

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012124.D
 Acq On : 09 Jan 2023 20:28
 Operator : KP/MD
 Sample : 01057-03
 Misc : 6.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-2

Quant Time: Jan 10 01:51:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

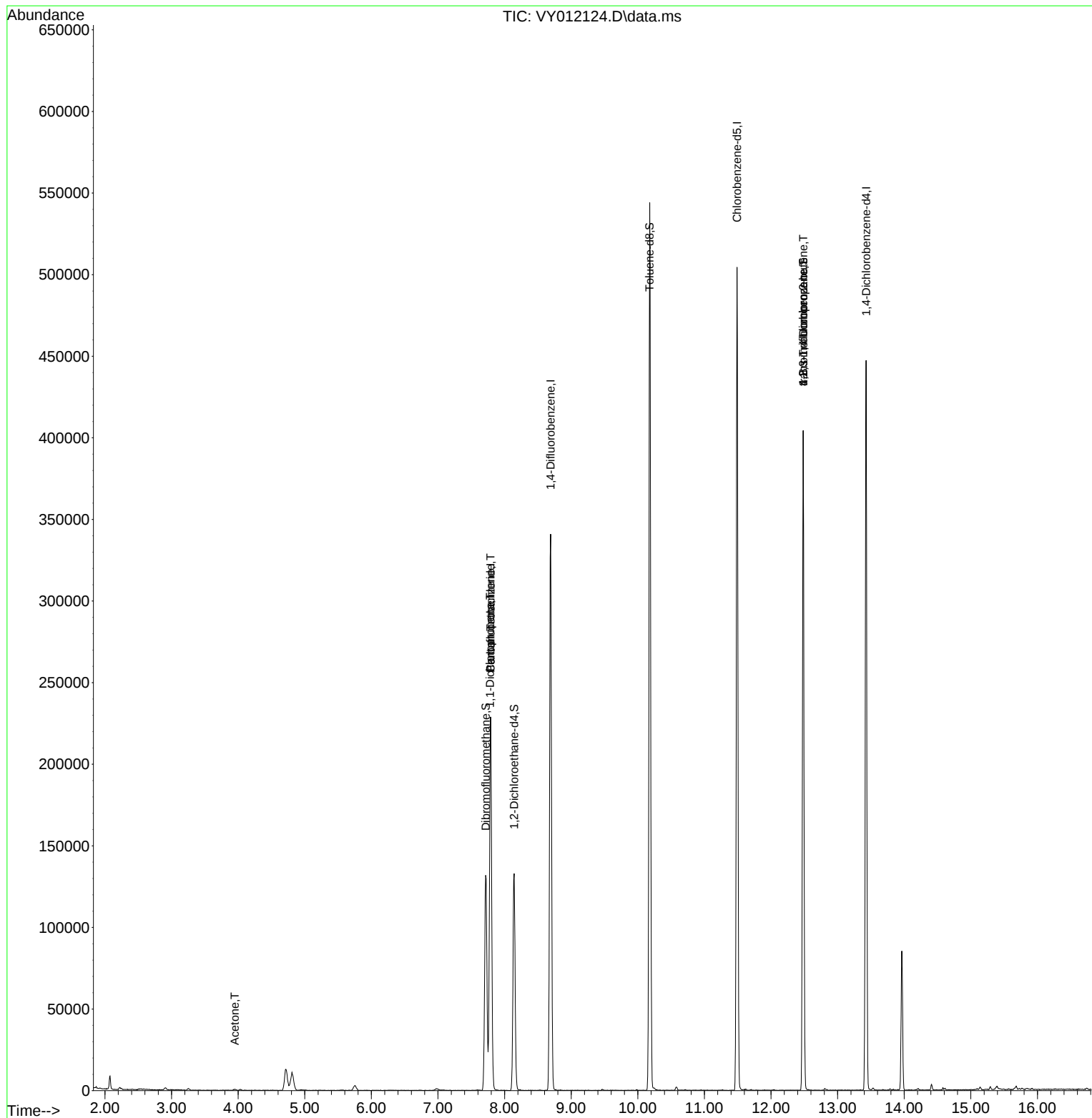
Internal Standards						
1) Pentafluorobenzene	7.789	168	178919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109494	54.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.920%	
35) Dibromofluoromethane	7.716	113	92538	46.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.160%	
50) Toluene-d8	10.179	98	362997	45.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.600%	
62) 4-Bromofluorobenzene	12.483	95	113146	40.838	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	18	Below Cal	#	41
3) Chloromethane	2.113	50	103	Below Cal	#	41
11) Tert butyl alcohol	4.966	59	1054	Below Cal	#	74
16) Acetone	3.948	43	1090	2.305	ug/l	99
20) Methylene Chloride	4.716	84	10746	Below Cal	#	84
31) Cyclohexane	7.783	56	3525	Below Cal	#	30
36) 1,1-Dichloropropene	7.783	75	12356	4.055	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	18240	4.717	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	61549	44.783	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	61549	99.456	ug/l	# 13

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

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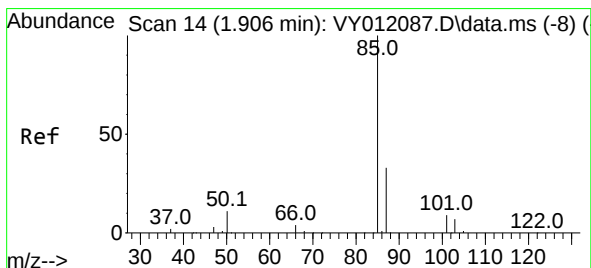
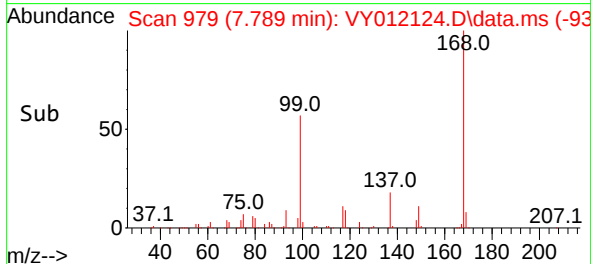
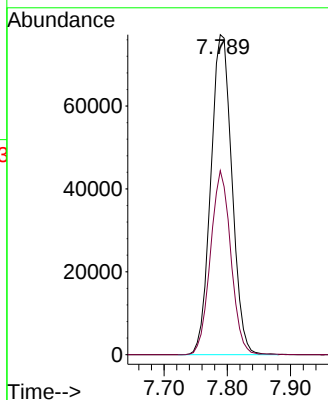
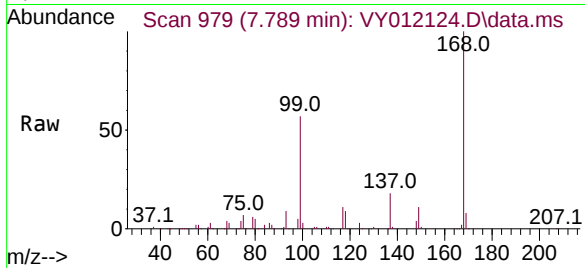




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

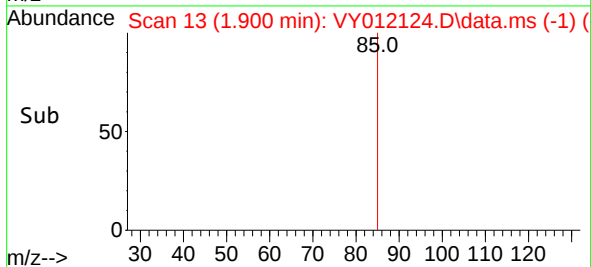
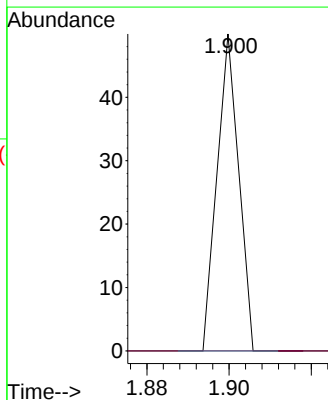
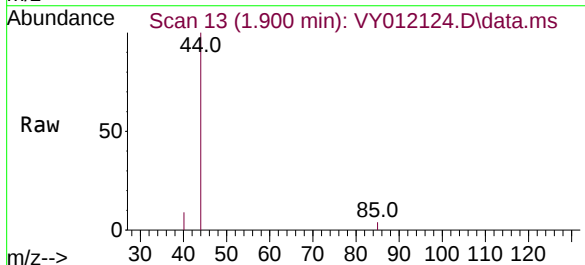
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

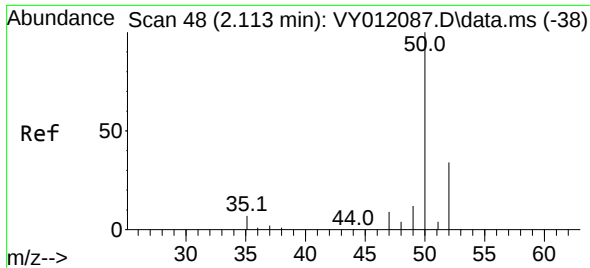
Tgt Ion:168 Resp: 178919
Ion Ratio Lower Upper
168 100
99 57.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 85 Resp: 18
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

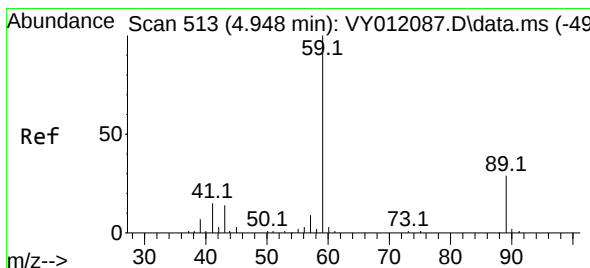
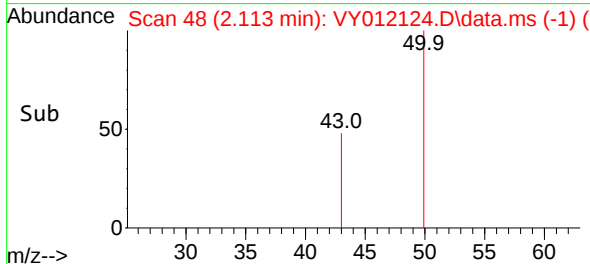
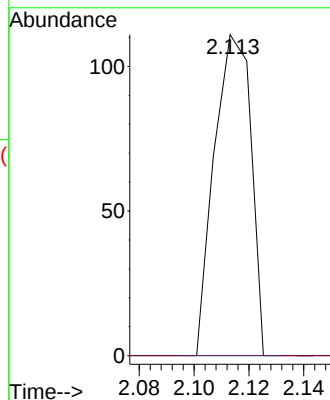
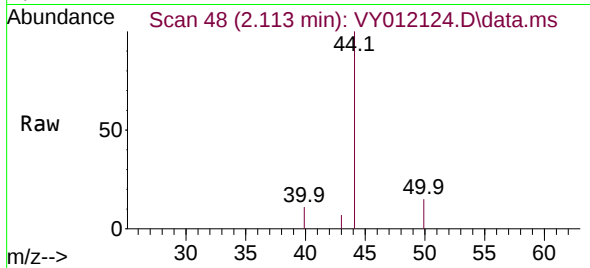




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

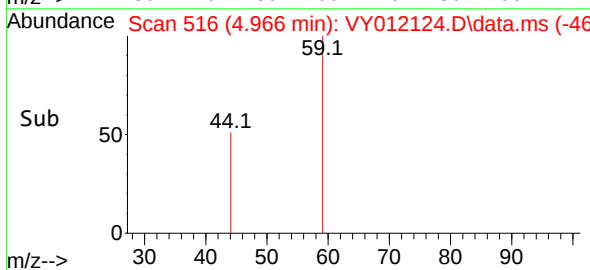
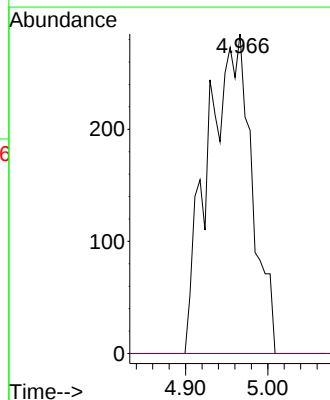
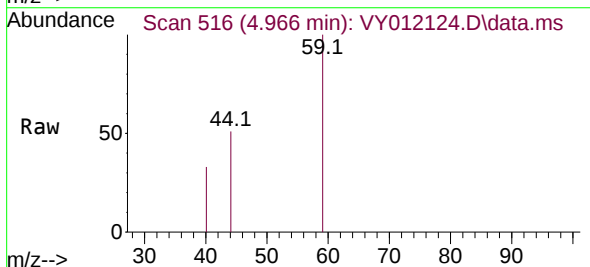
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

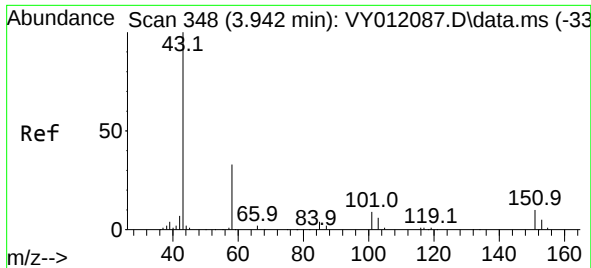
Tgt Ion: 50 Resp: 103
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 59 Resp: 1054
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.305 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012124.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA_Y

ClientSampleId :

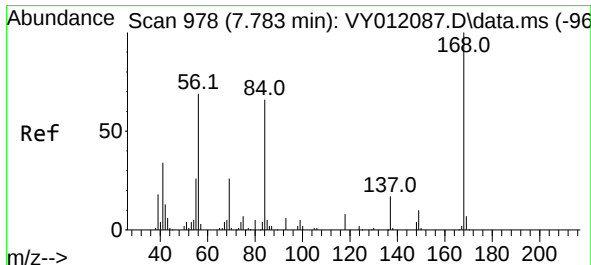
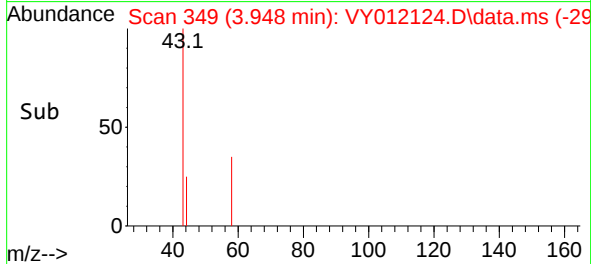
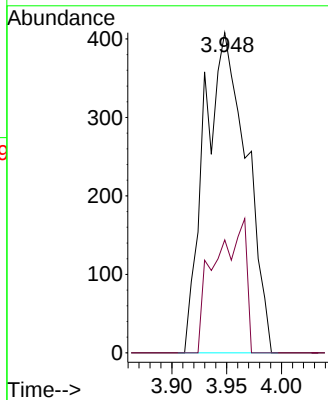
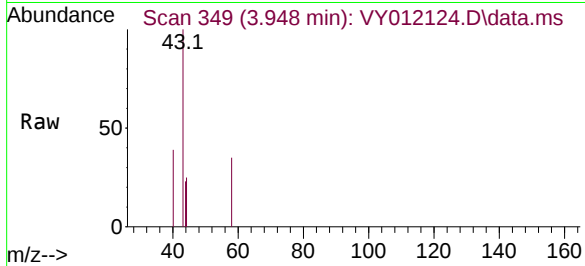
VOC-2

Tgt Ion: 43 Resp: 1090

Ion Ratio Lower Upper

43 100

58 35.3 27.9 41.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012124.D

Acq: 09 Jan 2023 20:28

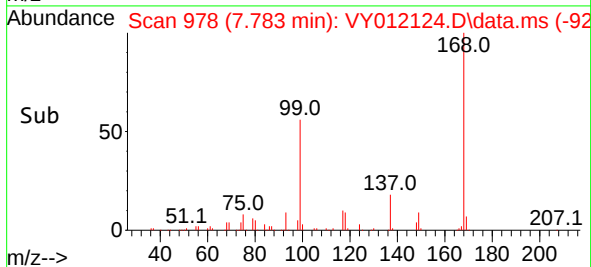
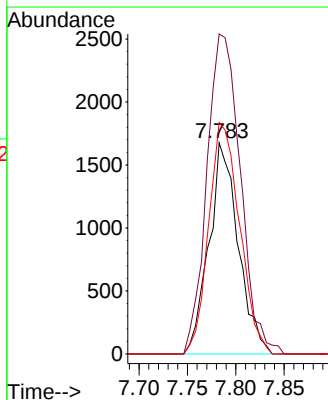
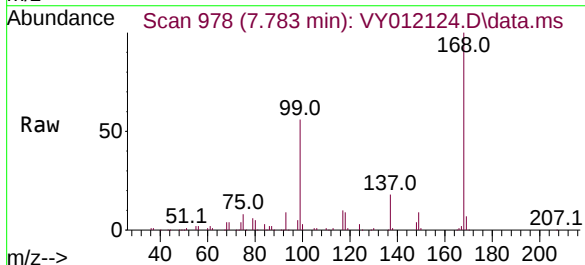
Tgt Ion: 56 Resp: 3525

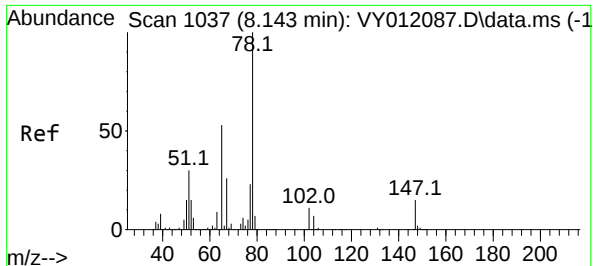
Ion Ratio Lower Upper

56 100

69 151.5 29.2 43.8#

84 109.5 72.6 108.8#

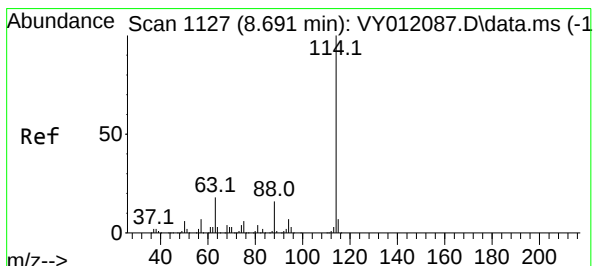
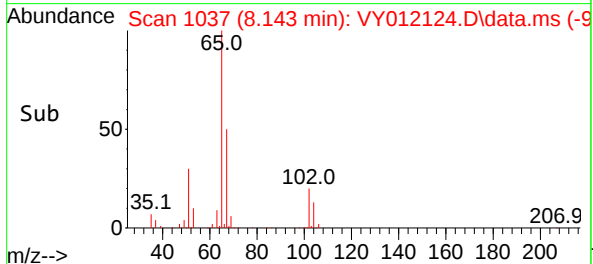
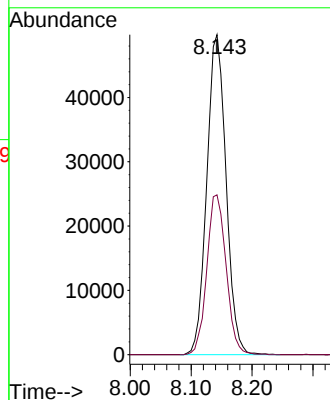
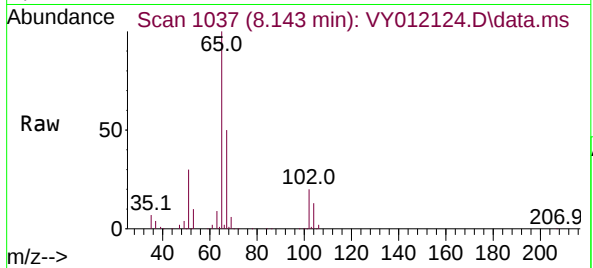




#33
 1,2-Dichloroethane-d4
 Concen: 54.463 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012124.D
 Acq: 09 Jan 2023 20:28

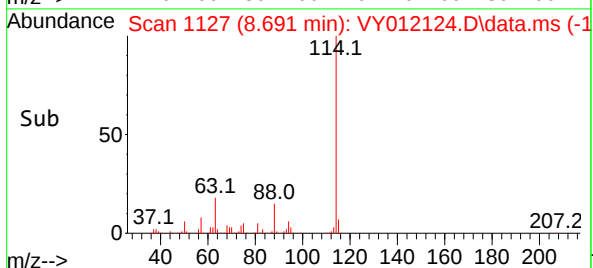
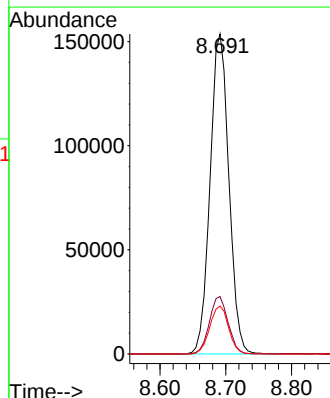
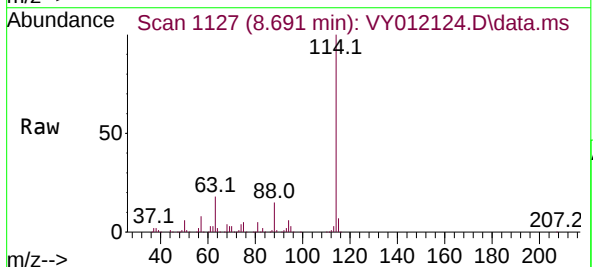
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-2

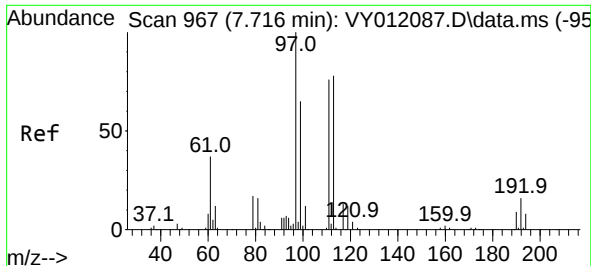
Tgt Ion: 65 Resp: 109494
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012124.D
 Acq: 09 Jan 2023 20:28

Tgt Ion:114 Resp: 305531
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.6
 88 15.0 0.0 32.2

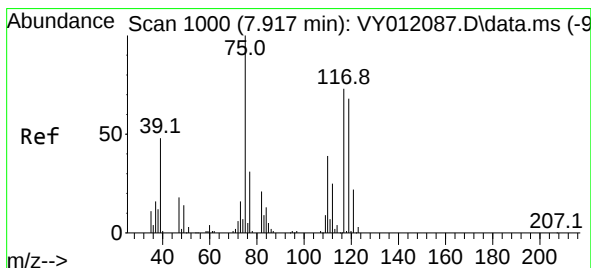
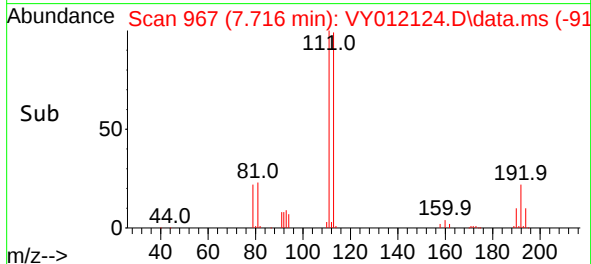
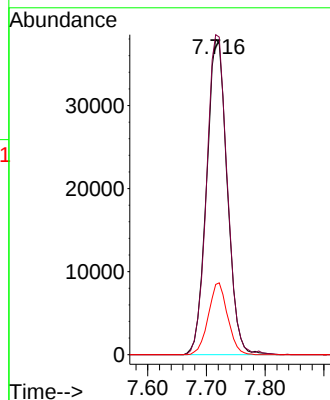
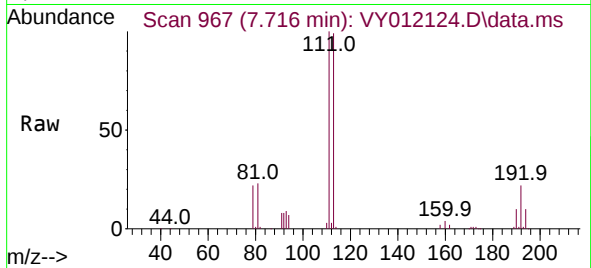




#35
Dibromofluoromethane
Concen: 46.080 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

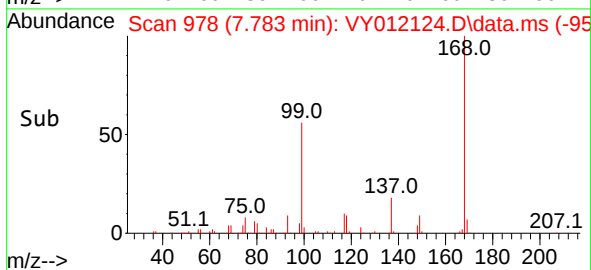
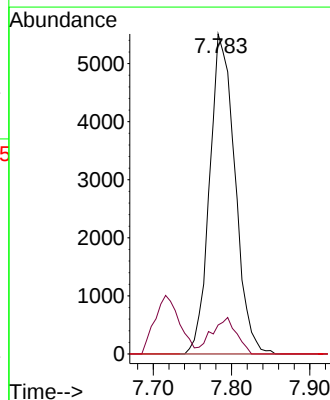
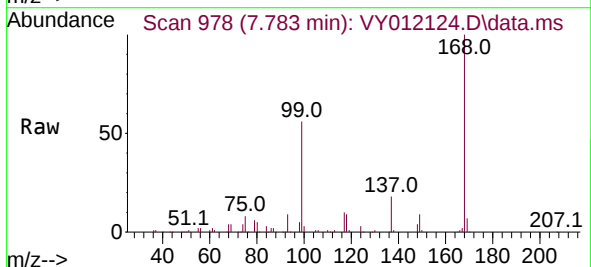
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

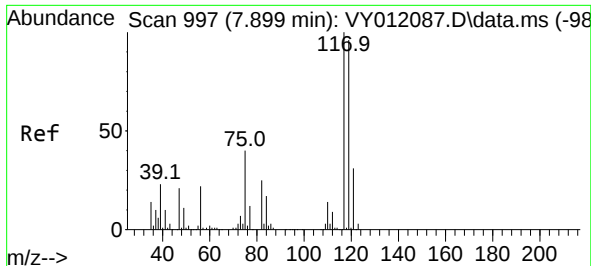
Tgt Ion:113 Resp: 92538
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.055 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 75 Resp: 12356
Ion Ratio Lower Upper
75 100
110 11.3 18.1 54.1#
77 0.0 25.1 37.7#

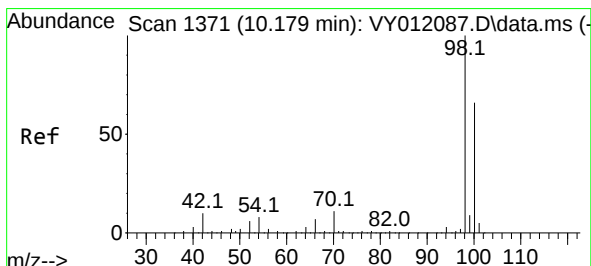
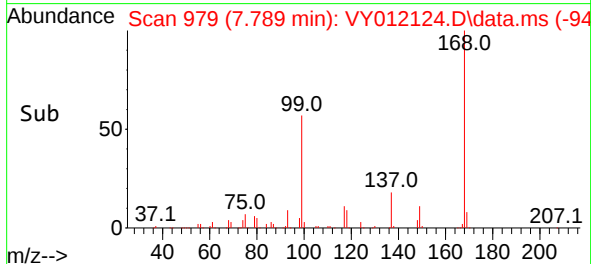
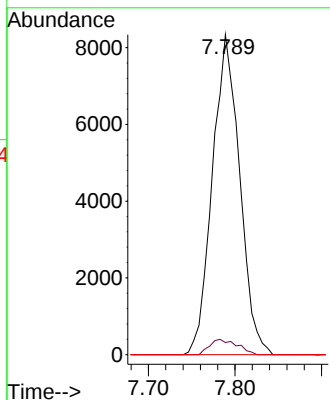
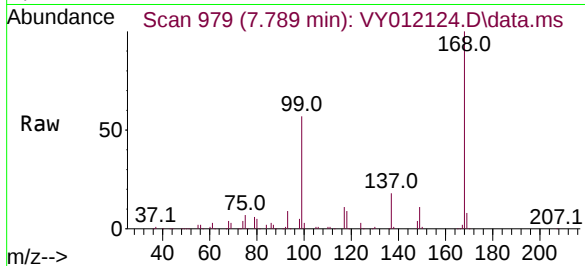




#38
Carbon Tetrachloride
Concen: 4.717 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

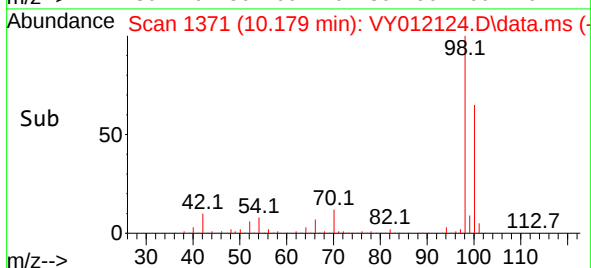
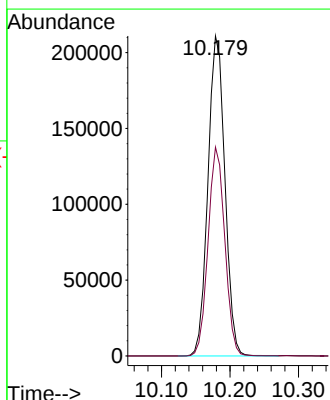
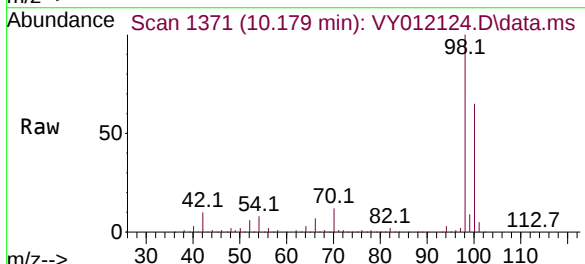
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VOC-2

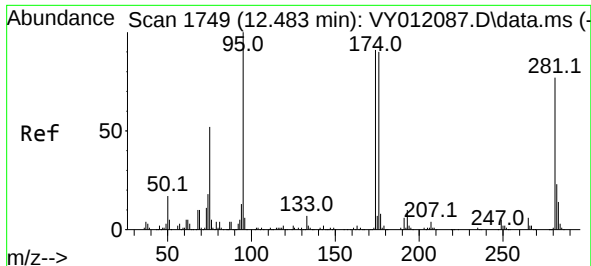
Tgt Ion:117 Resp: 18240
Ion Ratio Lower Upper
117 100
119 3.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.796 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 98 Resp: 362997
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

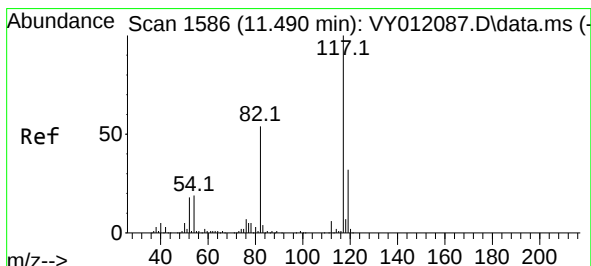
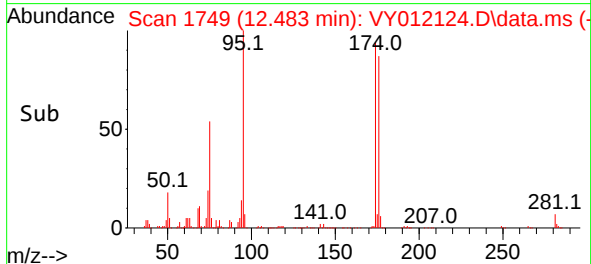
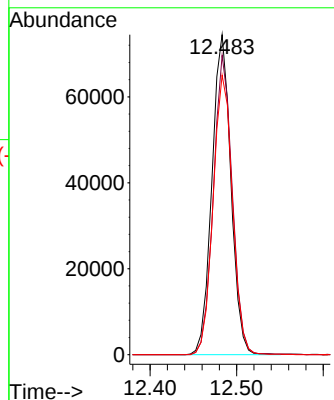
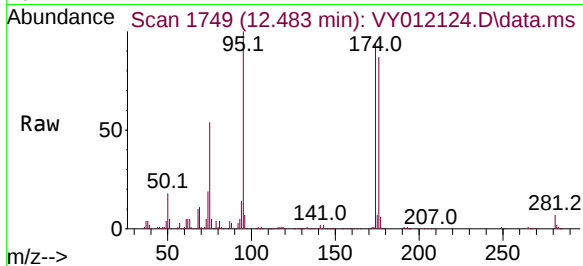




#62
4-Bromofluorobenzene
Concen: 40.838 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

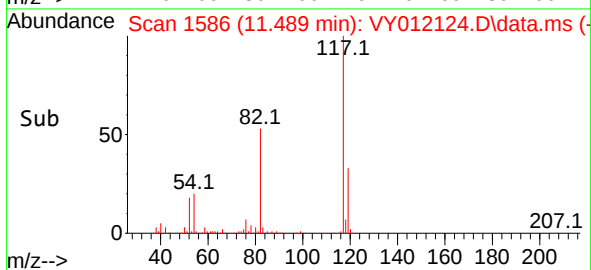
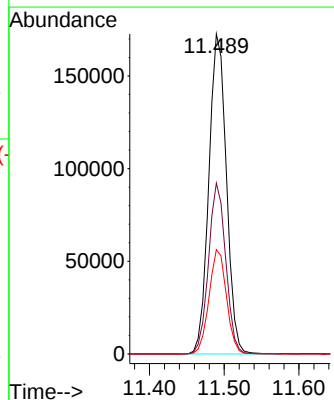
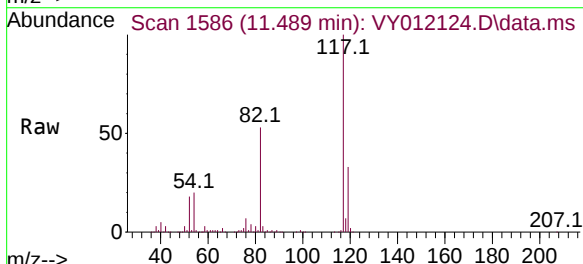
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

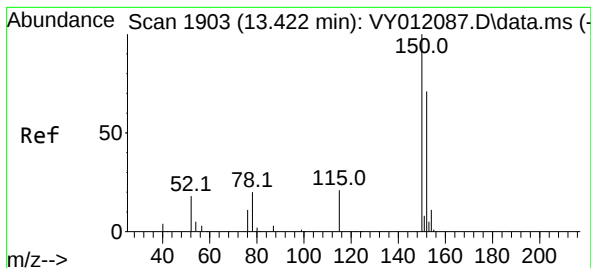
Tgt Ion: 95 Resp: 113146
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 89.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 117 Resp: 281311
Ion Ratio Lower Upper
117 100
82 53.4 44.8 67.2
119 32.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012124.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC-2

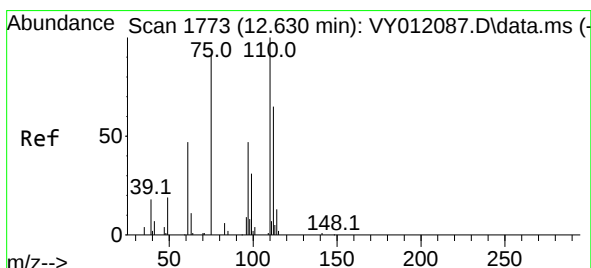
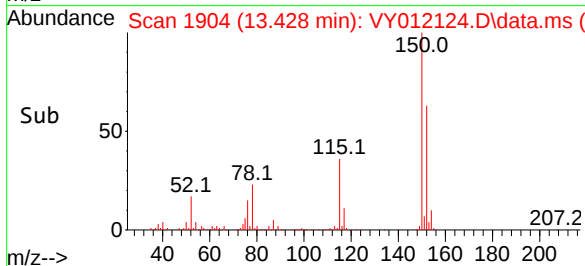
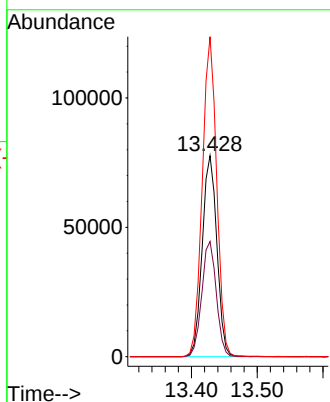
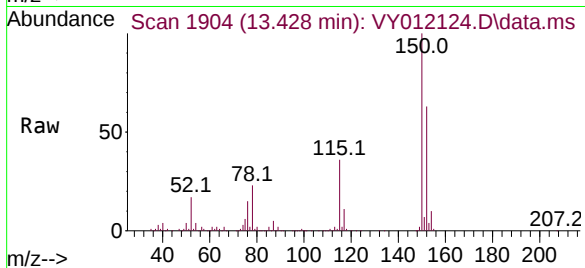
Tgt Ion:152 Resp: 120370

Ion Ratio Lower Upper

152 100

115 56.9 29.1 87.3

150 156.6 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 44.783 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012124.D

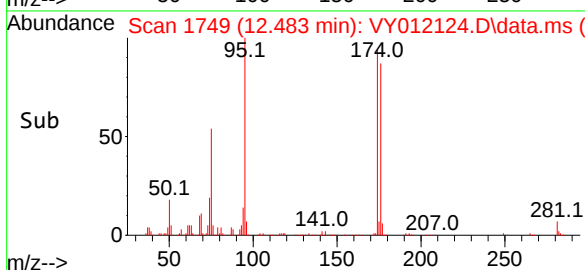
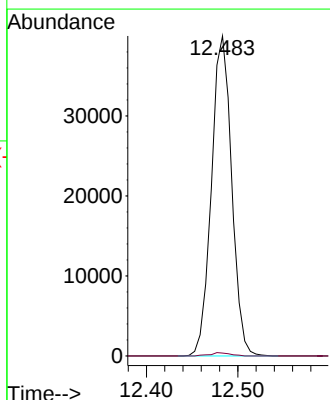
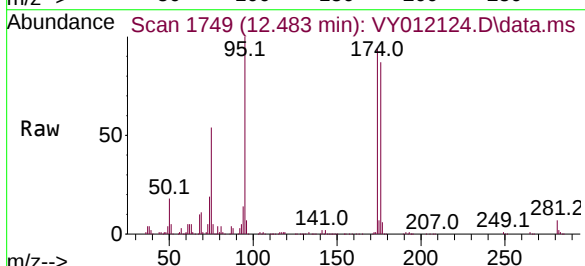
Acq: 09 Jan 2023 20:28

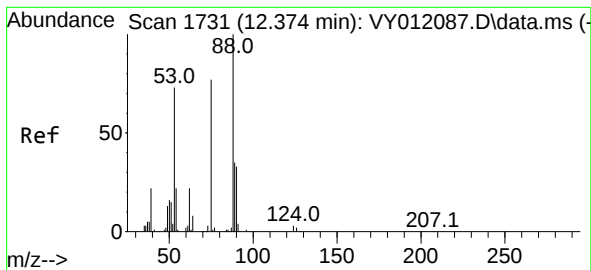
Tgt Ion: 75 Resp: 61549

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.456 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012124.D
 Acq: 09 Jan 2023 20:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-2

Tgt Ion: 75 Resp: 61549
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

