

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\
 Data File : VW016626.D
 Acq On : 23 Sep 2020 13:15
 Operator : SY/VA
 Sample : L4108-10
 Misc : 5.29G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3K7

Quant Time: Sep 24 04:41:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 04:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	713046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	622255	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	306778	25.00	ug/L	0.00

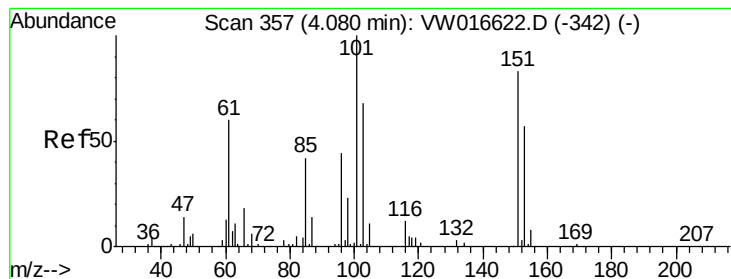
System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	164298	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.20%
7) Chloroethane-d5	2.90	69	138936	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
10) 1,1-Dichloroethene-d2	4.03	63	261976	16.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.92%
20) 2-Butanone-d5	7.09	46	61523	32.69	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.38%
24) Chloroform-d	7.65	84	353894	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	175983	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	8.27	84	704921	25.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.04%
33) 1,2-Dichloropropane-d6	9.27	67	188519	24.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.72%
37) Toluene-d8	10.33	98	683028	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	10.58	79	80971	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.96%
39) 2-Hexanone-d5	10.93	63	50920	37.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130051	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	237348	24.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.84%

Target Compounds

					Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2505	0.273 ug/L #	21
12) 1,1-Dichloroethene	4.03	96	2407	0.267 ug/L #	1
13) Acetone	4.15	43	2616	1.775 ug/L	95
14) Carbon disulfide	4.40	76	5754	0.211 ug/L #	90
16) Methylene chloride	4.93	84	27555	2.506 ug/L	95
21) 2-Butanone	7.15	43	2519	1.005 ug/L #	52
42) cis-1,3-Dichloropropene	10.04	75	6856	0.517 ug/L #	73
45) trans-1,3-Dichloropropene	10.58	75	4106	0.356 ug/L	85

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



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.273 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

BG3K7

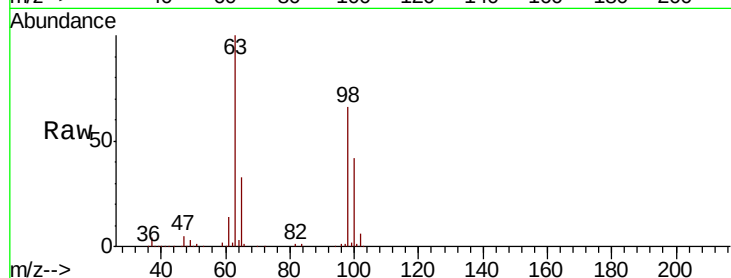
Tot Ion:101 Resp: 2505

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

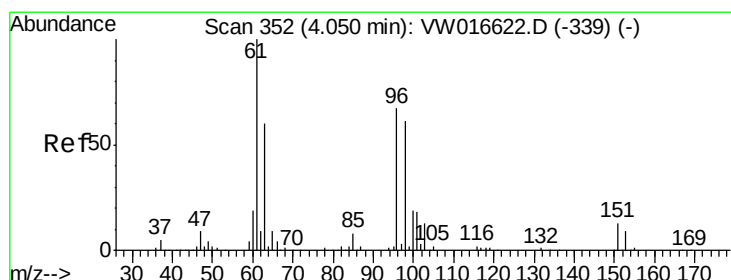
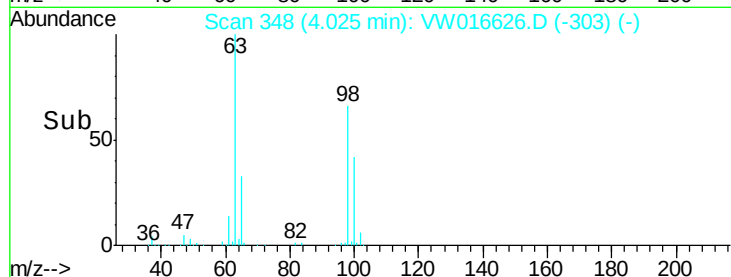
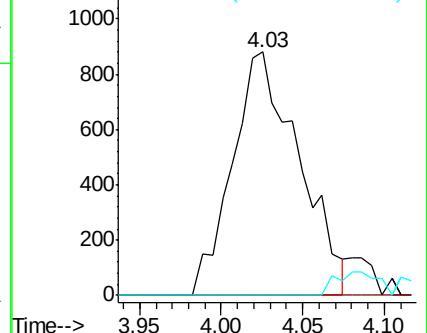
151 6.0 66.0 99.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.02 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

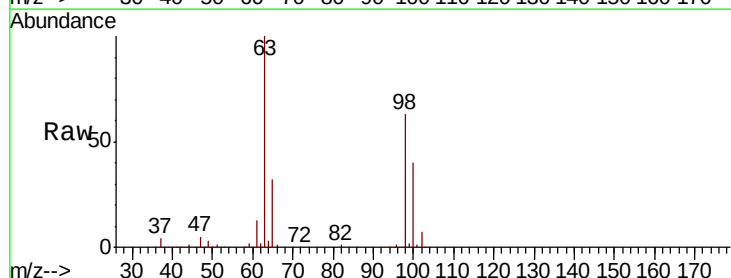
Tgt Ion: 96 Resp: 2407

Ion Ratio Lower Upper

96 100

61 1272.4 111.4 206.8#

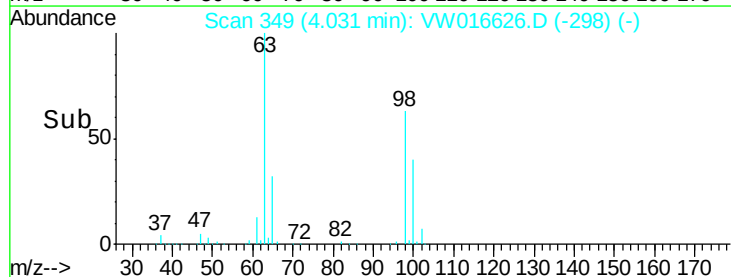
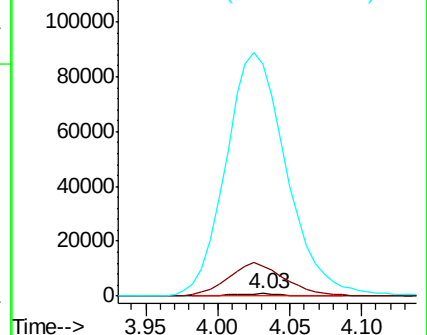
63 9832.3 73.0 135.6#

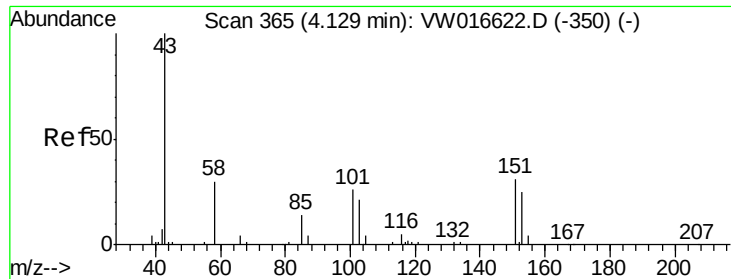


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.775 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

Instrument :

MSVOA_W

ClientSampled :

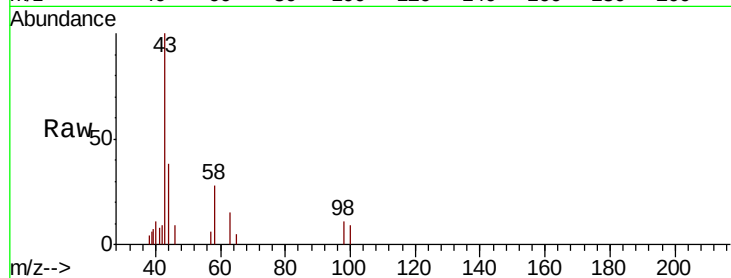
BG3K7

Tot Ion: 43 Resp: 2616

Ion Ratio Lower Upper

43 100

58 27.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

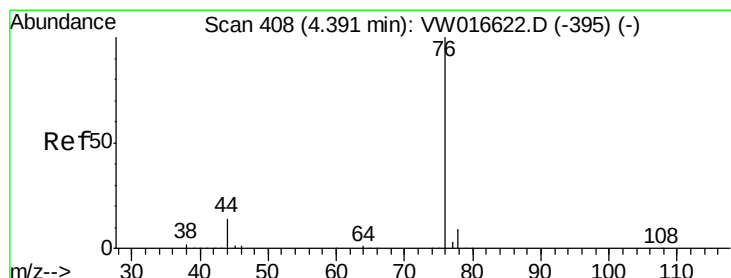
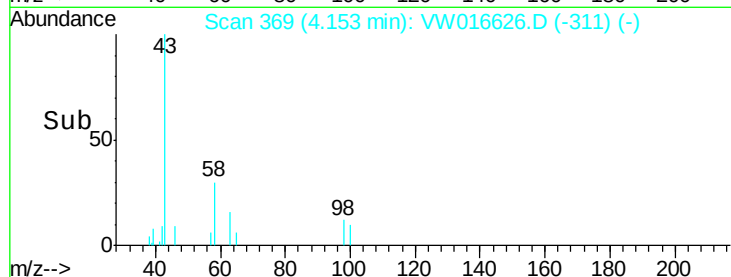
1000

500

0

4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 0.211 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016626.D

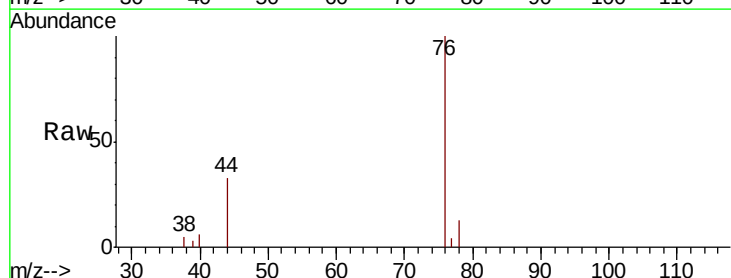
Acq: 23 Sep 2020 13:15

Tgt Ion: 76 Resp: 5754

Ion Ratio Lower Upper

76 100

78 12.8 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

2000

1500

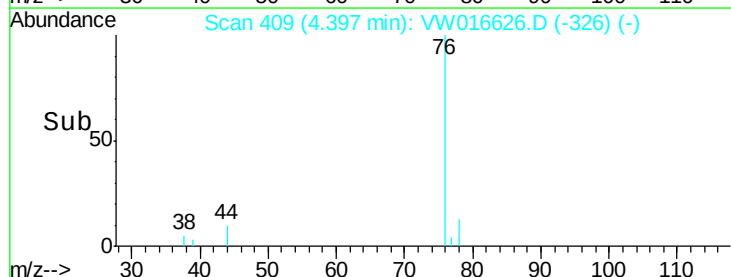
1000

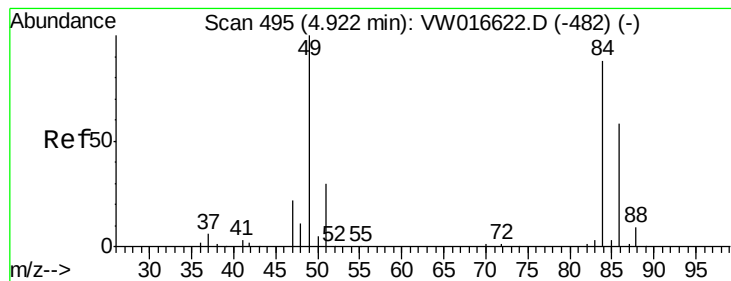
500

0

4.30 4.35 4.40 4.45 4.50

Time-->





#16

Methylene chloride

Concen: 2.506 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

Instrument :

MSVOA_W

ClientSampled :

BG3K7

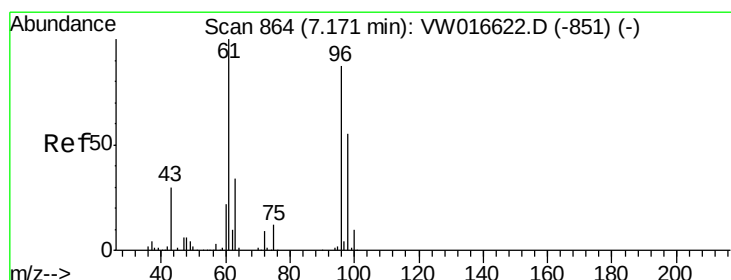
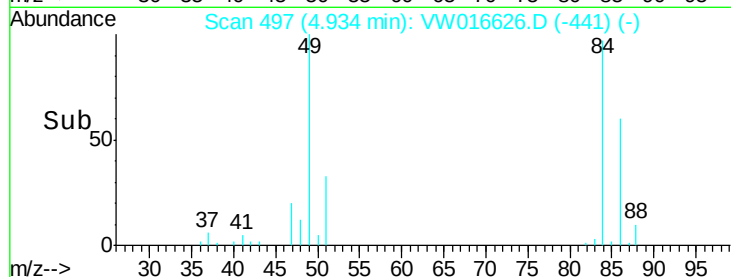
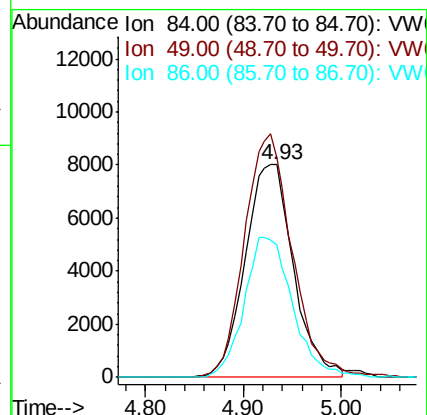
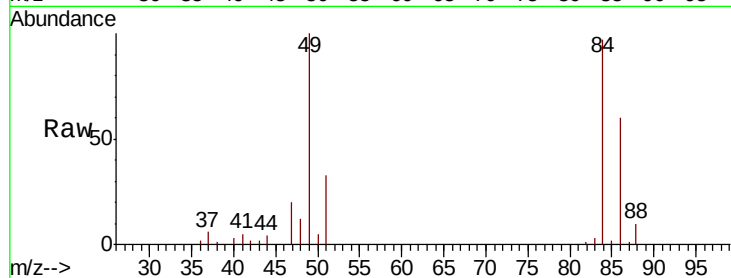
Tot Ion: 84 Resp: 27555

Ion Ratio Lower Upper

84 100

49 103.2 76.0 141.2

86 62.3 45.6 84.6



#21

2-Butanone

Concen: 1.005 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW016626.D

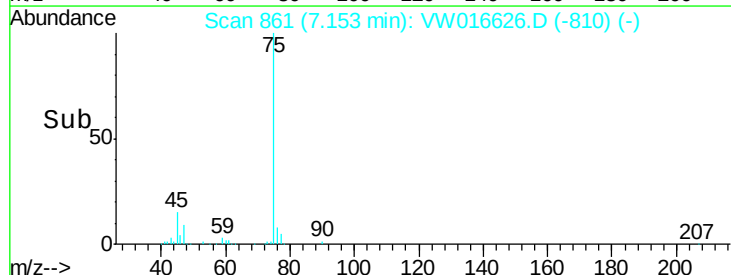
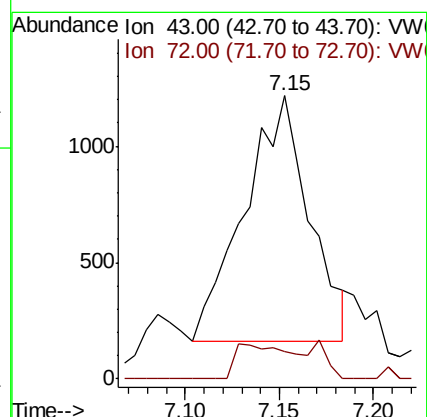
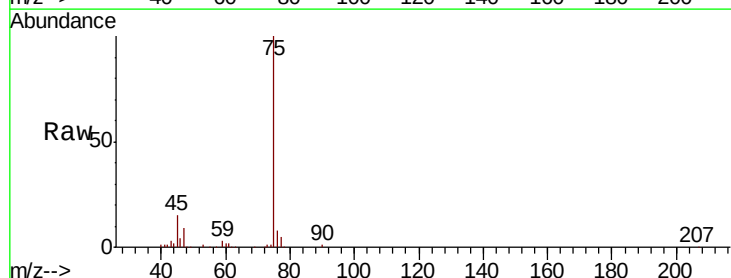
Acq: 23 Sep 2020 13:15

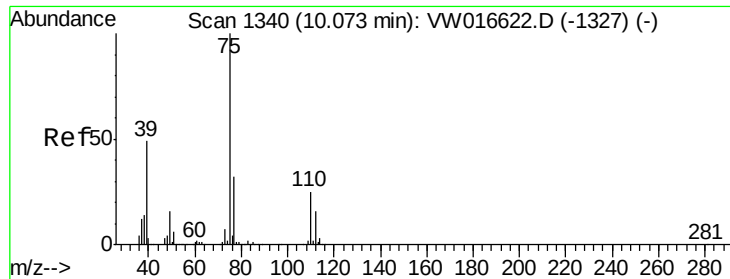
Tgt Ion: 43 Resp: 2519

Ion Ratio Lower Upper

43 100

72 3.3 14.6 43.8#





#42

cis-1,3-Dichloropropene

Concen: 0.517 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

Instrument :

MSVOA_W

ClientSampleId :

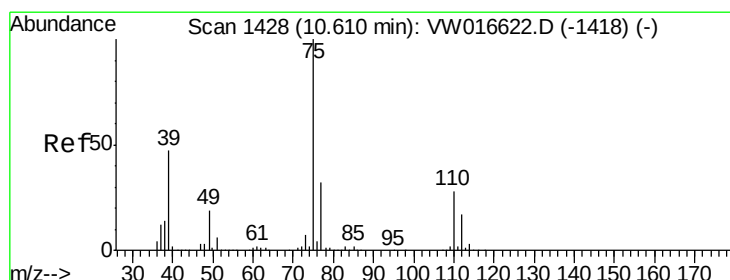
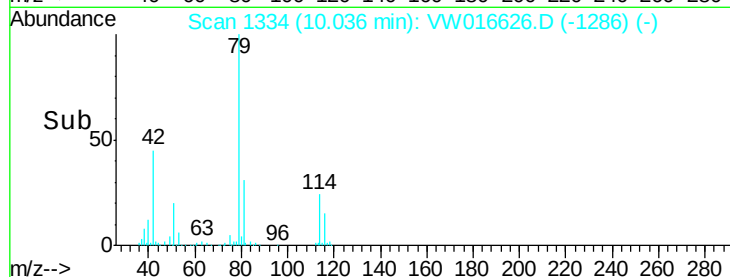
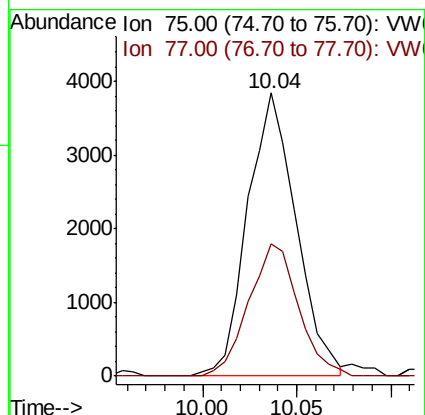
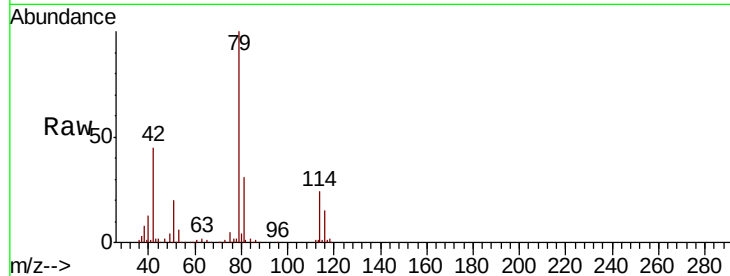
BG3K7

Tot Ion: 75 Resp: 6856

Ion Ratio Lower Upper

75 100

77 46.7 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.356 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016626.D

Acq: 23 Sep 2020 13:15

Tgt Ion: 75 Resp: 4106

Ion Ratio Lower Upper

75 100

77 40.8 22.5 41.9

