

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009753.D
 Acq On : 06 Apr 2019 03:25
 Operator : SY/VA
 Sample : K2188-05
 Misc : 5.29G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF661RE

Quant Time: Apr 06 05:40:02 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	345902	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	308279	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	110312	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123100	27.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.80%
7) Chloroethane-d5	2.89	69	118055	28.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.88%
10) 1,1-Dichloroethene-d2	4.01	63	208793	21.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.80%
20) 2-Butanone-d5	7.08	46	87131	59.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.58%
24) Chloroform-d	7.64	84	282291	29.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	119.64%
26) 1,2-Dichloroethane-d4	8.30	65	184079	31.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	127.08%
29) Benzene-d6	8.27	84	533394	32.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	131.84%
33) 1,2-Dichloropropane-d6	9.27	67	164916	32.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.96%#
37) Toluene-d8	10.32	98	451700	30.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.76%
38) trans-1,3-Dichloropropene-	10.58	79	60239	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.08%
39) 2-Hexanone-d5	10.92	63	58307	61.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125333	26.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	117619	30.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	121.56%#

Target Compounds

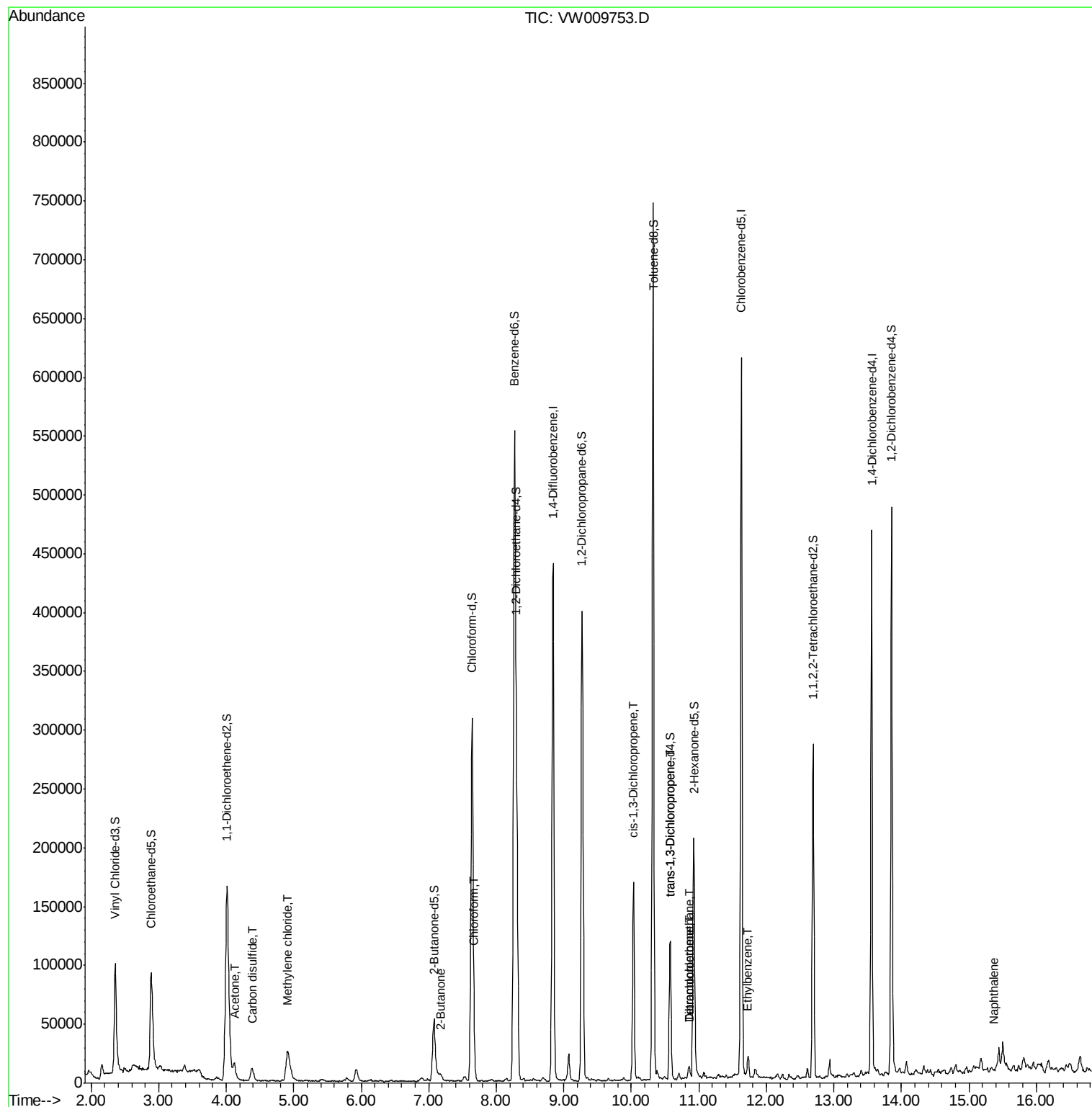
					Qvalue
13) Acetone	4.12	43	21516	13.664 ug/L	94
14) Carbon disulfide	4.38	76	15343	1.074 ug/L	100
16) Methylene chloride	4.90	84	7726	1.266 ug/L	96
21) 2-Butanone	7.18	43	3289	1.642 ug/L	88
25) Chloroform	7.68	83	7983	0.831 ug/L #	28
42) cis-1,3-Dichloropropene	10.03	75	4853	0.660 ug/L #	56
45) trans-1,3-Dichloropropene	10.58	75	3338	0.526 ug/L	85
47) Tetrachloroethene	10.87	164	2034	0.532 ug/L	82
50) Dibromochloromethane	10.86	129	1798	0.411 ug/L #	12
53) Ethylbenzene	11.73	91	11561	0.517 ug/L	99
69) Naphthalene	15.37	128	2036	0.249 ug/L #	93

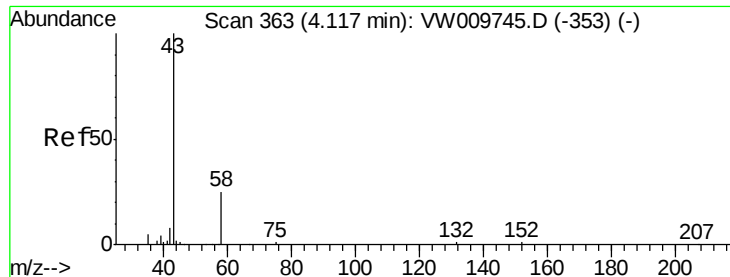
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 13.664 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009753.D

Acq: 06 Apr 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

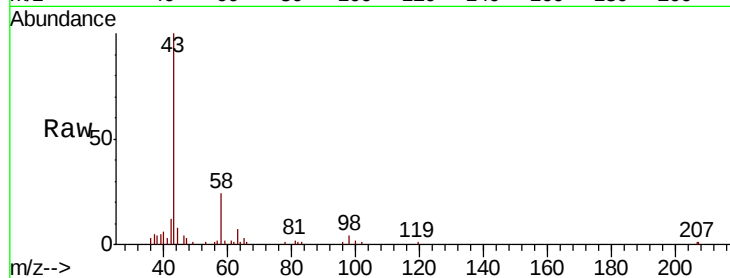
BF661RE

Tgt Ion: 43 Resp: 21516

Ion Ratio Lower Upper

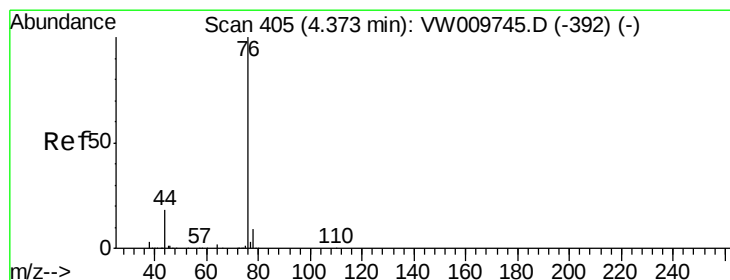
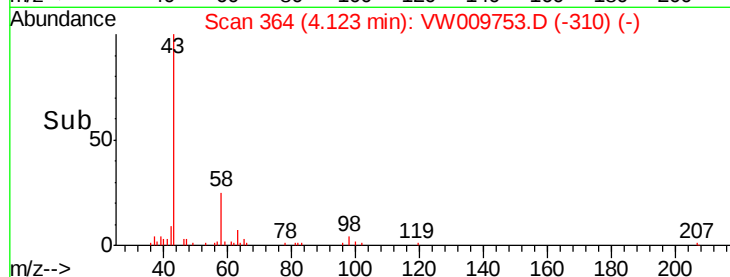
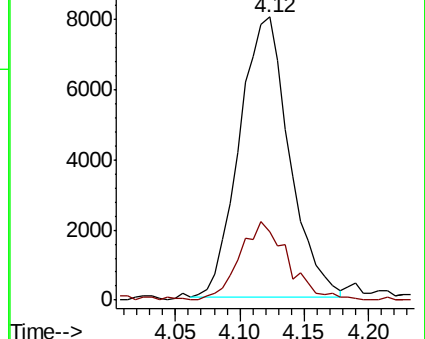
43 100

58 23.7 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: 1.074 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009753.D

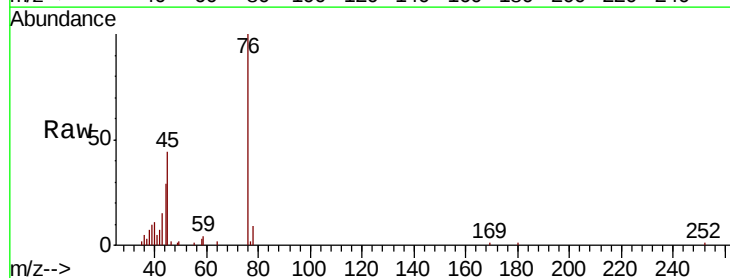
Acq: 06 Apr 2019 03:25

Tgt Ion: 76 Resp: 15343

Ion Ratio Lower Upper

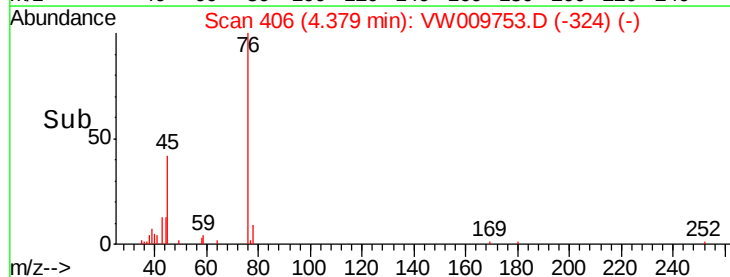
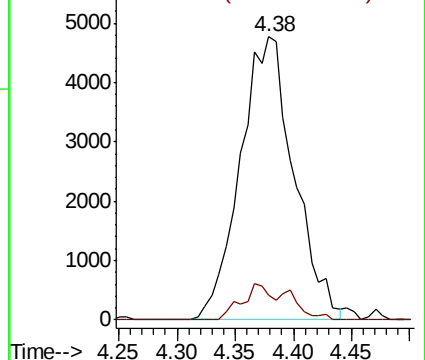
76 100

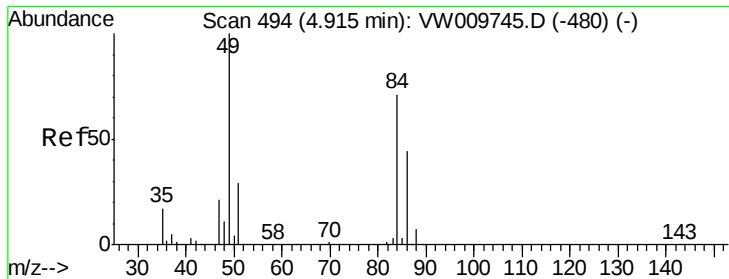
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

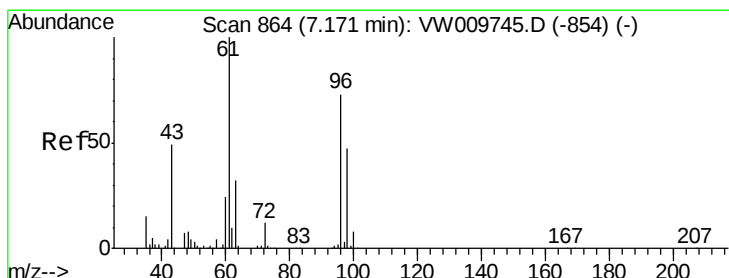
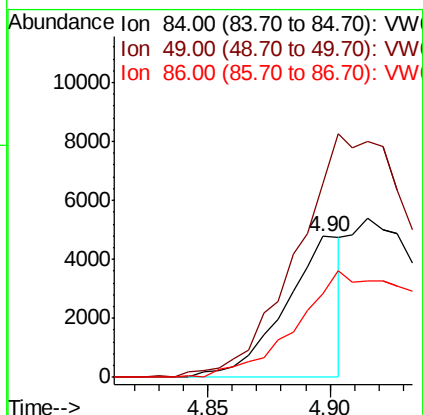
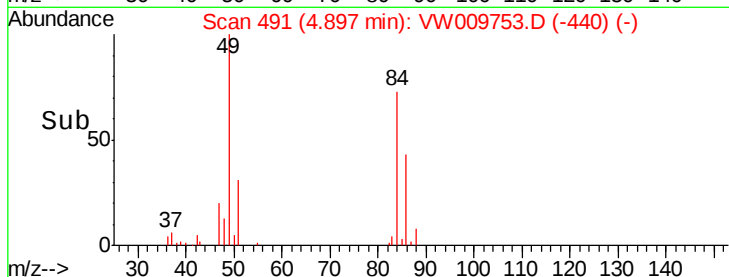
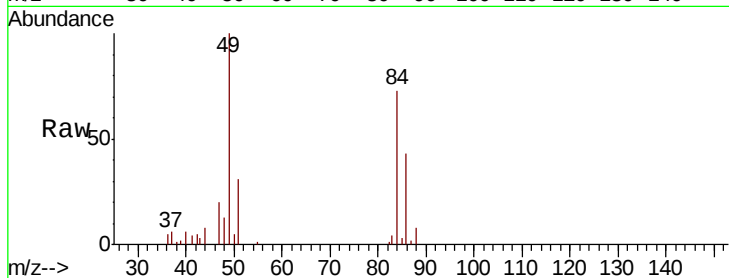




#16
Methylene chloride
Concen: 1.266 ug/L
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW009753.D
Acq: 06 Apr 2019 03:25

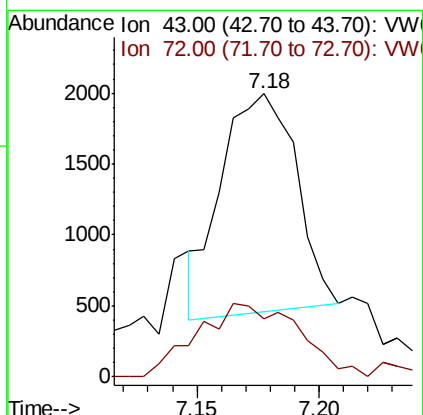
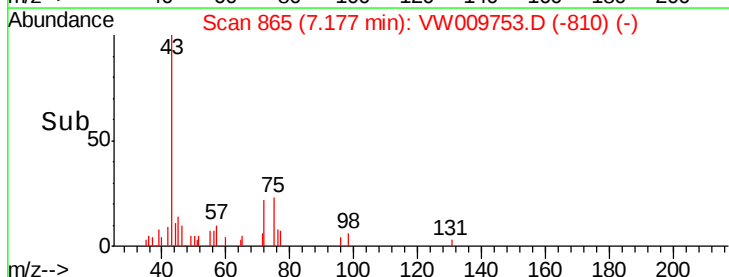
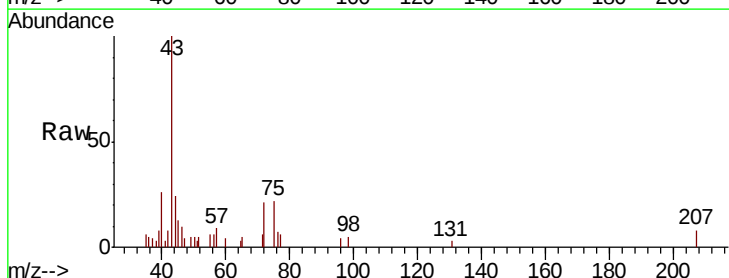
Instrument :
MSVOA_W
ClientSampleId :
BF661RE

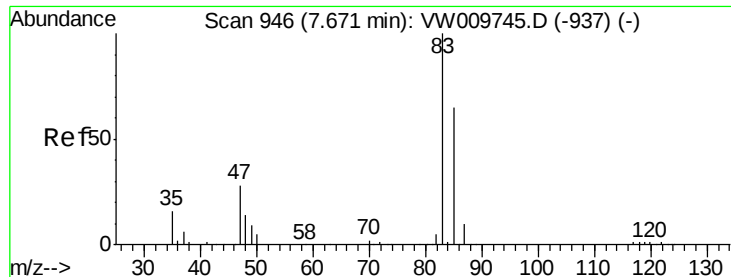
Tgt Ion: 84 Resp: 7726
Ion Ratio Lower Upper
84 100
49 137.6 98.3 182.5
86 59.2 46.4 86.2



#21
2-Butanone
Concen: 1.642 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW009753.D
Acq: 06 Apr 2019 03:25

Tgt Ion: 43 Resp: 3289
Ion Ratio Lower Upper
43 100
72 29.9 12.0 36.1

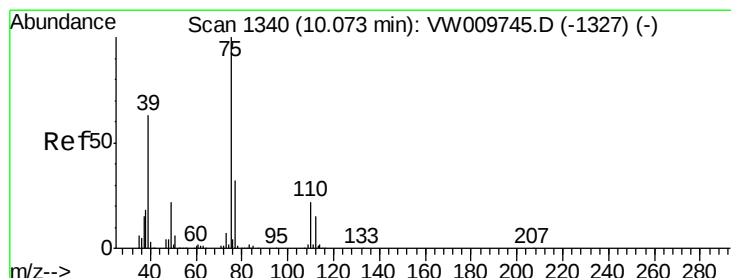
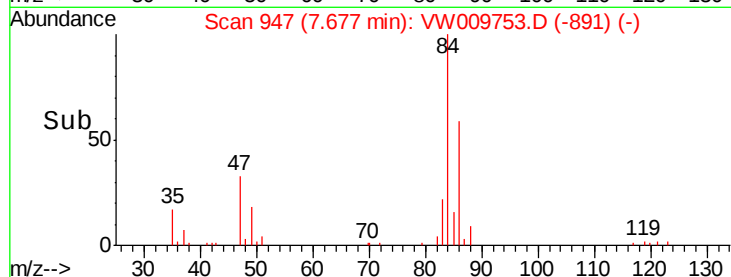
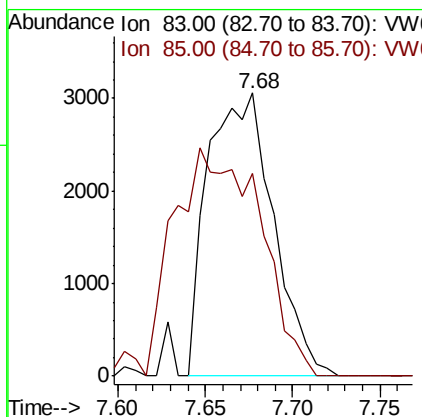
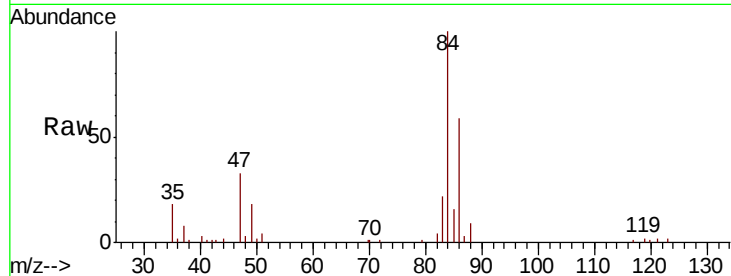




#25
Chloroform
Concen: 0.831 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW009753.D
Acq: 06 Apr 2019 03:25

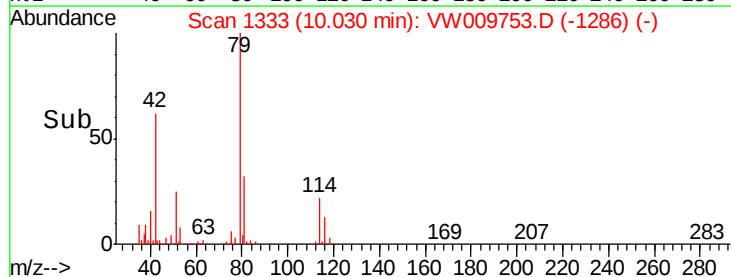
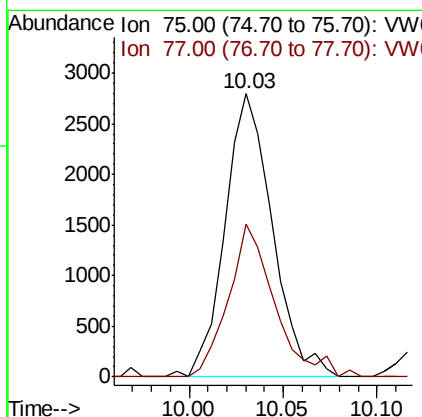
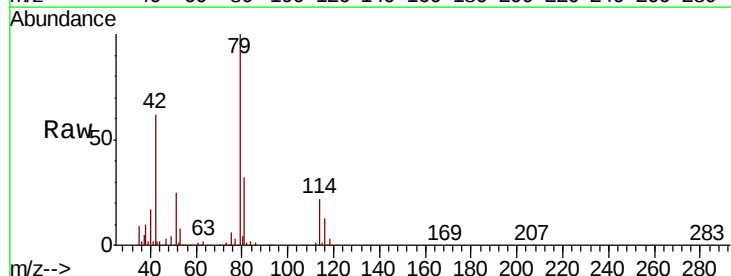
Instrument :
MSVOA_W
ClientSampleId :
BF661RE

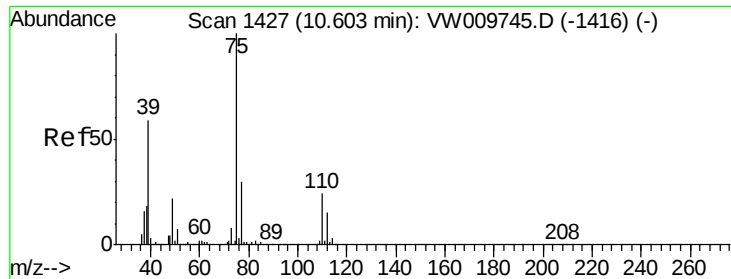
Tgt Ion: 83 Resp: 7983
Ion Ratio Lower Upper
83 100
85 8.2 45.6 84.8#



#42
cis-1,3-Dichloropropene
Concen: 0.660 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW009753.D
Acq: 06 Apr 2019 03:25

Tgt Ion: 75 Resp: 4853
Ion Ratio Lower Upper
75 100
77 54.0 21.0 39.0#





#45

trans-1,3-Dichloropropene

Concen: 0.526 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009753.D

Acq: 06 Apr 2019 03:25

Instrument :

MSVOA_W

ClientSampled :

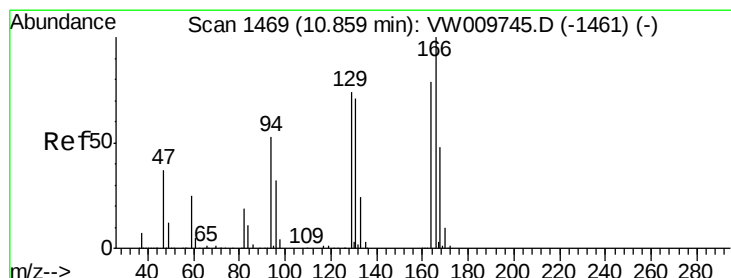
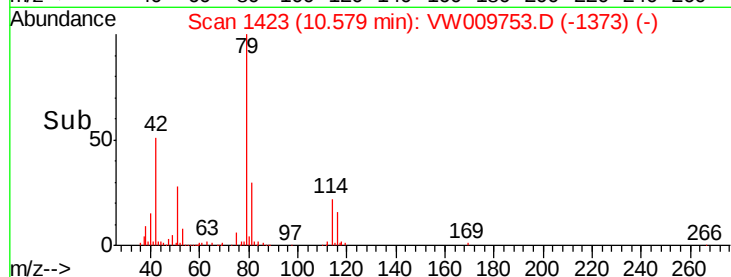
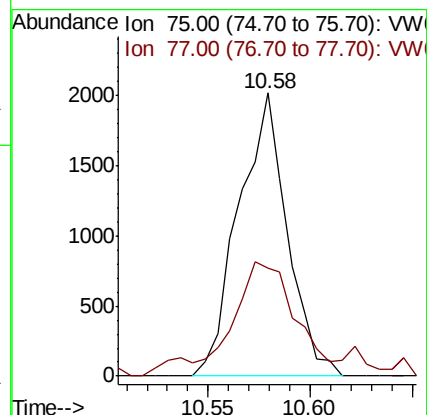
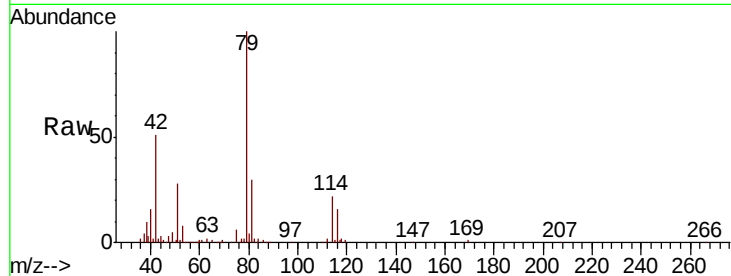
BF661RE

Tgt Ion: 75 Resp: 3338

Ion Ratio Lower Upper

75 100

77 38.1 21.1 39.3



#47

Tetrachloroethene

Concen: 0.532 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW009753.D

Acq: 06 Apr 2019 03:25

Tgt Ion: 164 Resp: 2034

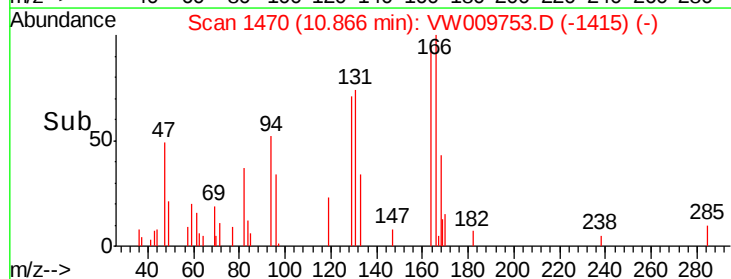
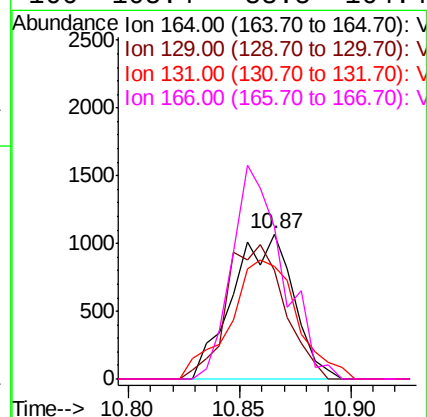
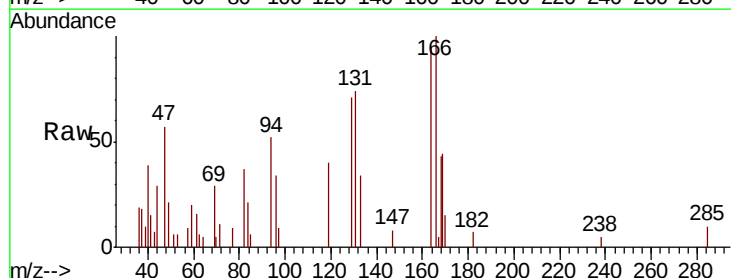
Ion Ratio Lower Upper

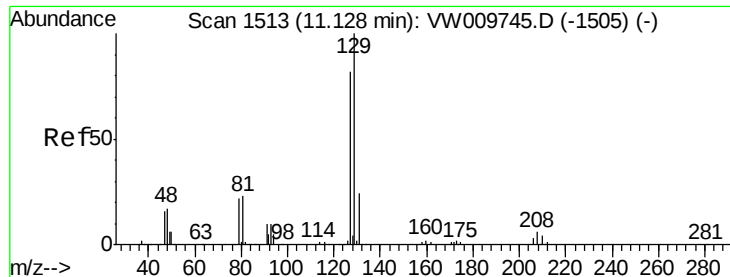
164 100

129 75.2 68.9 127.9

131 78.1 63.1 117.1

166 105.4 88.5 164.4





#50

Dibromochloromethane

Concen: 0.411 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW009753.D

Acq: 06 Apr 2019 03:25

Instrument :

MSVOA_W

ClientSampled :

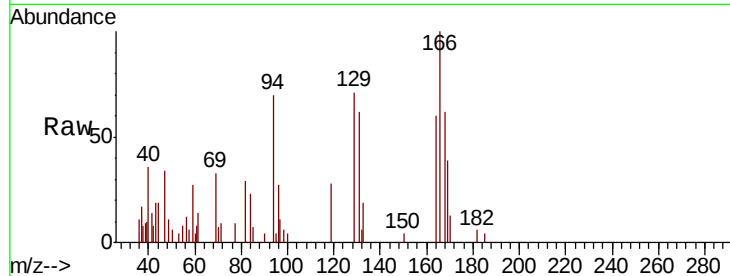
BF661RE

Tgt Ion:129 Resp: 1798

Ion Ratio Lower Upper

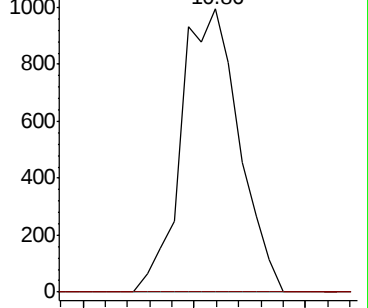
129 100

127 0.0 53.0 98.4#

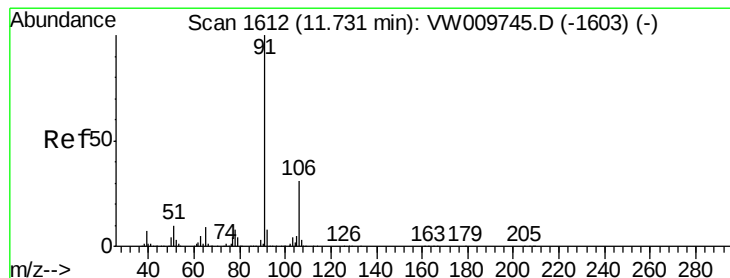
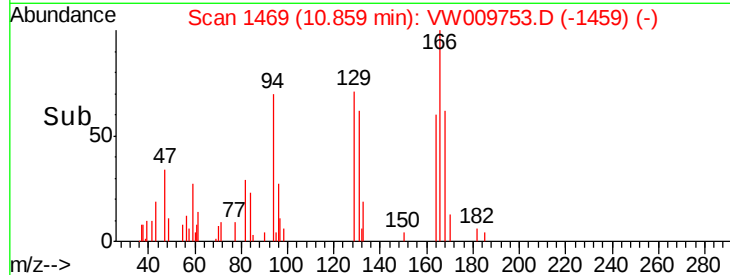


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#53

Ethylbenzene

Concen: 0.517 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009753.D

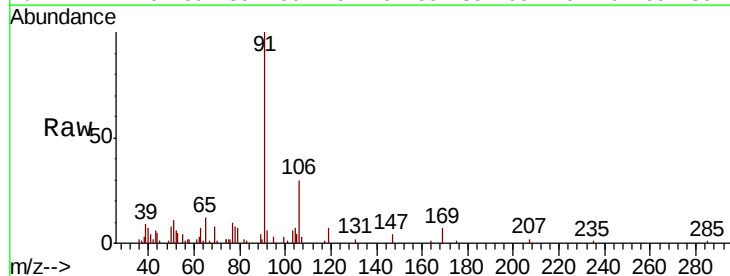
Acq: 06 Apr 2019 03:25

Tgt Ion: 91 Resp: 11561

Ion Ratio Lower Upper

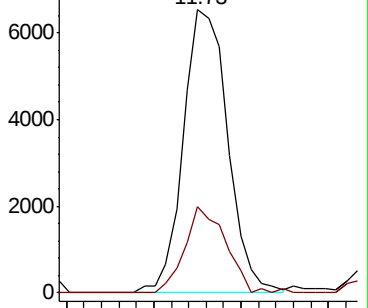
91 100

106 30.4 21.5 39.9

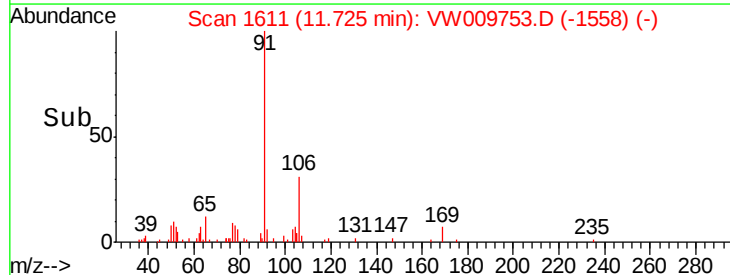


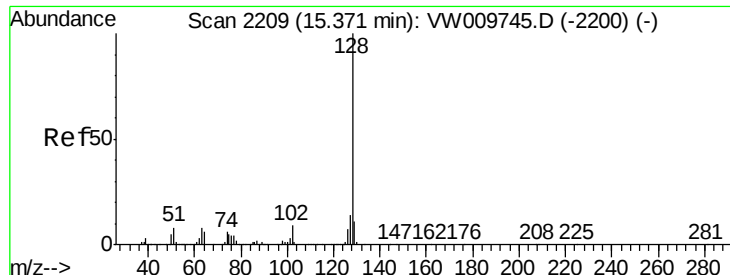
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->





#69

Naphthalene

Concen: 0.249 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009753.D

Acq: 06 Apr 2019 03:25

Instrument :

MSVOA_W

ClientSampleId :

BF661RE

Tgt Ion:128 Resp: 2036

Ion Ratio Lower Upper

128 100

129 10.2 8.5 12.7

127 9.1 10.8 16.2

