

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
 Data File : VW004946.D
 Acq On : 24 Aug 2018 20:11
 Operator : SY/AP
 Sample : J4650-03MSD
 Misc : 3.34G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAB80MSD

Quant Time: Aug 25 01:35:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 01:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	660329	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	680333	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	247374	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	280591	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.92%
7) Chloroethane-d5	2.89	69	221157	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.03	63	359514	22.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.24%
20) 2-Butanone-d5	7.09	46	144956	57.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.14%
24) Chloroform-d	7.65	84	343247	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.31	65	212296	26.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.60%
29) Benzene-d6	8.28	84	844154	24.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.48%
33) 1,2-Dichloropropane-d6	9.28	67	258804	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
37) Toluene-d8	10.33	98	895467	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.60%
38) trans-1,3-Dichloropropene-	10.59	79	108688	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.28%
39) 2-Hexanone-d5	10.93	63	155146	60.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.80%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	265018	25.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	246707	24.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.32%

Target Compounds

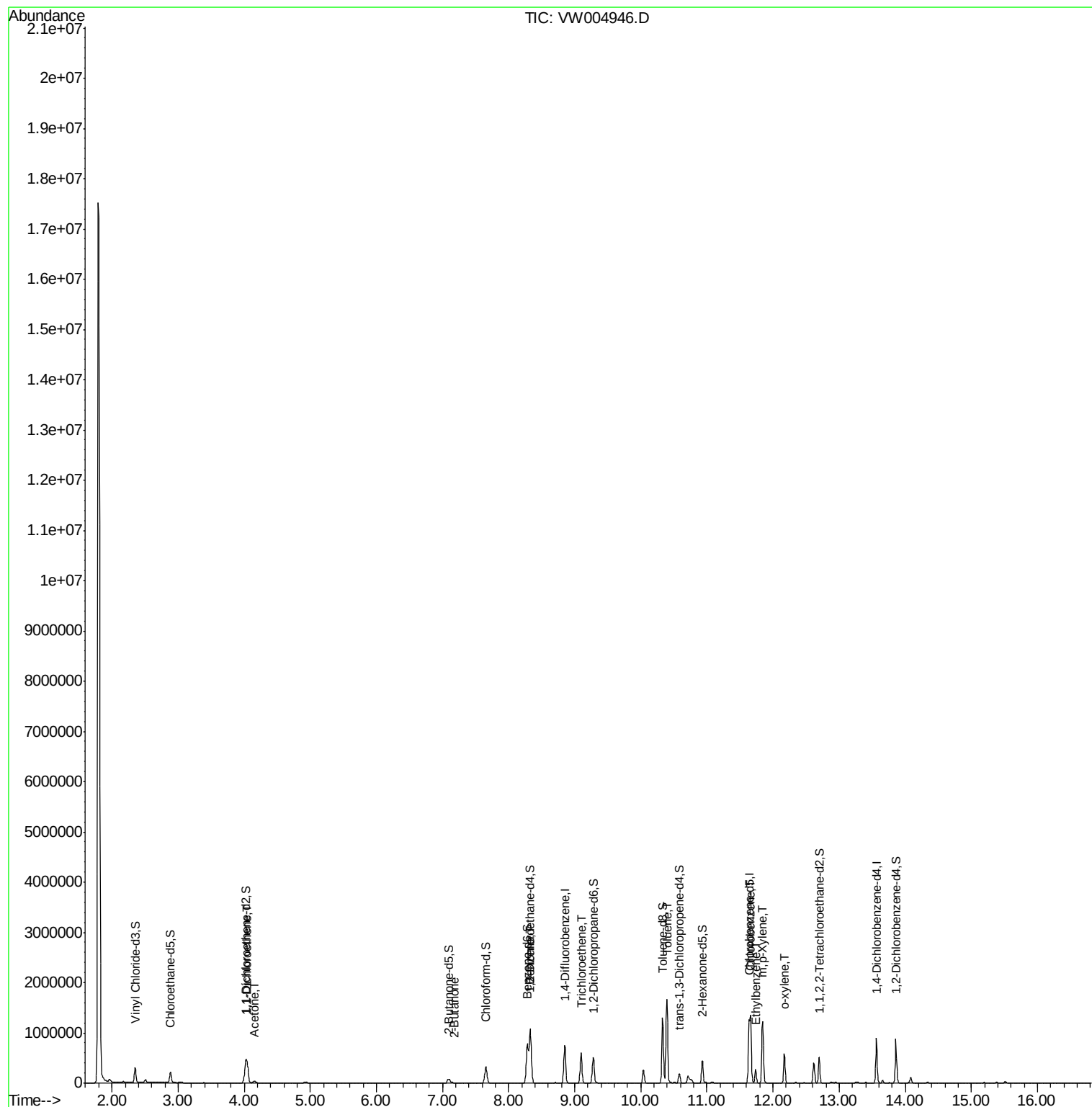
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	183746	23.901	ug/L	96
13) Acetone	4.15	43	61005	31.006	ug/L	97
21) 2-Butanone	7.18	43	10518	3.472	ug/L	83
34) Benzene	8.33	78	978270	25.219	ug/L	100
35) Trichloroethene	9.10	95	218782	22.682	ug/L	99
44) Toluene	10.40	91	1287072	27.628	ug/L	99
52) Chlorobenzene	11.66	112	715079	23.107	ug/L	99
53) Ethylbenzene	11.74	91	187730	3.581	ug/L	98
54) m,p-Xylene	11.84	106	389574	19.157	ug/L	99
55) o-xylene	12.17	106	159892	8.415	ug/L	99

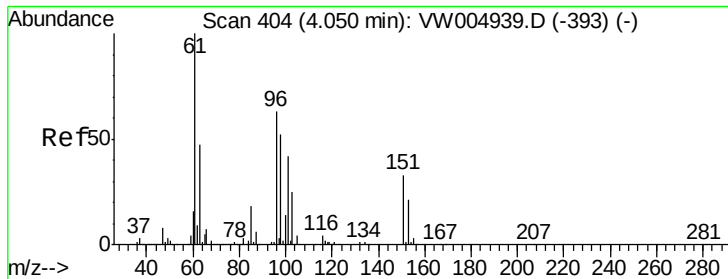
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 25 01:34:01 2018
Response via : Initial Calibration

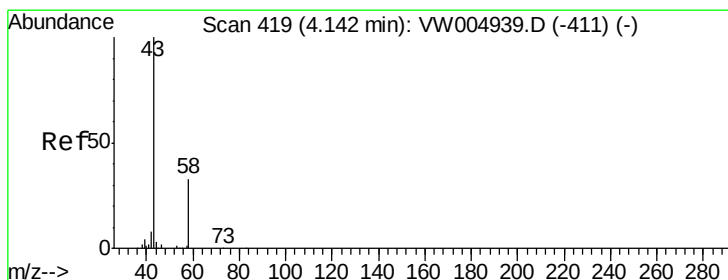
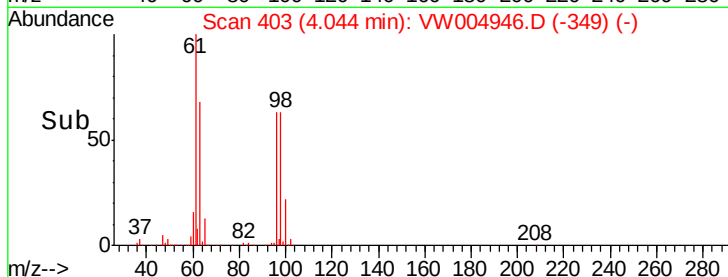
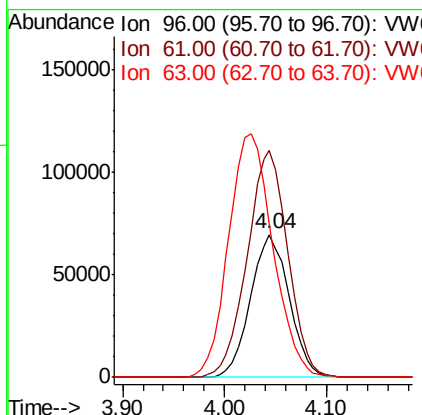
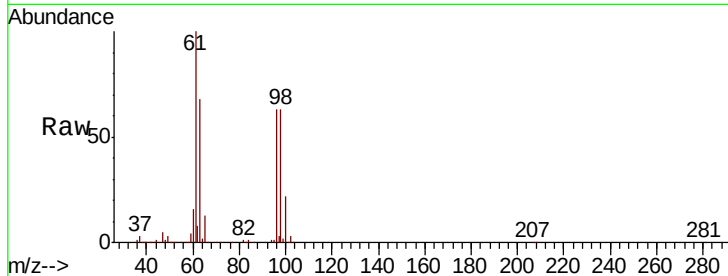




#12
 1,1-Dichloroethene
 Concen: 23.901 ug/L
 RT: 4.04 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VW004946.D
 Acq: 24 Aug 2018 20:11

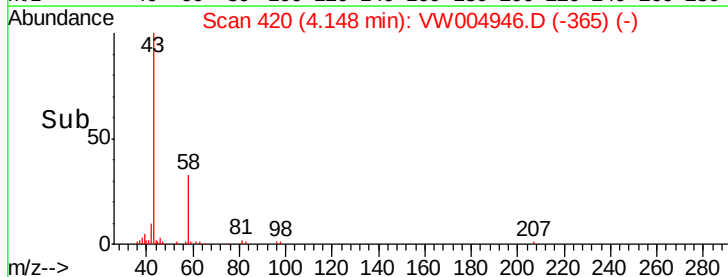
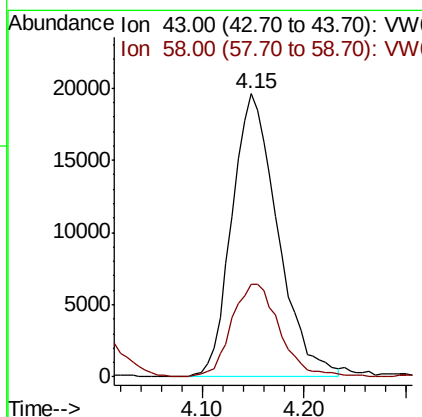
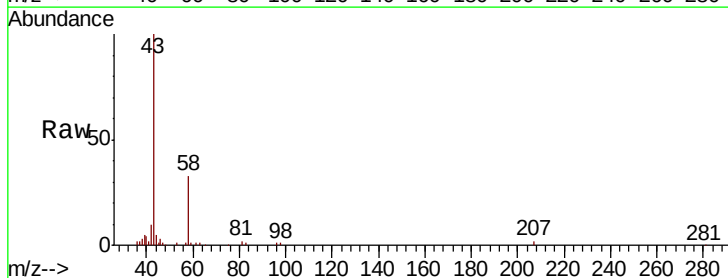
Instrument :
 MSVOA_W
 ClientSampleId :
 GAB80MSD

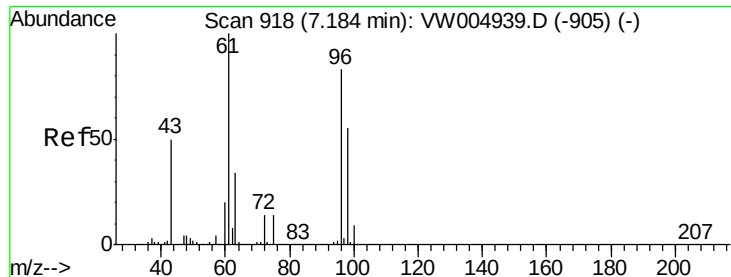
Tgt Ion: 96 Resp: 183746
 Ion Ratio Lower Upper
 96 100
 61 158.8 107.0 198.8
 63 107.2 76.9 142.7



#13
 Acetone
 Concen: 31.006 ug/L
 RT: 4.15 min Scan# 420
 Delta R.T. 0.01 min
 Lab File: VW004946.D
 Acq: 24 Aug 2018 20:11

Tgt Ion: 43 Resp: 61005
 Ion Ratio Lower Upper
 43 100
 58 33.2 0.0 69.4





#21

2-Butanone

Concen: 3.472 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004946.D

Acq: 24 Aug 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

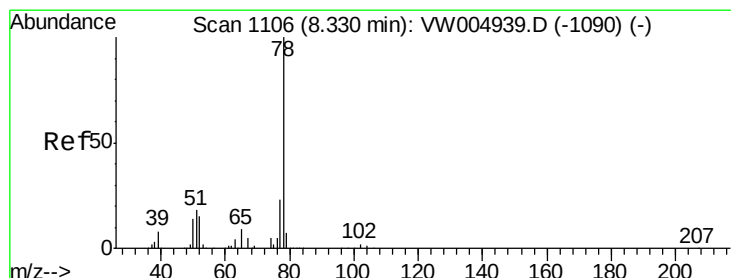
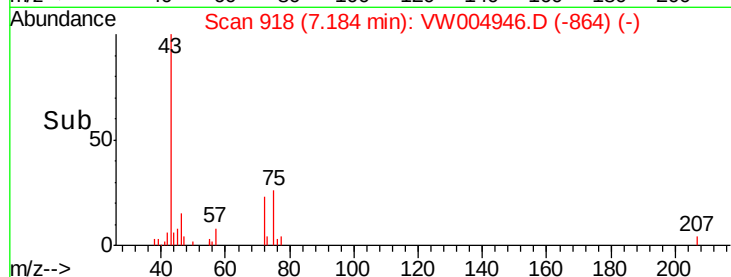
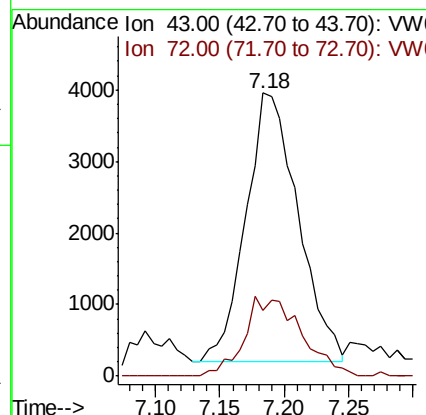
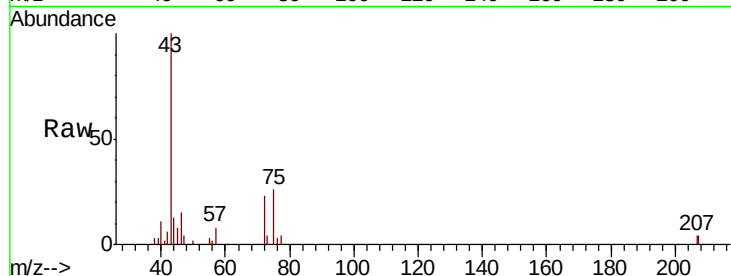
GAB80MSD

Tgt Ion: 43 Resp: 10518

Ion Ratio Lower Upper

43 100

72 19.5 14.2 42.8



#34

Benzene

Concen: 25.219 ug/L

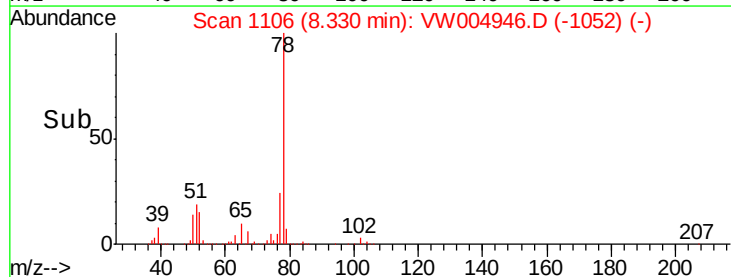
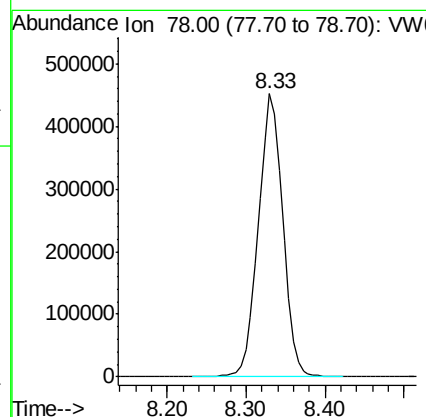
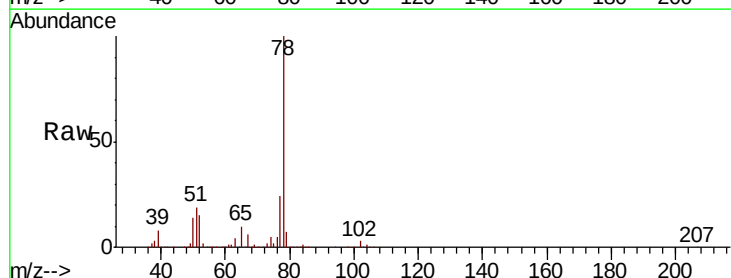
RT: 8.33 min Scan# 1106

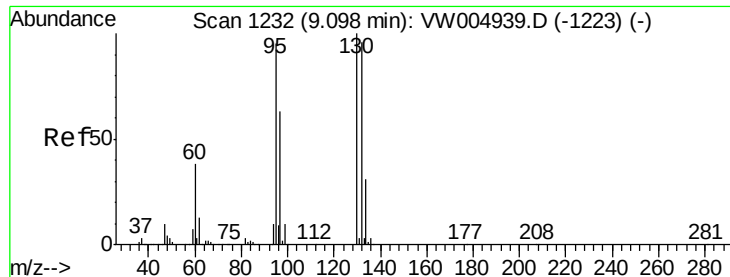
Delta R.T. 0.00 min

Lab File: VW004946.D

Acq: 24 Aug 2018 20:11

Tgt Ion: 78 Resp: 978270





#35

Trichloroethene

Concen: 22.682 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004946.D

Acq: 24 Aug 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

GAB80MSD

Tgt Ion: 95 Resp: 218782

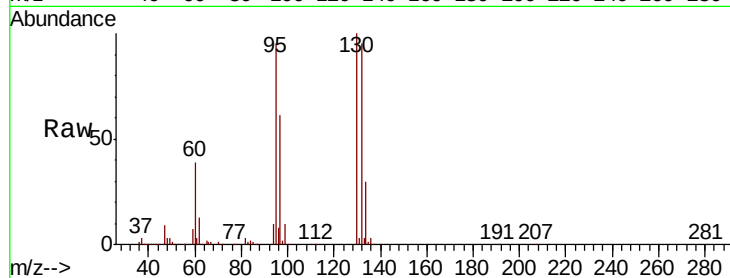
Ion Ratio Lower Upper

95 100

97 64.8 45.9 85.3

132 100.0 69.2 128.4

130 104.7 72.7 135.1

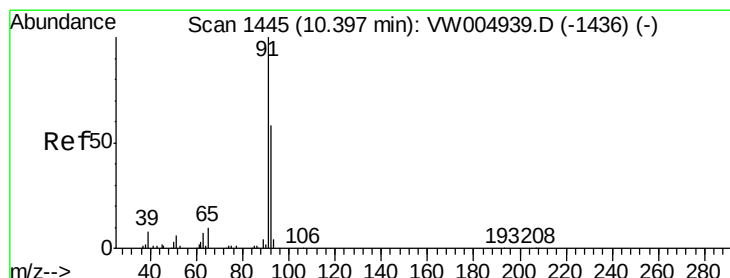
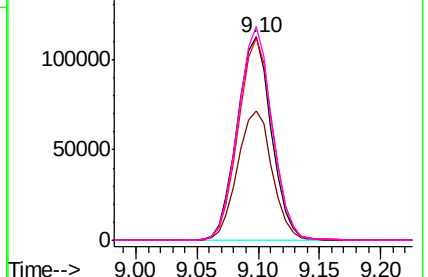
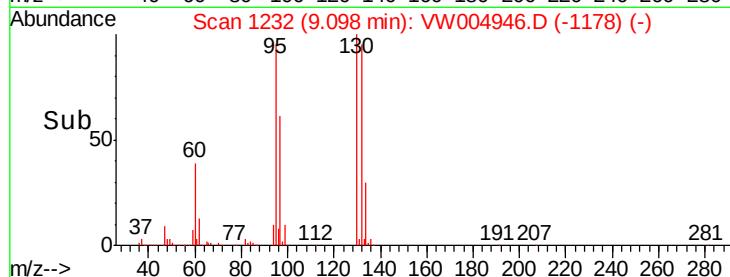


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 27.628 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004946.D

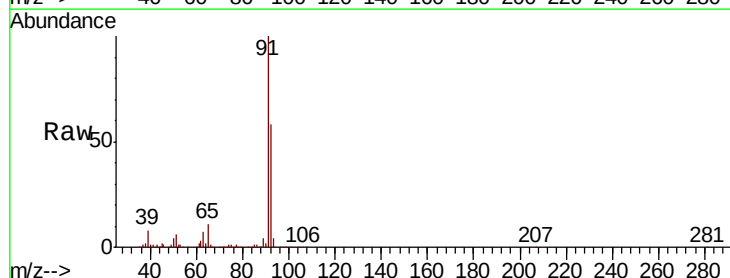
Acq: 24 Aug 2018 20:11

Tgt Ion: 91 Resp: 1287072

Ion Ratio Lower Upper

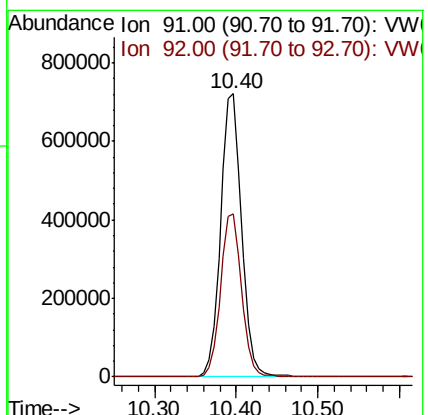
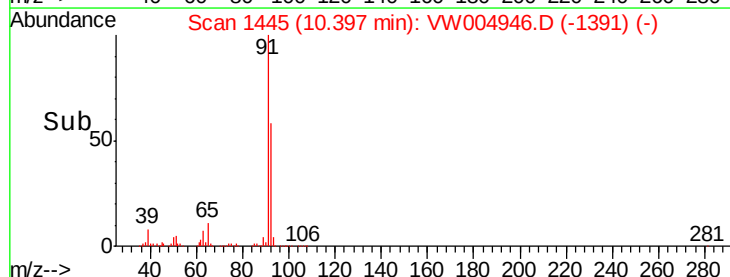
91 100

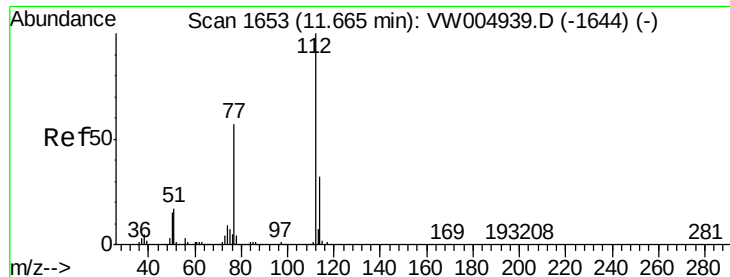
92 57.6 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 23.107 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004946.D

Acq: 24 Aug 2018 20:11

Instrument :

MSVOA_W

ClientSampled :

GAB80MSD

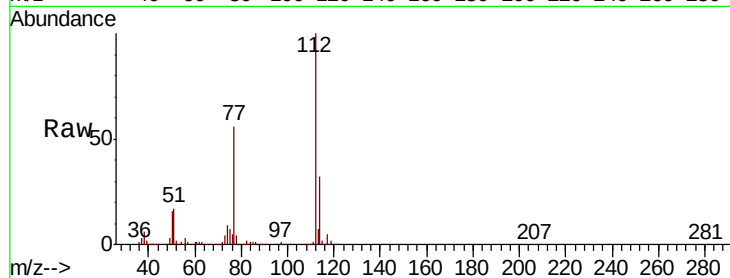
Tgt Ion: 112 Resp: 715079

Ion Ratio Lower Upper

112 100

77 55.8 45.8 68.8

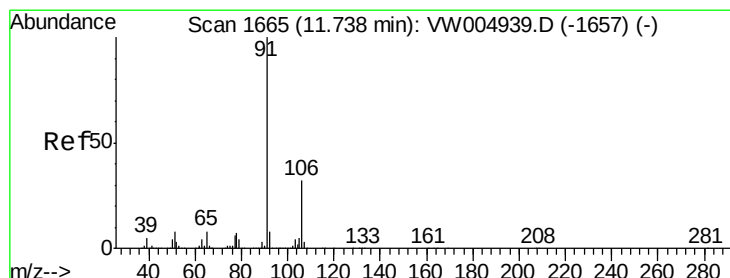
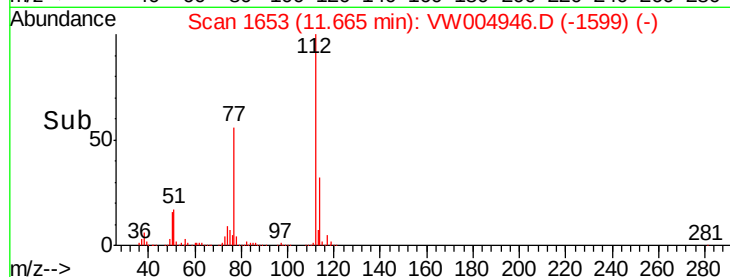
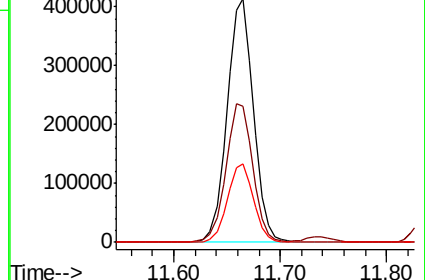
114 32.3 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 3.581 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004946.D

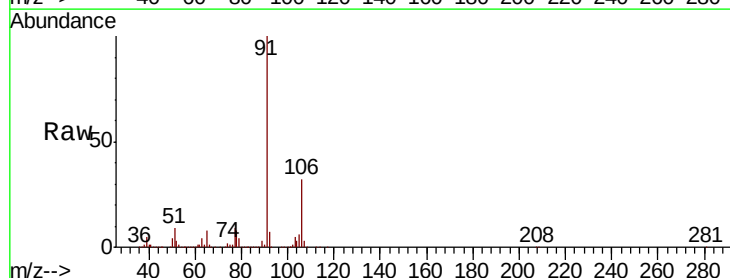
Acq: 24 Aug 2018 20:11

Tgt Ion: 91 Resp: 187730

Ion Ratio Lower Upper

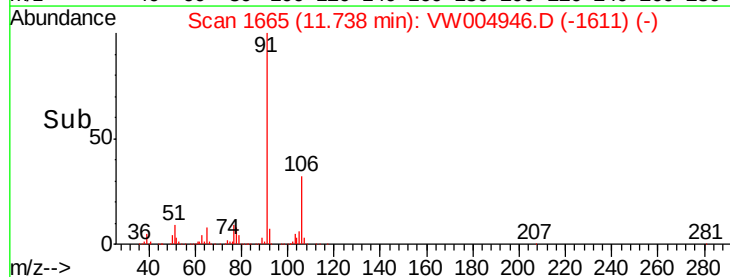
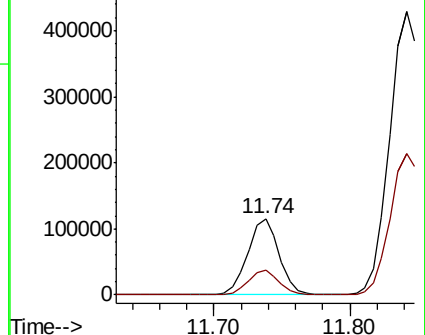
91 100

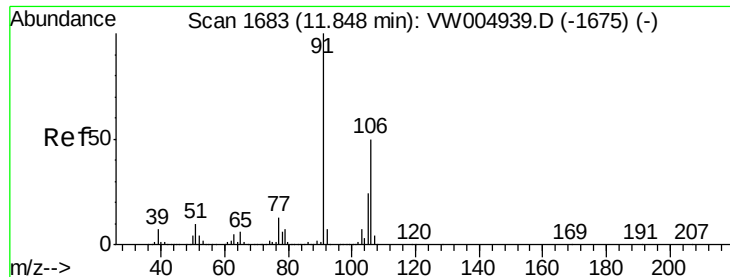
106 31.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 19.157 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004946.D

Acq: 24 Aug 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

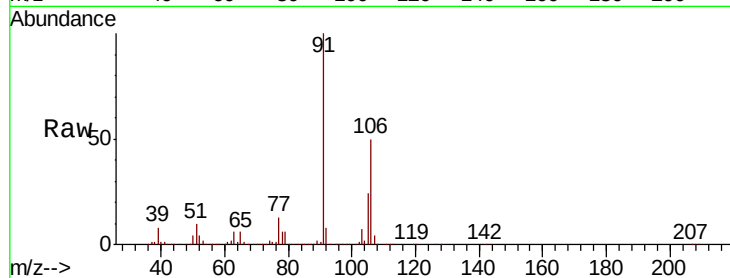
GAB80MSD

Tgt Ion:106 Resp: 389574

Ion Ratio Lower Upper

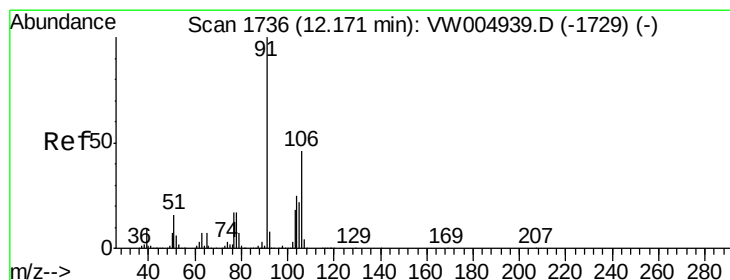
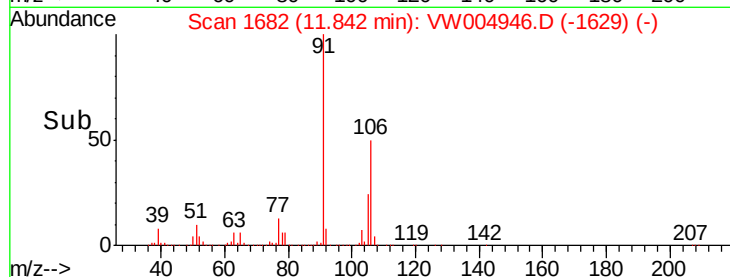
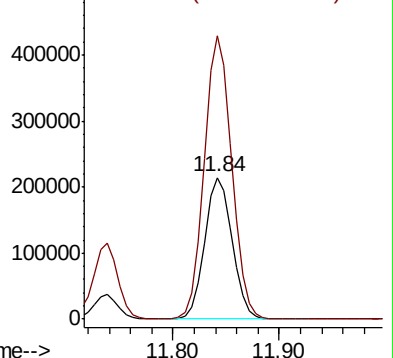
106 100

91 199.7 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 8.415 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004946.D

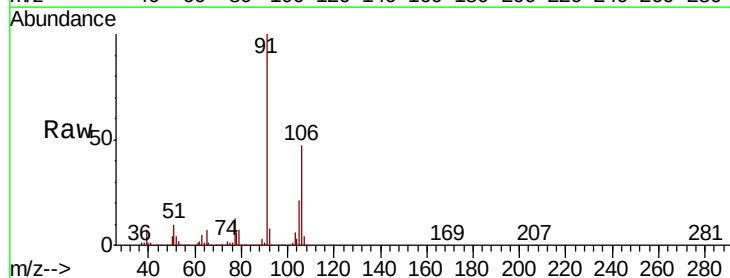
Acq: 24 Aug 2018 20:11

Tgt Ion:106 Resp: 159892

Ion Ratio Lower Upper

106 100

91 211.9 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

