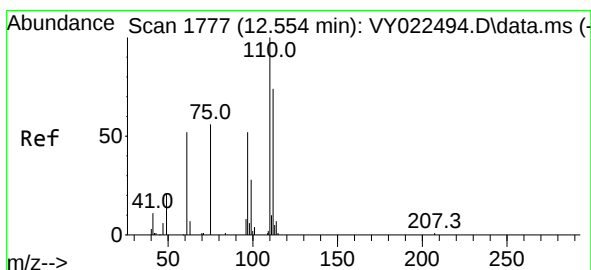
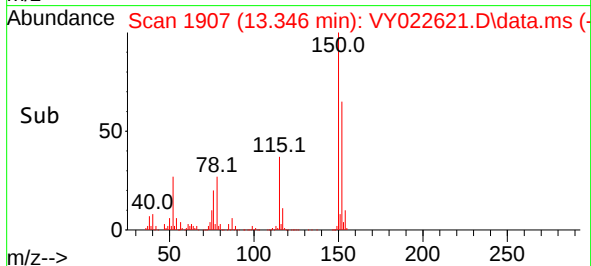
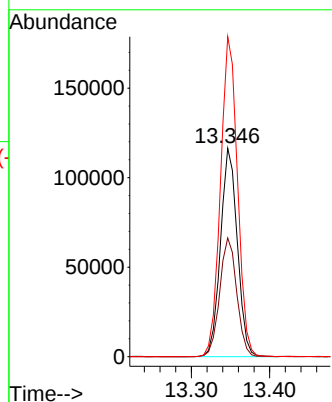
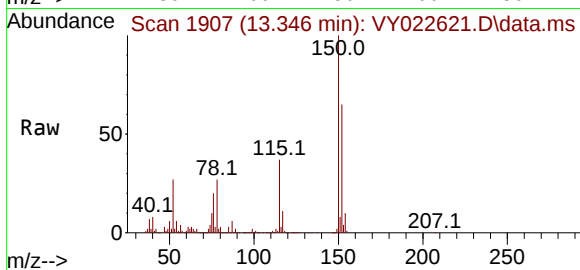
Tgt Ion:152 Resp: 174244

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 154.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.870 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022621.D

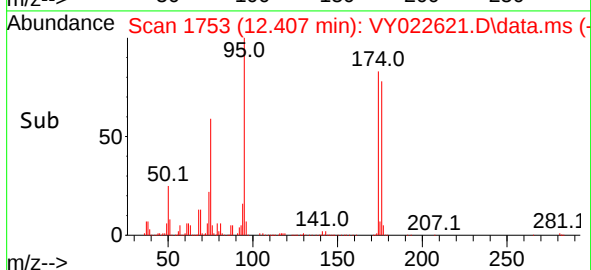
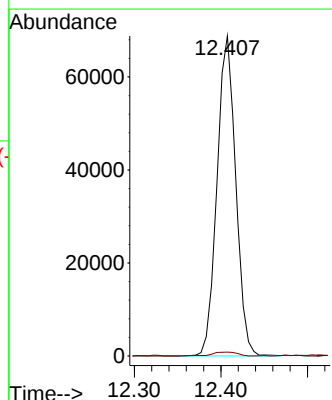
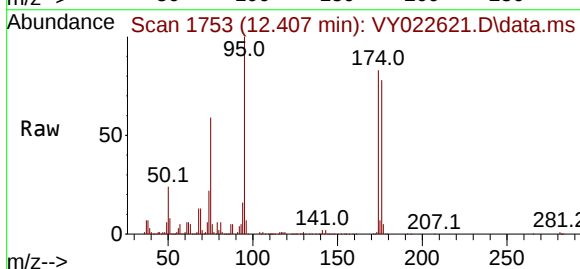
Acq: 09 Jun 2025 11:39

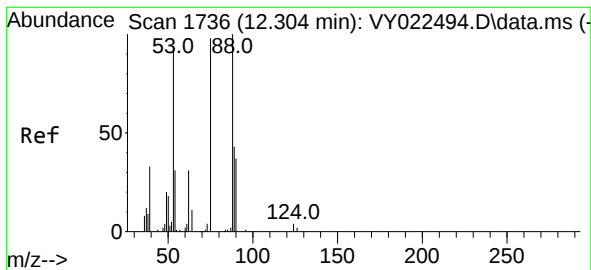
Tgt Ion: 75 Resp: 103398

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.262 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY022621.D
 Acq: 09 Jun 2025 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Tgt Ion: 75 Resp: 103398
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

