

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009754.D
 Acq On : 06 Apr 2019 03:52
 Operator : SY/VA
 Sample : K2188-06
 Misc : 3.22G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF662

Quant Time: Apr 06 05:40:10 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	402674	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	288536	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	73156	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	152765	28.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.96%
7) Chloroethane-d5	2.90	69	140722	29.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.60%
10) 1,1-Dichloroethene-d2	4.01	63	246274	21.73	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.92%
20) 2-Butanone-d5	7.08	46	79868	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
24) Chloroform-d	7.65	84	303978	27.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	8.31	65	179419	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.40%
29) Benzene-d6	8.27	84	584946	38.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	154.48%#
33) 1,2-Dichloropropane-d6	9.27	67	171207	36.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	146.40%#
37) Toluene-d8	10.32	98	458080	32.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	130.84%#
38) trans-1,3-Dichloropropene-	10.57	79	25163	11.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	45.12%
39) 2-Hexanone-d5	10.93	63	49343	55.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82411	18.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	63678	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

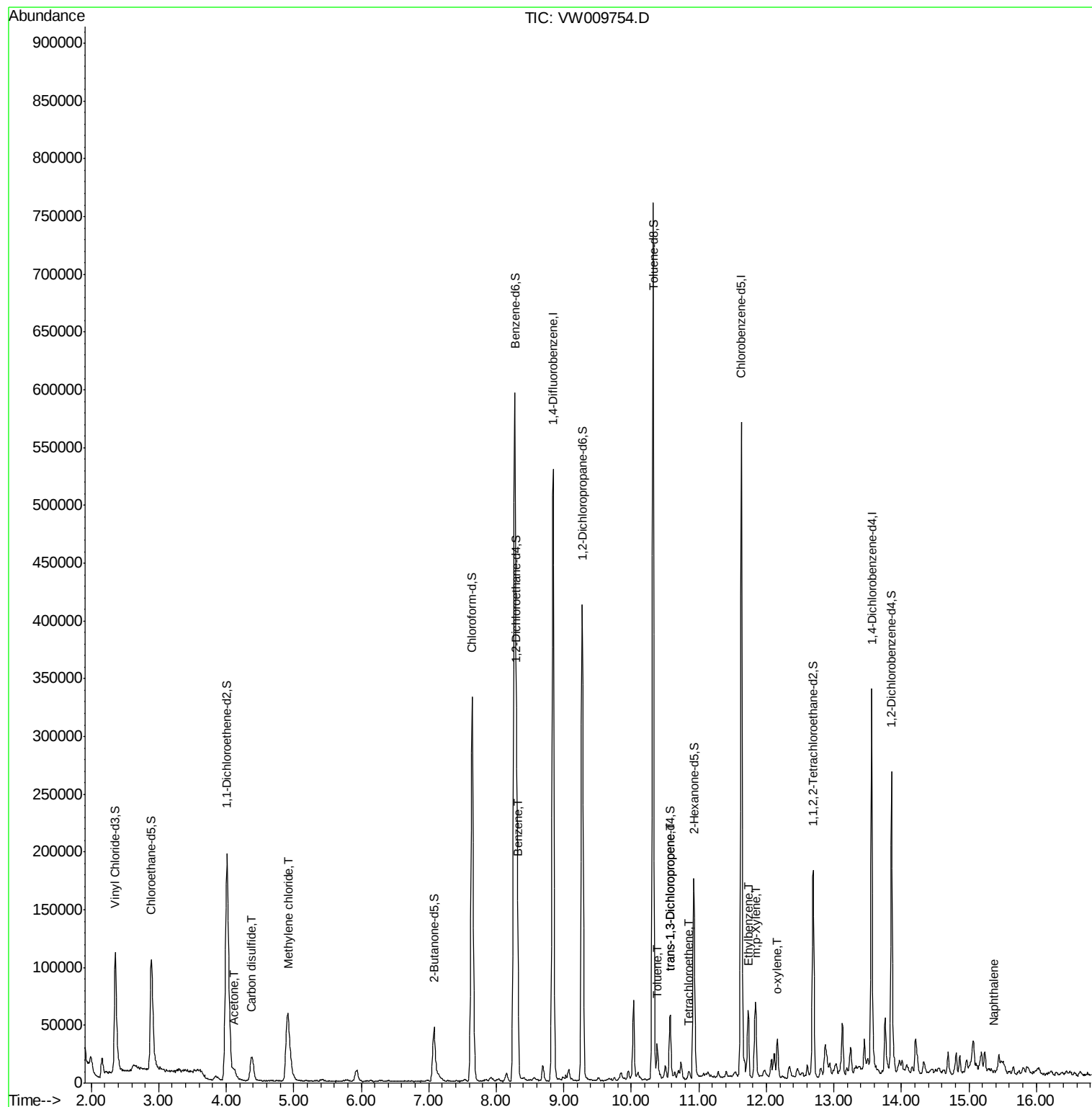
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	9654	5.266	ug/L	78
14) Carbon disulfide	4.37	76	41994	2.526	ug/L	97
16) Methylene chloride	4.92	84	54604	7.689	ug/L	89
34) Benzene	8.32	78	10929	0.630	ug/L	100
44) Toluene	10.38	91	20289	1.103	ug/L	91
45) trans-1,3-Dichloropropene	10.58	75	1585	0.267	ug/L	93
47) Tetrachloroethene	10.86	164	1423	0.398	ug/L #	75
53) Ethylbenzene	11.73	91	35613	1.700	ug/L	94
54) m,p-Xylene	11.83	106	13130	1.695	ug/L	99
55) o-xylene	12.16	106	8413	1.140	ug/L	84
69) Naphthalene	15.37	128	1521	0.281	ug/L #	91

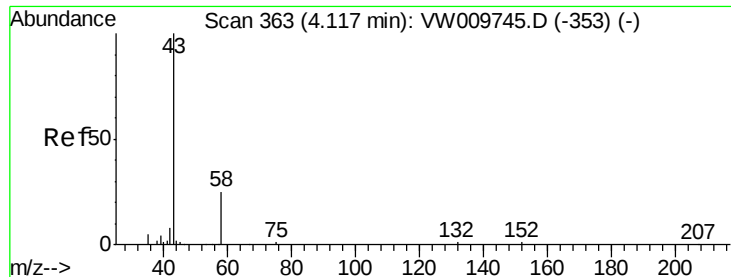
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.266 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009754.D

Acq: 06 Apr 2019 03:52

Instrument :

MSVOA_W

ClientSampled :

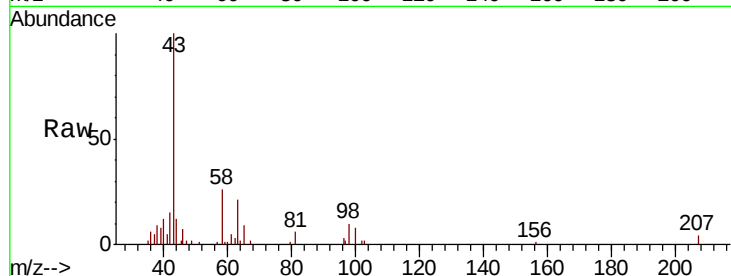
BF662

Tgt Ion: 43 Resp: 9654

Ion Ratio Lower Upper

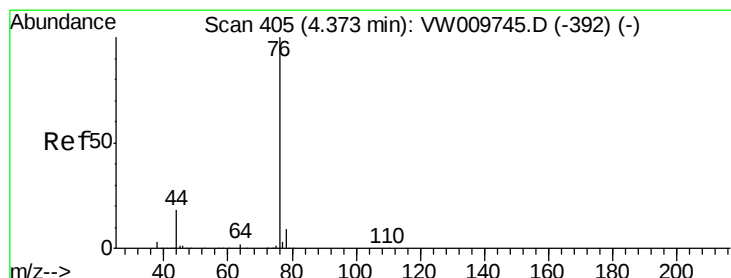
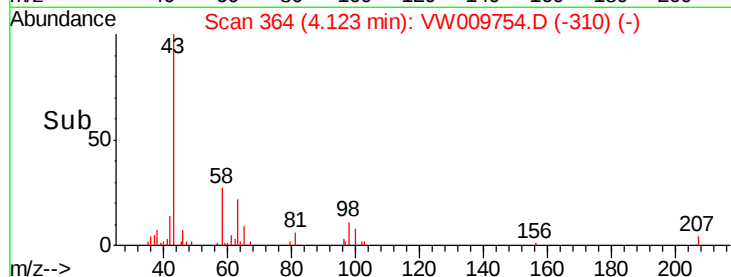
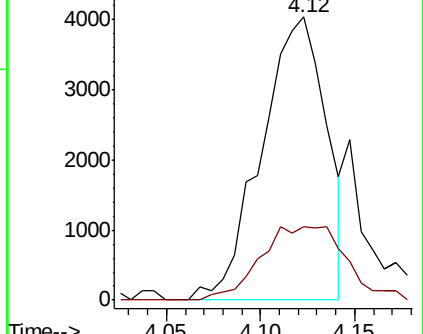
43 100

58 15.1 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: 2.526 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009754.D

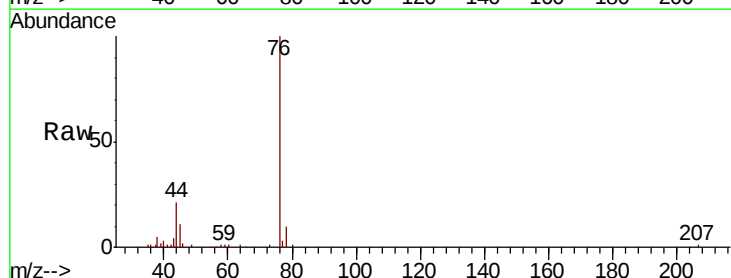
Acq: 06 Apr 2019 03:52

Tgt Ion: 76 Resp: 41994

Ion Ratio Lower Upper

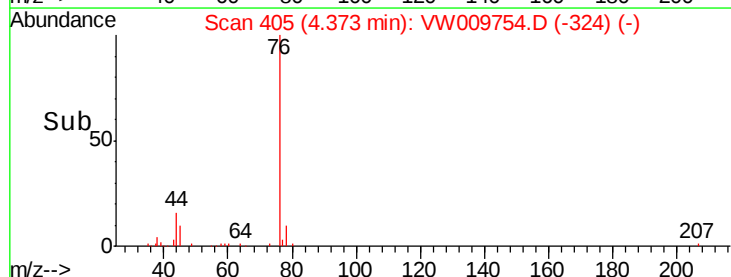
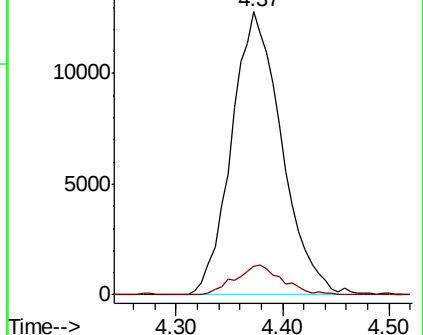
76 100

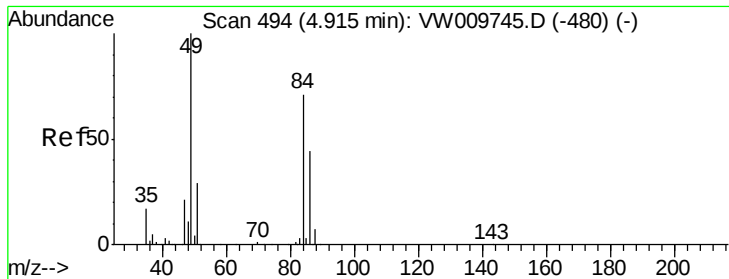
78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

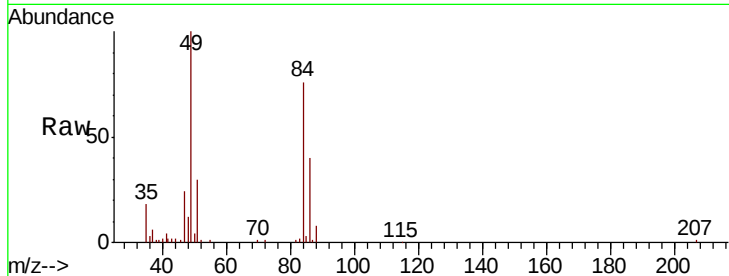




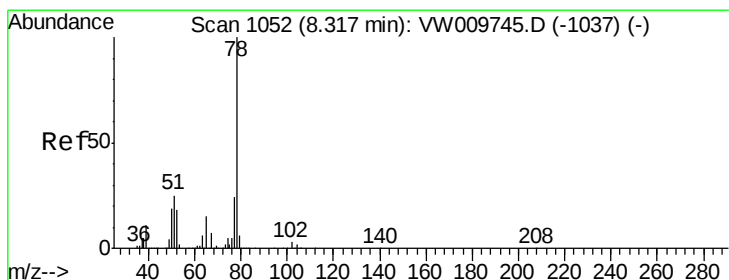
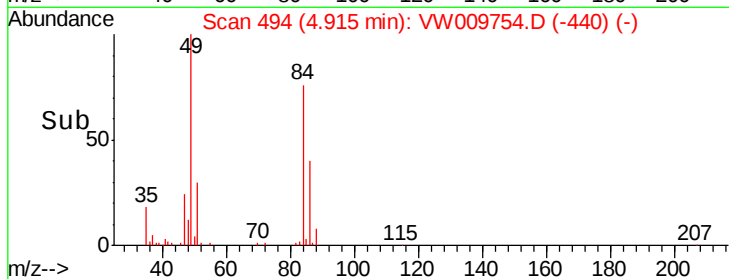
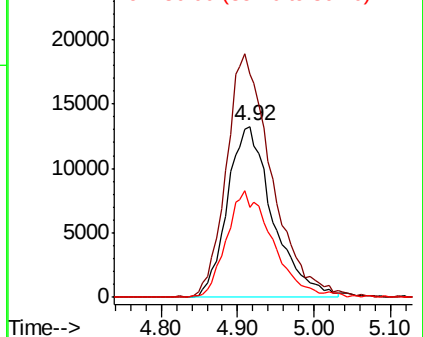
#16
Methylene chloride
Concen: 7.689 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009754.D
Acq: 06 Apr 2019 03:52

Instrument :
MSVOA_W
ClientSampled :
BF662

Tgt Ion: 84 Resp: 54604
Ion Ratio Lower Upper
84 100
49 130.8 98.3 182.5
86 52.8 46.4 86.2

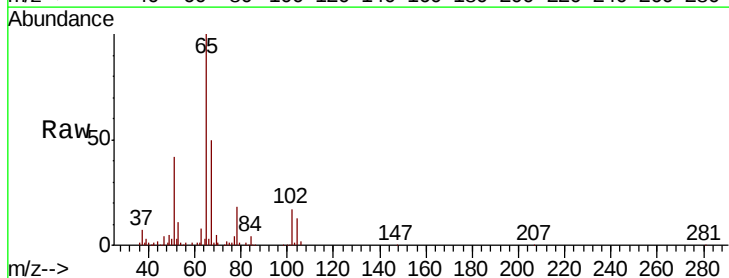


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

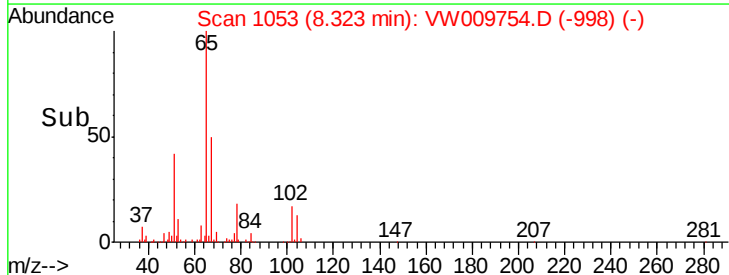
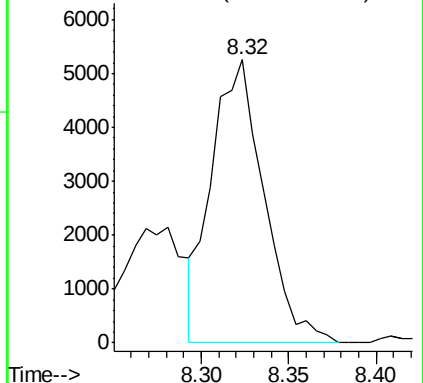


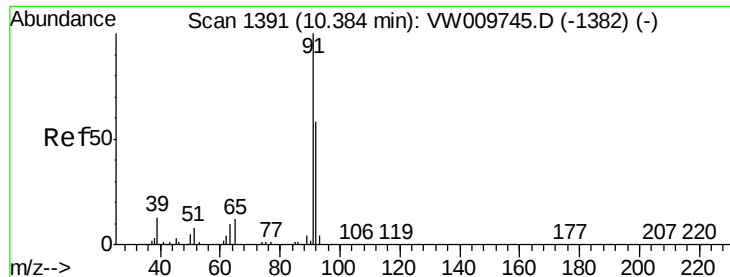
#34
Benzene
Concen: 0.630 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009754.D
Acq: 06 Apr 2019 03:52

Tgt Ion: 78 Resp: 10929



Abundance Ion 78.00 (77.70 to 78.70): VW





#44

Toluene

Concen: 1.103 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009754.D

Acq: 06 Apr 2019 03:52

Instrument :

MSVOA_W

ClientSampled :

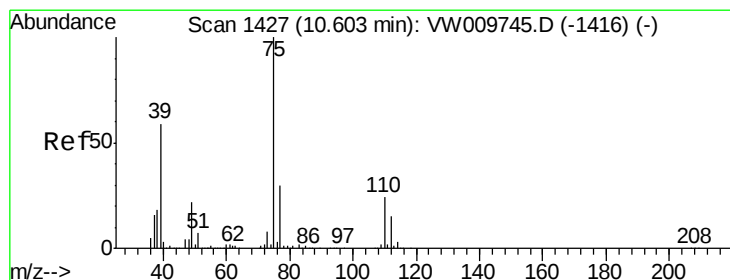
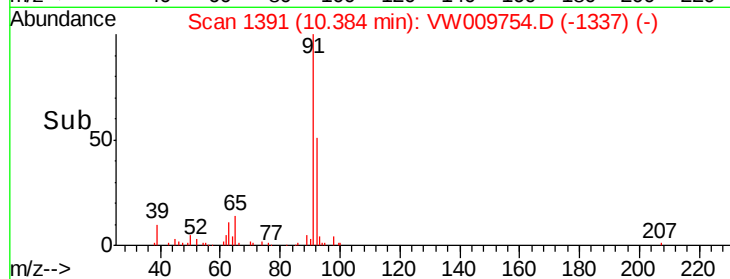
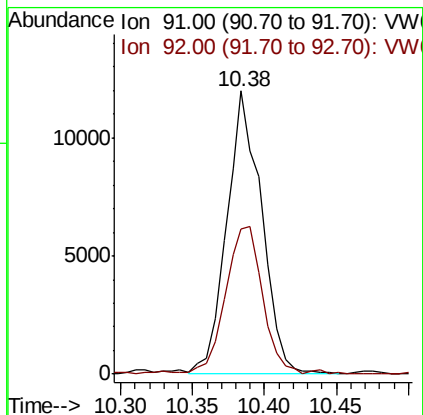
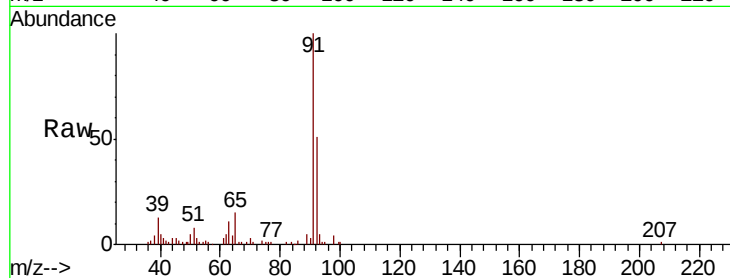
BF662

Tgt Ion: 91 Resp: 20289

Ion Ratio Lower Upper

91 100

92 51.4 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 0.267 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009754.D

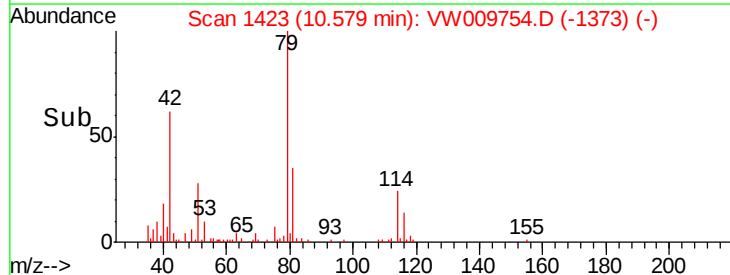
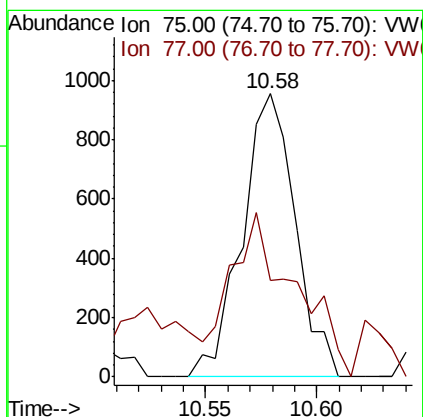
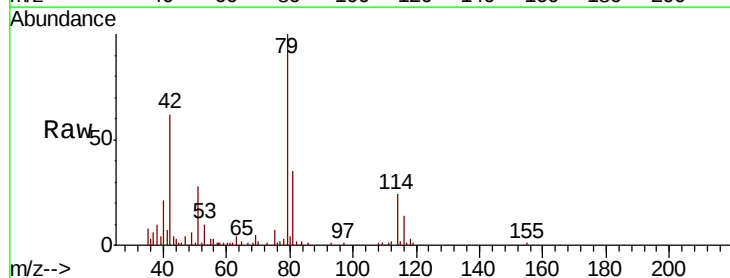
Acq: 06 Apr 2019 03:52

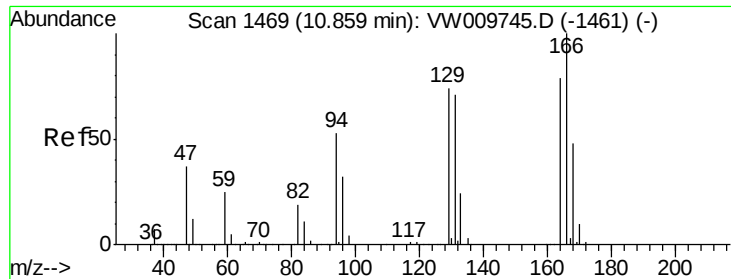
Tgt Ion: 75 Resp: 1585

Ion Ratio Lower Upper

75 100

77 34.1 21.1 39.3





#47

Tetrachloroethene

Concen: 0.398 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009754.D

Acq: 06 Apr 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

BF662

Tgt Ion:164 Resp: 1423

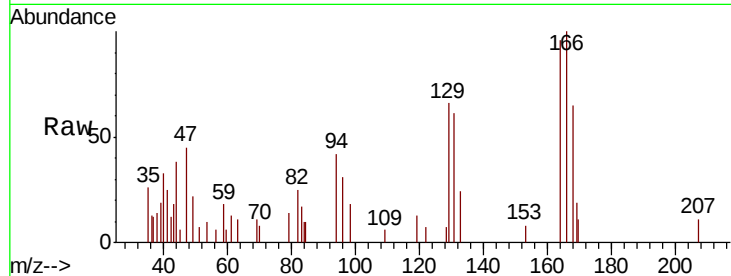
Ion Ratio Lower Upper

164 100

129 68.7 68.9 127.9#

131 63.8 63.1 117.1

166 103.9 88.5 164.4

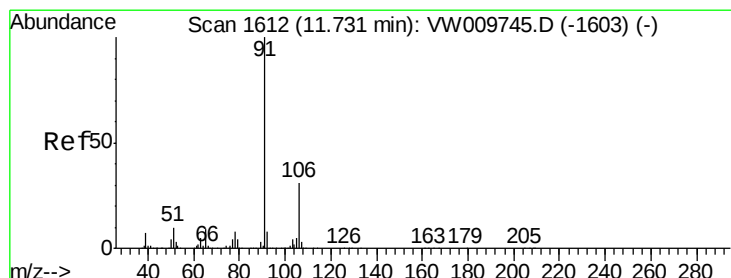
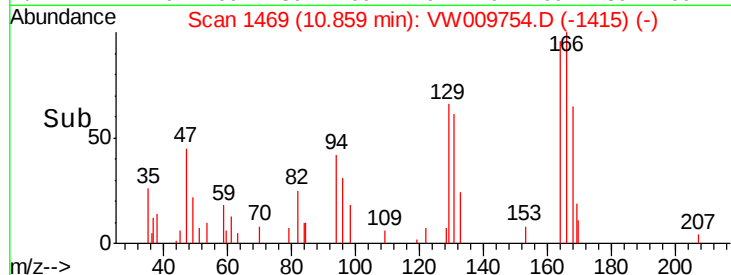
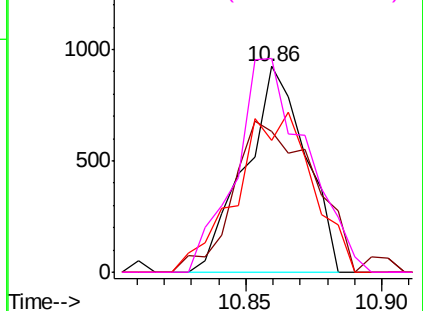


Abundance Ion 164.00 (163.70 to 164.70): V

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



#53

Ethylbenzene

Concen: 1.700 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009754.D

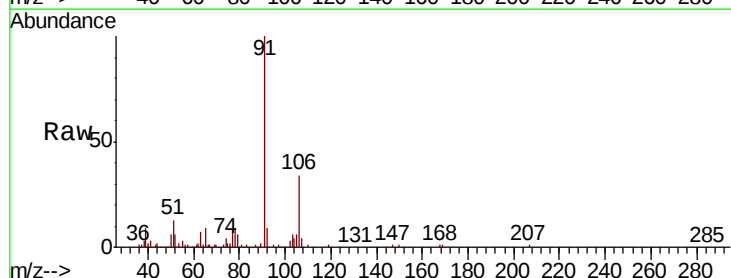
Acq: 06 Apr 2019 03:52

Tgt Ion: 91 Resp: 35613

Ion Ratio Lower Upper

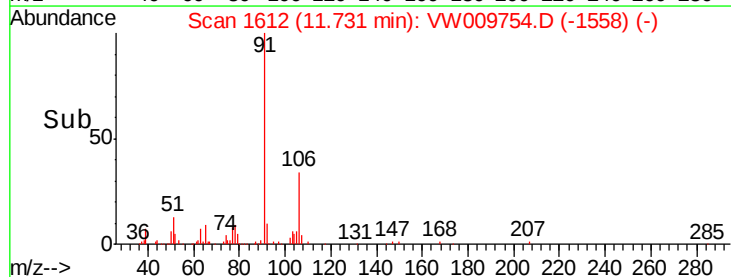
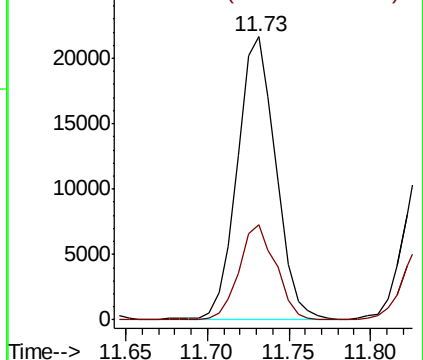
91 100

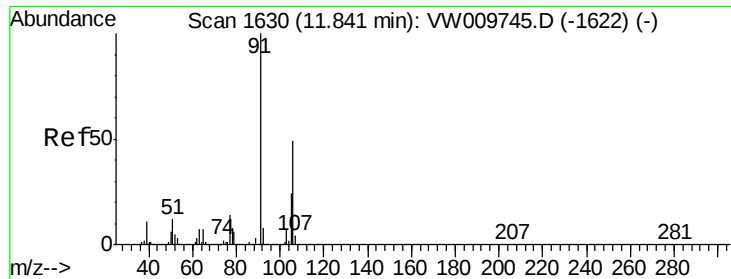
106 33.8 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.695 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

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Acq: 06 Apr 2019 03:52

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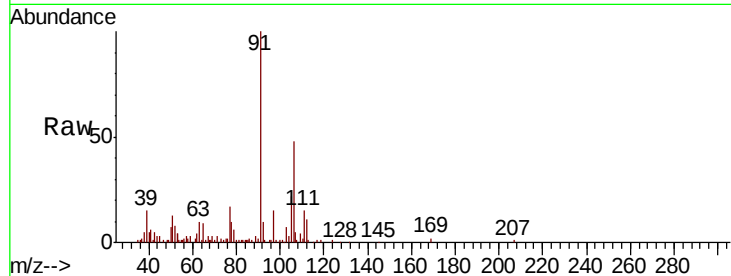
BF662

Tgt Ion:106 Resp: 13130

Ion Ratio Lower Upper

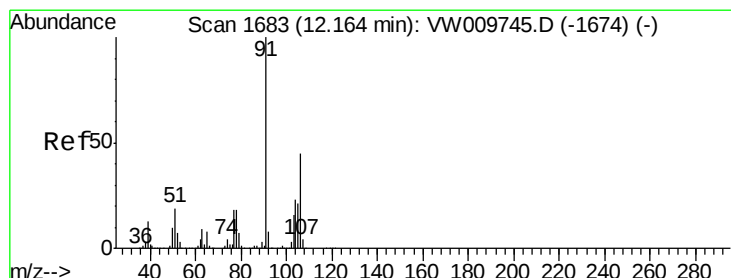
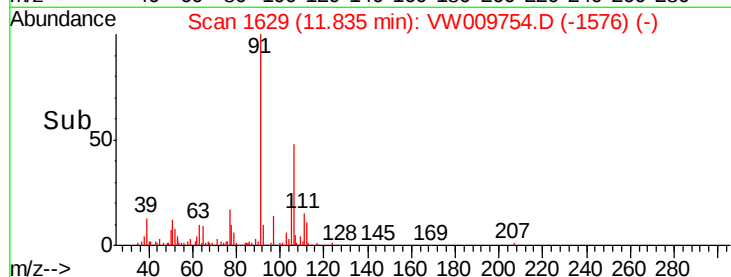
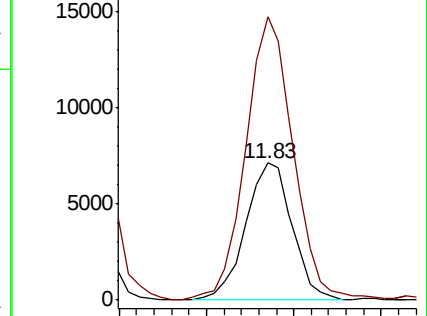
106 100

91 206.7 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.140 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009754.D

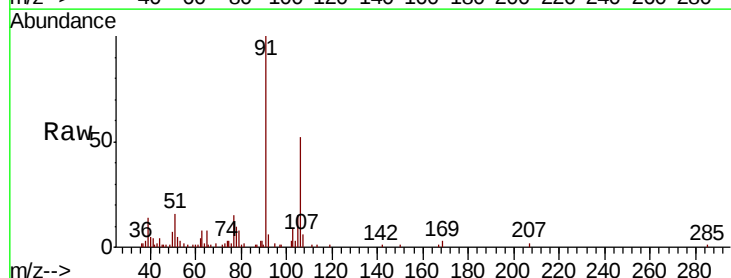
Acq: 06 Apr 2019 03:52

Tgt Ion:106 Resp: 8413

Ion Ratio Lower Upper

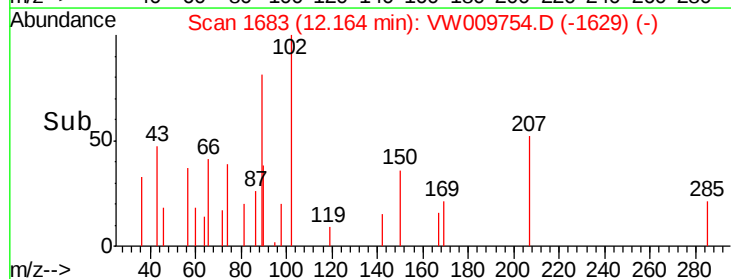
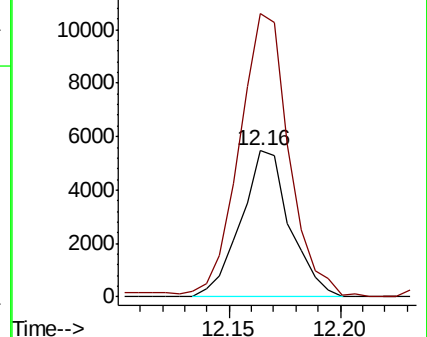
106 100

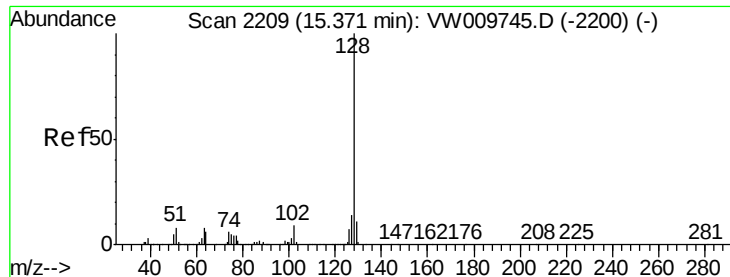
91 193.7 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 0.281 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009754.D

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Tgt Ion:128 Resp: 1521

Ion Ratio Lower Upper

128 100

129 5.4 8.5 12.7#

127 15.8 10.8 16.2

