

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013532.D
 Acq On : 01 May 2023 12:15
 Operator : KP/MD
 Sample : VY0501SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBL01

Quant Time: May 01 22:45:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

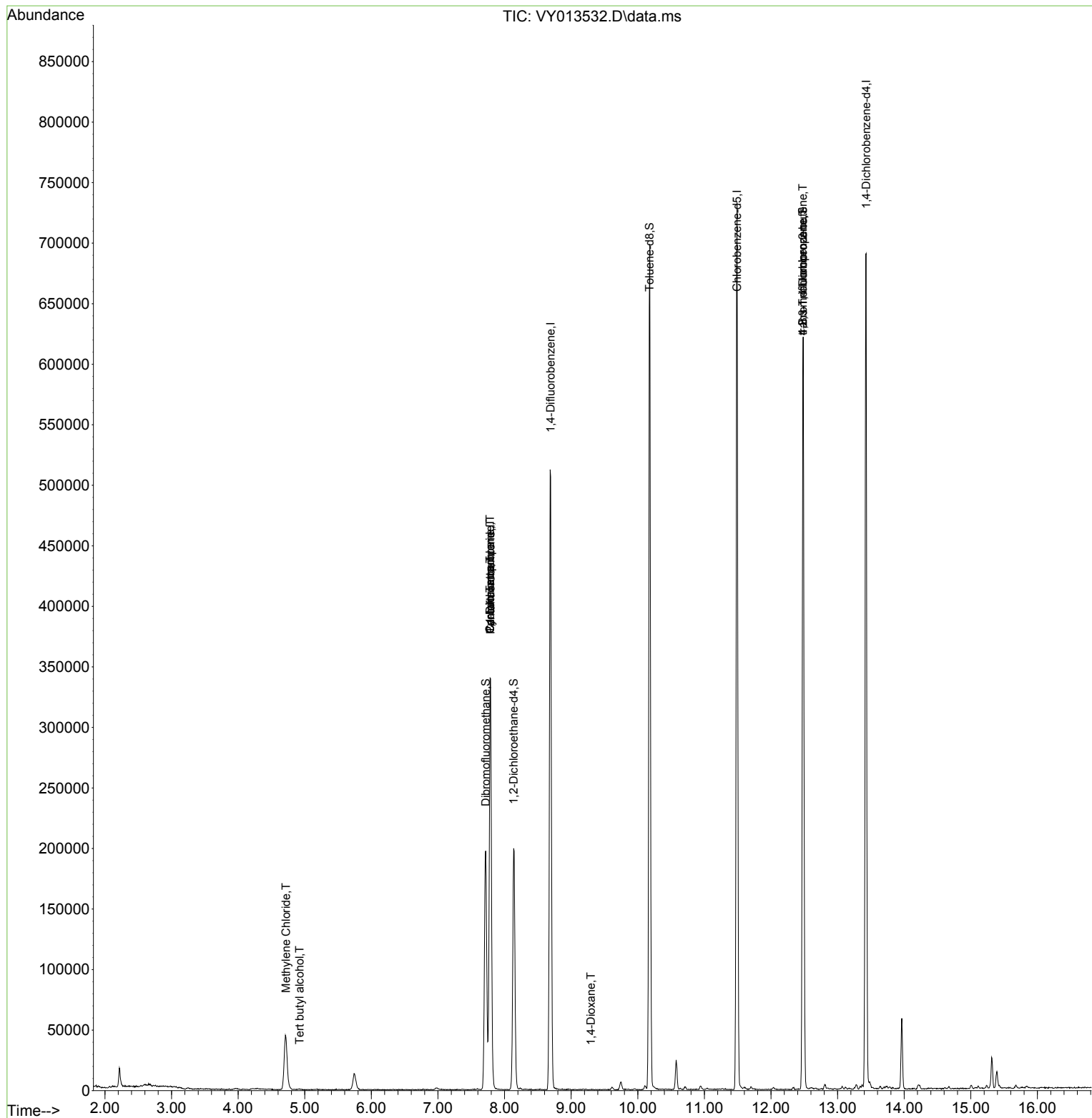
Internal Standards						
1) Pentafluorobenzene	7.789	168	266144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	428914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	392999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	188725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	163969	56.201	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.716	113	141289	52.374	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.740%
50) Toluene-d8	10.179	98	456709	47.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.477	95	155952	48.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	466	2.064	ug/l #	89
13) Acrolein	3.717	56	21	Below Cal	#	16
20) Methylene Chloride	4.716	84	33216	1.358	ug/l	89
31) Cyclohexane	7.783	56	5928	1.135	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	20477	4.574	ug/l #	49
38) Carbon Tetrachloride	7.783	117	26111	5.564	ug/l #	15
49) 1,4-Dioxane	9.295	88	34	1.207	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	83061	32.635	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83061	66.756	ug/l #	13

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

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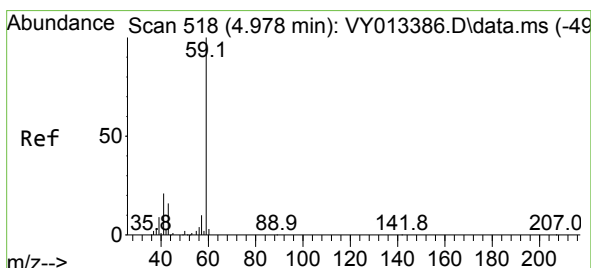
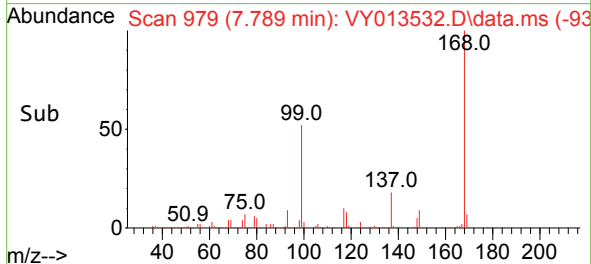
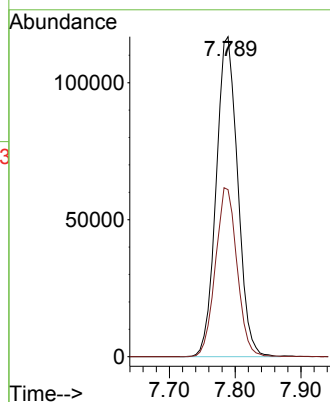
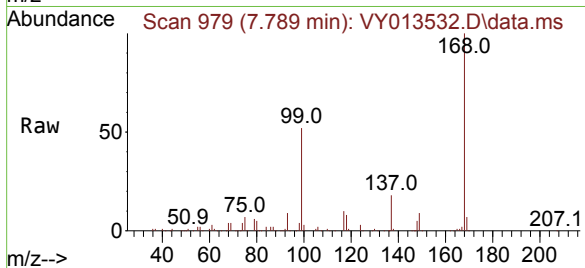




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

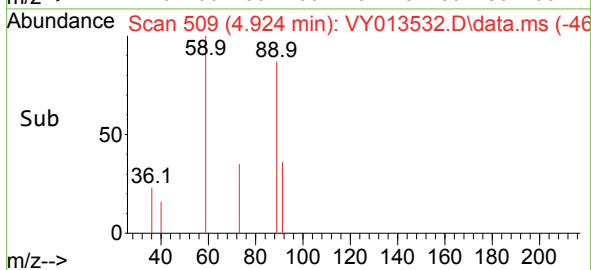
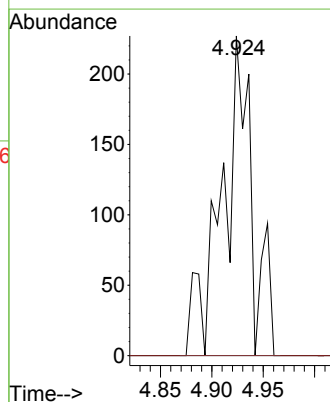
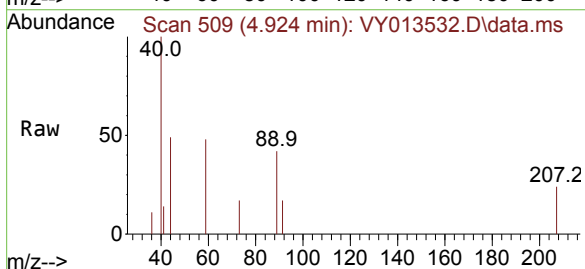
Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

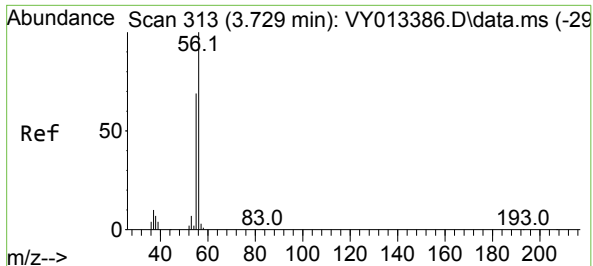
Tgt Ion:168 Resp: 266144
Ion Ratio Lower Upper
168 100
99 52.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.064 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.054 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

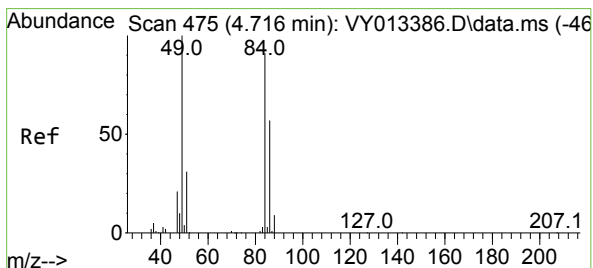
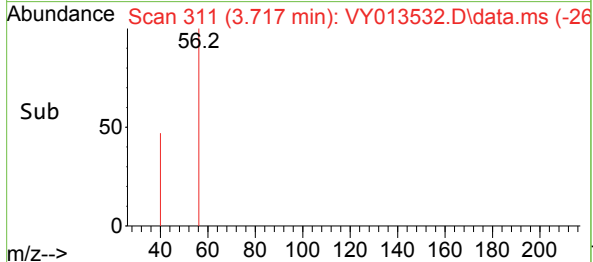
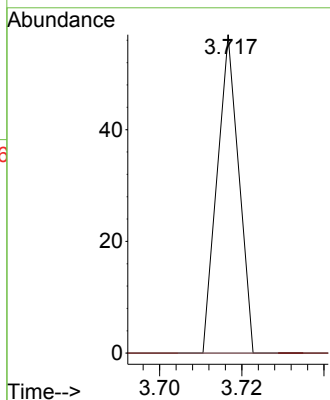
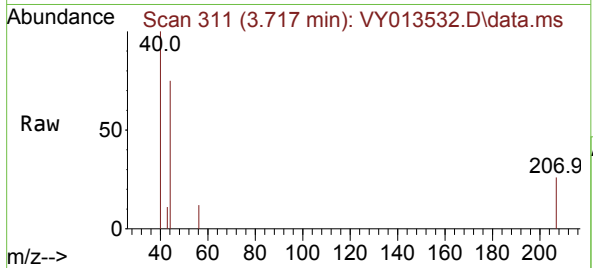




#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

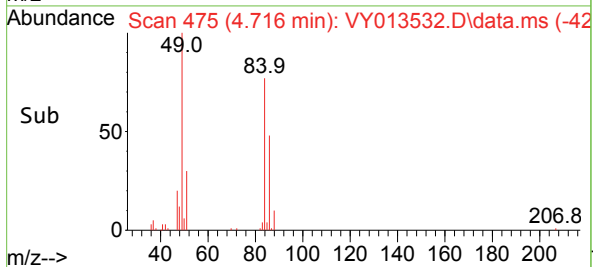
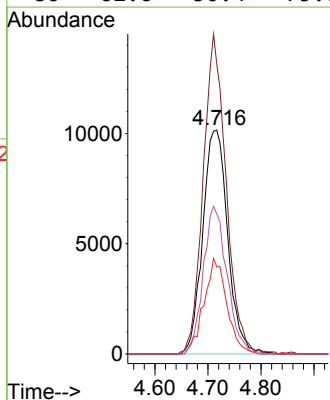
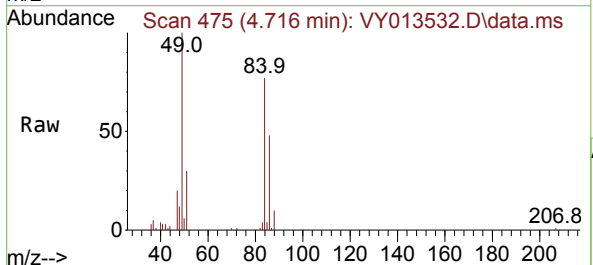
Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

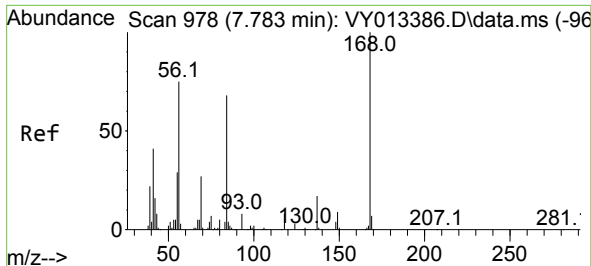
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#20
Methylene Chloride
Concen: 1.358 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

Tgt Ion: 84 Resp: 33216
Ion Ratio Lower Upper
84 100
49 129.5 88.0 132.0
51 38.9 27.4 41.0
86 62.6 50.4 75.6

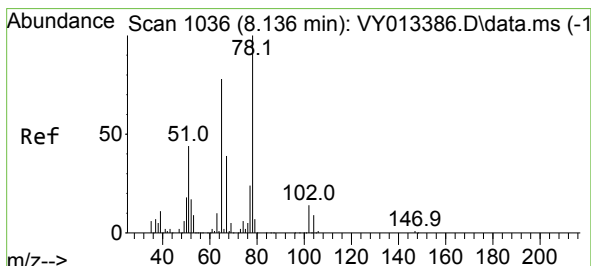
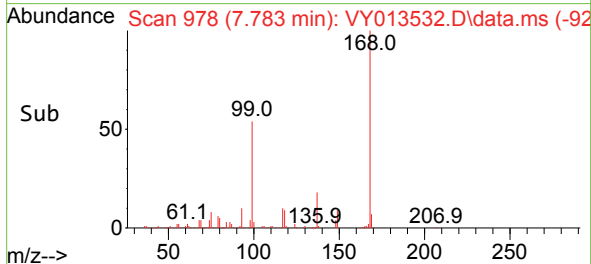
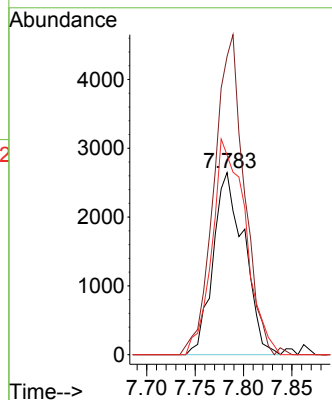
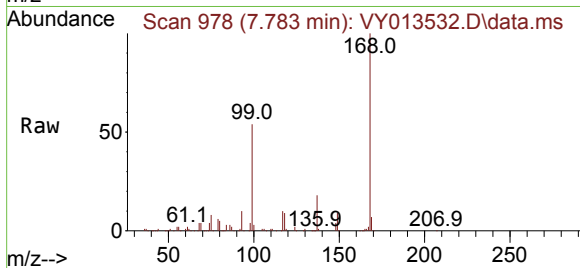




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

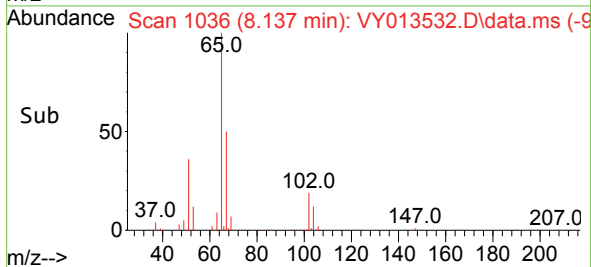
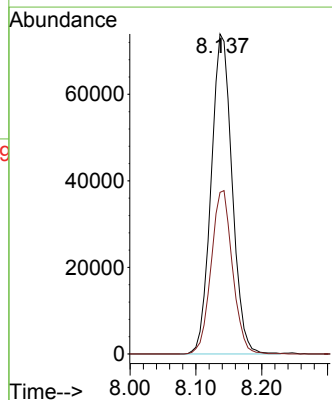
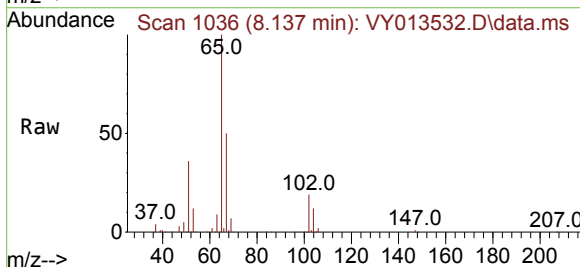
Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

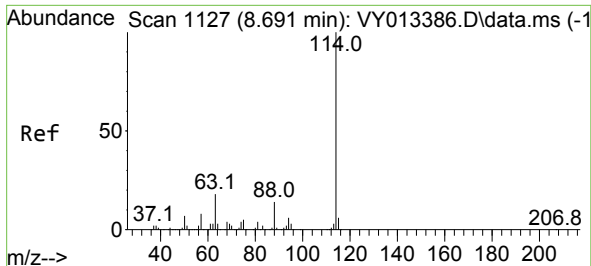
Tgt Ion: 56 Resp: 5928
Ion Ratio Lower Upper
56 100
69 163.9 29.2 43.8#
84 109.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 56.201 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

Tgt Ion: 65 Resp: 163969
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013532.D

Acq: 01 May 2023 12:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBL01

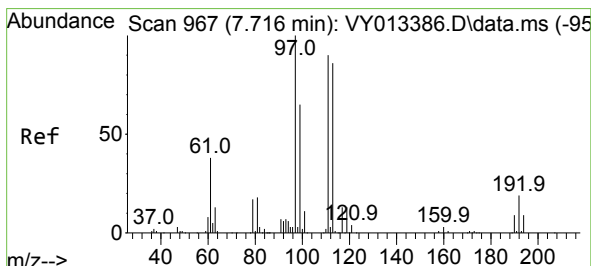
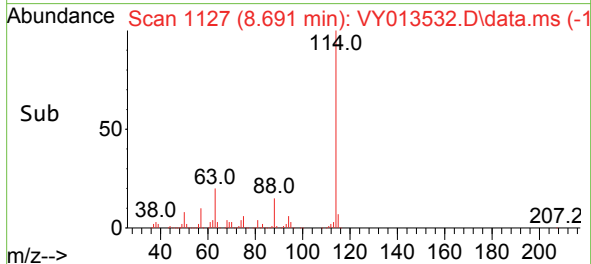
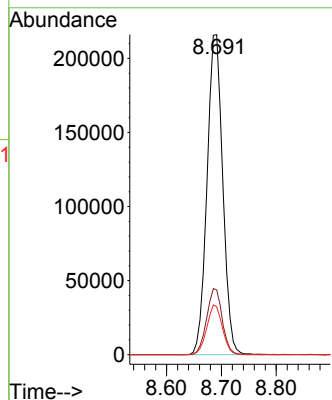
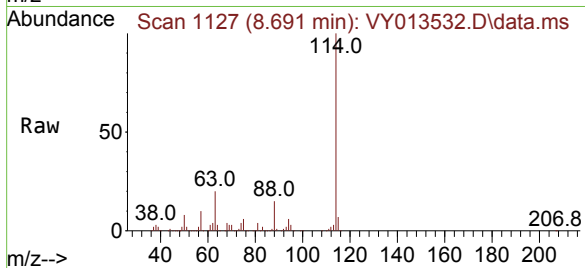
Tgt Ion:114 Resp: 428914

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.6

88 15.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 52.374 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013532.D

Acq: 01 May 2023 12:15

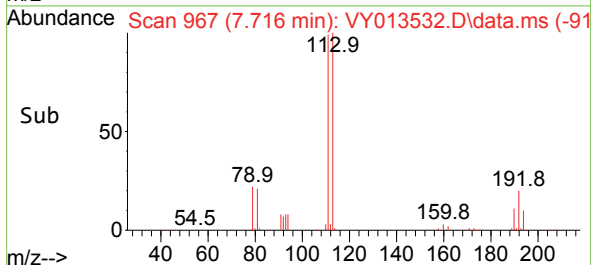
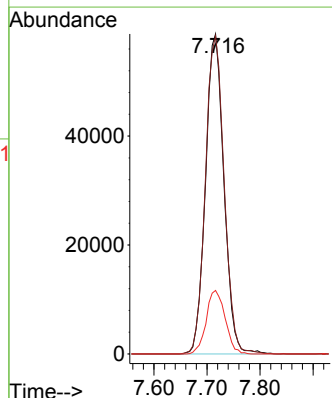
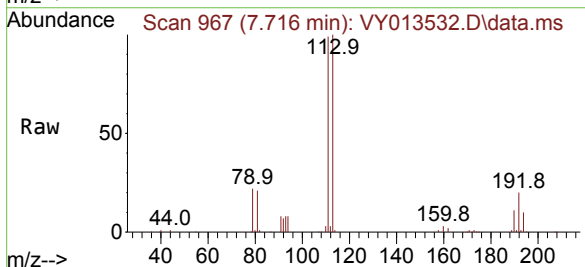
Tgt Ion:113 Resp: 141289

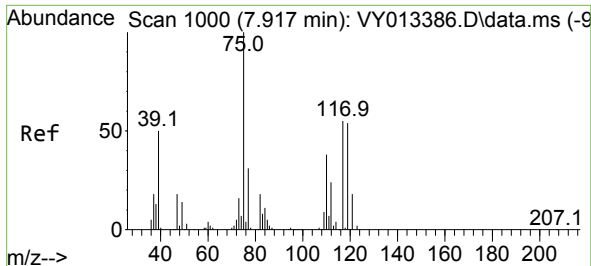
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

192 20.5 16.7 25.1

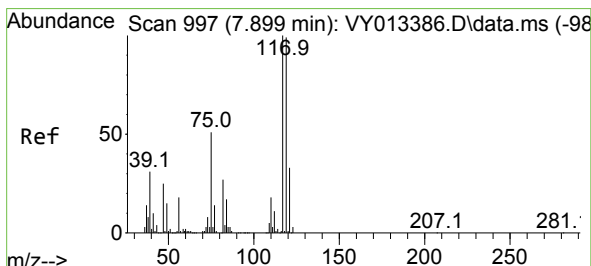
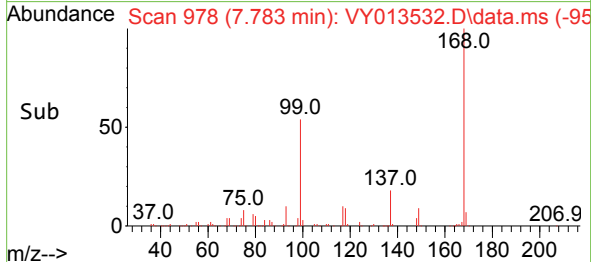
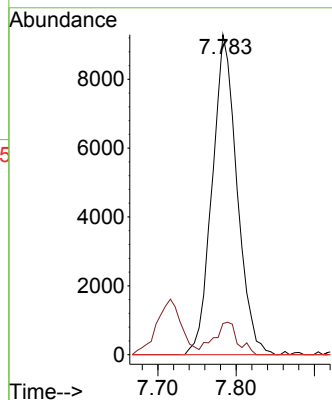
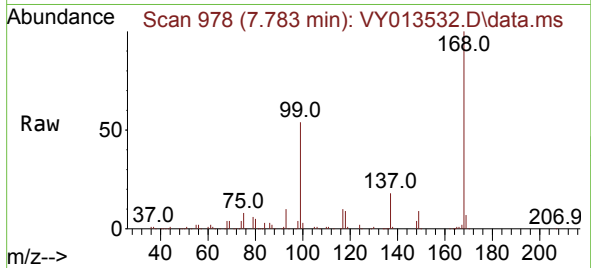




#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

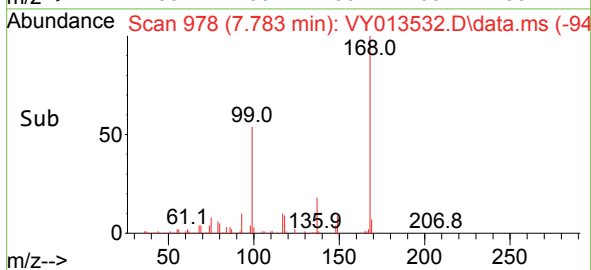
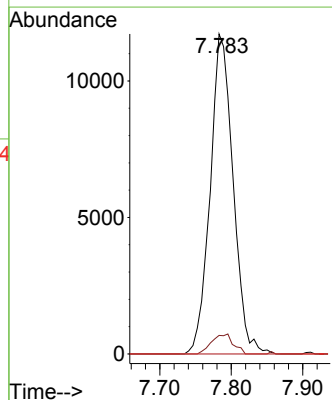
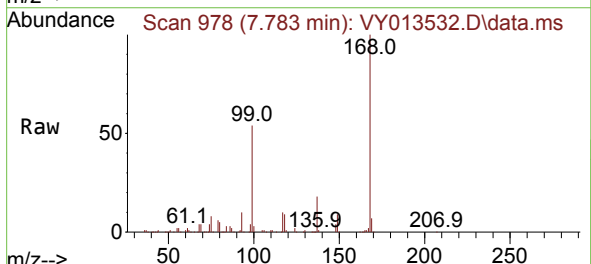
Instrument :
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ClientSampleId :
VY0501SBL01

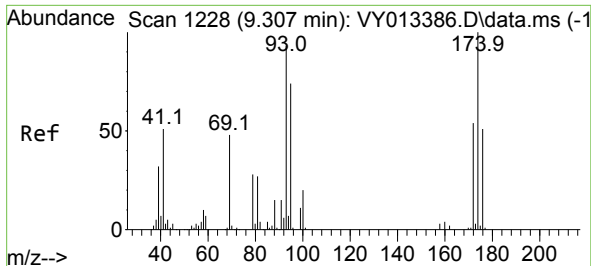
Tgt Ion: 75 Resp: 20477
Ion Ratio Lower Upper
75 100
110 9.7 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

Tgt Ion: 117 Resp: 26111
Ion Ratio Lower Upper
117 100
119 5.8 79.0 118.6#
121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.207 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.012 min

Lab File: VY013532.D

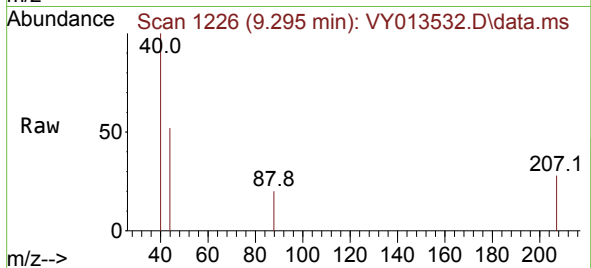
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Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBL01



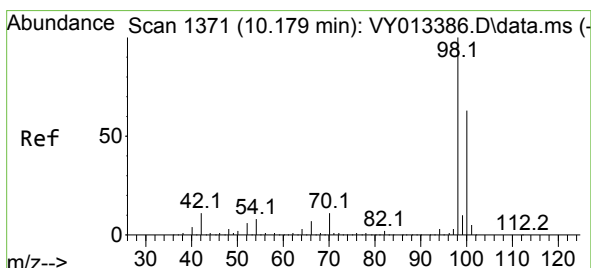
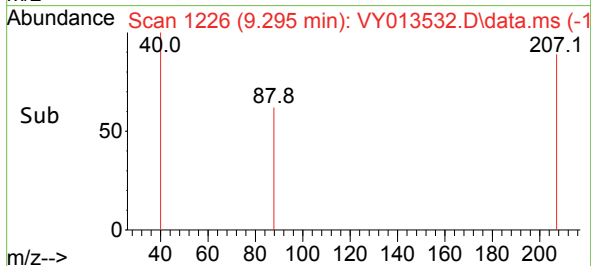
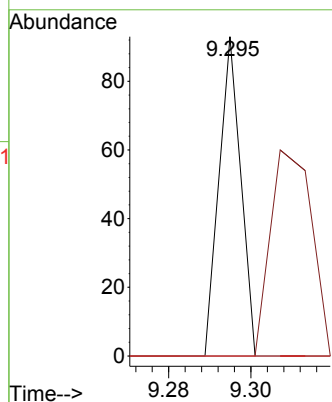
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 123.5 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 47.590 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013532.D

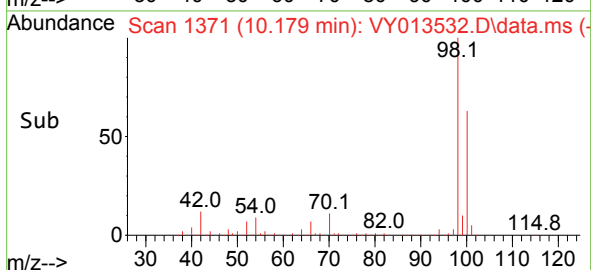
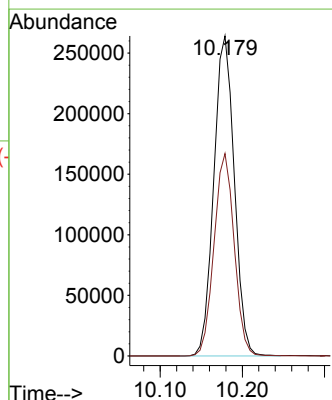
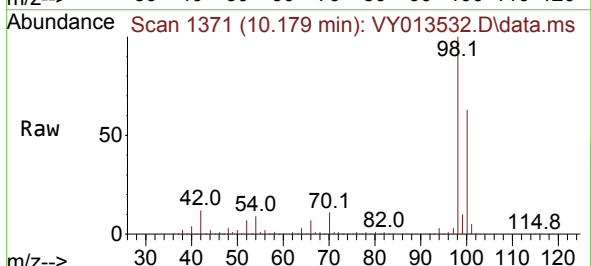
Acq: 01 May 2023 12:15

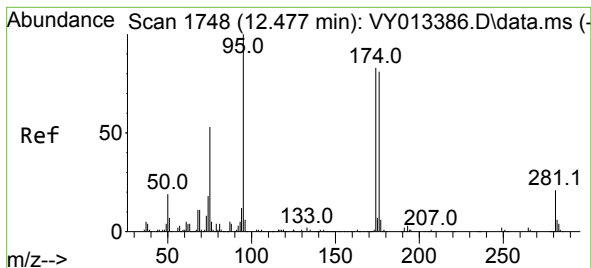
Tgt Ion: 98 Resp: 456709

Ion Ratio Lower Upper

98 100

100 62.3 50.5 75.7

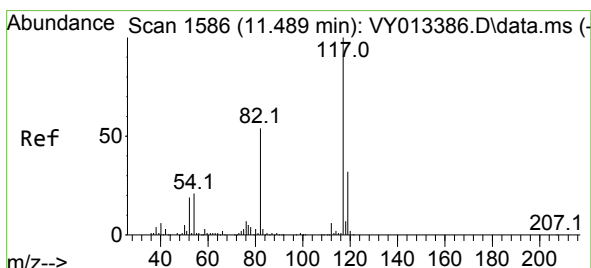
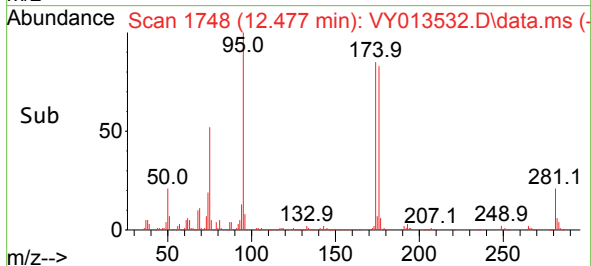
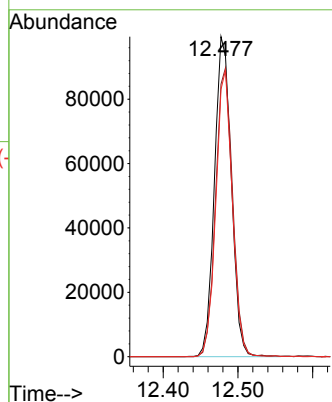
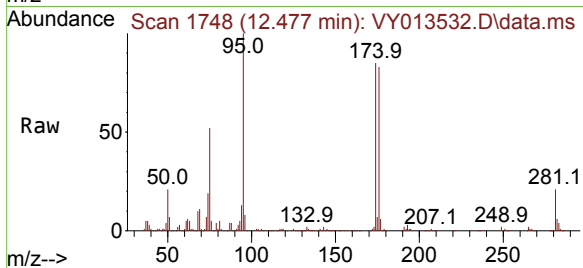




#62
4-Bromofluorobenzene
Concen: 48.203 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

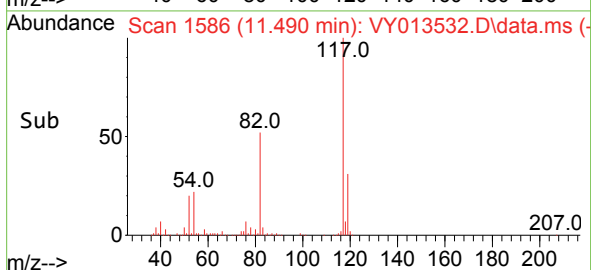
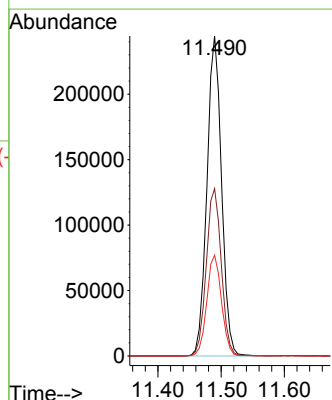
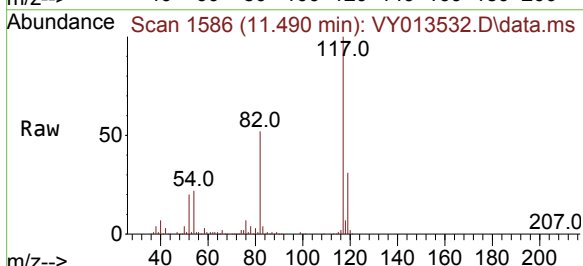
Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

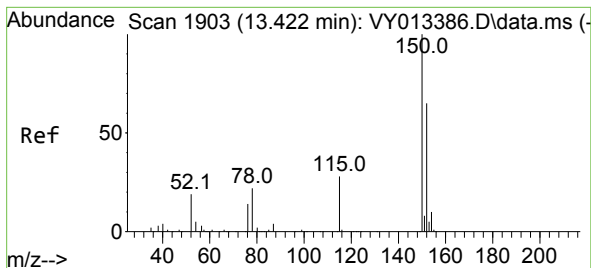
Tgt Ion: 95 Resp: 155952
Ion Ratio Lower Upper
95 100
174 91.7 0.0 182.0
176 87.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013532.D
Acq: 01 May 2023 12:15

Tgt Ion: 117 Resp: 392999
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.6
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013532.D

Acq: 01 May 2023 12:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBL01

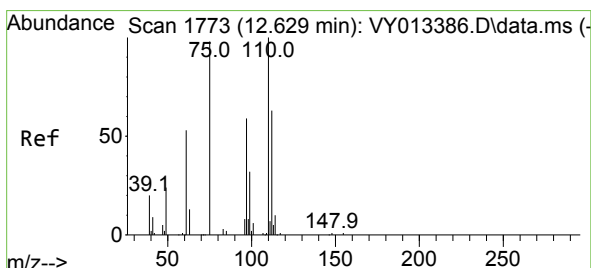
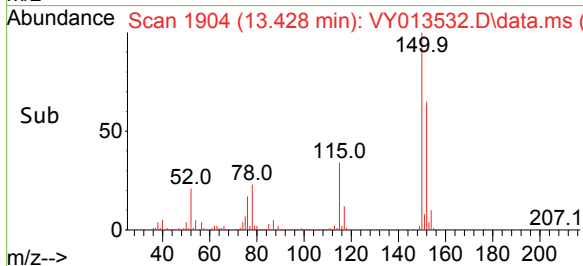
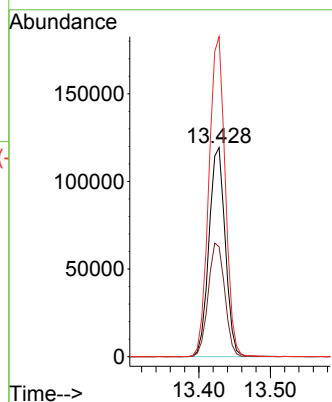
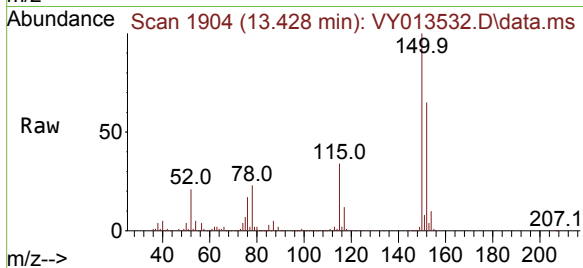
Tgt Ion:152 Resp: 188725

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

150 153.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 32.635 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013532.D

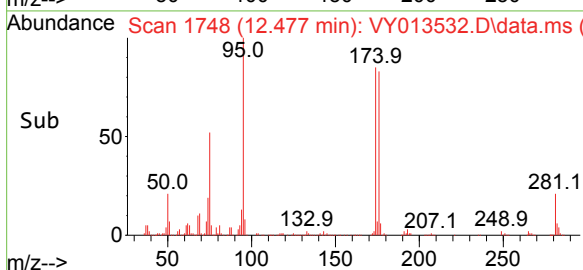
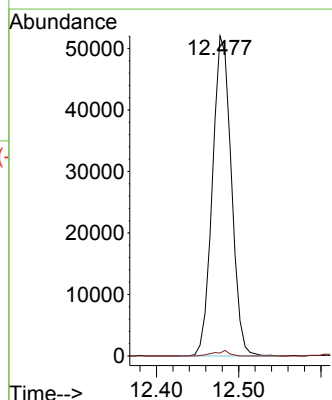
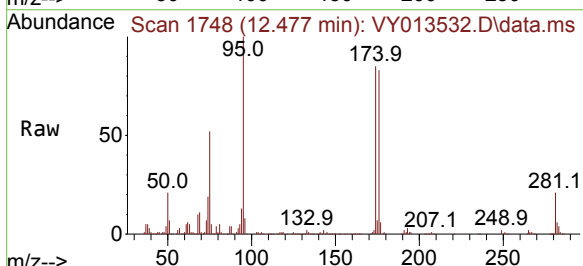
Acq: 01 May 2023 12:15

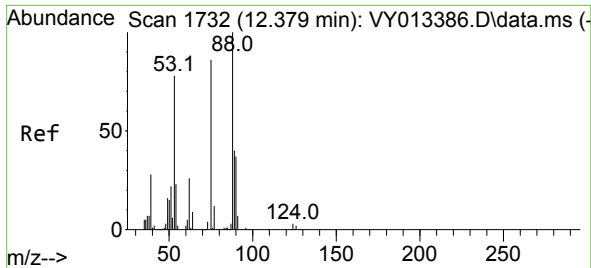
Tgt Ion: 75 Resp: 83061

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.756 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013532.D
 Acq: 01 May 2023 12:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBL01

Tgt Ion: 75 Resp: 83061
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.7 38.0 57.0#

