

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009759.D
 Acq On : 06 Apr 2019 06:08
 Operator : SY/VA
 Sample : K2188-08
 Misc : 4.31G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF652

Quant Time: Apr 06 07:10:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 05:36:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	479072	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	443320	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183909	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	147909	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
7) Chloroethane-d5	2.89	69	139058	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
10) 1,1-Dichloroethene-d2	4.01	63	258283	19.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.64%
20) 2-Butanone-d5	7.07	46	81643	40.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.22%
24) Chloroform-d	7.64	84	331486	25.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	8.30	65	208150	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.76%
29) Benzene-d6	8.27	84	651632	28.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.00%
33) 1,2-Dichloropropane-d6	9.27	67	201312	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.04%
37) Toluene-d8	10.32	98	580781	26.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.96%
38) trans-1,3-Dichloropropene-	10.57	79	73497	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.76%
39) 2-Hexanone-d5	10.93	63	53986	39.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136455	20.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	170349	26.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.60%

Target Compounds

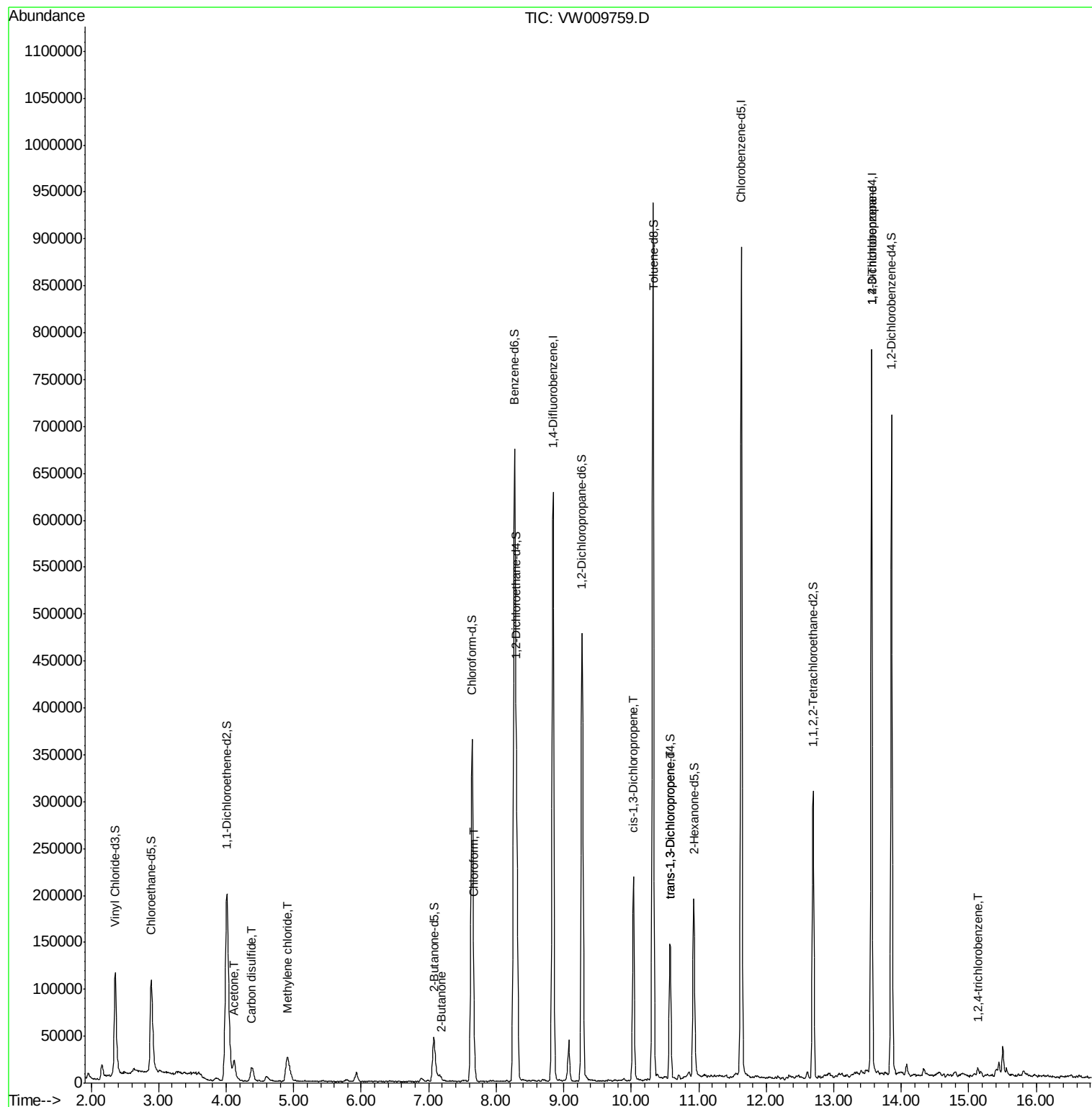
					Qvalue
13) Acetone	4.12	43	33396	15.313	ug/L 100
14) Carbon disulfide	4.37	76	20420	1.032	ug/L 99
16) Methylene chloride	4.91	84	22644	2.680	ug/L 95
21) 2-Butanone	7.18	43	6496	2.342	ug/L 82
25) Chloroform	7.67	83	15286	1.149	ug/L # 66
42) cis-1,3-Dichloropropene	10.04	75	6507	0.615	ug/L 99
45) trans-1,3-Dichloropropene	10.58	75	4100	0.450	ug/L 84
59) 1,2,3-Trichloropropane	13.56	75	24956	4.865	ug/L 89
68) 1,2,4-trichlorobenzene	15.13	180	1803	0.266	ug/L # 75

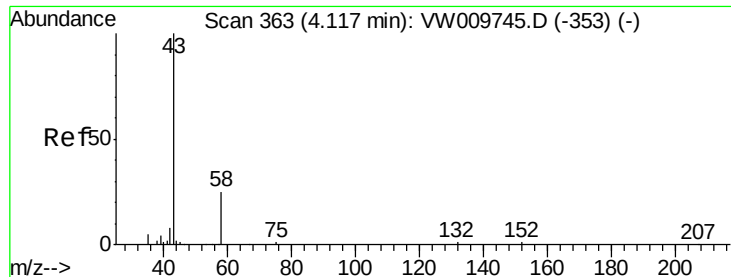
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.313 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009759.D

Acq: 06 Apr 2019 06:08

Instrument :

MSVOA_W

ClientSampleId :

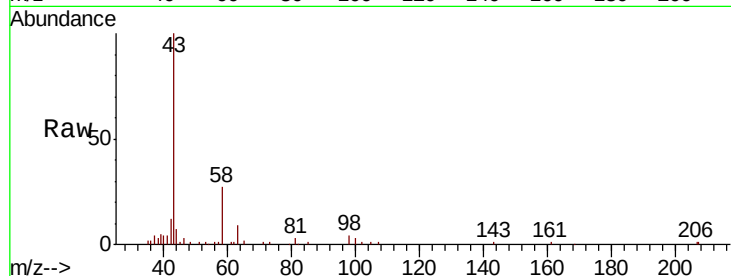
BF652

Tgt Ion: 43 Resp: 33396

Ion Ratio Lower Upper

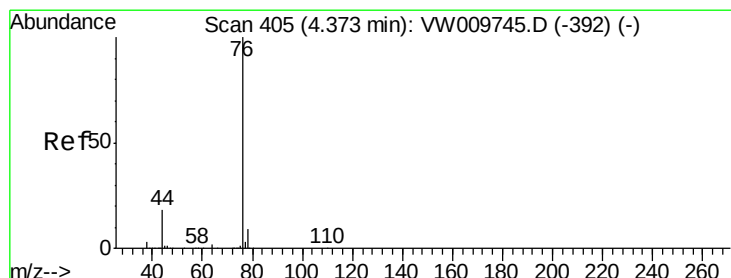
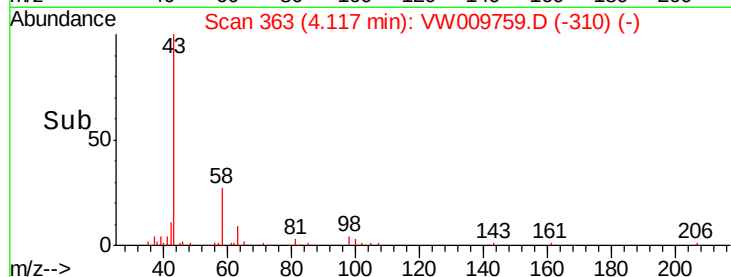
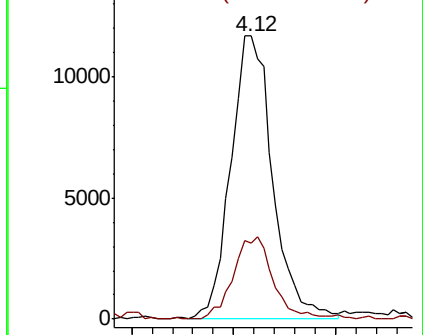
43 100

58 26.8 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.032 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009759.D

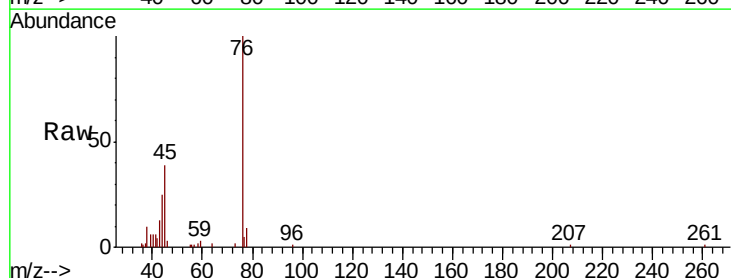
Acq: 06 Apr 2019 06:08

Tgt Ion: 76 Resp: 20420

Ion Ratio Lower Upper

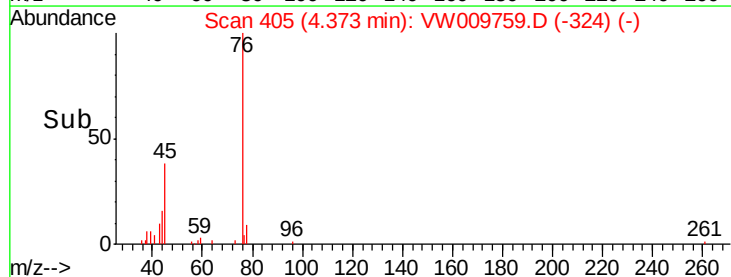
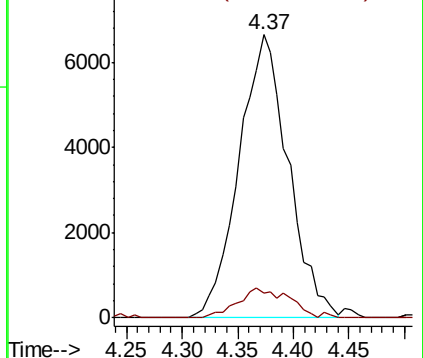
76 100

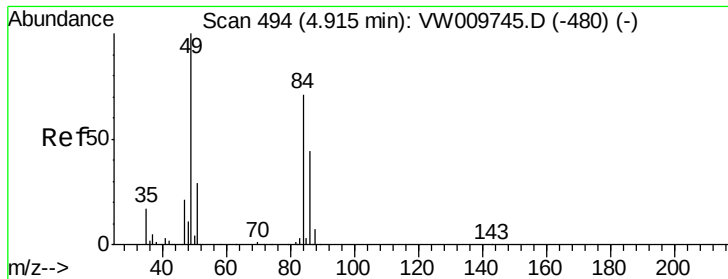
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

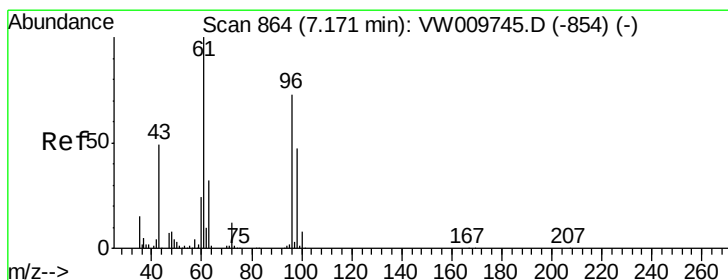
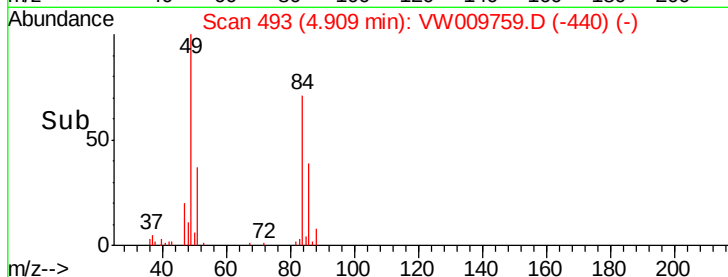
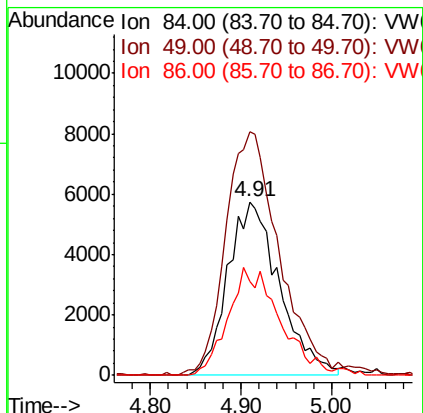
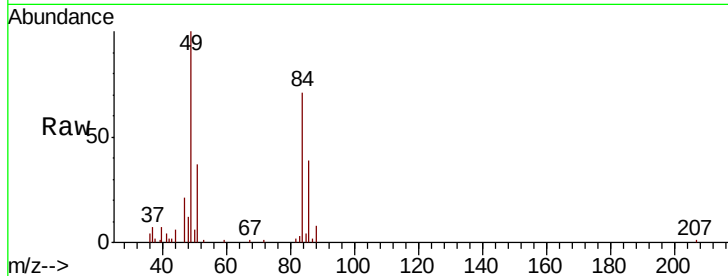




#16
Methylene chloride
Concen: 2.680 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009759.D
Acq: 06 Apr 2019 06:08

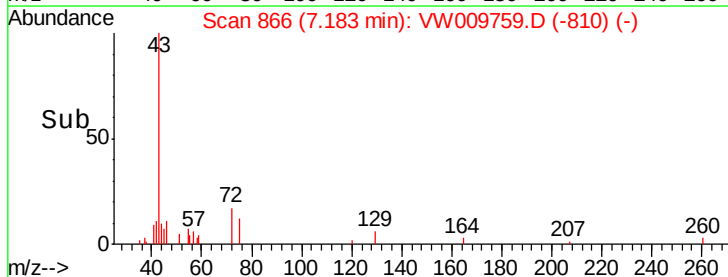
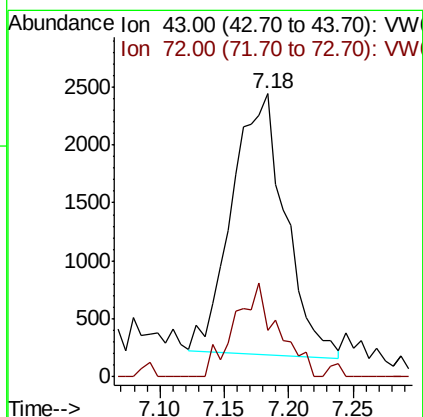
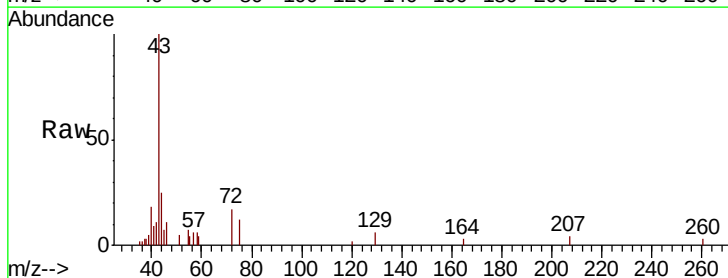
Instrument :
MSVOA_W
ClientSampleId :
BF652

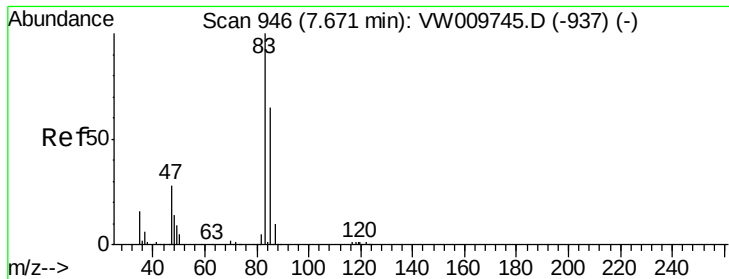
Tgt Ion: 84 Resp: 22644
Ion Ratio Lower Upper
84 100
49 140.1 98.3 182.5
86 54.1 46.4 86.2



#21
2-Butanone
Concen: 2.342 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW009759.D
Acq: 06 Apr 2019 06:08

Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
72 15.4 12.0 36.1





#25

Chloroform

Concen: 1.149 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW009759.D

Acq: 06 Apr 2019 06:08

Instrument :

MSVOA_W

ClientSampleId :

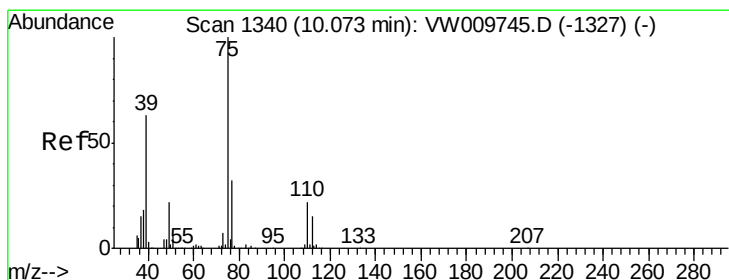
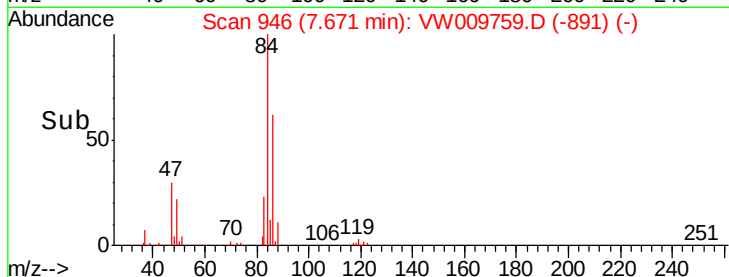
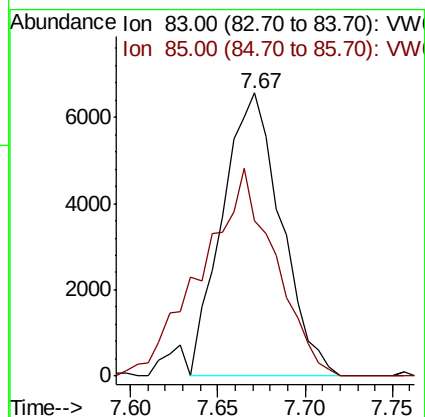
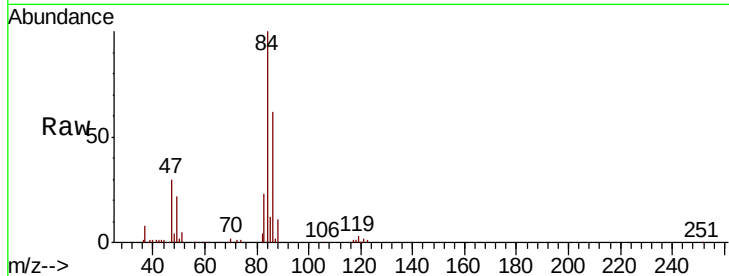
BF652

Tgt Ion: 83 Resp: 15286

Ion Ratio Lower Upper

83 100

85 91.8 45.6 84.8#



#42

cis-1,3-Dichloropropene

Concen: 0.615 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009759.D

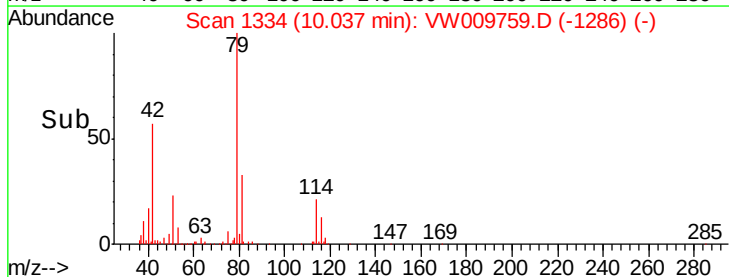
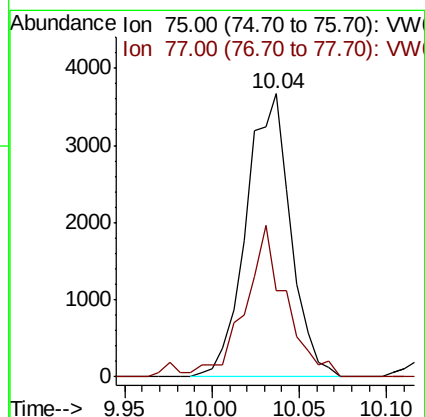
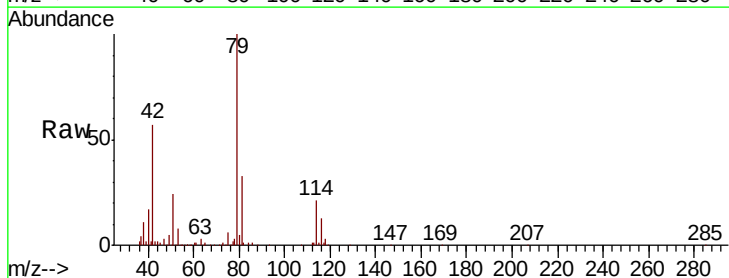
Acq: 06 Apr 2019 06:08

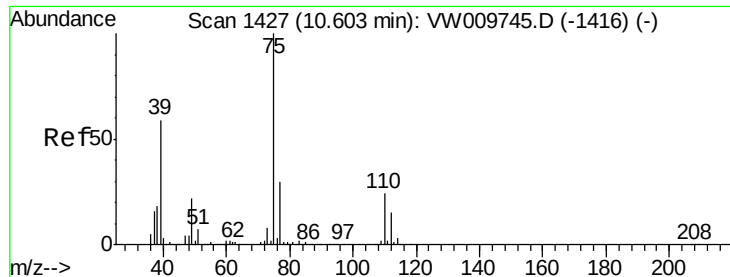
Tgt Ion: 75 Resp: 6507

Ion Ratio Lower Upper

75 100

77 30.5 21.0 39.0





#45

trans-1,3-Dichloropropene

Concen: 0.450 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009759.D

Acq: 06 Apr 2019 06:08

Instrument :

MSVOA_W

ClientSampled :

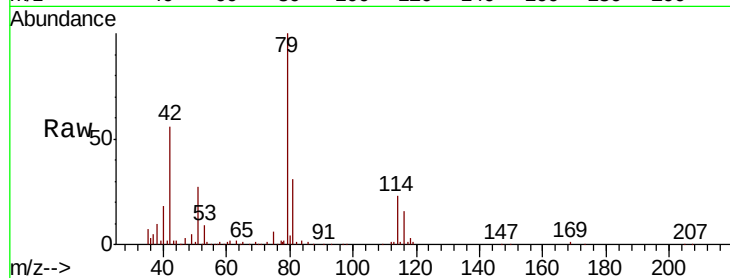
BF652

Tgt Ion: 75 Resp: 4100

Ion Ratio Lower Upper

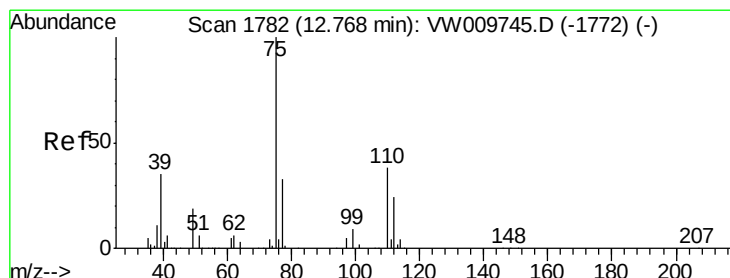
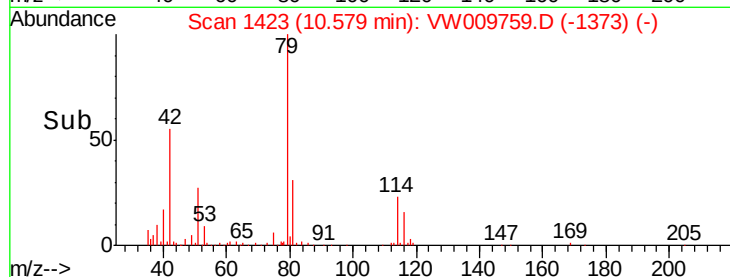
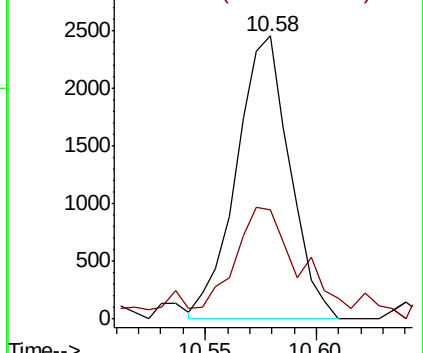
75 100

77 38.7 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#59

1,2,3-Trichloropropane

Concen: 4.865 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009759.D

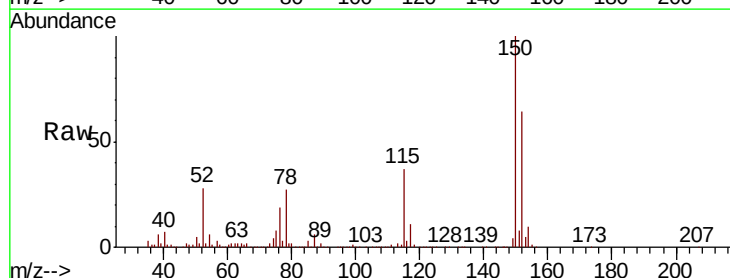
Acq: 06 Apr 2019 06:08

Tgt Ion: 75 Resp: 24956

Ion Ratio Lower Upper

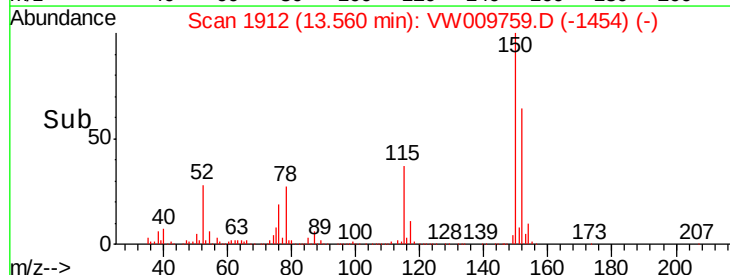
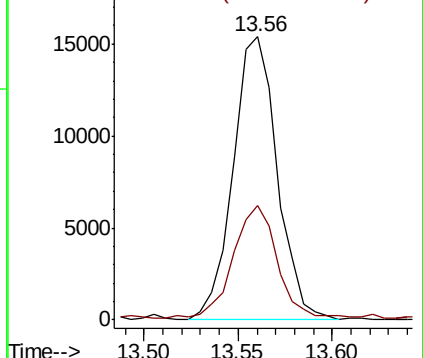
75 100

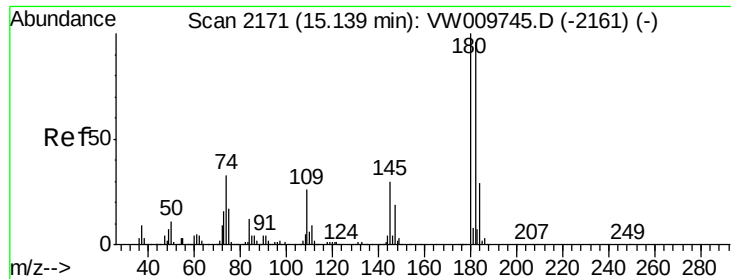
77 38.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#68
 1,2,4-trichlorobenzene
 Concen: 0.266 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009759.D
 Acq: 06 Apr 2019 06:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BF652

Tgt Ion:180 Resp: 1803
 Ion Ratio Lower Upper
 180 100
 182 108.7 75.8 113.8
 145 62.8 24.3 36.5#

