

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013521.D
 Acq On : 28 Apr 2023 13:20
 Operator : KP/MD
 Sample : 02504-17
 Misc : 4.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-03

Quant Time: Apr 28 23:12:26 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)

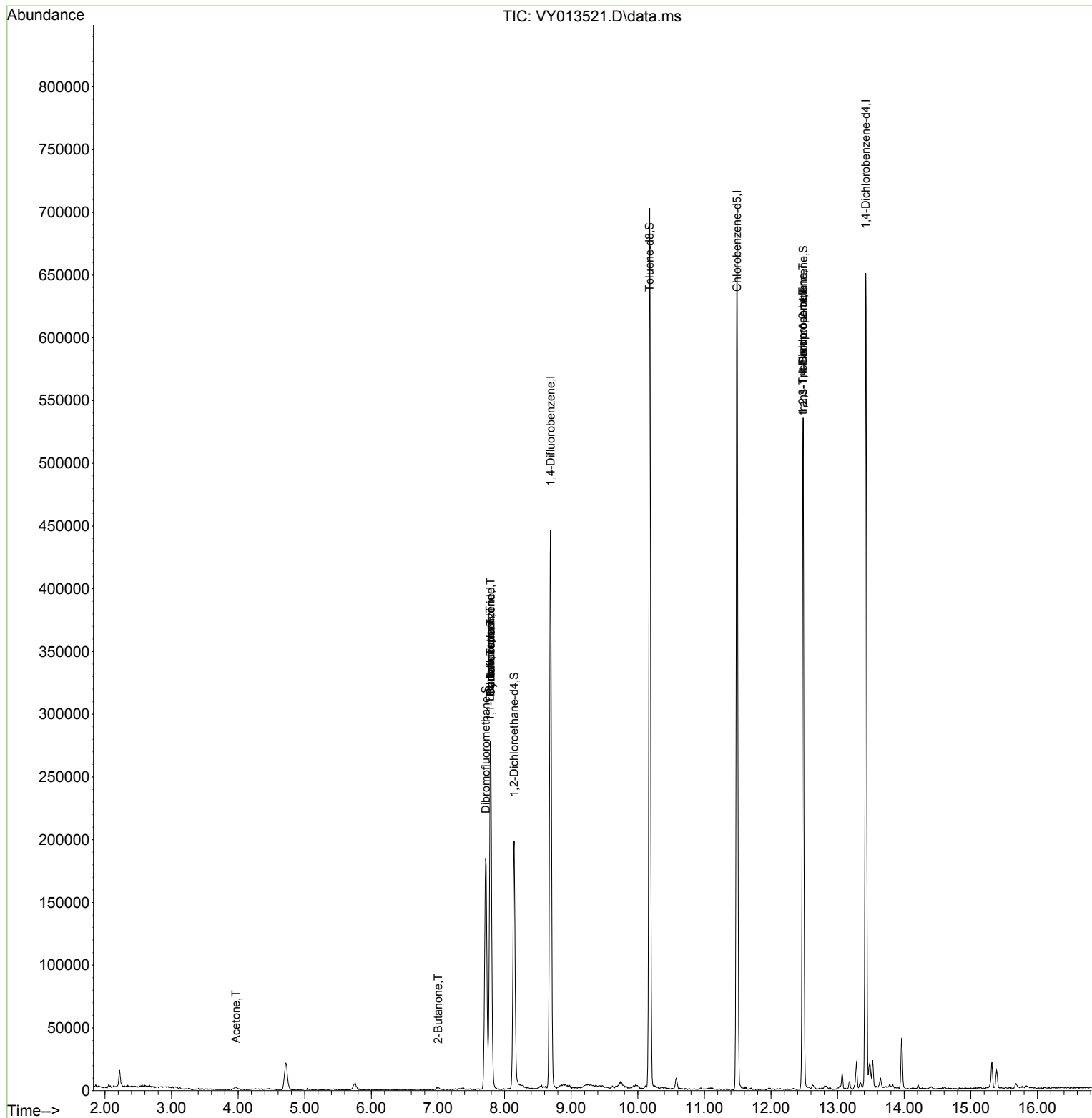
Internal Standards						
1) Pentafluorobenzene	7.789	168	217759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	369942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	358216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	159460	66.800	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.600%	
35) Dibromofluoromethane	7.716	113	128532	55.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.179	98	452007	54.608	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.483	95	148284	53.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.280%	
Target Compounds						
13) Acrolein	3.875	56	41	Below Cal	#	16
16) Acetone	3.967	43	4121	4.384	ug/l #	89
20) Methylene Chloride	4.716	84	16046	Below Cal		93
25) 2-Butanone	7.003	43	2168	1.818	ug/l #	66
31) Cyclohexane	7.789	56	5141	1.203	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	16479	4.267	ug/l #	43
38) Carbon Tetrachloride	7.789	117	20856	5.153	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	79988	35.406	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79988	72.424	ug/l #	13

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

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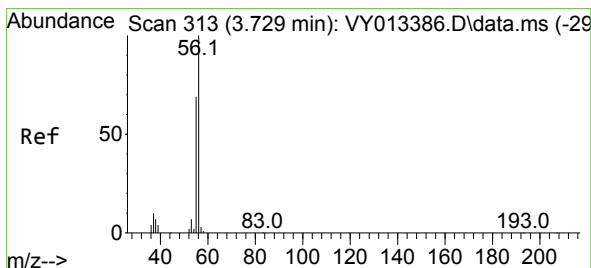
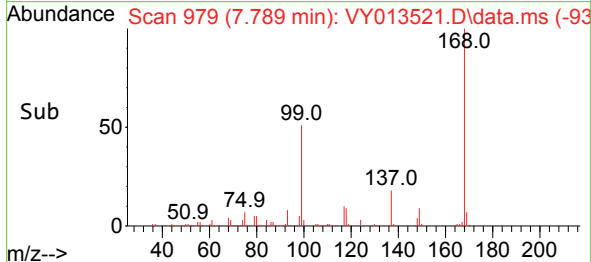
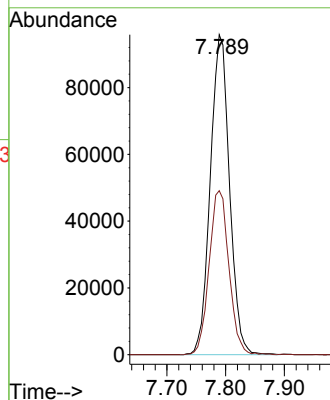
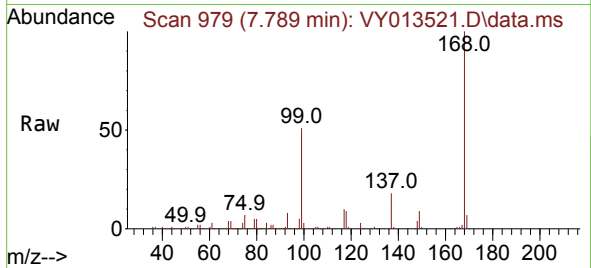




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

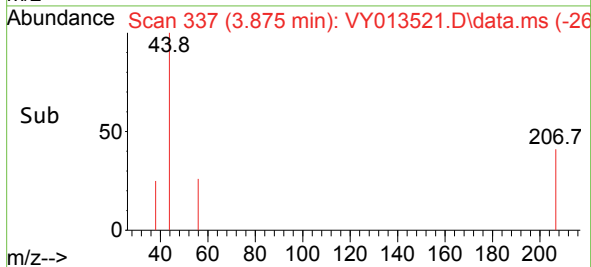
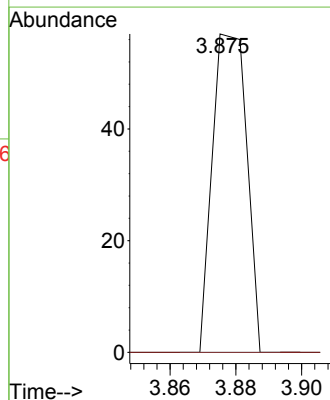
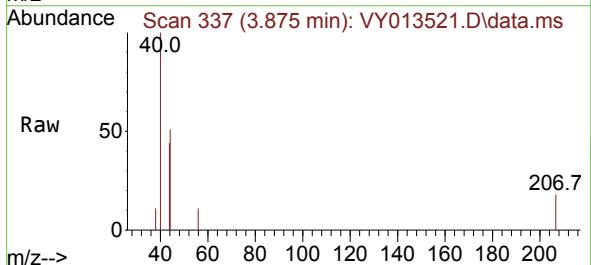
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-03

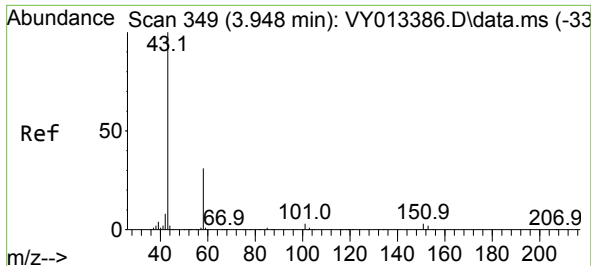
Tgt Ion:168 Resp: 217759
Ion Ratio Lower Upper
168 100
99 51.3 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 337
Delta R.T. 0.146 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 4.384 ug/l

RT: 3.967 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY013521.D

Acq: 28 Apr 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

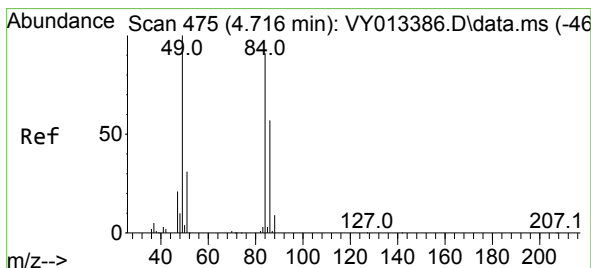
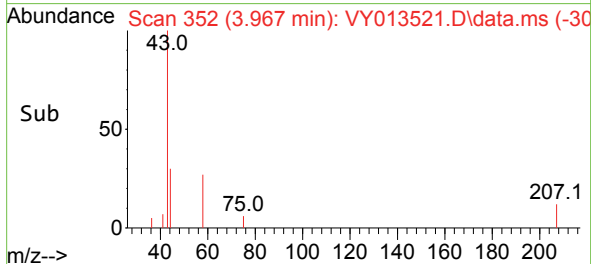
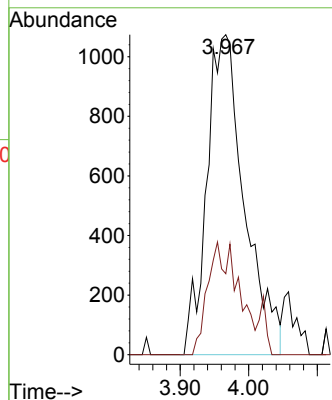
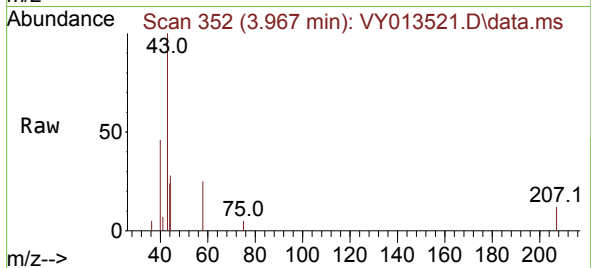
BU-512-VOC-03

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

58 25.3 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013521.D

Acq: 28 Apr 2023 13:20

Tgt Ion: 84 Resp: 16046

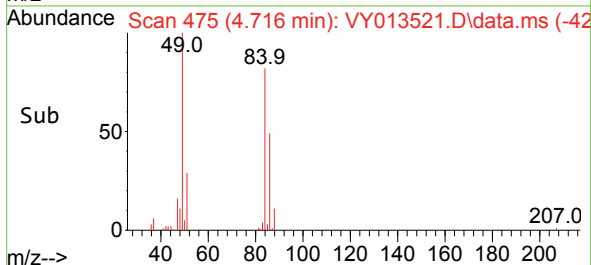
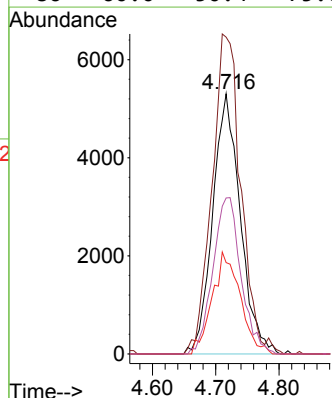
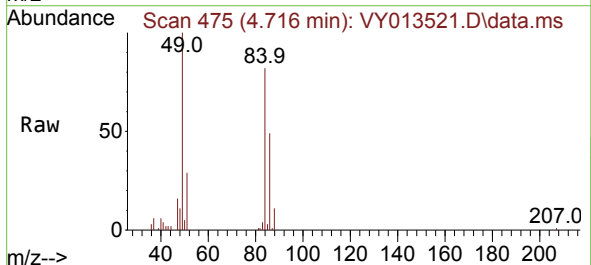
Ion Ratio Lower Upper

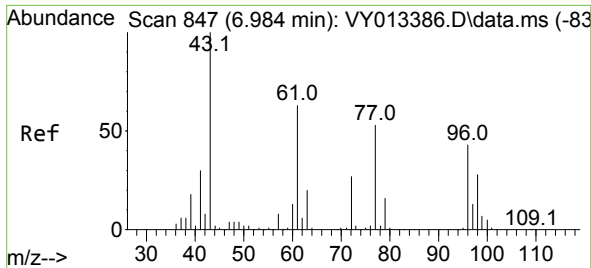
84 100

49 121.8 88.0 132.0

51 35.1 27.4 41.0

86 60.0 50.4 75.6

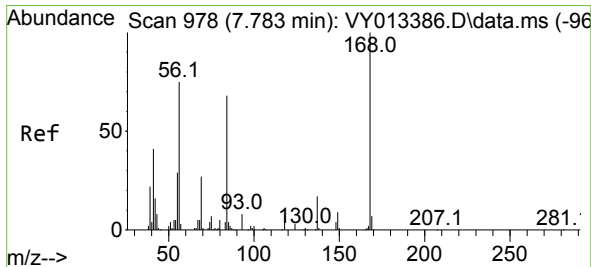
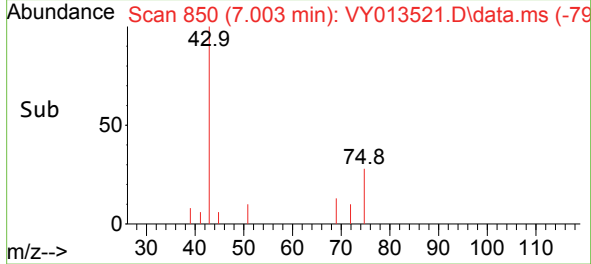
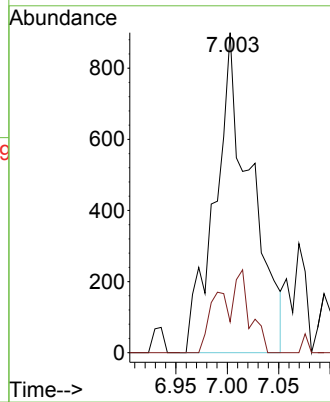
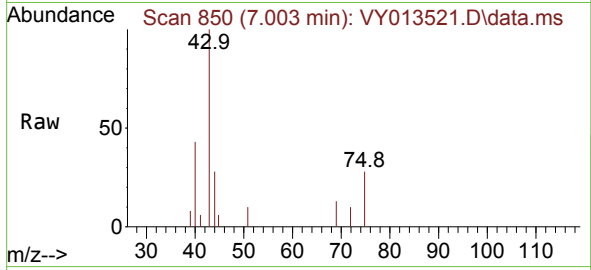




#25
2-Butanone
Concen: 1.818 ug/l
RT: 7.003 min Scan# 81
Delta R.T. 0.019 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

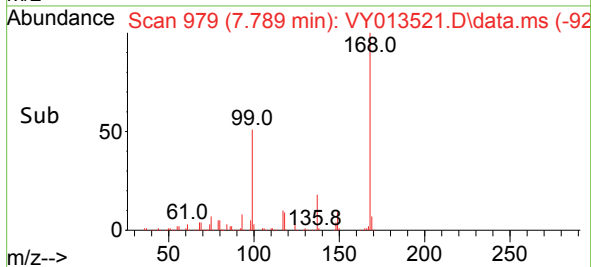
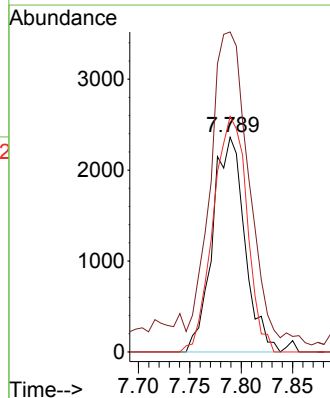
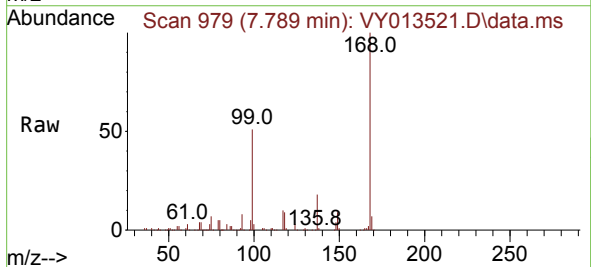
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-03

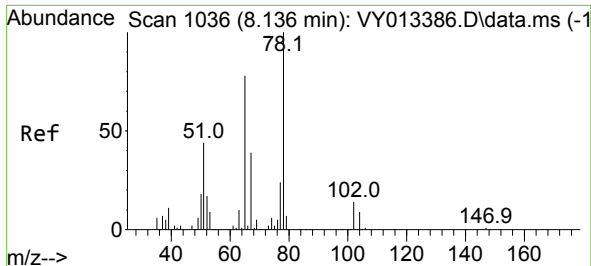
Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
72 9.7 21.9 32.9#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 56 Resp: 5141
Ion Ratio Lower Upper
56 100
69 142.4 29.2 43.8#
84 109.7 73.0 109.6#

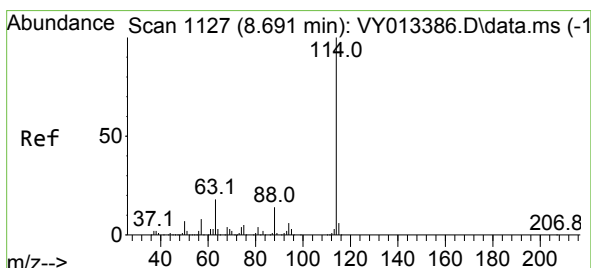
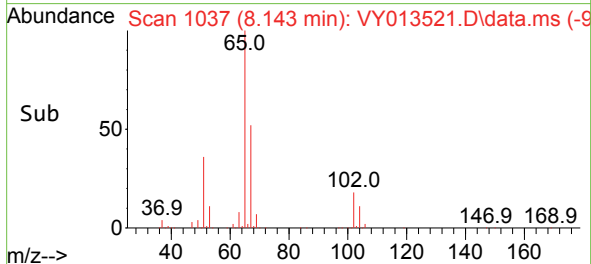
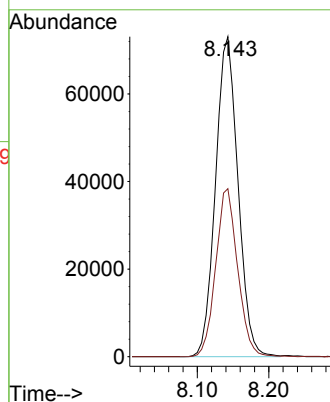
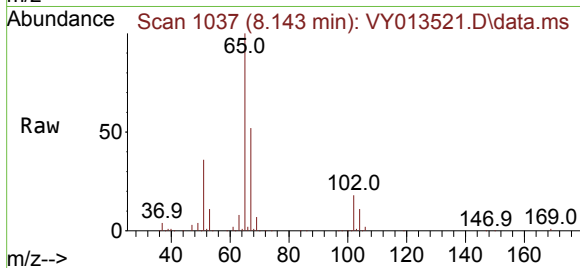




#33
1,2-Dichloroethane-d4
Concen: 66.800 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

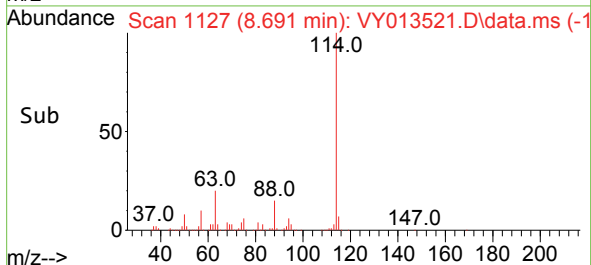
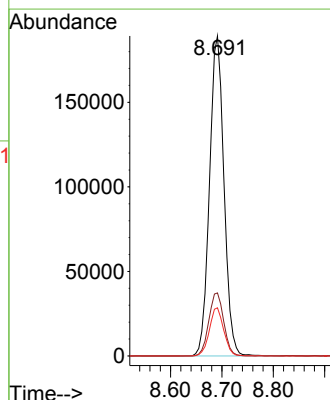
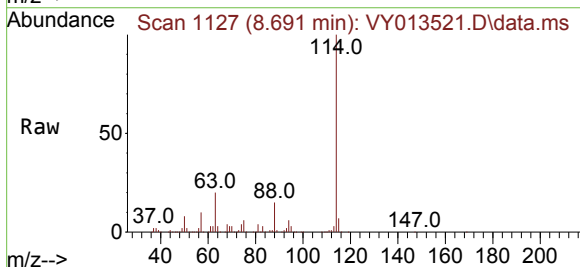
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-03

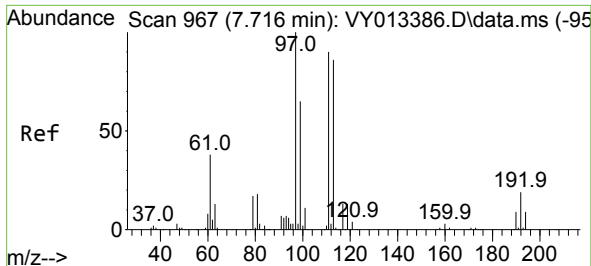
Tgt Ion: 65 Resp: 159460
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 114 Resp: 369942
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.6
88 15.0 0.0 28.8

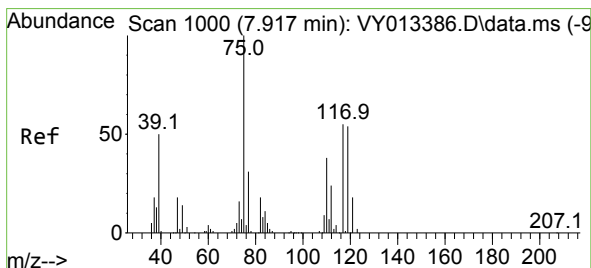
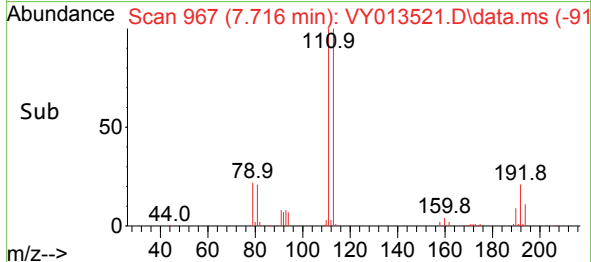
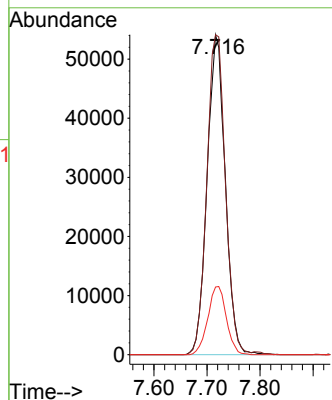
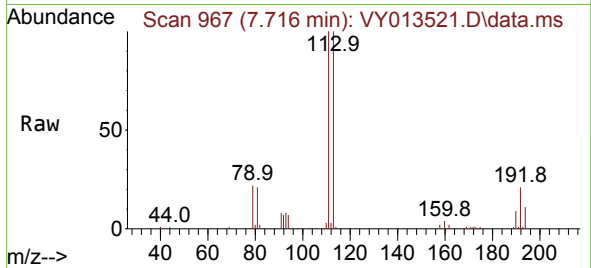




#35
Dibromofluoromethane
Concen: 55.241 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

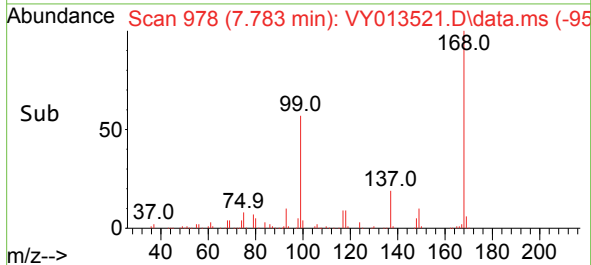
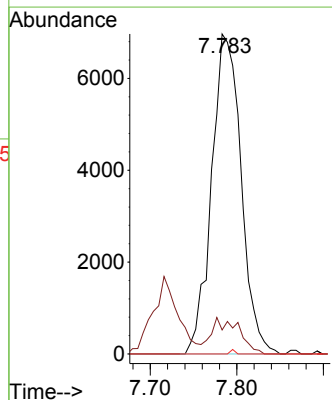
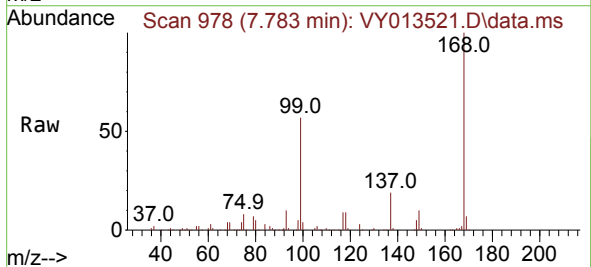
Instrument :
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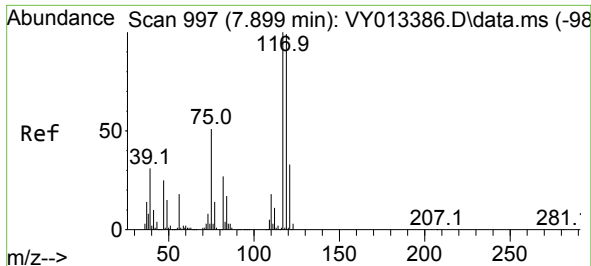
Tgt Ion:113 Resp: 128532
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 21.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 75 Resp: 16479
Ion Ratio Lower Upper
75 100
110 2.7 18.7 56.1#
77 0.2 24.6 37.0#

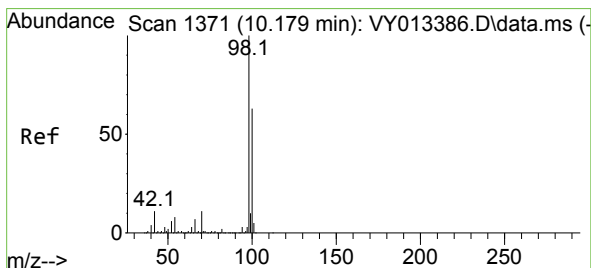
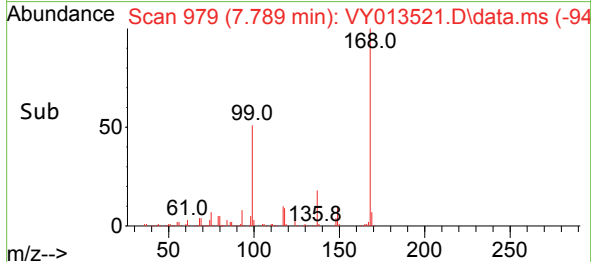
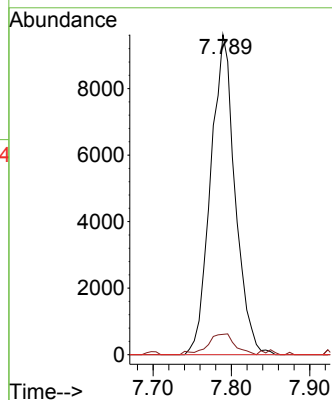
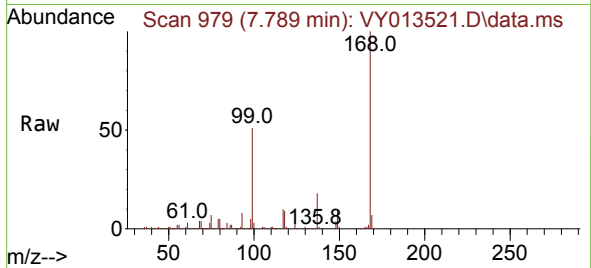




#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

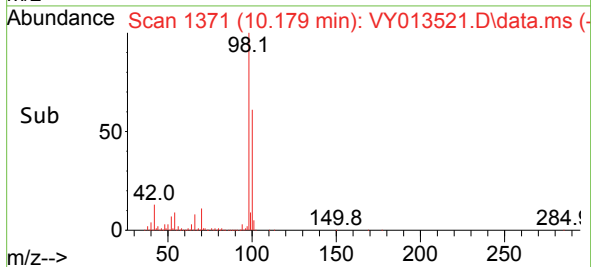
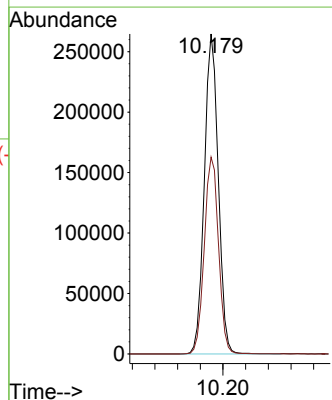
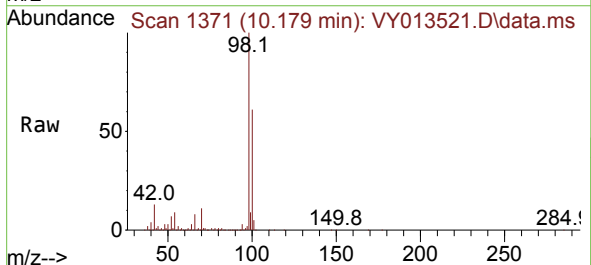
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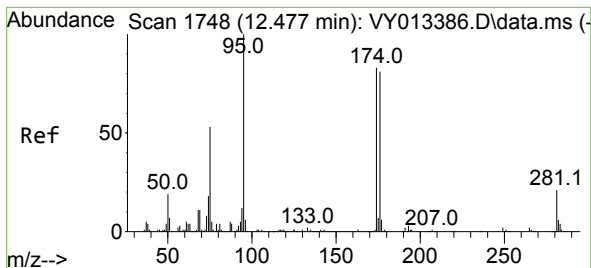
Tgt Ion:117 Resp: 20856
Ion Ratio Lower Upper
117 100
119 6.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.608 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 98 Resp: 452007
Ion Ratio Lower Upper
98 100
100 62.9 50.5 75.7

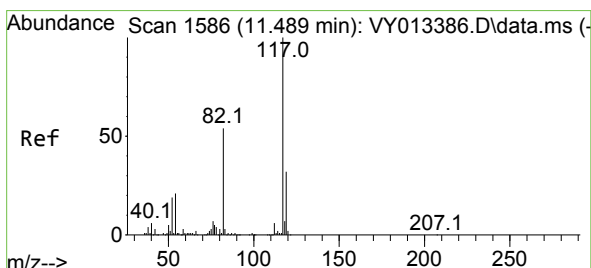
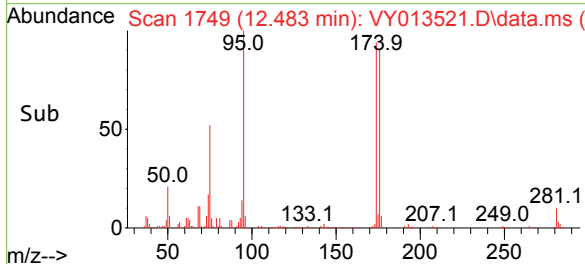
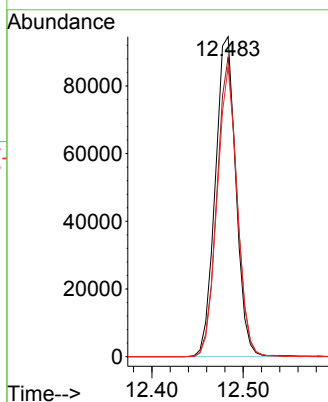
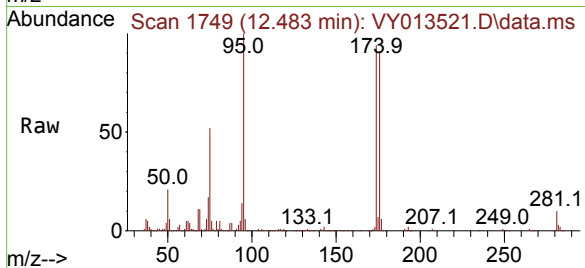




#62
4-Bromofluorobenzene
Concen: 53.139 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

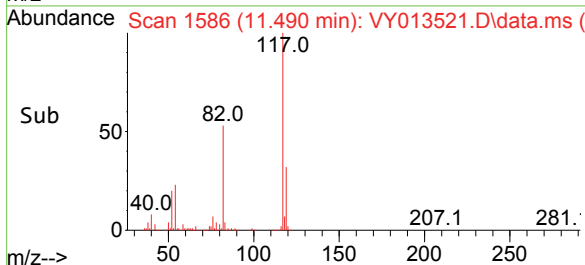
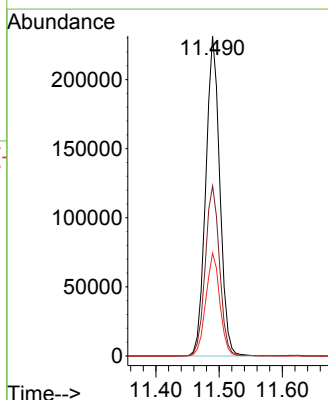
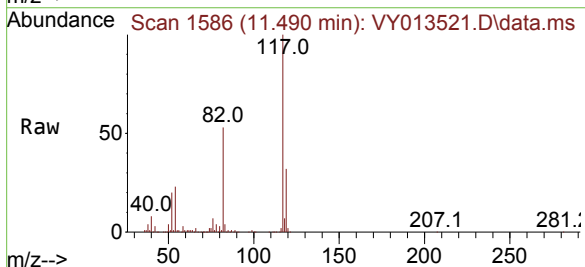
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-03

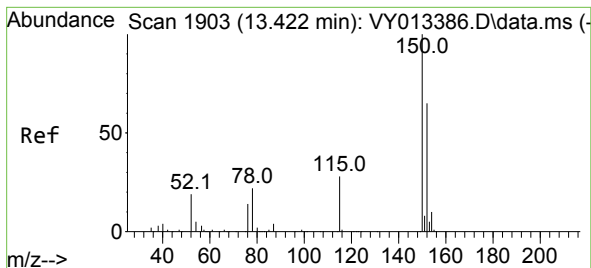
Tgt Ion: 95 Resp: 148284
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.0
176 88.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013521.D
Acq: 28 Apr 2023 13:20

Tgt Ion: 117 Resp: 358216
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.6
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013521.D

Acq: 28 Apr 2023 13:20

Instrument :

MSVOA_Y

ClientSampleId :

BU-512-VOC-03

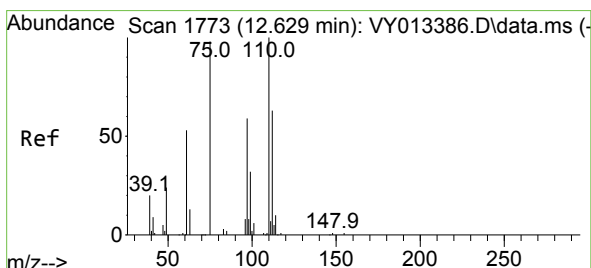
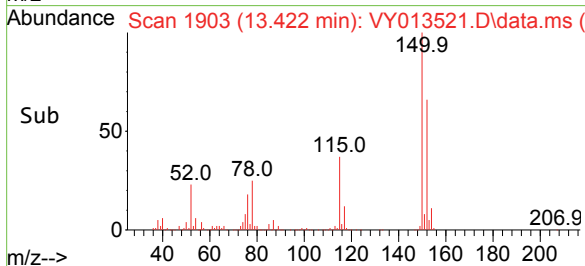
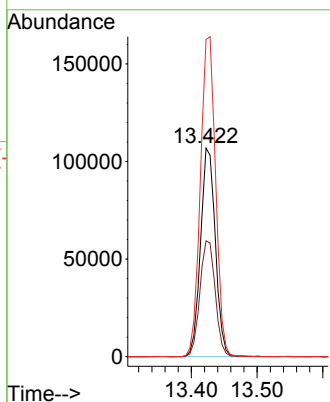
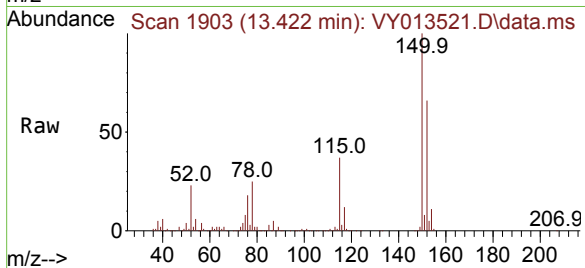
Tgt Ion:152 Resp: 167518

Ion Ratio Lower Upper

152 100

115 57.6 28.1 84.2

150 157.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.406 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013521.D

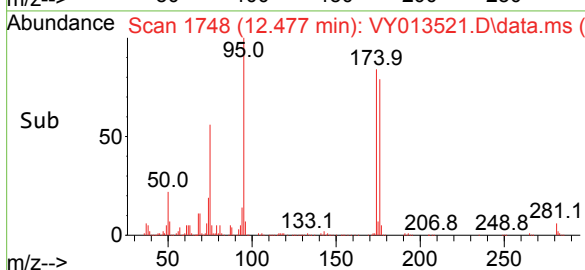
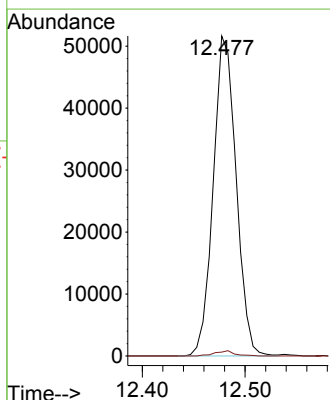
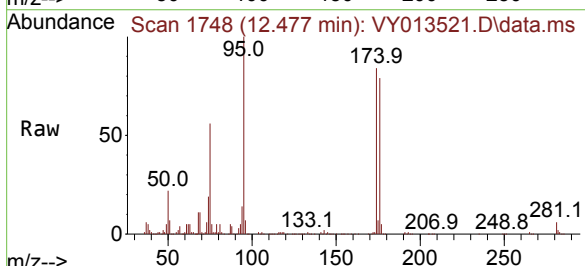
Acq: 28 Apr 2023 13:20

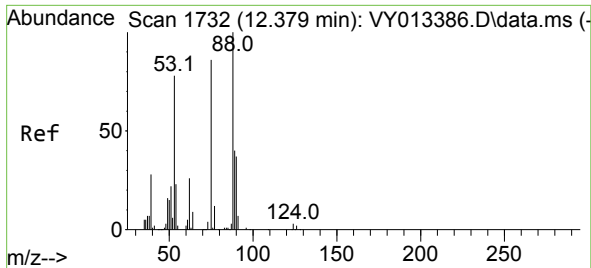
Tgt Ion: 75 Resp: 79988

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.424 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013521.D
 Acq: 28 Apr 2023 13:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-03

Tgt Ion: 75 Resp: 79988
 Ion Ratio Lower Upper
 75 100
 53 0.5 73.2 109.8#
 89 0.1 38.0 57.0#

