

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
 Data File : VW004960.D
 Acq On : 25 Aug 2018 02:05
 Operator : SY/AP
 Sample : J4649-04
 Misc : 5.21G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAB89

Quant Time: Aug 25 04:53:47 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	589929	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	647539	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	254798	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	261797	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	2.89	69	207496	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.40%
10) 1,1-Dichloroethene-d2	4.19	63	117	0.01	ug/L	0.16
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.09	46	139589	61.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.02%
24) Chloroform-d	7.65	84	314716	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	8.31	65	201399	28.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.20%
29) Benzene-d6	8.28	84	742137	22.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.12%
33) 1,2-Dichloropropane-d6	9.28	67	228534	23.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.40%
37) Toluene-d8	10.33	98	818923	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.84%
38) trans-1,3-Dichloropropene-	10.59	79	96093	22.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.28%
39) 2-Hexanone-d5	10.93	63	160173	66.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.12%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	255761	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	241031	23.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.20%

Target Compounds

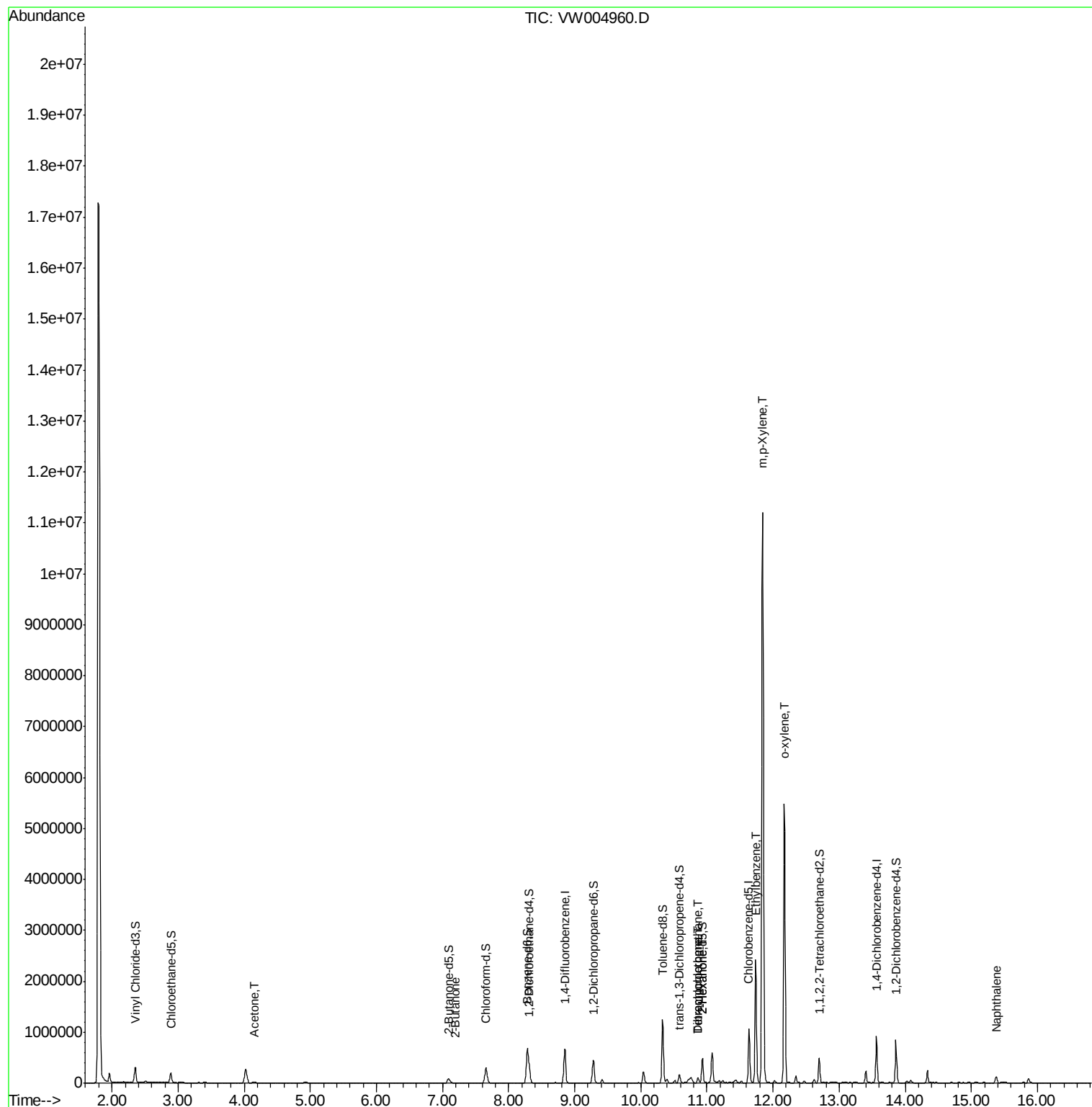
					Qvalue
13) Acetone	4.15	43	38506	21.906	ug/L 99
21) 2-Butanone	7.20	43	6134	2.266	ug/L 91
47) Tetrachloroethene	10.87	164	23219	2.583	ug/L 93
49) 2-Hexanone	10.93	43	25144	4.853	ug/L # 58
50) Dibromochloromethane	10.87	129	22360	2.841	ug/L # 11
53) Ethylbenzene	11.74	91	1713175	34.337	ug/L 99
54) m,p-Xylene	11.84	106	3601332	186.058	ug/L 96
55) o-xylene	12.17	106	1494502	82.638	ug/L 98
69) Naphthalene	15.38	128	110709	4.802	ug/L 99

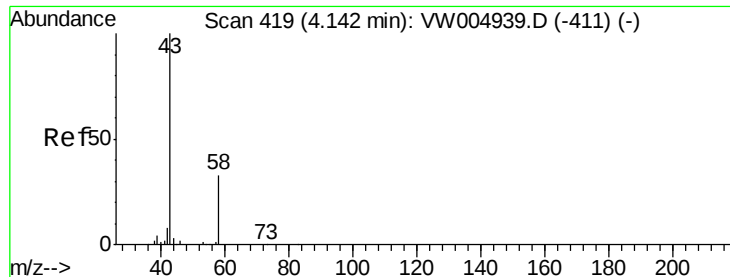
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 25 01:34:01 2018
Response via : Initial Calibration





#13

Acetone

Concen: 21.906 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004960.D

Acq: 25 Aug 2018 02:05

Instrument :

MSVOA_W

ClientSampled :

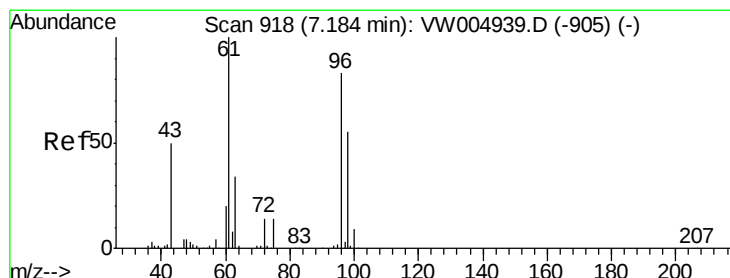
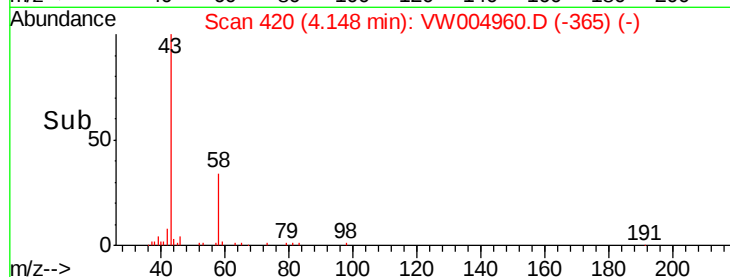
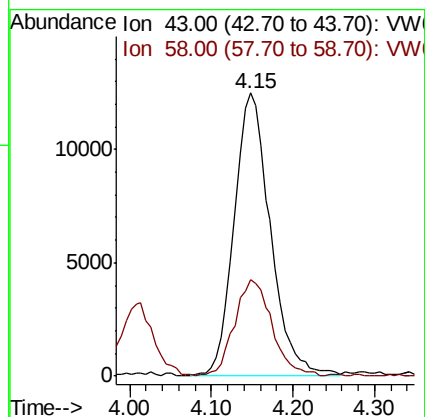
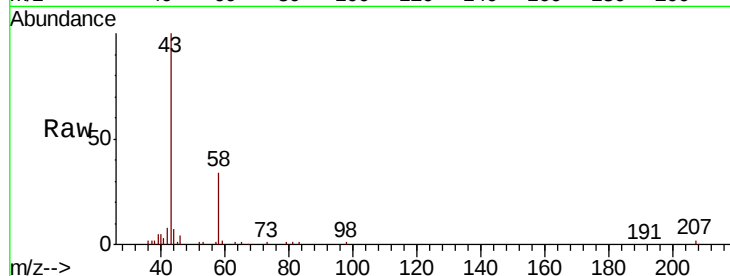
GAB89

Tgt Ion: 43 Resp: 38506

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.4



#21

2-Butanone

Concen: 2.266 ug/L

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW004960.D

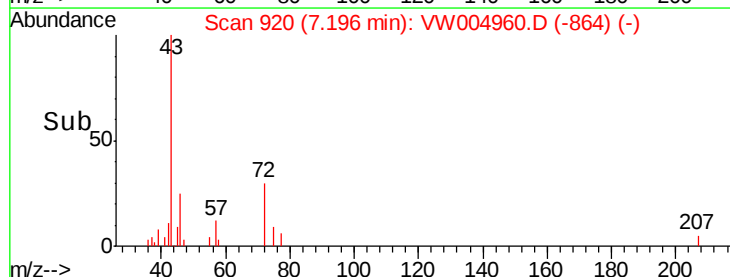
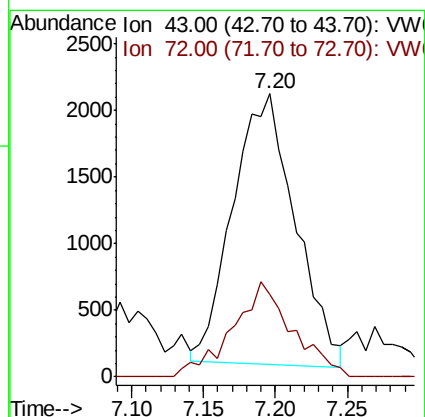
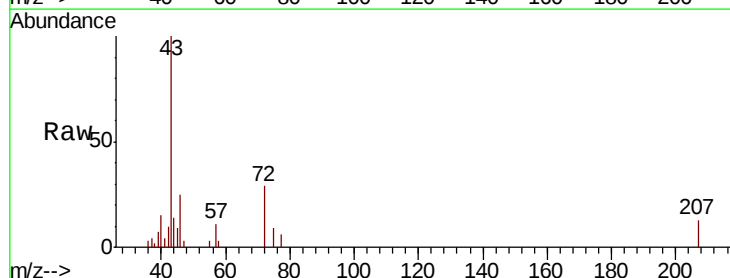
Acq: 25 Aug 2018 02:05

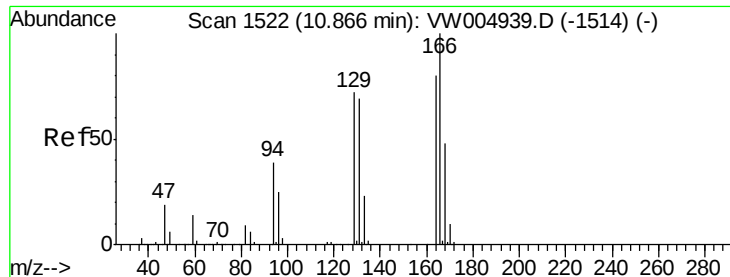
Tgt Ion: 43 Resp: 6134

Ion Ratio Lower Upper

43 100

72 33.4 14.2 42.8





#47

Tetrachloroethene

Concen: 2.583 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004960.D

Acq: 25 Aug 2018 02:05

Instrument :

MSVOA_W

ClientSampleId :

GAB89

Tgt Ion:164 Resp: 23219

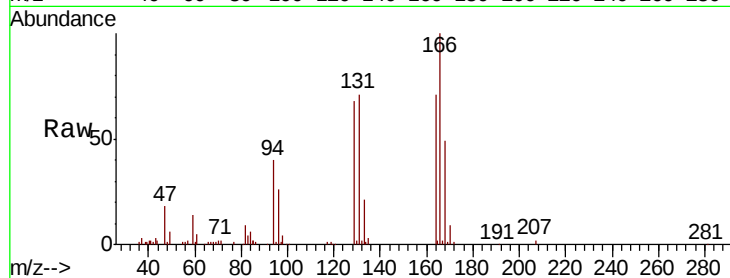
Ion Ratio Lower Upper

164 100

129 94.8 66.8 124.0

131 98.7 64.0 119.0

166 139.9 89.8 166.8

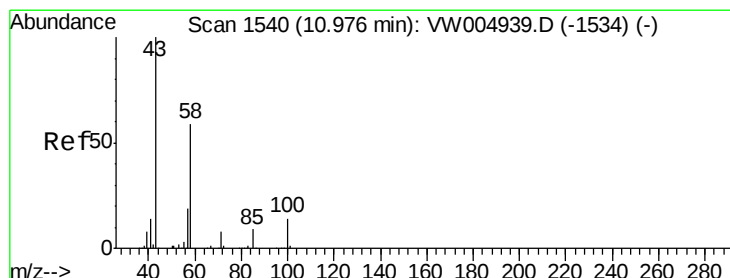
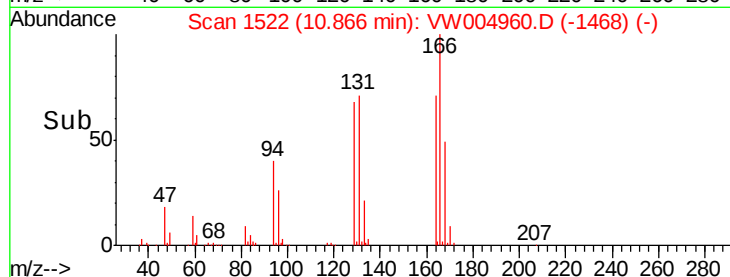
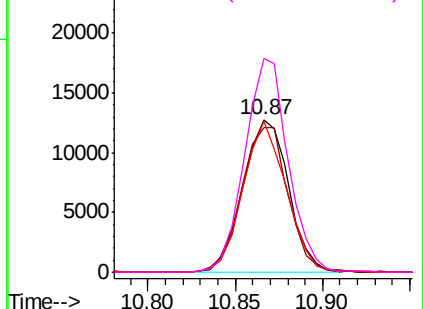


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 4.853 ug/L

RT: 10.93 min Scan# 1533

Delta R.T. -0.04 min

Lab File: VW004960.D

Acq: 25 Aug 2018 02:05

Tgt Ion: 43 Resp: 25144

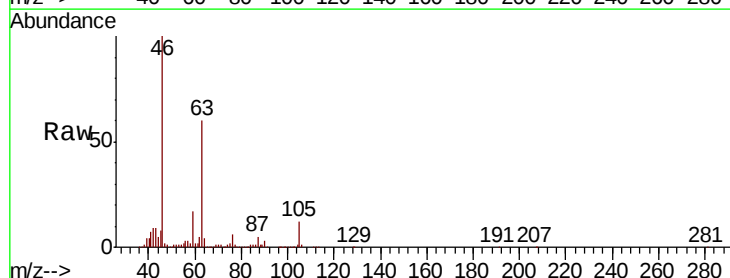
Ion Ratio Lower Upper

43 100

58 25.7 44.6 67.0#

57 43.6 15.4 23.2#

100 1.7 9.6 14.4#

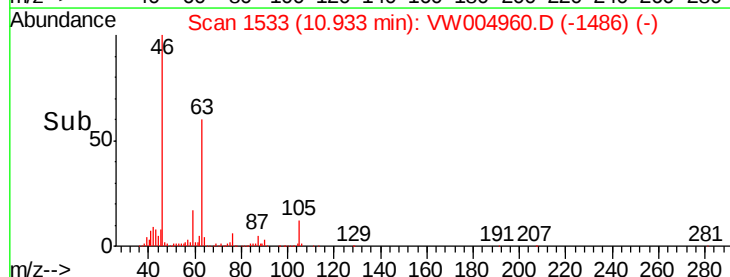
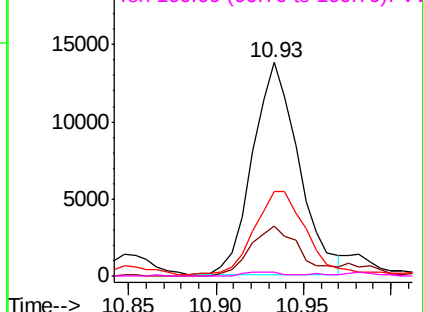


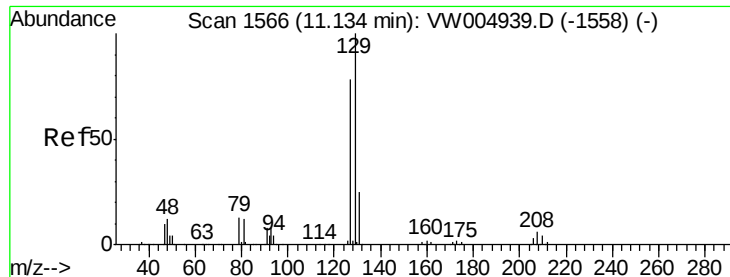
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.841 ug/L

RT: 10.87 min Scan# 1523

Delta R.T. -0.26 min

Lab File: VW004960.D

Acq: 25 Aug 2018 02:05

Instrument :

MSVOA_W

ClientSampleId :

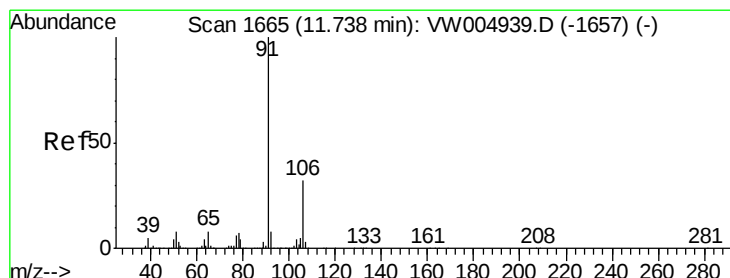
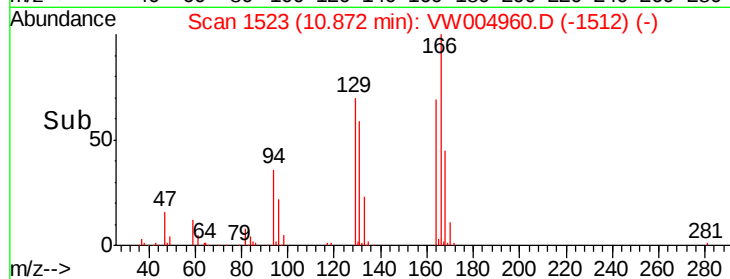
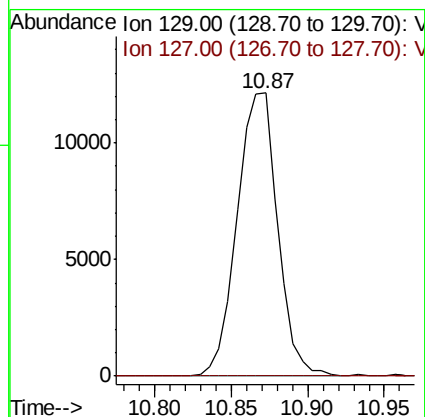
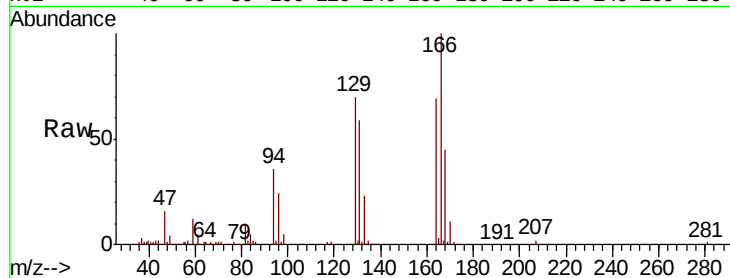
GAB89

Tgt Ion:129 Resp: 22360

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



#53

Ethylbenzene

Concen: 34.337 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004960.D

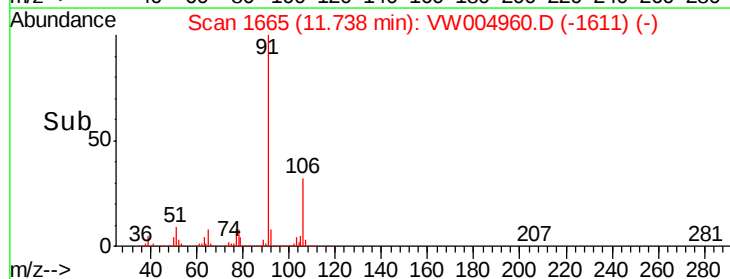
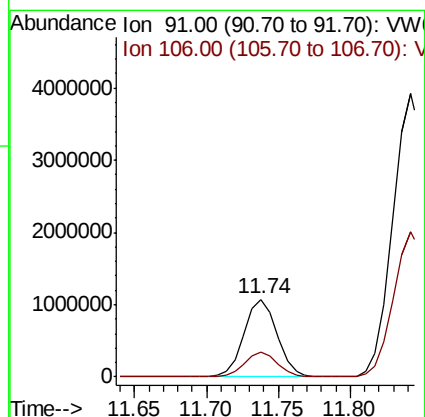
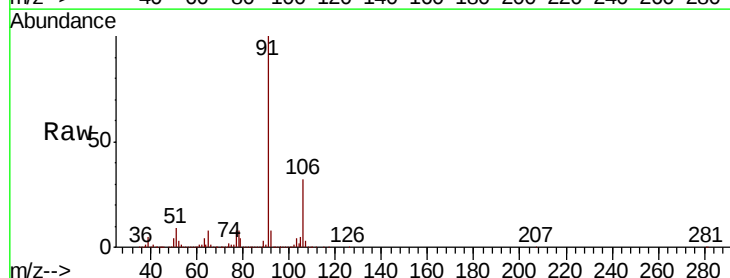
Acq: 25 Aug 2018 02:05

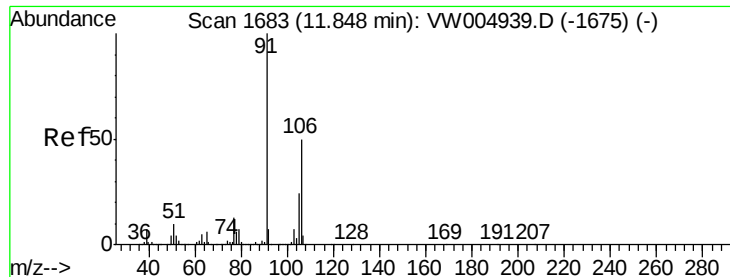
Tgt Ion: 91 Resp: 1713175

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2





#54

m,p-Xylene

Concen: 186.058 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004960.D

Acq: 25 Aug 2018 02:05

Instrument :

MSVOA_W

ClientSampleId :

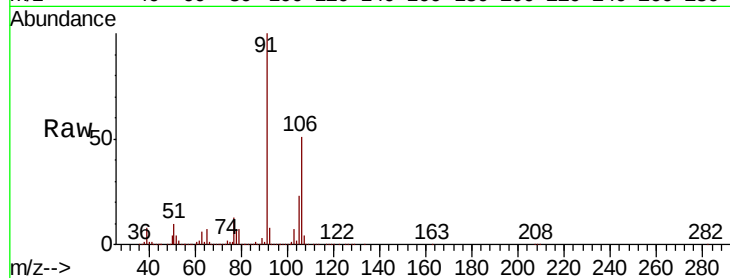
GAB89

Tgt Ion:106 Resp: 3601332

Ion Ratio Lower Upper

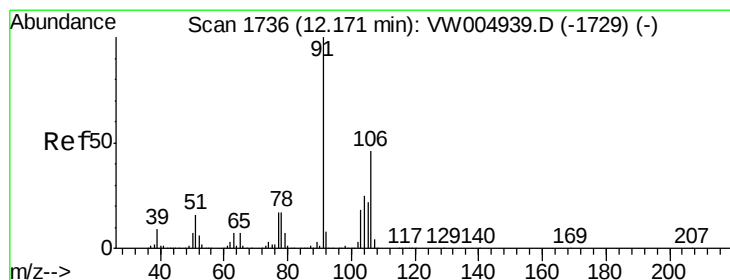
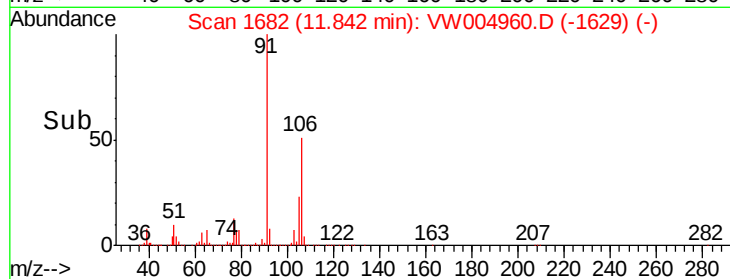
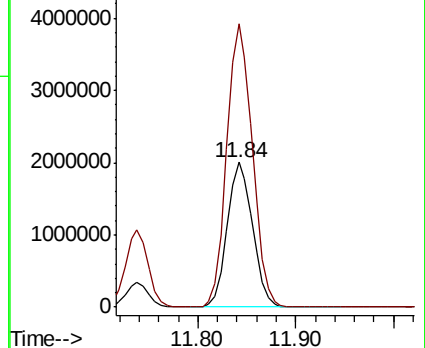
106 100

91 195.4 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 82.638 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004960.D

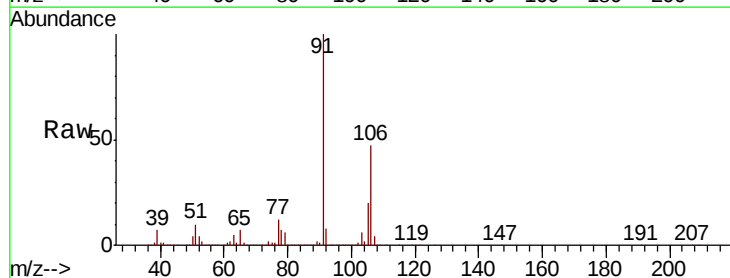
Acq: 25 Aug 2018 02:05

Tgt Ion:106 Resp: 1494502

Ion Ratio Lower Upper

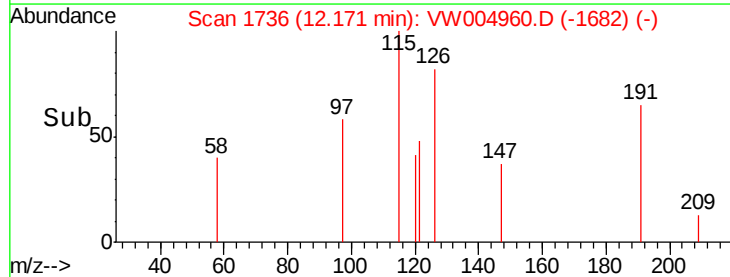
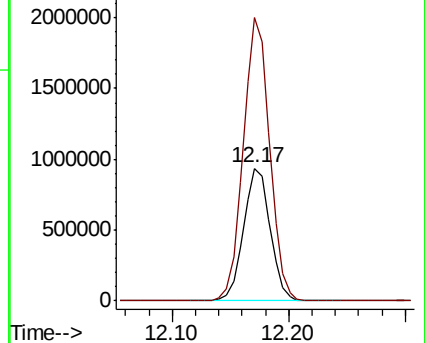
106 100

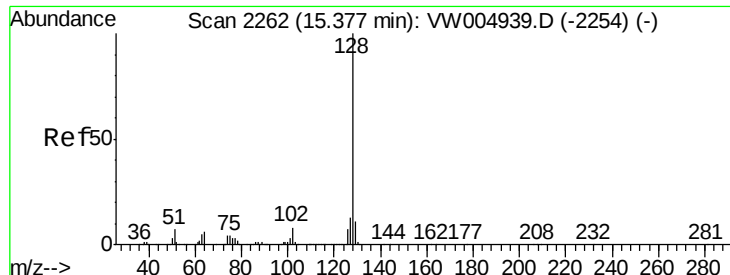
91 213.0 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 4.802 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

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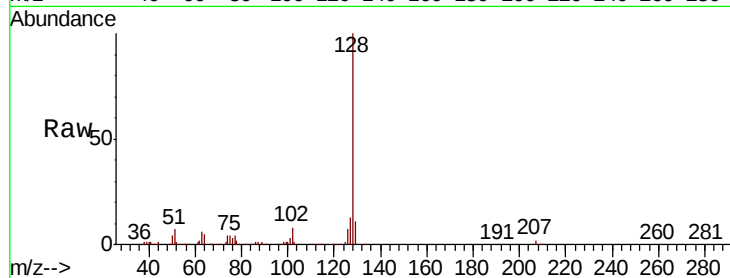
Tgt Ion:128 Resp: 110709

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.6 10.6 15.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

