

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003721.D
 Acq On : 10 Dec 2020 16:08
 Operator : SY/MD
 Sample : L4980-03RE
 Misc : 5.18G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E8RE

Quant Time: Dec 11 01:31:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	260670	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	51232	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58807	15.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.80%
7) Chloroethane-d5	2.77	69	51899	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
10) 1,1-Dichloroethene-d2	3.86	63	87090	12.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.20%
20) 2-Butanone-d5	6.90	46	44591	33.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.86%
24) Chloroform-d	7.49	84	124745	18.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.40%
26) 1,2-Dichloroethane-d4	8.15	65	71371	18.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.64%
29) Benzene-d6	8.12	84	251700	22.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.00%
33) 1,2-Dichloropropane-d6	9.13	67	78619	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.00%
37) Toluene-d8	10.18	98	204117	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.40%
38) trans-1,3-Dichloropropene-	10.44	79	34567	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.36%
39) 2-Hexanone-d5	10.79	63	36036	43.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.88%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	58215	19.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	34082	18.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.24%#

Target Compounds

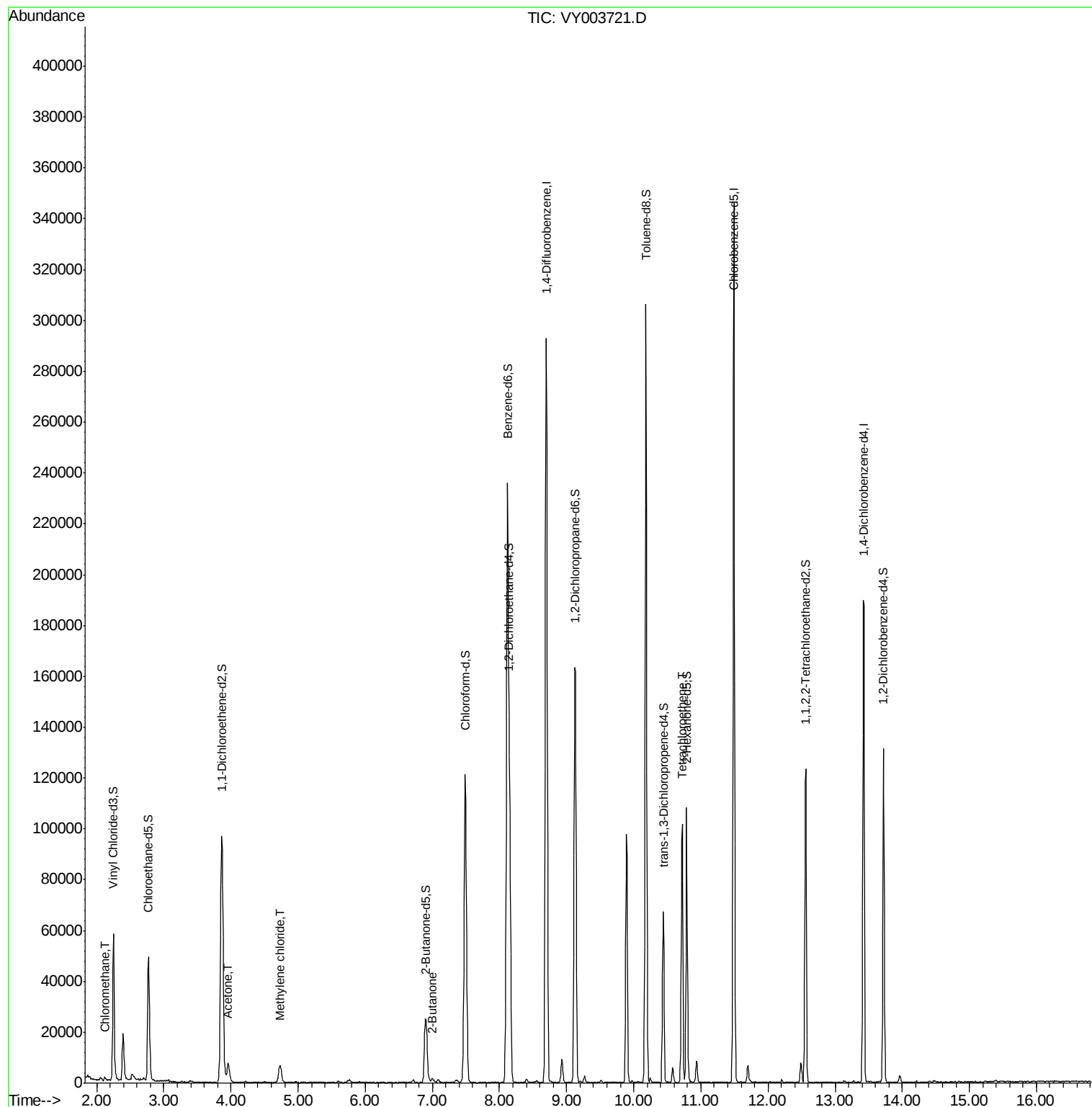
					Ovalue
3) Chloromethane	2.11	50	1033	0.325 ug/L #	78
13) Acetone	3.95	43	11954	12.409 ug/L	98
16) Methylene chloride	4.73	84	5044	1.102 ug/L	95
21) 2-Butanone	7.00	43	2335	1.373 ug/L #	61
47) Tetrachloroethene	10.72	164	23065	9.757 ug/L	95

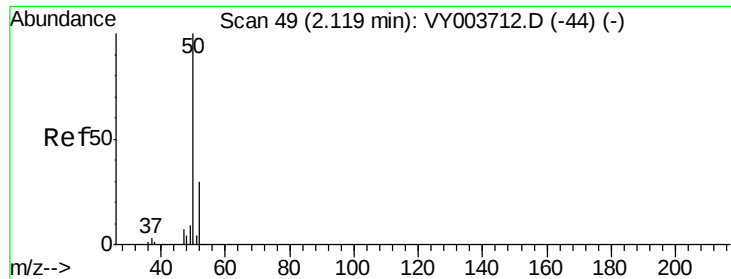
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.325 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.01 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

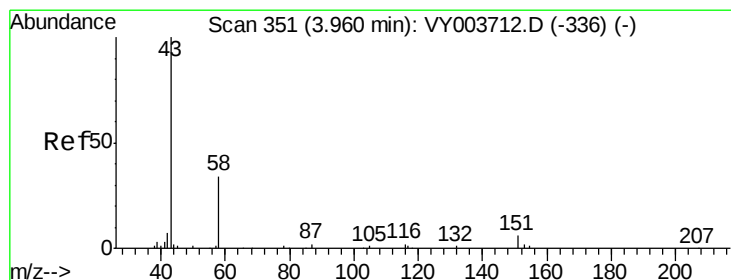
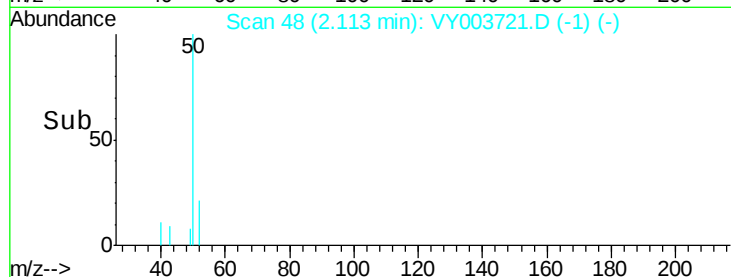
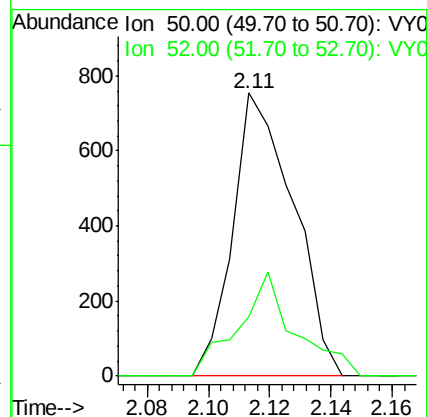
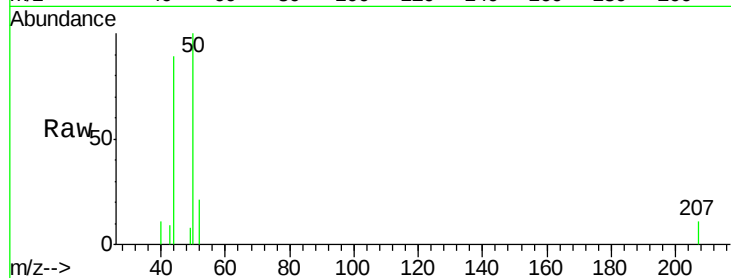
GB1E8RE

Tot Ion: 50 Resp: 1033

Ion Ratio Lower Upper

50 100

52 20.8 23.1 42.9#



#13

Acetone

Concen: 12.409 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003721.D

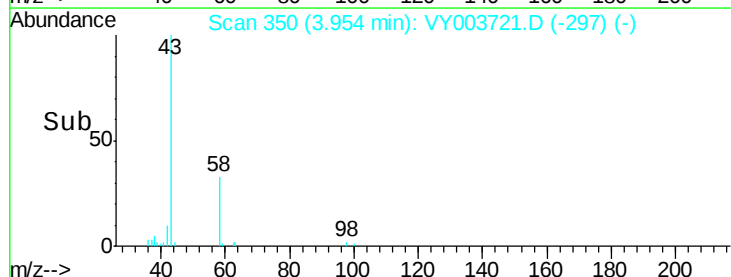
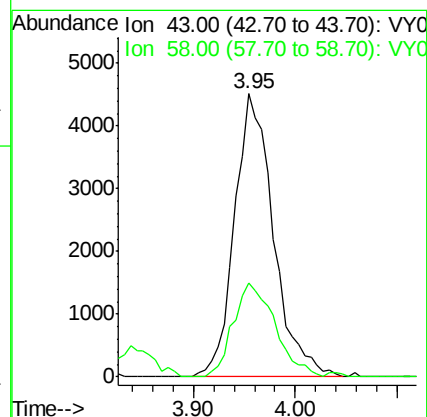
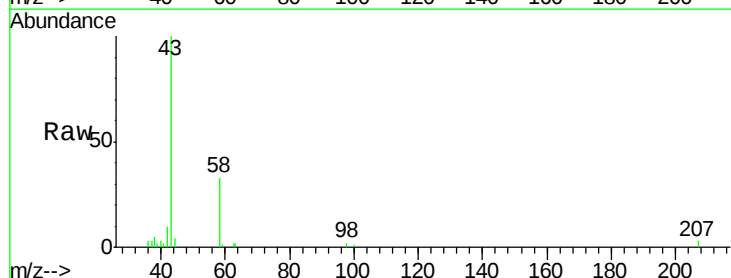
Acq: 10 Dec 2020 16:08

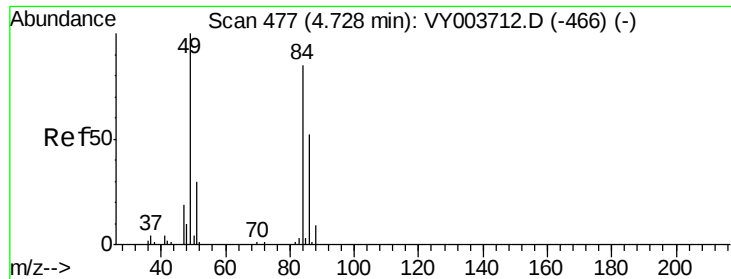
Tgt Ion: 43 Resp: 11954

Ion Ratio Lower Upper

43 100

58 35.7 0.0 68.8

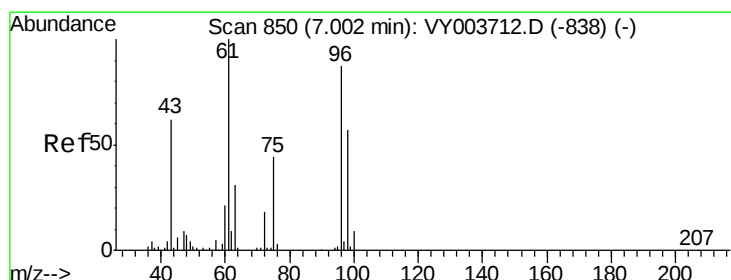
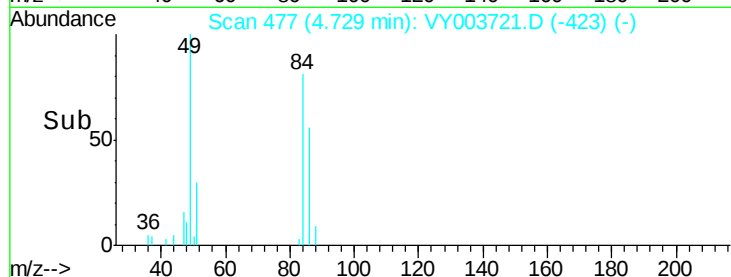
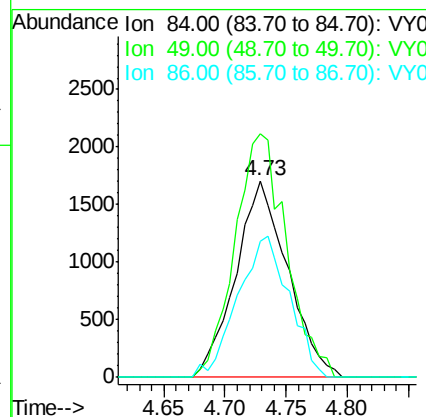
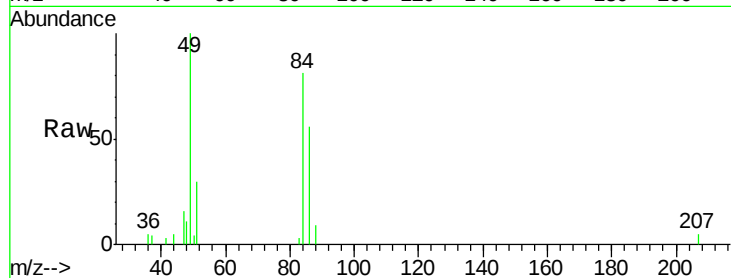




#16
Methvlene chloride
Concen: 1.102 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003721.D
Acq: 10 Dec 2020 16:08

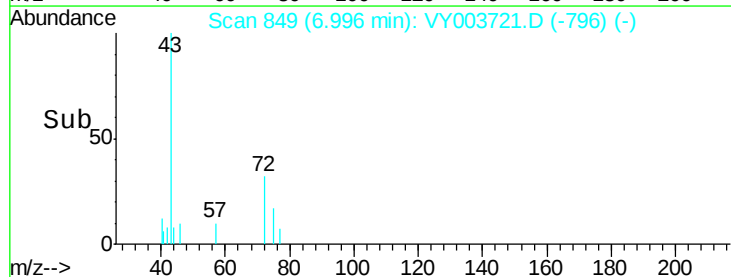
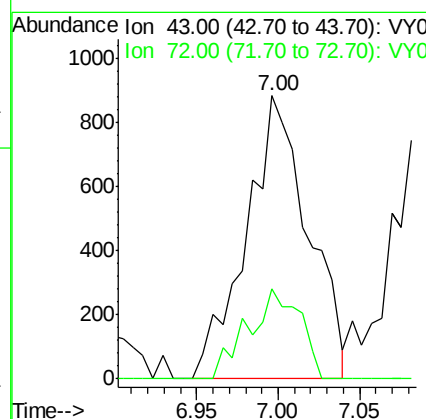
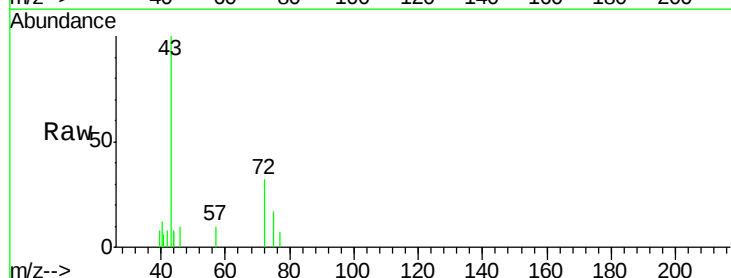
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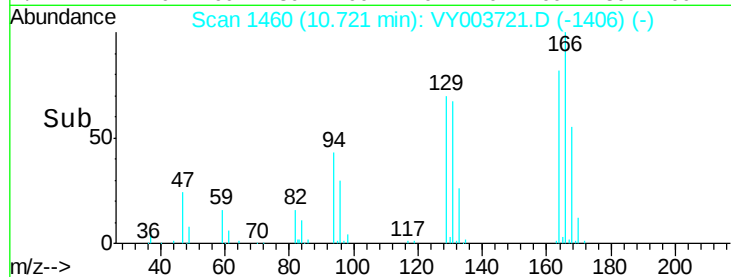
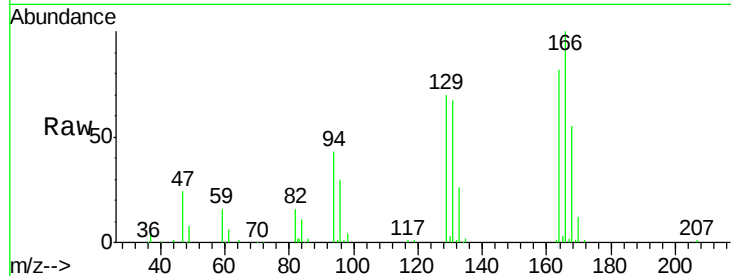
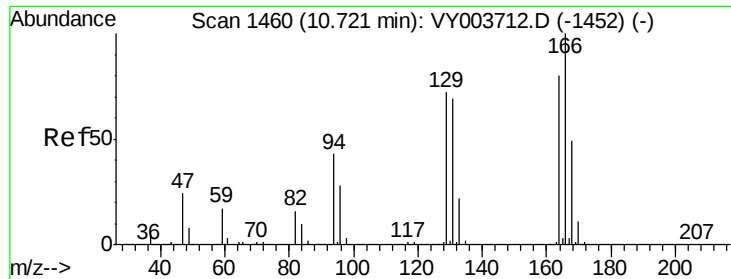
Tot Ion: 84 Resp: 5044
Ion Ratio Lower Upper
84 100
49 124.0 83.7 155.4
86 69.7 45.0 83.6



#21
2-Butanone
Concen: 1.373 ug/L
RT: 7.00 min Scan# 849
Delta R.T. -0.01 min
Lab File: VY003721.D
Acq: 10 Dec 2020 16:08

Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
72 6.4 13.3 39.9#





#47

Tetrachloroethene

Concen: 9.757 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003721.D

Acq: 10 Dec 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

GB1E8RE

Tot Ion:164 Resp: 23065

Ion Ratio Lower Upper

164 100

129 84.9 59.6 110.6

131 81.4 57.9 107.5

166 122.0 93.2 173.2

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

