

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092018\
 Data File : VW005530.D
 Acq On : 20 Sep 2018 13:05
 Operator : SY/AP
 Sample : J4970-03MSD
 Misc : 6.56G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E5FD5MSD

Quant Time: Sep 21 01:43:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 01:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	354274	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	330833	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139735	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	121579	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
7) Chloroethane-d5	2.89	69	98878	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.04%
10) 1,1-Dichloroethene-d2	4.01	63	252057	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.04%
20) 2-Butanone-d5	7.09	46	83770	45.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.00%
24) Chloroform-d	7.65	84	255481	26.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.28%
26) 1,2-Dichloroethane-d4	8.31	65	164068	28.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.36%
29) Benzene-d6	8.28	84	504733	25.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.20%
33) 1,2-Dichloropropane-d6	9.28	67	154985	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.04%
37) Toluene-d8	10.33	98	464421	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.20%
38) trans-1,3-Dichloropropene-	10.59	79	73505	26.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.56%
39) 2-Hexanone-d5	10.93	63	65879	47.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.64%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	127864	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.00%
61) 1,2-Dichlorobenzene-d4	13.87	152	148183	27.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.48%

Target Compounds

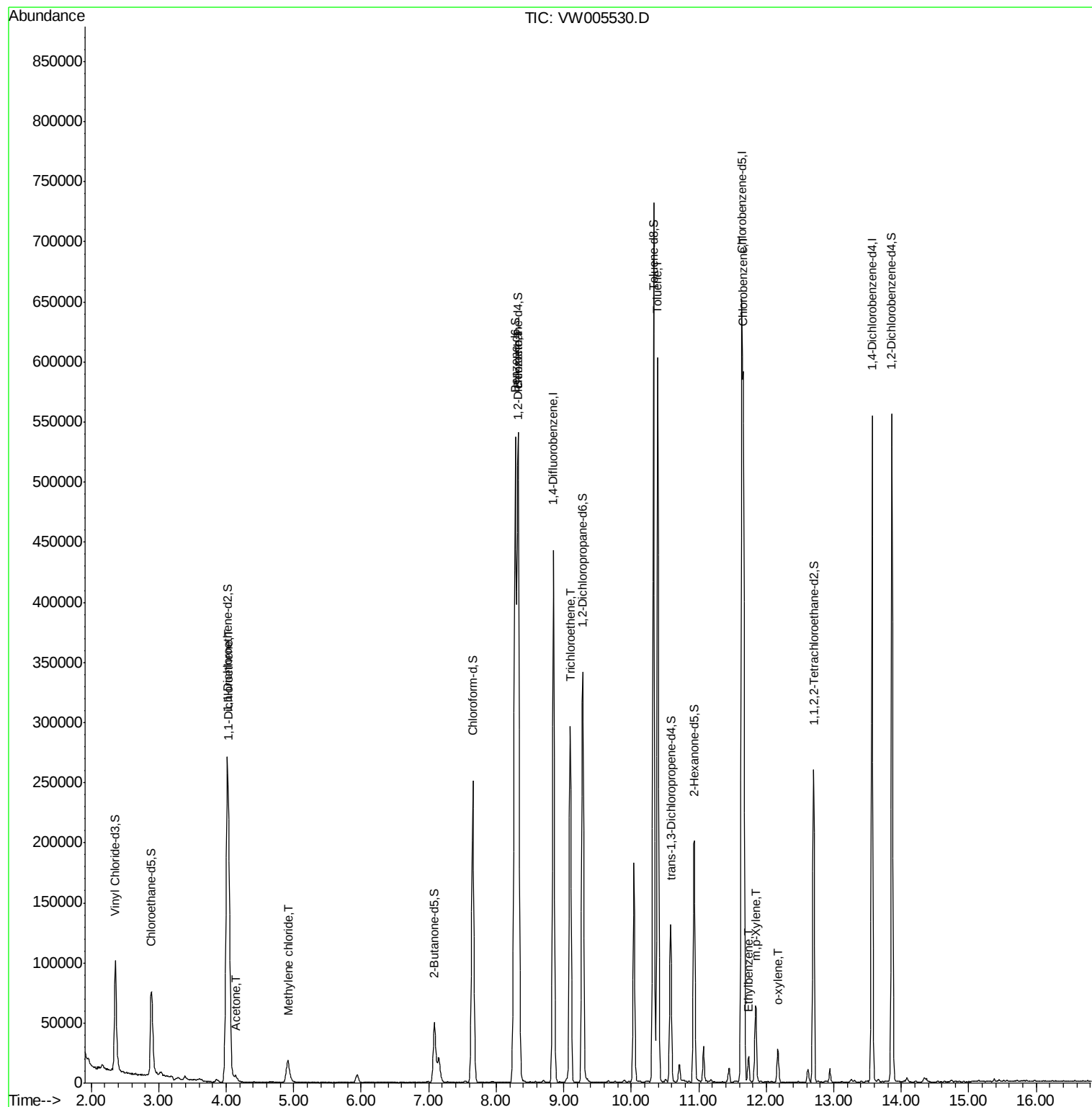
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	87481	19.963	ug/L	91
13) Acetone	4.14	43	4919	3.086	ug/L	76
16) Methylene chloride	4.92	84	14396	2.457	ug/L	96
34) Benzene	8.33	78	413457	20.708	ug/L	100
35) Trichloroethene	9.10	95	102916	19.928	ug/L	98
44) Toluene	10.40	91	441269	21.373	ug/L	99
52) Chlorobenzene	11.66	112	272027	20.334	ug/L	99
53) Ethylbenzene	11.74	91	14356	0.599	ug/L	98
54) m,p-Xylene	11.84	106	18928	2.150	ug/L	98
55) o-xylene	12.17	106	6876	0.825	ug/L	97

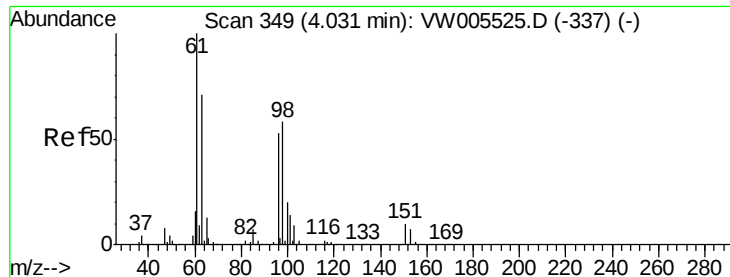
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 01:00:52 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 19.963 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW005530.D

Acq: 20 Sep 2018 13:05

Instrument :

MSVOA_W

ClientSampled :

E5FD5MSD

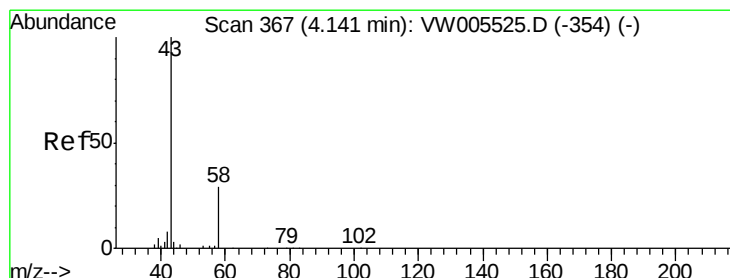
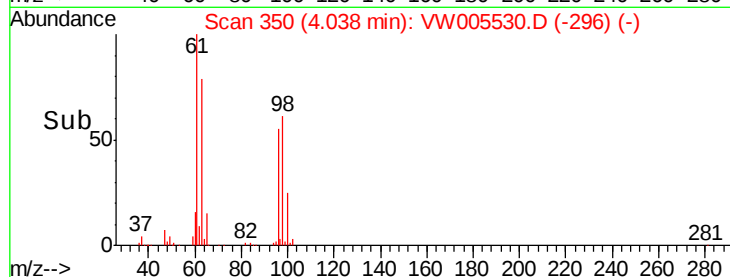
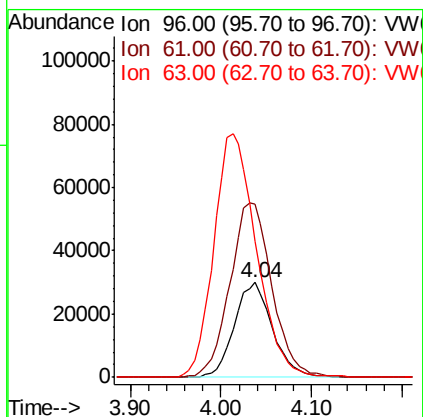
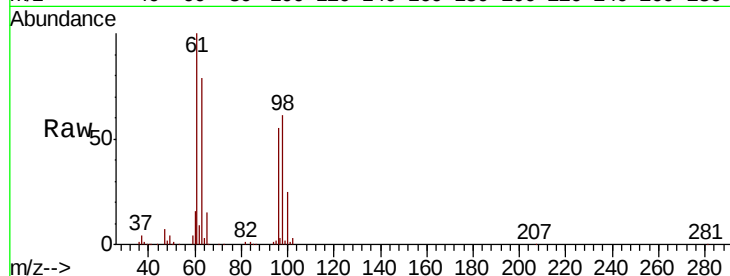
Tot Ion: 96 Resp: 87481

Ion Ratio Lower Upper

96 100

61 182.8 129.5 240.5

63 144.0 117.5 218.3



#13

Acetone

Concen: 3.086 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005530.D

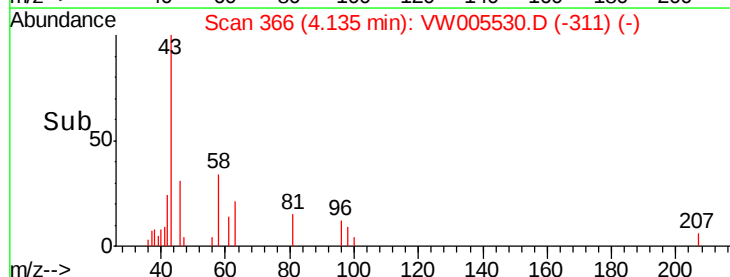
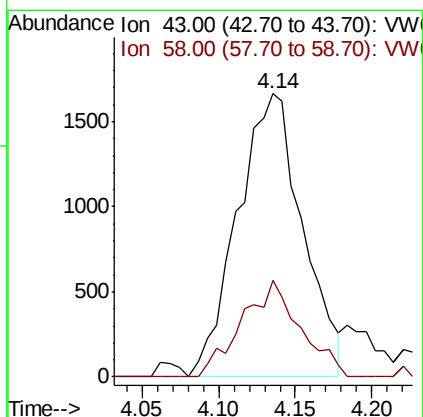
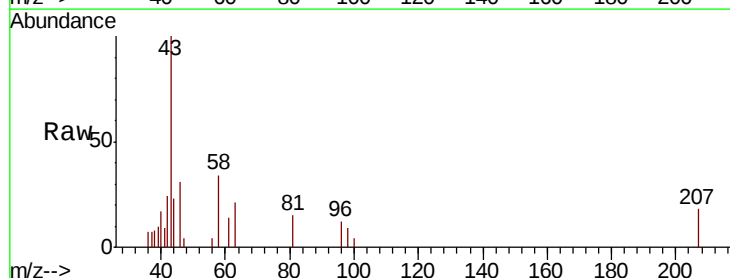
Acq: 20 Sep 2018 13:05

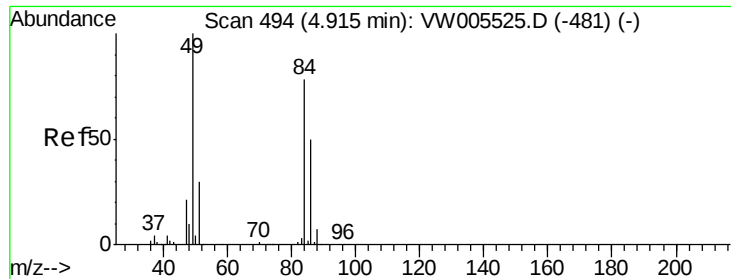
Tgt Ion: 43 Resp: 4919

Ion Ratio Lower Upper

43 100

58 16.7 0.0 59.2

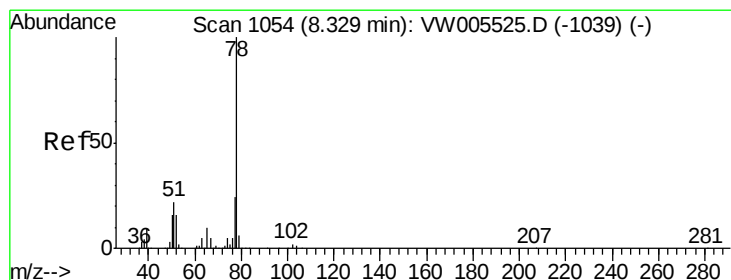
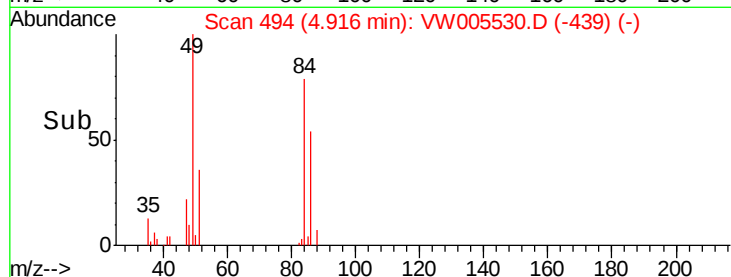
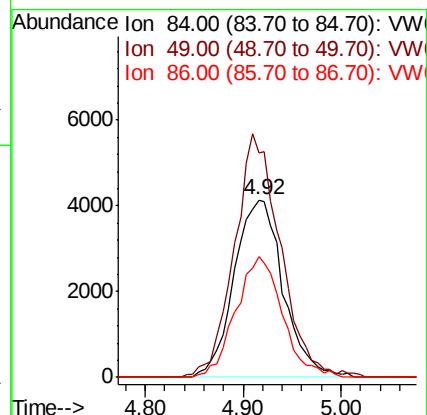
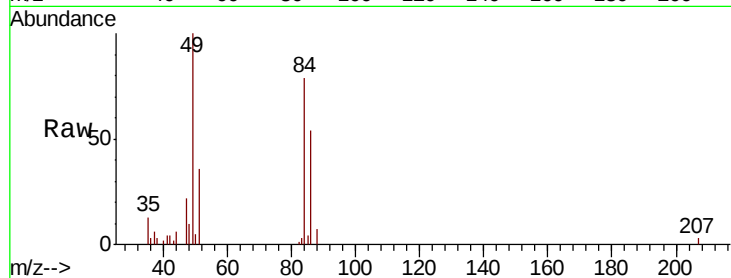




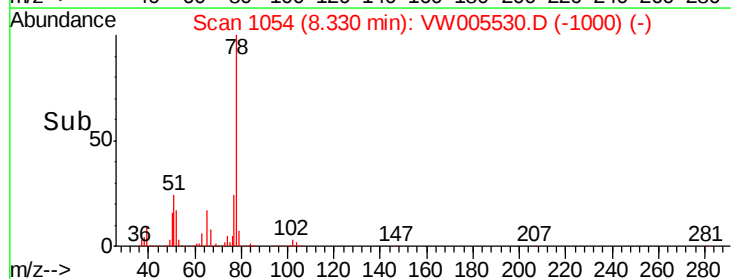
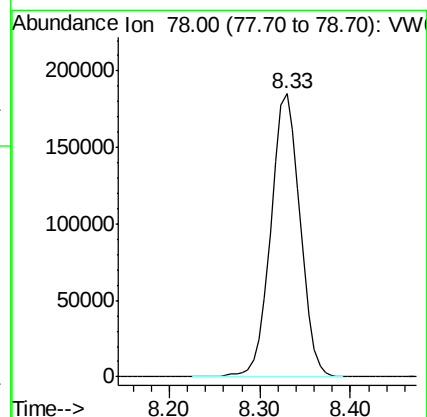
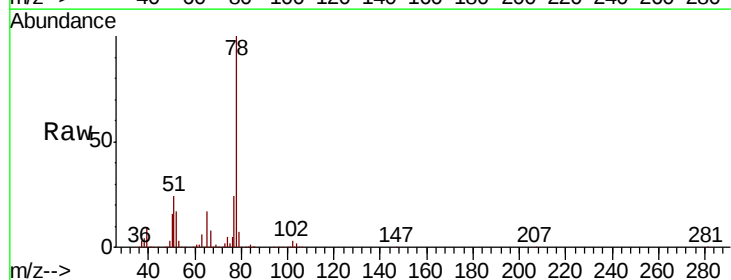
#16
Methvlene chloride
Concen: 2.457 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005530.D
Acq: 20 Sep 2018 13:05

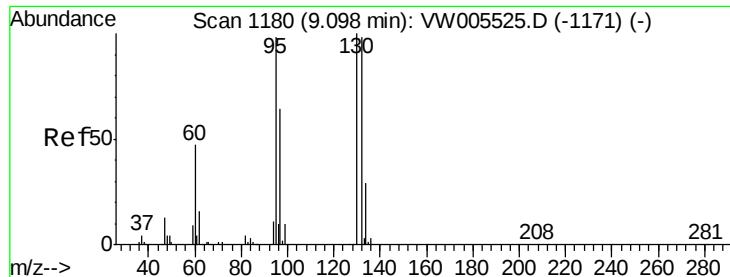
Instrument :
MSVOA_W
ClientSampleId :
E5FD5MSD

Tot Ion: 84 Resp: 14396
Ion Ratio Lower Upper
84 100
49 126.7 91.5 169.9
86 68.3 44.8 83.2



#34
Benzene
Concen: 20.708 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005530.D
Acq: 20 Sep 2018 13:05
Tgt Ion: 78 Resp: 413457





#35

Trichloroethene

Concen: 19.928 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005530.D

Acq: 20 Sep 2018 13:05

Instrument :

MSVOA_W

ClientSampleId :

E5FD5MSD

Tot Ion: 95 Resp: 102916

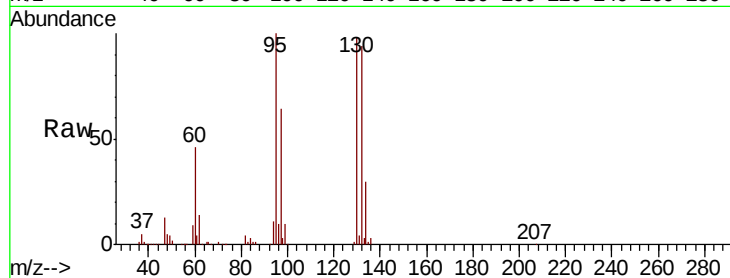
Ion Ratio Lower Upper

95 100

97 65.2 45.0 83.6

132 97.2 66.4 123.2

130 99.4 68.6 127.4

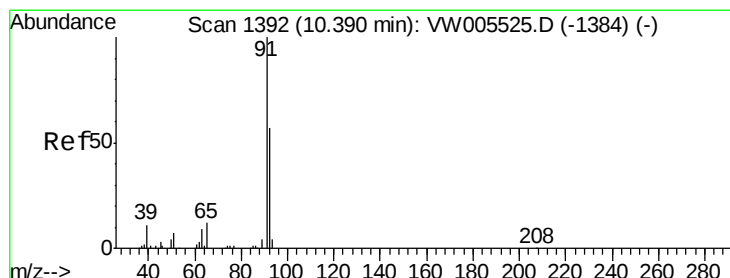
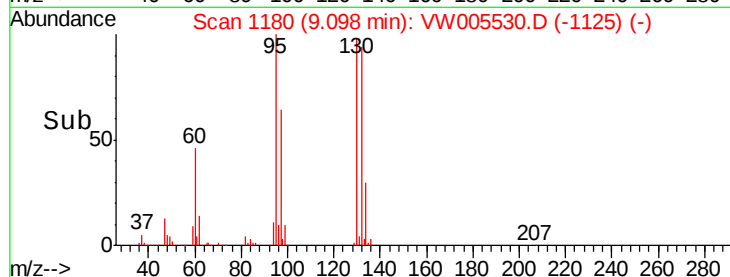
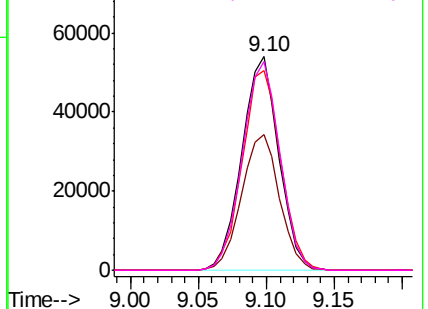


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 21.373 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005530.D

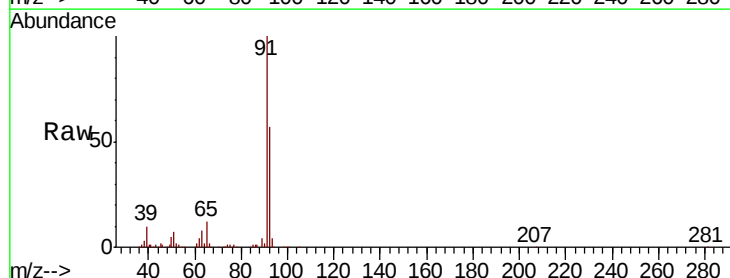
Acq: 20 Sep 2018 13:05

Tgt Ion: 91 Resp: 441269

Ion Ratio Lower Upper

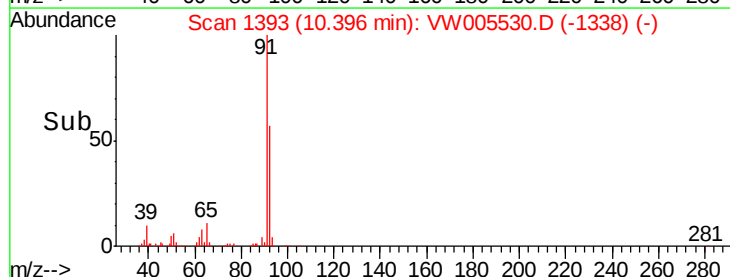
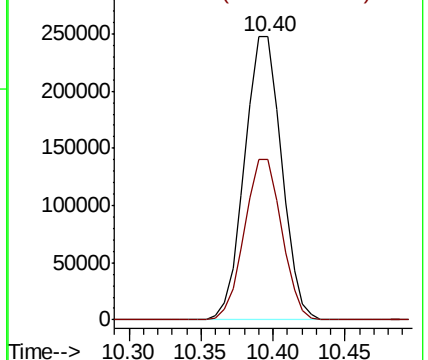
91 100

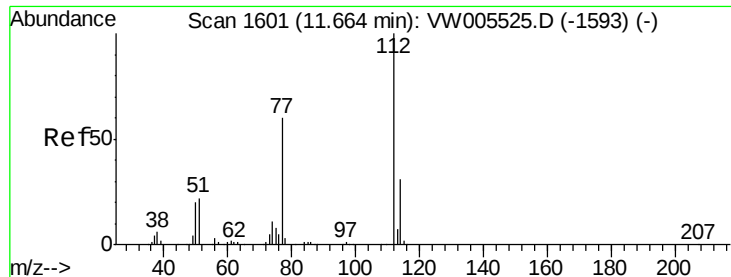
92 56.7 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 20.334 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005530.D

Acq: 20 Sep 2018 13:05

Instrument :

MSVOA_W

ClientSampleId :

E5FD5MSD

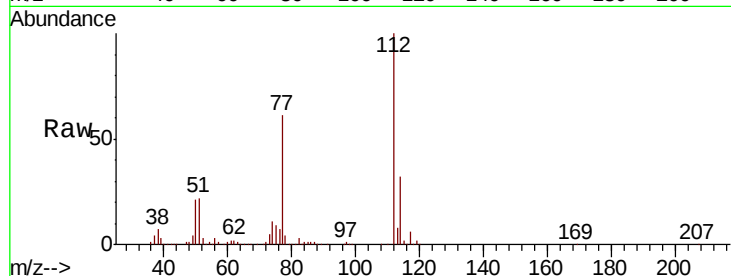
Tot Ion:112 Resp: 272027

Ion Ratio Lower Upper

112 100

77 61.1 48.5 72.7

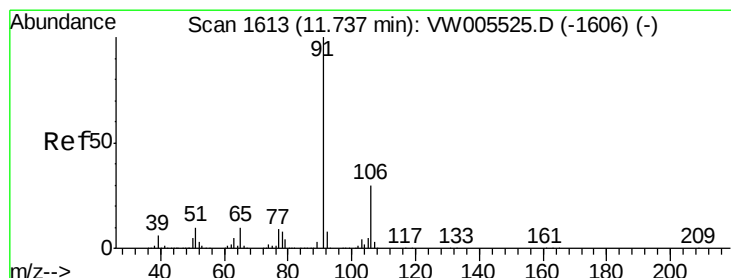
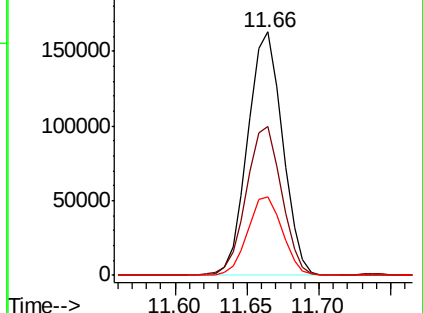
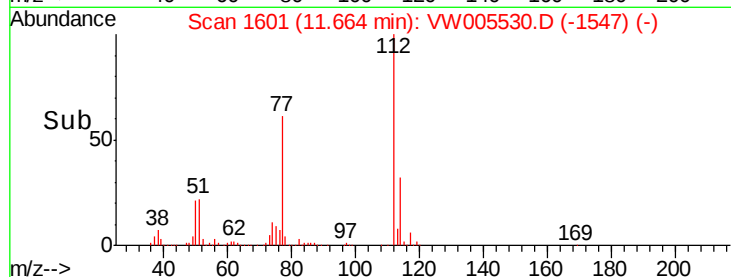
114 32.2 22.5 41.7



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: 0.599 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005530.D

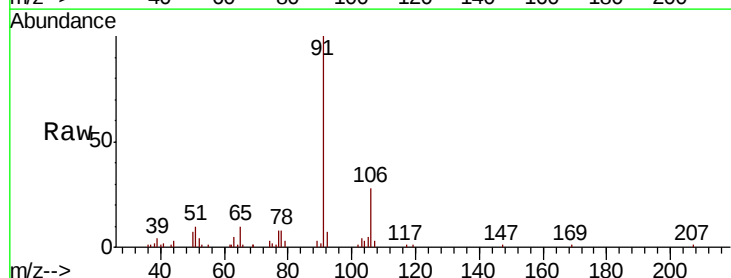
Acq: 20 Sep 2018 13:05

Tgt Ion: 91 Resp: 14356

Ion Ratio Lower Upper

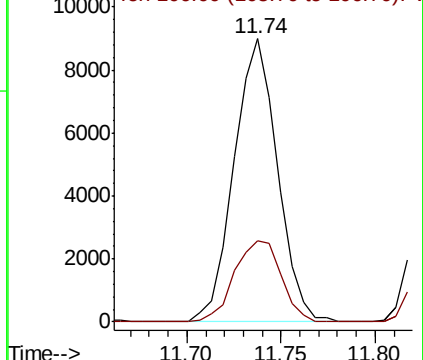
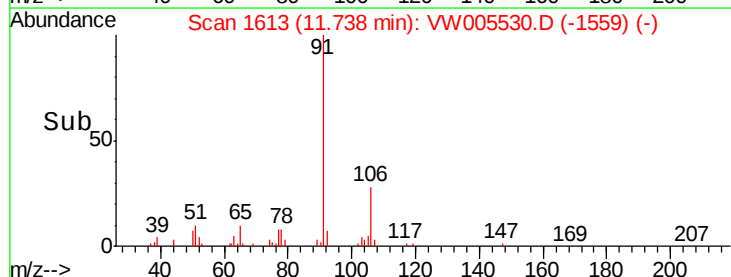
91 100

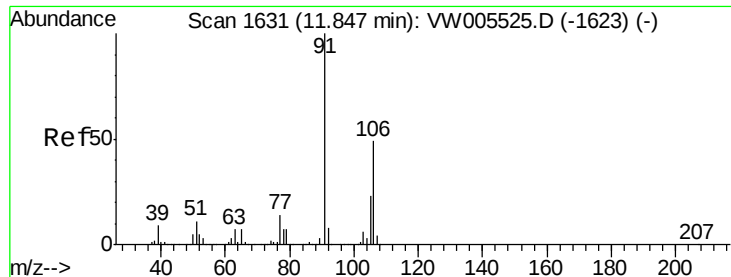
106 28.5 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.150 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW005530.D

Acq: 20 Sep 2018 13:05

Instrument :

MSVOA_W

ClientSampleId :

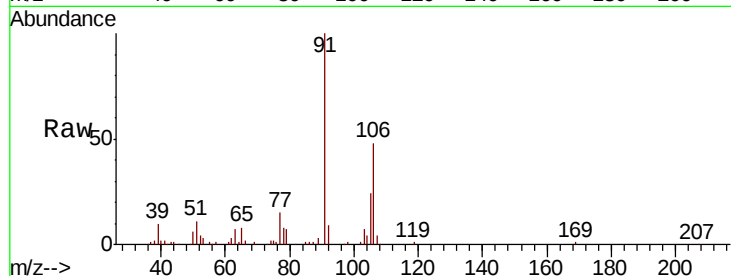
E5FD5MSD

Tot Ion:106 Resp: 18928

Ion Ratio Lower Upper

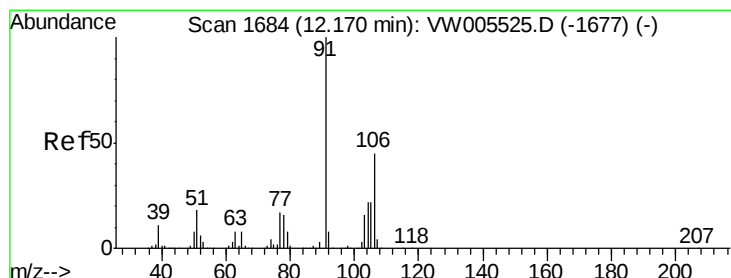
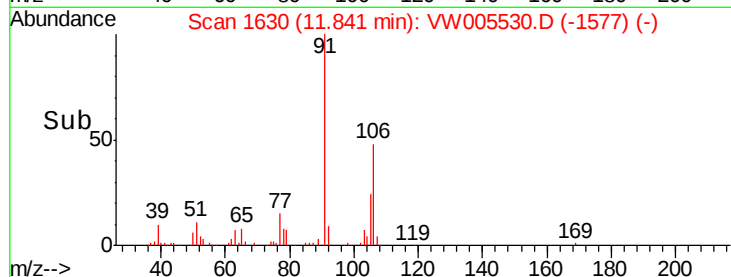
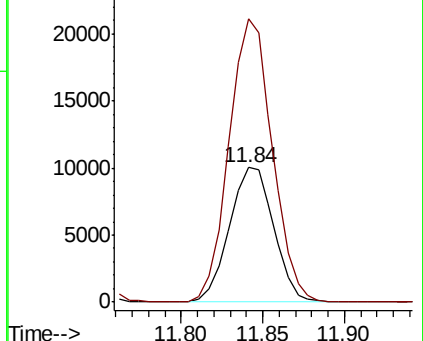
106 100

91 210.1 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.825 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005530.D

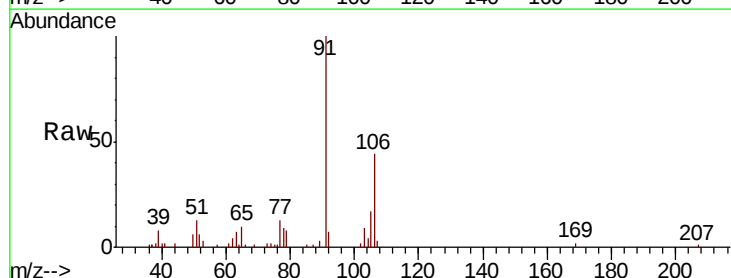
Acq: 20 Sep 2018 13:05

Tgt Ion:106 Resp: 6876

Ion Ratio Lower Upper

106 100

91 228.6 156.3 290.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

