

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013522.D
 Acq On : 28 Apr 2023 13:43
 Operator : KP/MD
 Sample : 02503-03
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-305A-VOC-01

Quant Time: Apr 28 23:12:43 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)

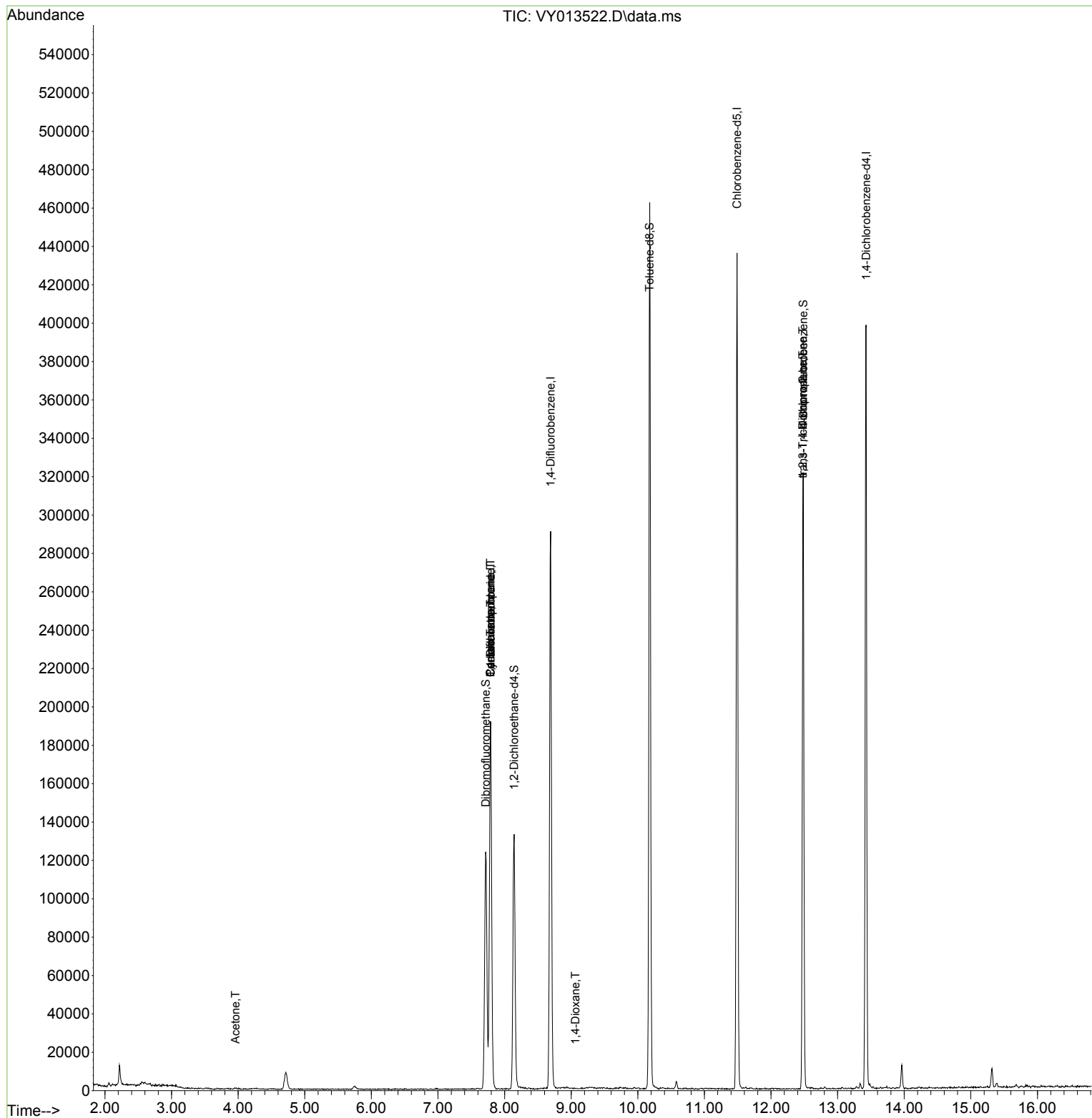
Internal Standards						
1) Pentafluorobenzene	7.789	168	149332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	108938	66.547	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.100%			
35) Dibromofluoromethane	7.716	113	86524	57.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.160%			
50) Toluene-d8	10.179	98	298596	55.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.740%			
62) 4-Bromofluorobenzene	12.483	95	91357	50.253	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.500%			
Target Compounds						
13) Acrolein	3.704	56	18	Below Cal	#	16
16) Acetone	3.960	43	870	1.350	ug/l	92
20) Methylene Chloride	4.716	84	5945	Below Cal	#	77
31) Cyclohexane	7.789	56	3690	1.259	ug/l	# 38
36) 1,1-Dichloropropene	7.789	75	11182	4.445	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	14396	5.460	ug/l	# 15
49) 1,4-Dioxane	9.063	88	21	1.326	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	49679	35.518	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	49679	72.654	ug/l	# 13

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

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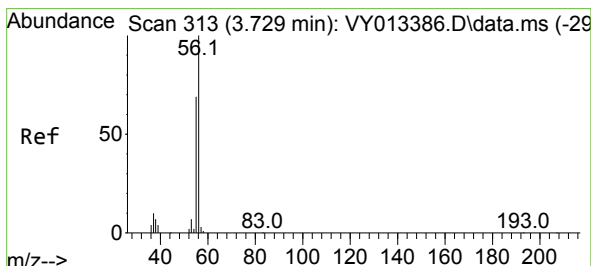
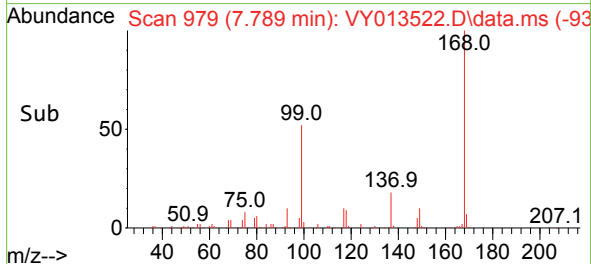
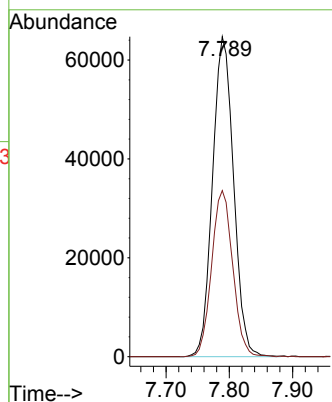
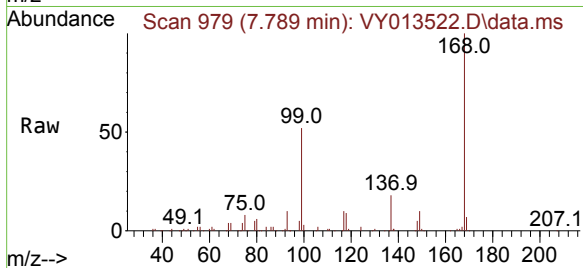




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

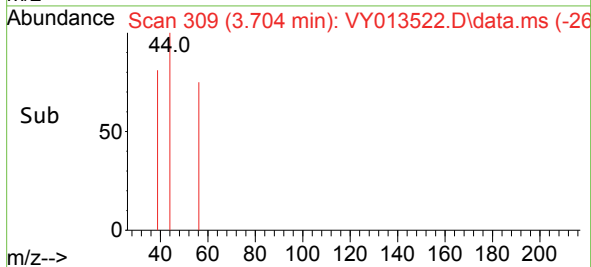
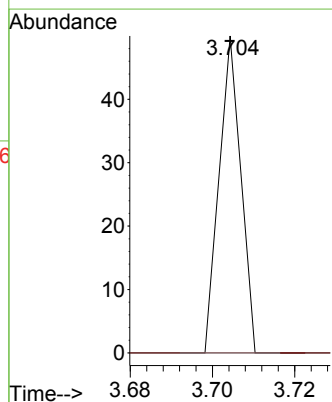
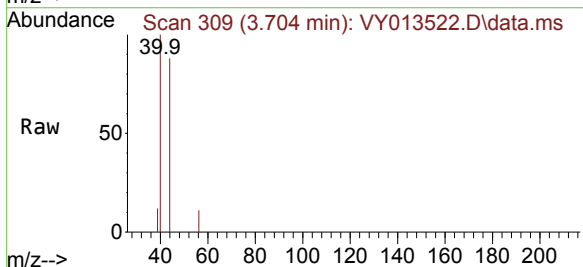
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-01

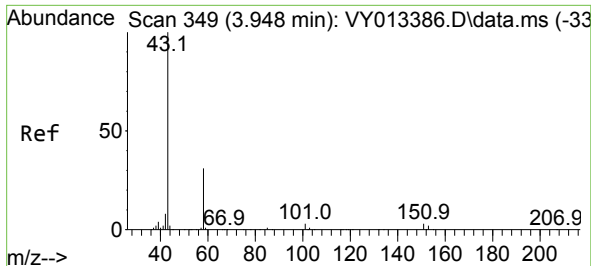
Tgt Ion:168 Resp: 149332
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.025 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

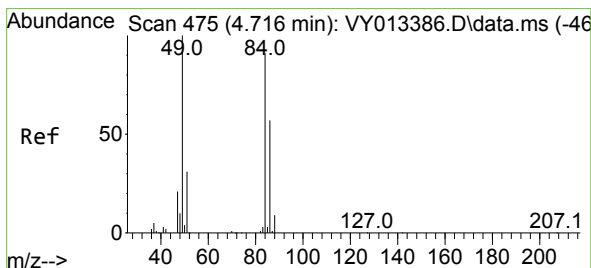
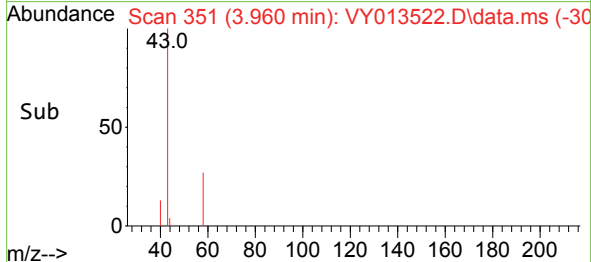
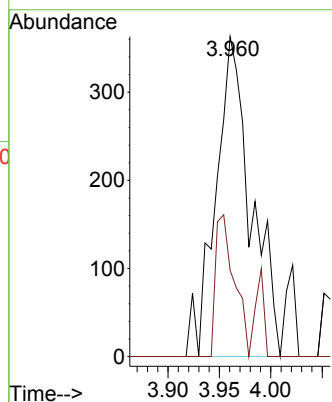
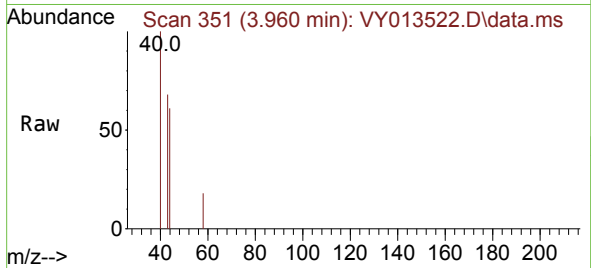




#16
Acetone
Concen: 1.350 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

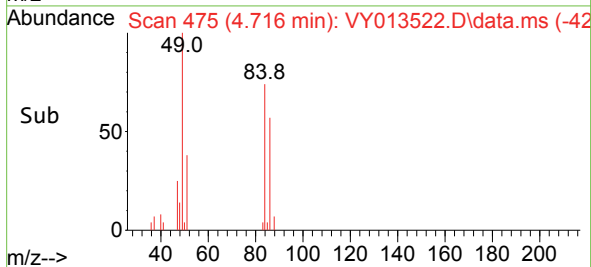
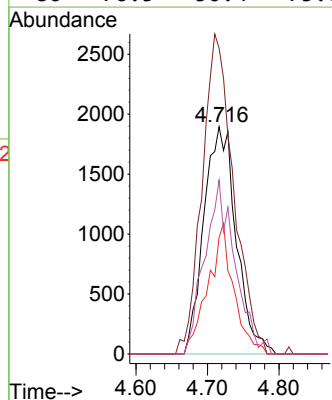
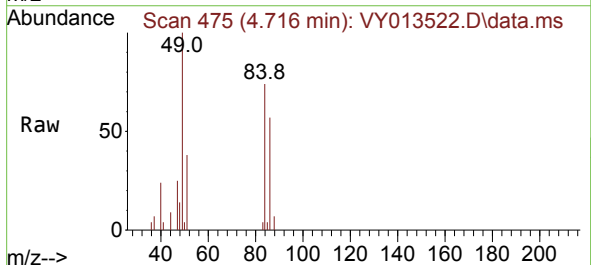
Instrument :
MSVOA_Y
ClientSampleId :
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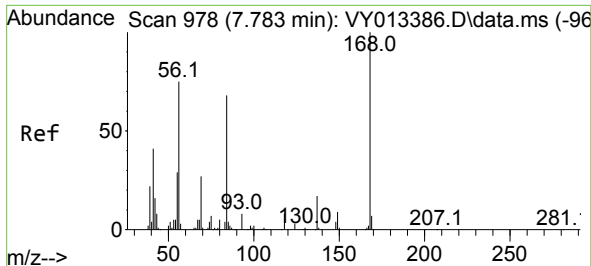
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 27.0 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion: 84 Resp: 5945
Ion Ratio Lower Upper
84 100
49 134.6 88.0 132.0#
51 51.2 27.4 41.0#
86 76.5 50.4 75.6#

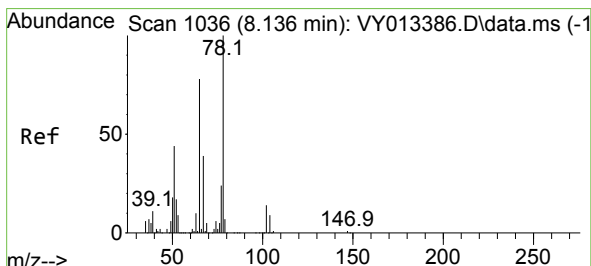
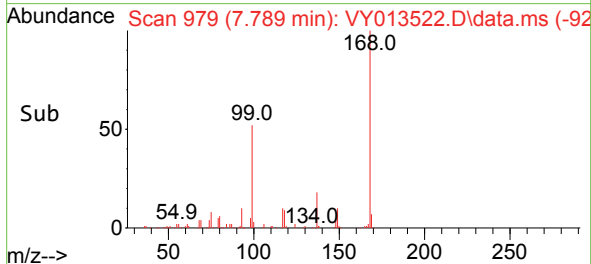
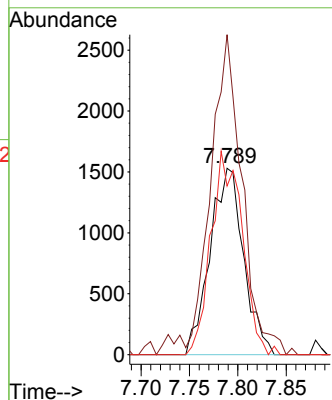
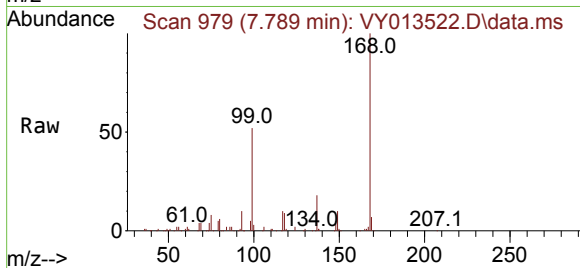




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

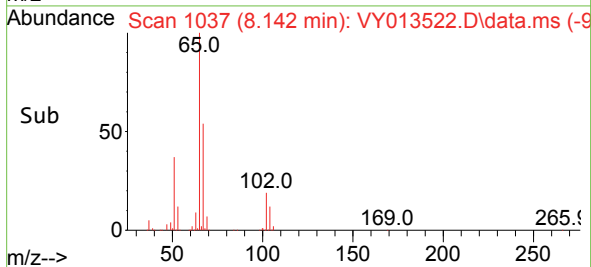
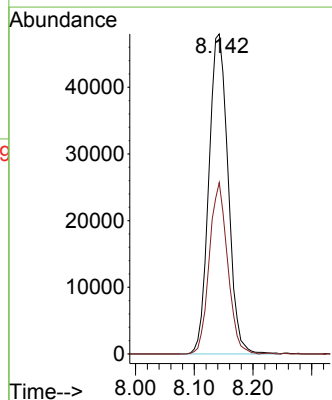
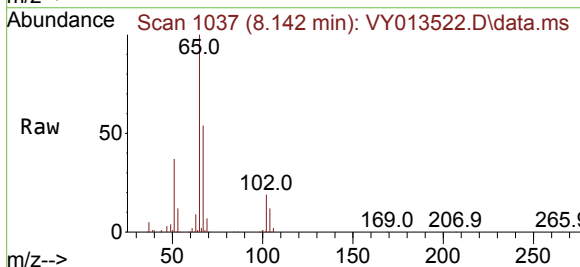
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-01

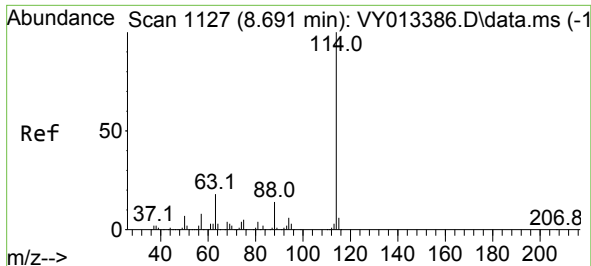
Tgt Ion: 56 Resp: 3690
Ion Ratio Lower Upper
56 100
69 163.9 29.2 43.8#
84 90.5 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 66.547 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion: 65 Resp: 108938
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4

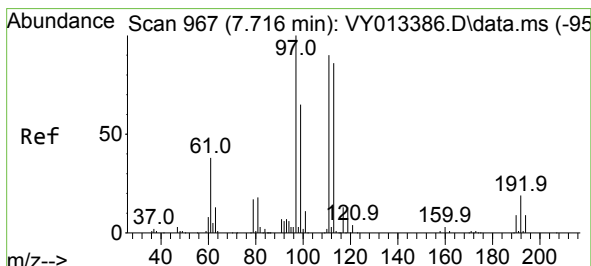
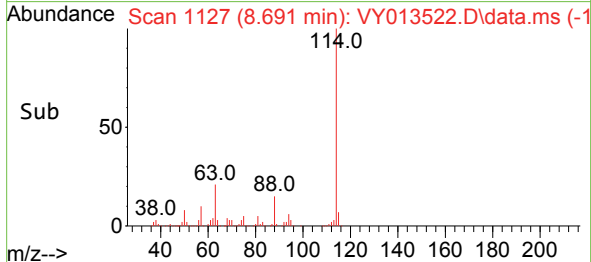
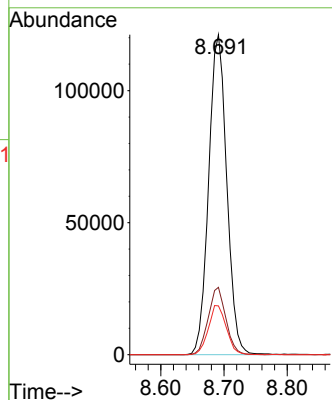
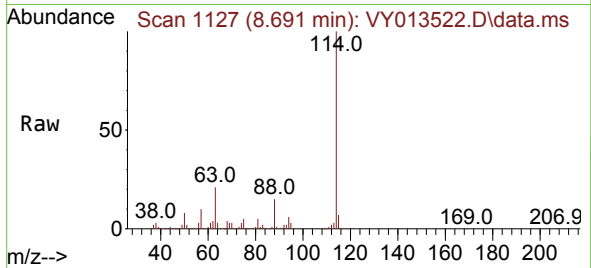




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

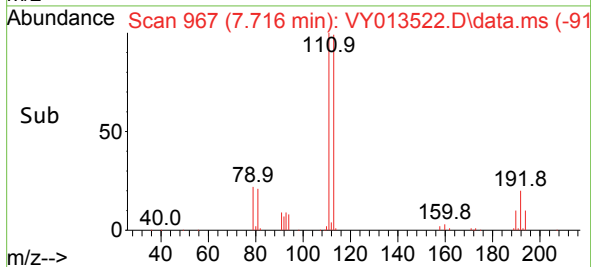
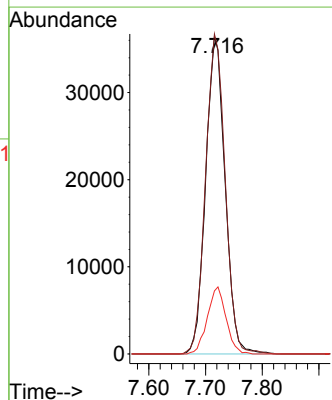
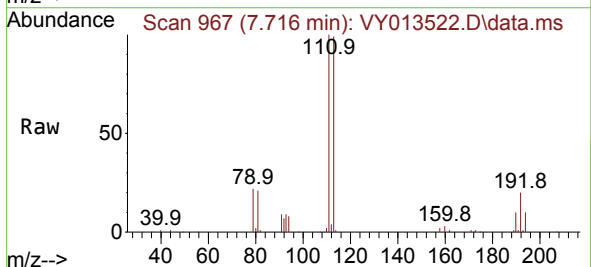
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-01

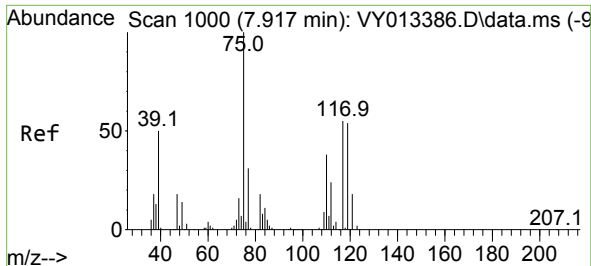
Tgt Ion:114 Resp: 241012
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.6
88 15.3 0.0 28.8



#35
Dibromofluoromethane
Concen: 57.079 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion:113 Resp: 86524
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.4 16.7 25.1

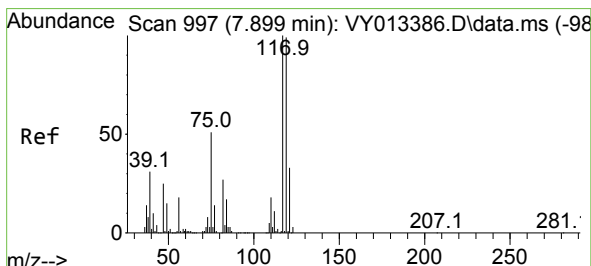
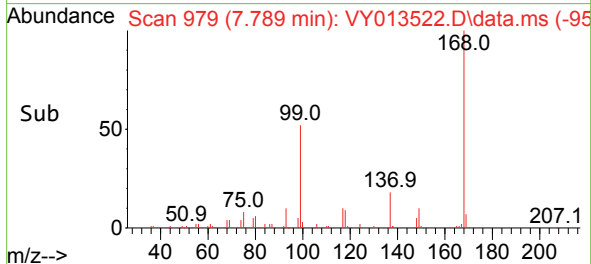
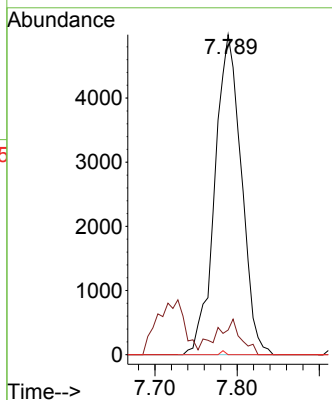
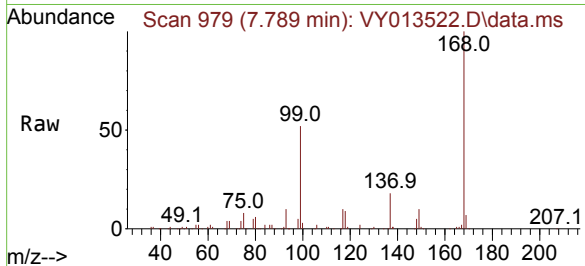




#36
1,1-Dichloropropene
Concen: 4.445 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

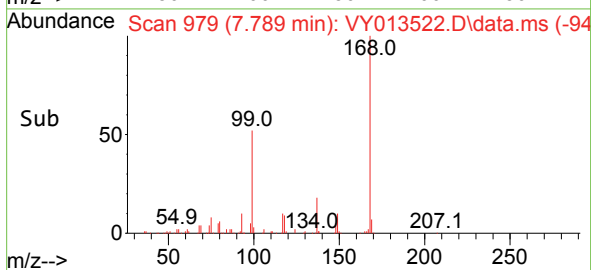
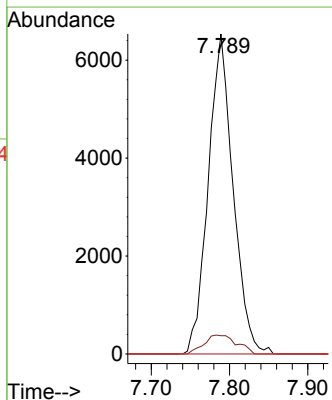
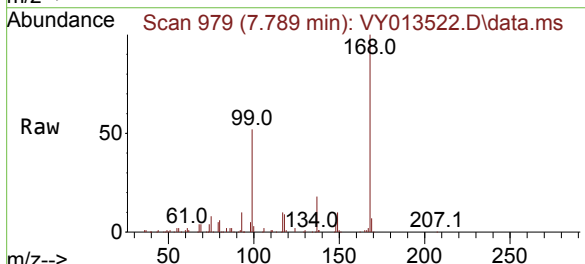
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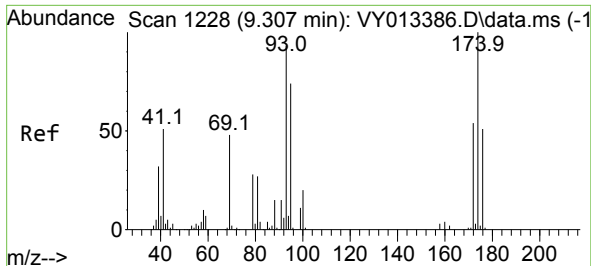
Tgt Ion: 75 Resp: 11182
Ion Ratio Lower Upper
75 100
110 10.3 18.7 56.1#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion: 117 Resp: 14396
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 1.326 ug/l

RT: 9.063 min Scan# 1188

Delta R.T. -0.244 min

Lab File: VY013522.D

Acq: 28 Apr 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

TR-305A-VOC-01

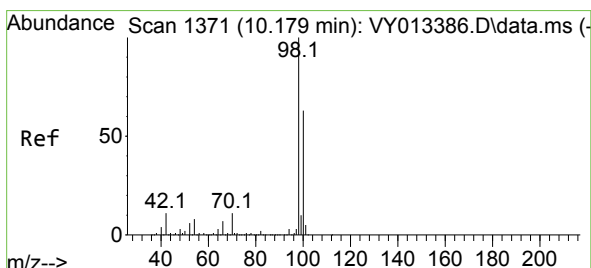
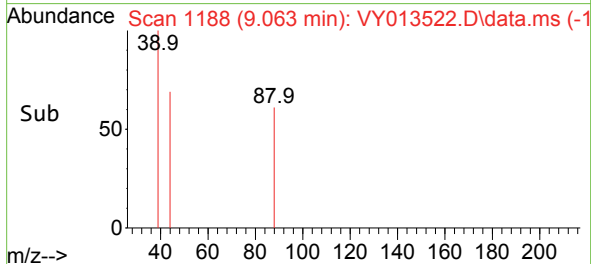
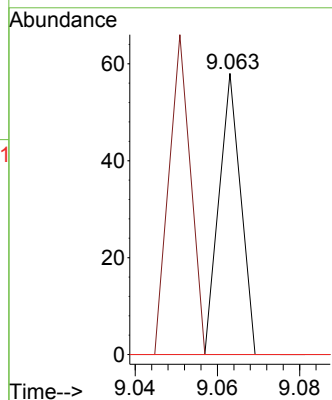
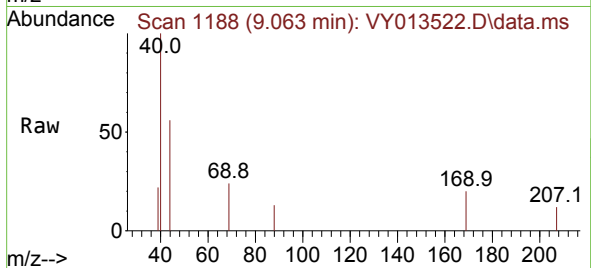
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 114.3 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 55.372 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013522.D

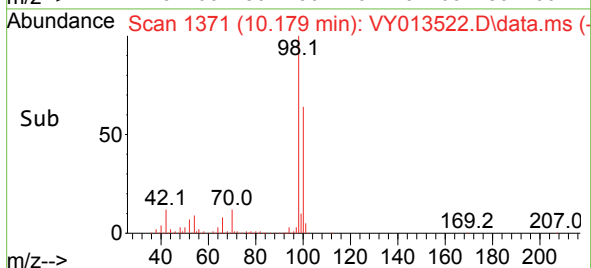
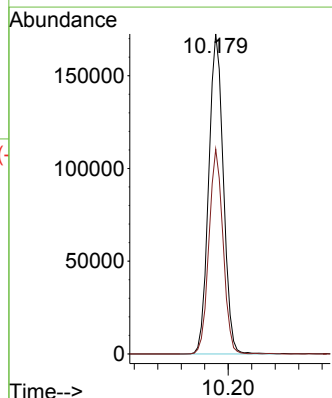
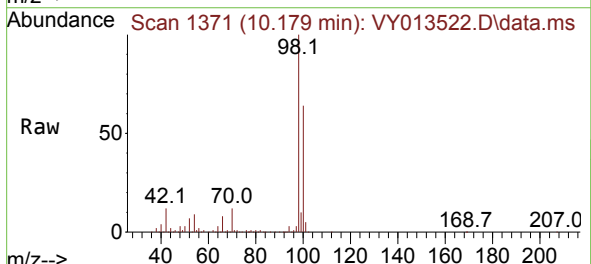
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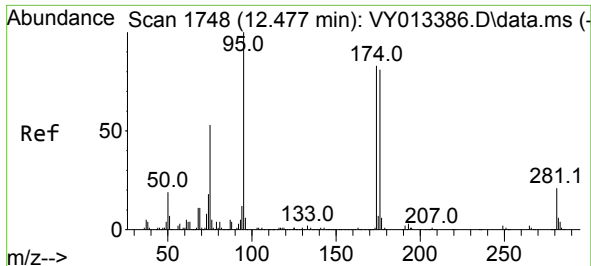
Tgt Ion: 98 Resp: 298596

Ion Ratio Lower Upper

98 100

100 61.4 50.5 75.7

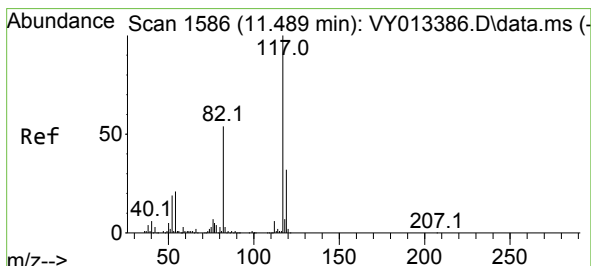
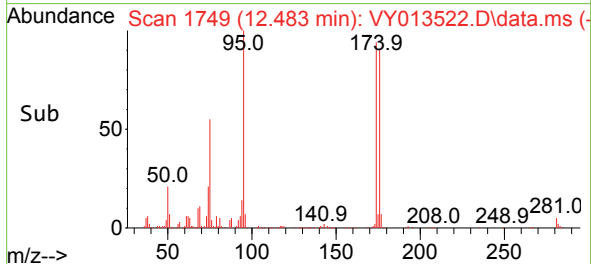
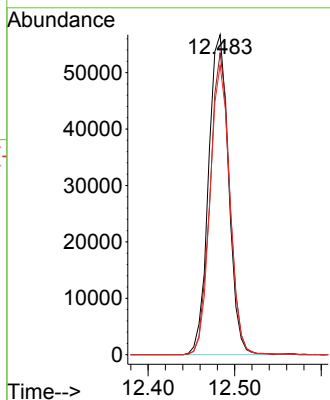
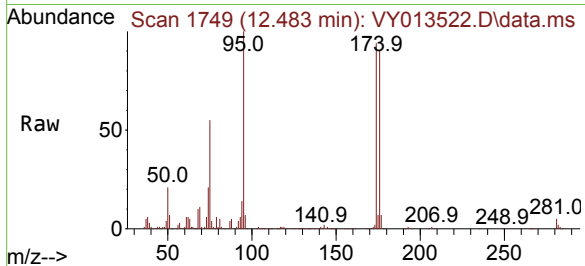




#62
4-Bromofluorobenzene
Concen: 50.253 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

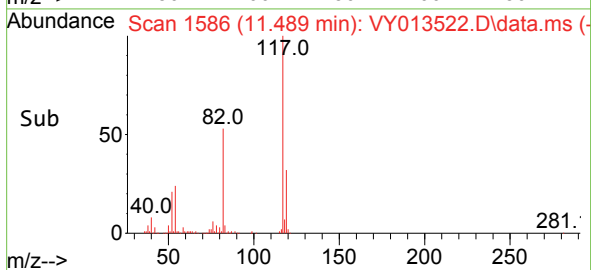
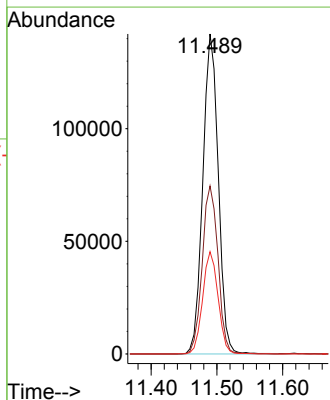
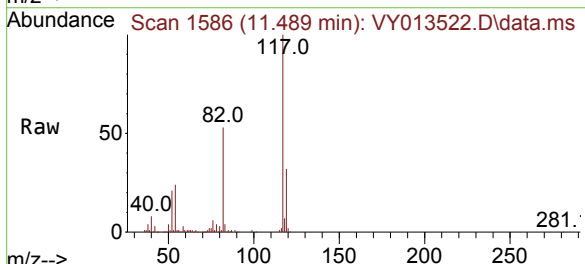
Instrument :
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TR-305A-VOC-01

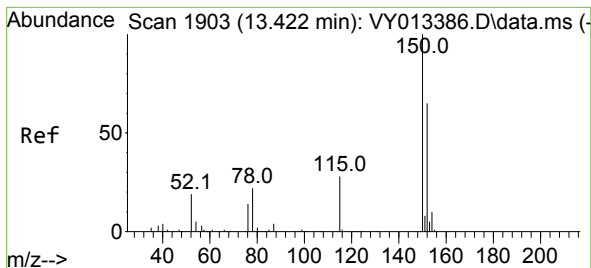
Tgt Ion: 95 Resp: 91357
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.0
176 89.0 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013522.D
Acq: 28 Apr 2023 13:43

Tgt Ion: 117 Resp: 232592
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 32.0 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: VY013522.D

Acq: 28 Apr 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

TR-305A-VOC-01

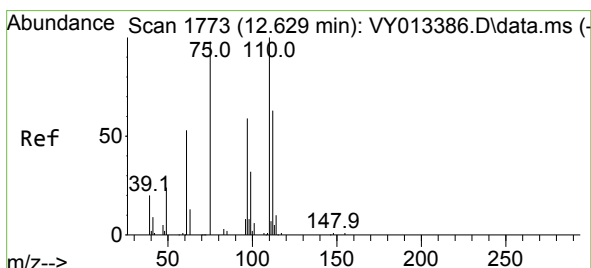
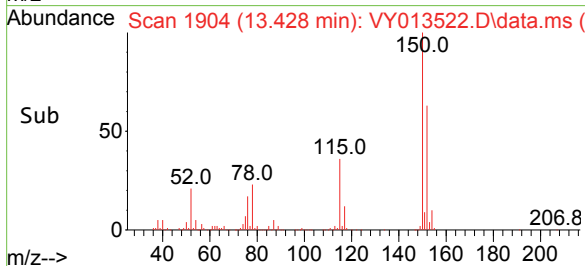
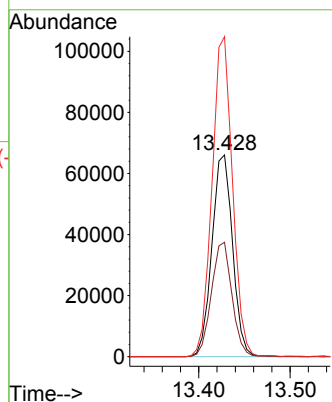
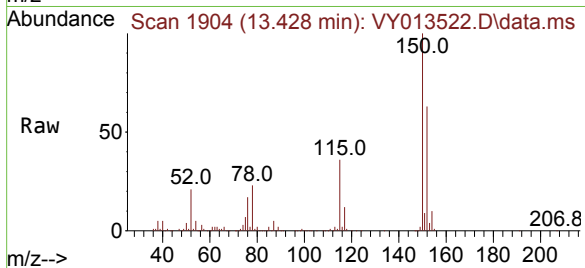
Tgt Ion:152 Resp: 103713

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

150 156.9 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.518 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013522.D

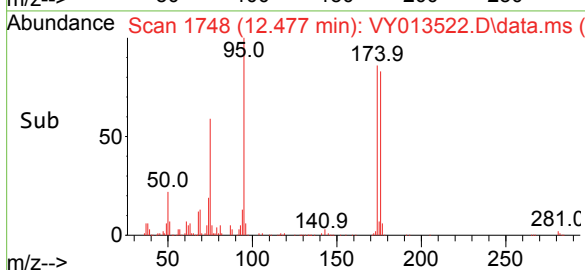
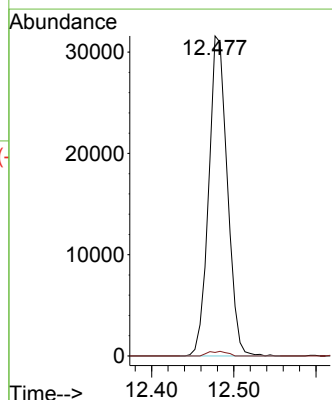
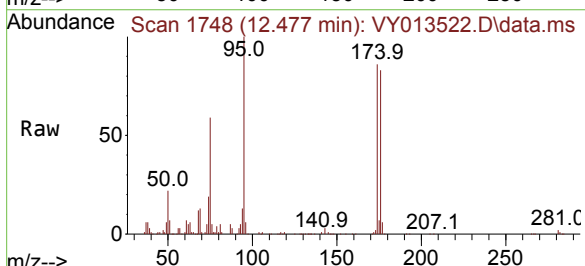
Acq: 28 Apr 2023 13:43

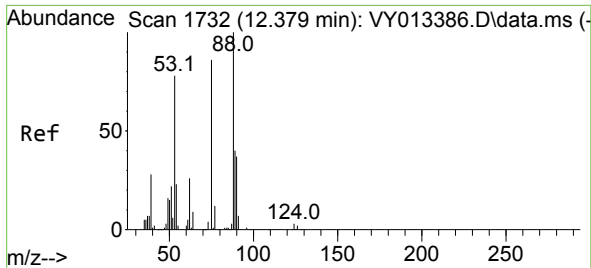
Tgt Ion: 75 Resp: 49679

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.654 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013522.D
 Acq: 28 Apr 2023 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-305A-VOC-01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	73.2	109.8#
89	0.0	38.0	57.0#

