

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015587.D
 Acq On : 11 Jun 2020 14:17
 Operator : SY/VA
 Sample : L2959-07RE
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1RE

Quant Time: Jun 12 06:14:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	88367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	76006	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	27521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30105	37.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	148.72%
7) Chloroethane-d5	2.89	69	25653	31.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.40%
10) 1,1-Dichloroethene-d2	4.01	63	42421	21.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.00%
20) 2-Butanone-d5	7.09	46	12442	47.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.12%
24) Chloroform-d	7.65	84	53590	26.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.88%
26) 1,2-Dichloroethane-d4	8.31	65	30617	26.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.72%
29) Benzene-d6	8.28	84	104046	27.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.64%
33) 1,2-Dichloropropane-d6	9.28	67	30952	27.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.28%
37) Toluene-d8	10.33	98	91286	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.76%
38) trans-1,3-Dichloropropene-	10.58	79	11486	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	9069	46.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20094	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	22283	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

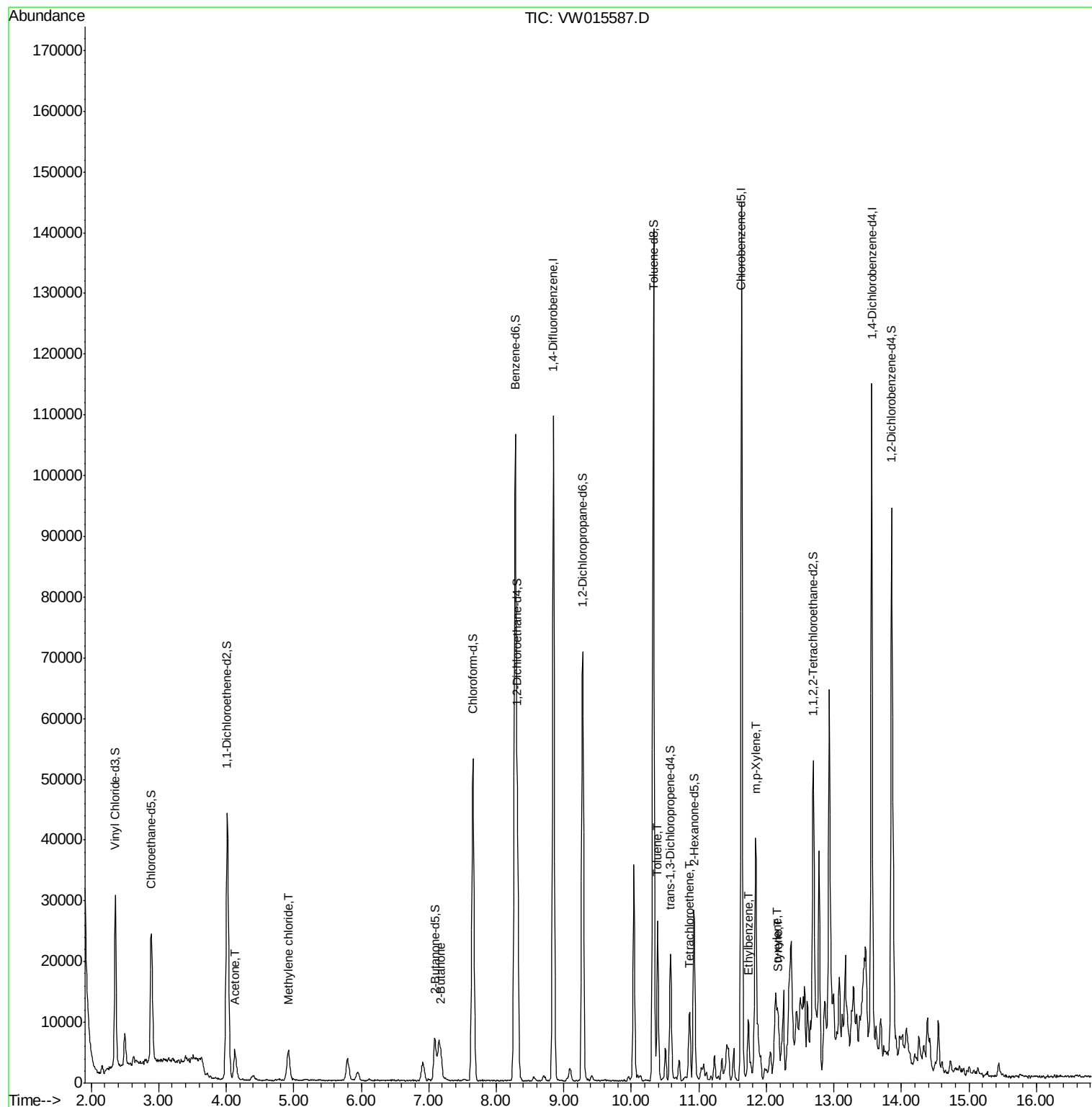
					Ovalue
13) Acetone	4.13	43	8851	43.304	ug/L 99
16) Methylene chloride	4.92	84	3584	3.305	ug/L 88
21) 2-Butanone	7.18	43	4787	15.246	ug/L 96
44) Toluene	10.39	91	18386	3.970	ug/L 96
47) Tetrachloroethene	10.87	164	2335	2.580	ug/L 98
53) Ethylbenzene	11.73	91	6901	1.298	ug/L 96
54) m,p-Xylene	11.83	106	4935	2.473	ug/L 95
55) o-xylene	12.16	106	1953	1.031	ug/L 96
56) Styrene	12.18	104	1220	0.377	ug/L 94

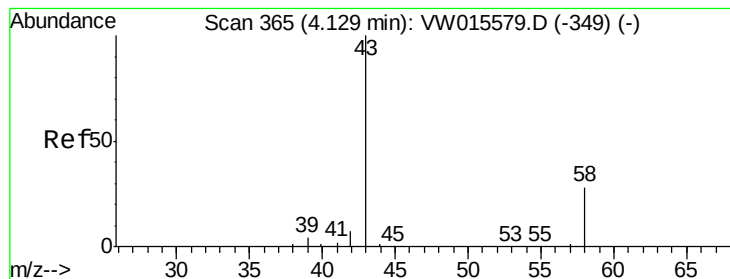
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration





#13

Acetone

Concen: 43.304 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

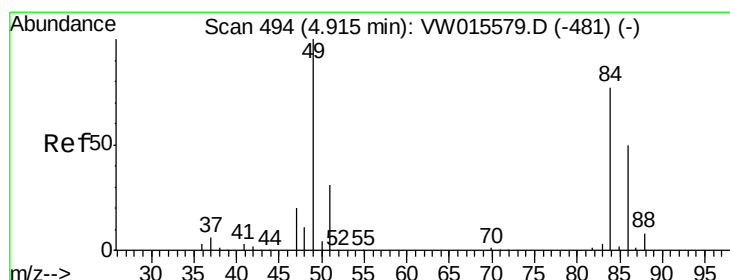
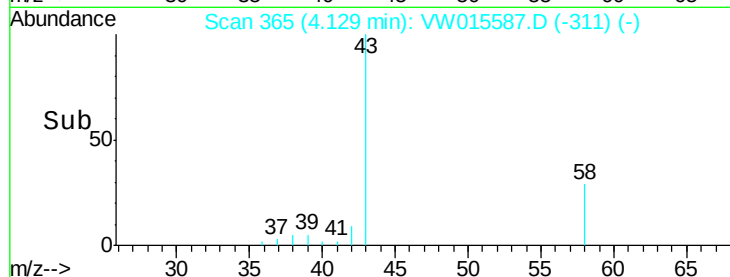
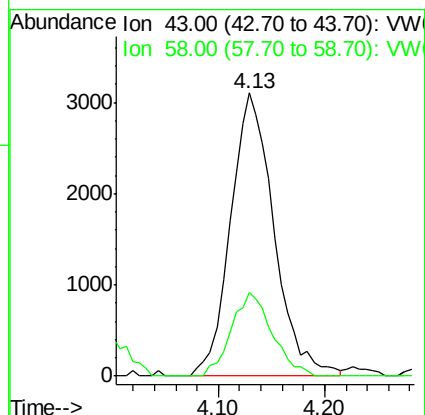
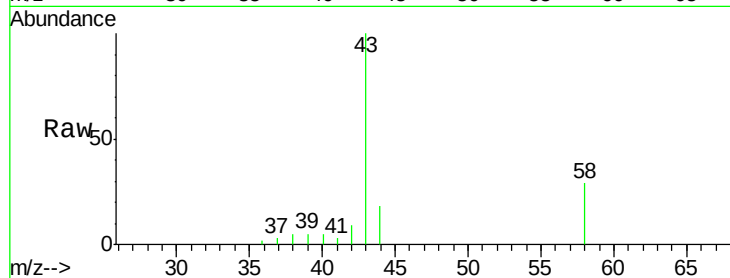
BG2K1RE

Tot Ion: 43 Resp: 8851

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.8



#16

Methylene chloride

Concen: 3.305 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

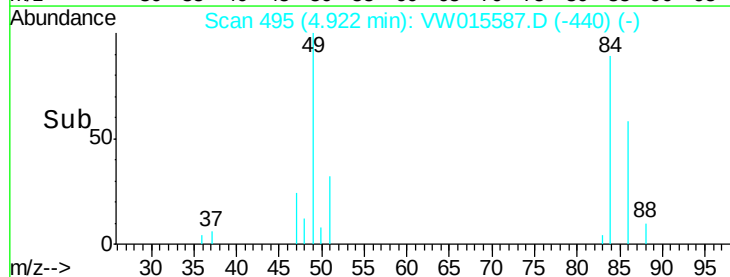
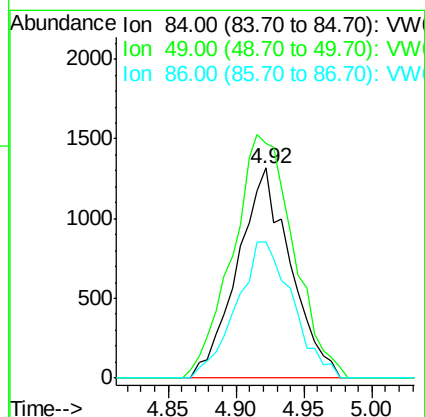
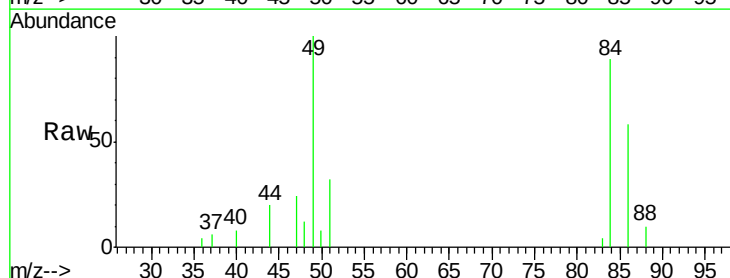
Tgt Ion: 84 Resp: 3584

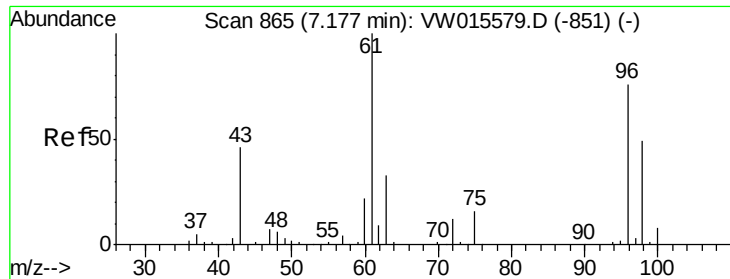
Ion Ratio Lower Upper

84 100

49 111.8 93.0 172.8

86 64.9 44.7 83.1





#21

2-Butanone

Concen: 15.246 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

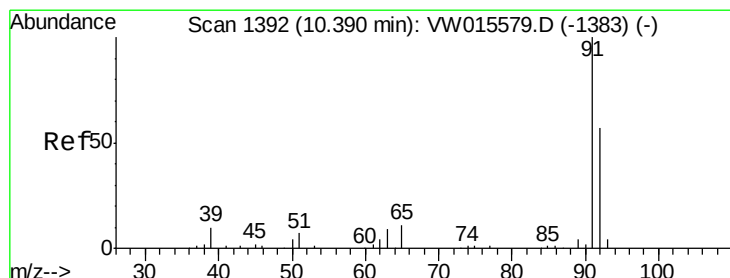
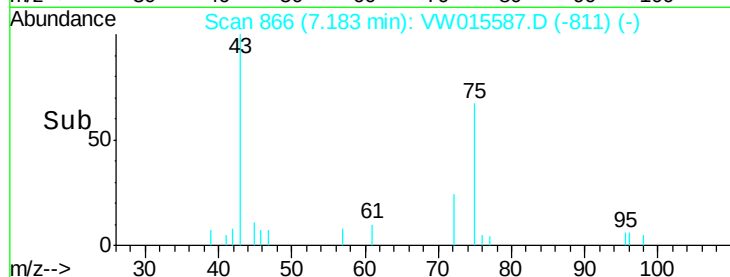
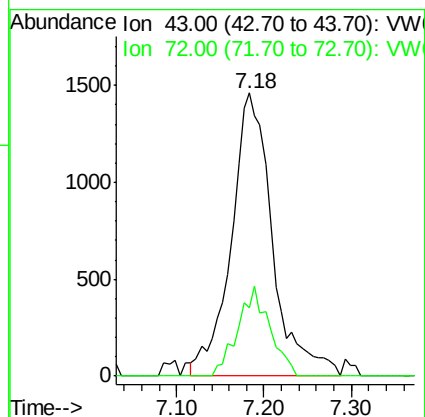
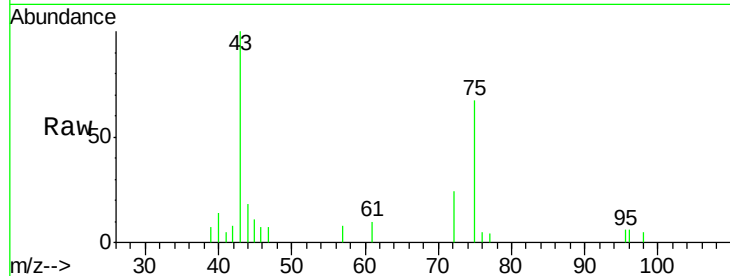
BG2K1RE

Tot Ion: 43 Resp: 4787

Ion Ratio Lower Upper

43 100

72 24.5 13.3 39.9



#44

Toluene

Concen: 3.970 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015587.D

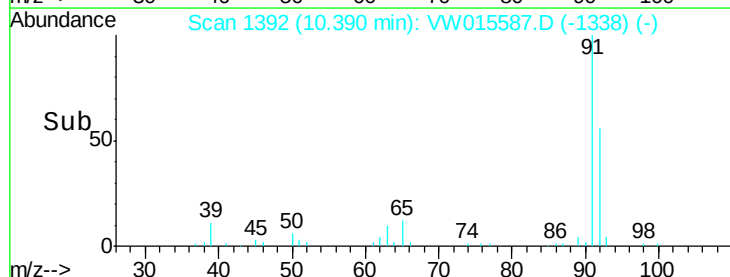
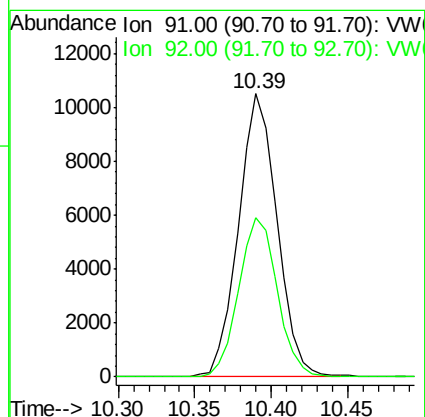
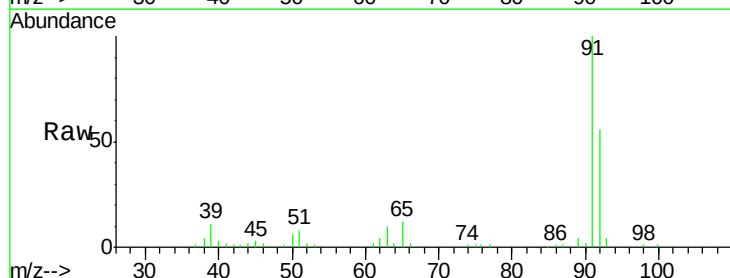
Acq: 11 Jun 2020 14:17

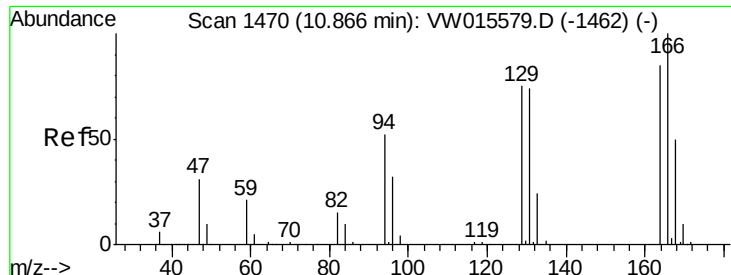
Tgt Ion: 91 Resp: 18386

Ion Ratio Lower Upper

91 100

92 56.5 41.7 77.5





#47

Tetrachloroethene

Concen: 2.580 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

BG2K1RE

Tot Ion:164 Resp: 2335

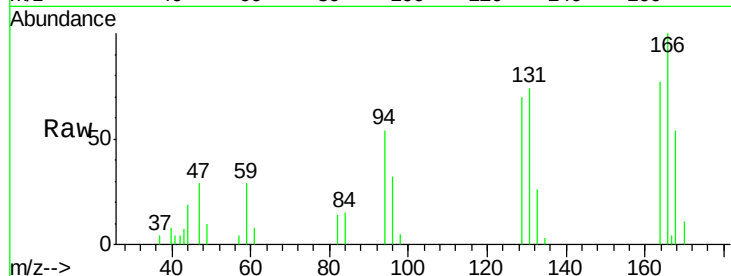
Ion Ratio Lower Upper

164 100

129 90.6 66.3 123.1

131 96.6 65.1 120.9

166 129.8 90.8 168.6

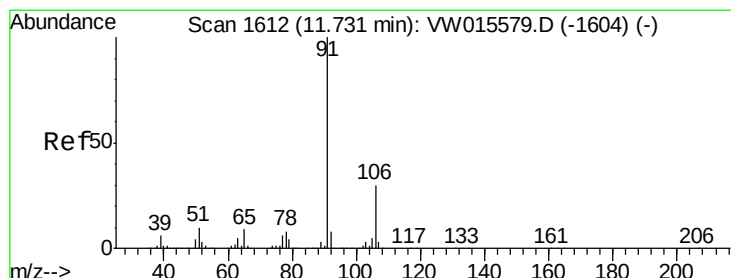
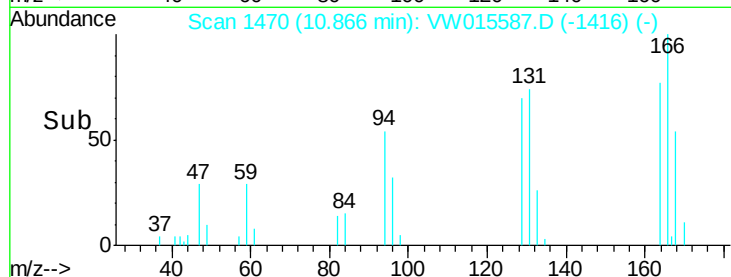
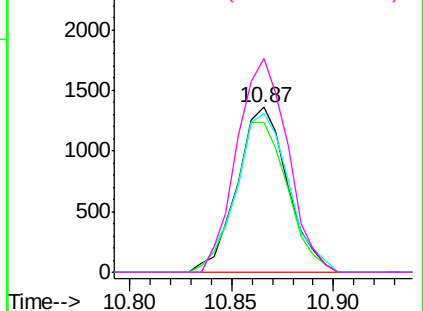


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.298 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015587.D

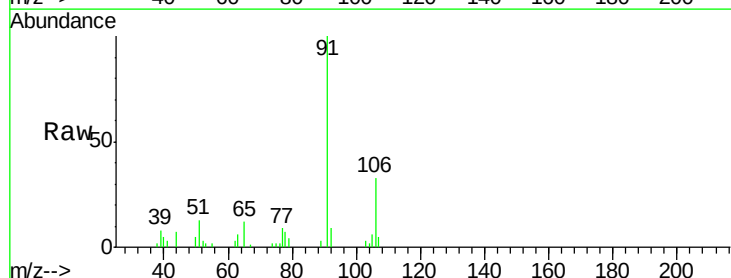
Acq: 11 Jun 2020 14:17

Tgt Ion: 91 Resp: 6901

Ion Ratio Lower Upper

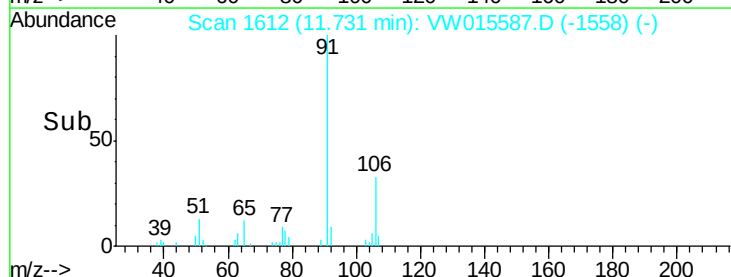
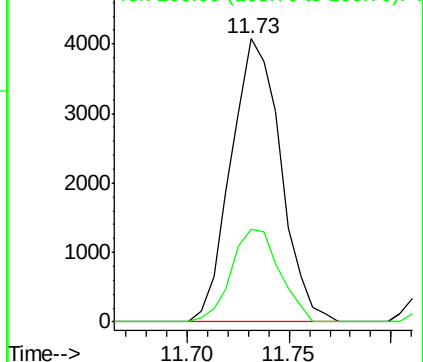
91 100

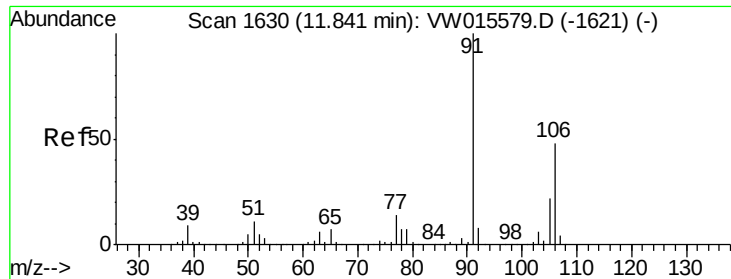
106 32.8 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.473 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

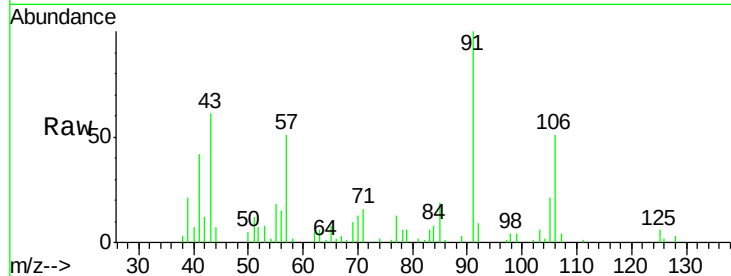
BG2K1RE

Tot Ion:106 Resp: 4935

Ion Ratio Lower Upper

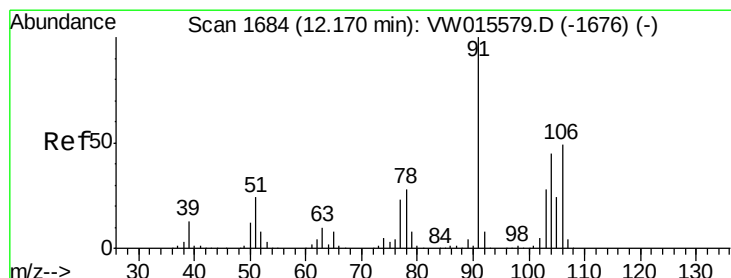
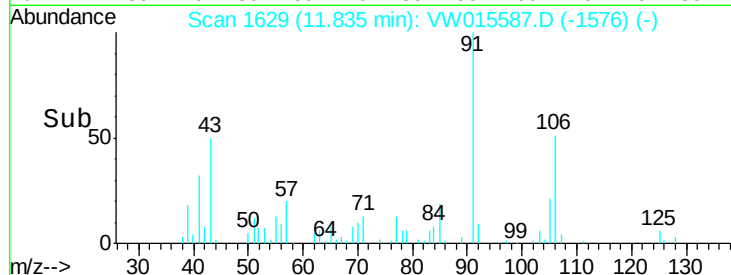
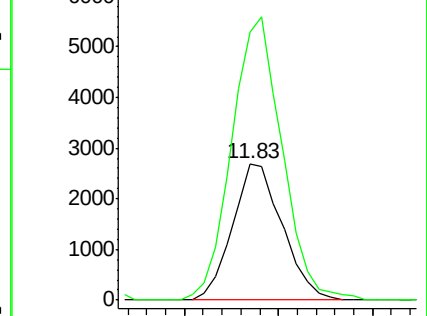
106 100

91 196.6 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.031 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW015587.D

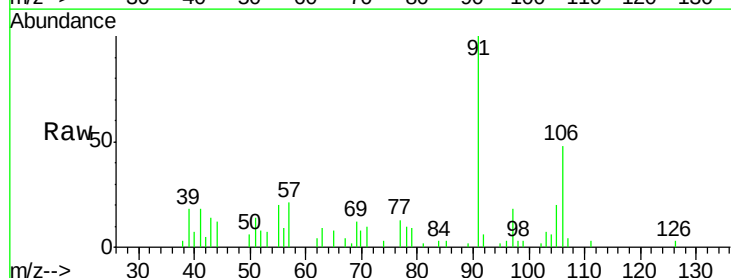
Acq: 11 Jun 2020 14:17

Tgt Ion:106 Resp: 1953

Ion Ratio Lower Upper

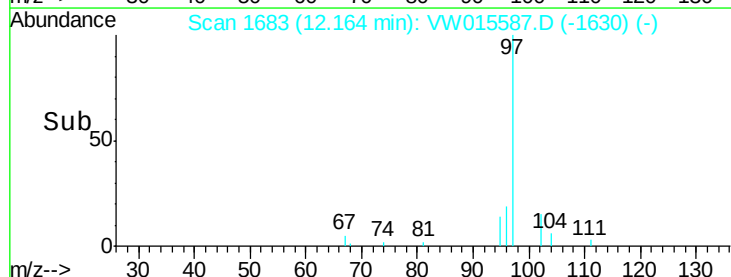
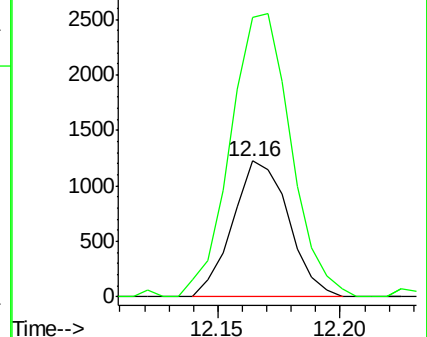
106 100

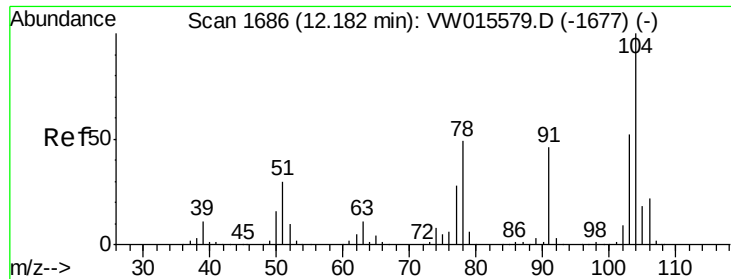
91 206.2 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.377 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

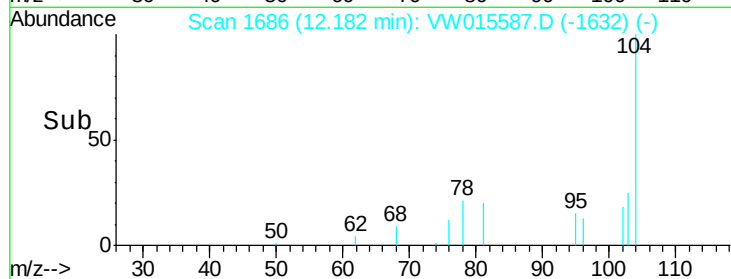
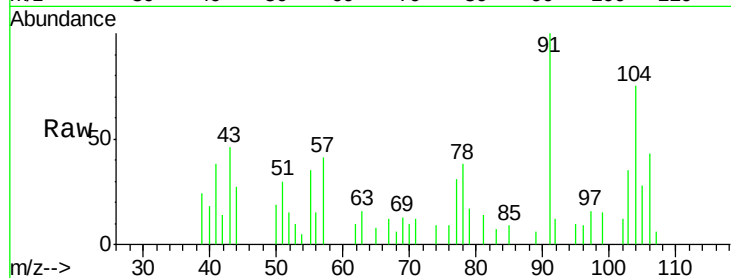
BG2K1RE

Tot Ion:104 Resp: 1220

Ion Ratio Lower Upper

104 100

78 50.9 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

