

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062419\
 Data File : VW010931.D
 Acq On : 24 Jun 2019 15:30
 Operator : SY/VA
 Sample : K3497-03MS
 Misc : 4.37G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAM07MS

Quant Time: Jun 25 02:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 11:05:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	353648	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	284849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	96427	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112012	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.89	69	82627	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
10) 1,1-Dichloroethene-d2	4.02	63	253242	23.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.52%
20) 2-Butanone-d5	7.07	46	145275	67.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.98%
24) Chloroform-d	7.65	84	232307	24.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	8.31	65	161590	27.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.32%
29) Benzene-d6	8.27	84	473671	27.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.80%
33) 1,2-Dichloropropane-d6	9.27	67	164129	29.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.16%
37) Toluene-d8	10.32	98	401940	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.20%
38) trans-1,3-Dichloropropene-	10.58	79	70730	28.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.12%
39) 2-Hexanone-d5	10.93	63	104752	82.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.96%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144637	31.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.20%#
61) 1,2-Dichlorobenzene-d4	13.86	152	93112	25.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.32%

Target Compounds

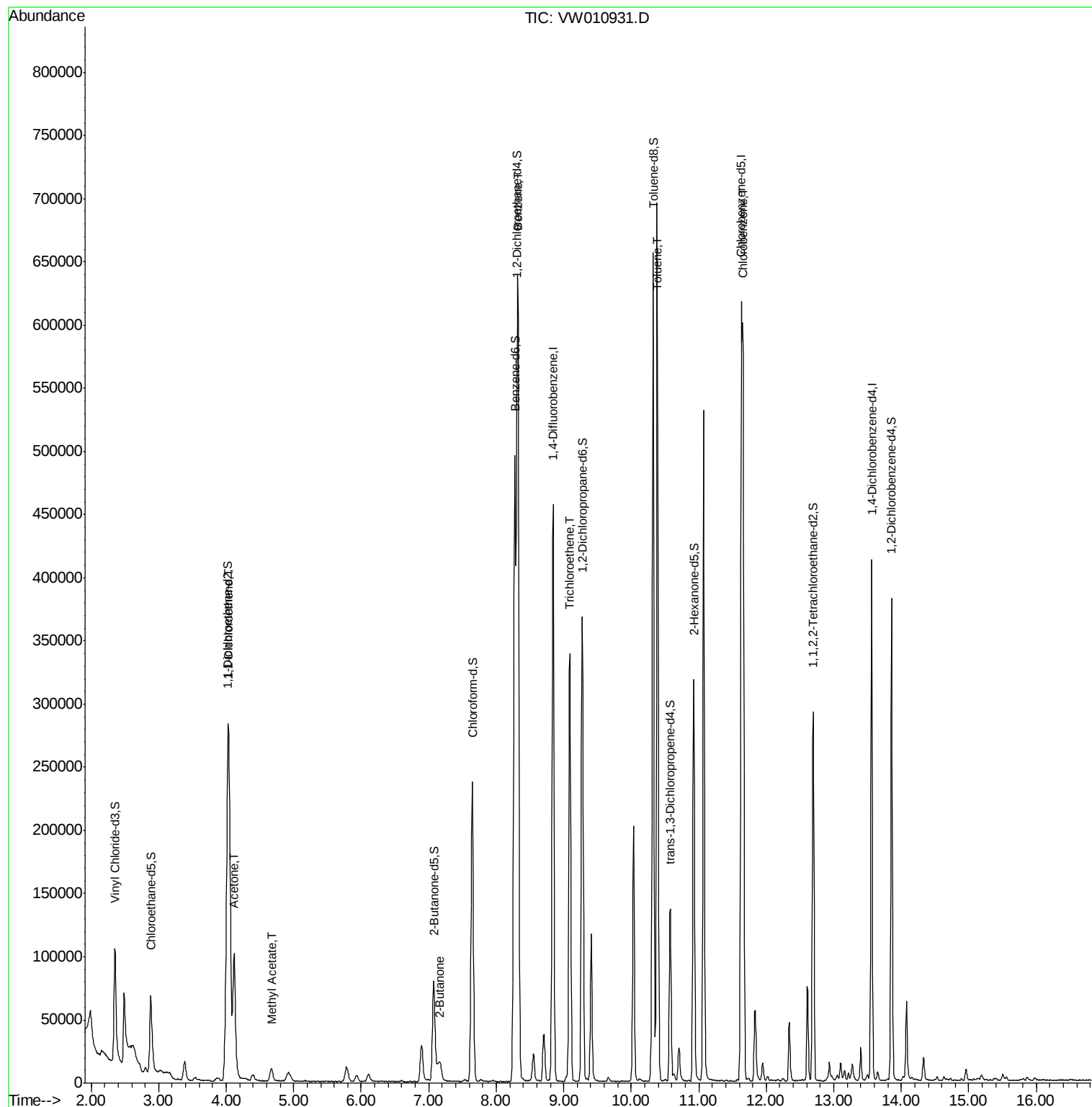
					Ovalue
12) 1,1-Dichloroethene	4.04	96	108399	21.898	ug/L 91
13) Acetone	4.12	43	167393	81.201	ug/L 96
15) Methyl Acetate	4.67	43	20268	5.680	ug/L 98
21) 2-Butanone	7.17	43	20896	7.708	ug/L 98
34) Benzene	8.32	78	491851	26.276	ug/L 100
35) Trichloroethene	9.09	95	116227	24.485	ug/L 99
44) Toluene	10.39	91	488781	24.972	ug/L 99
52) Chlorobenzene	11.66	112	266345	22.613	ug/L 99

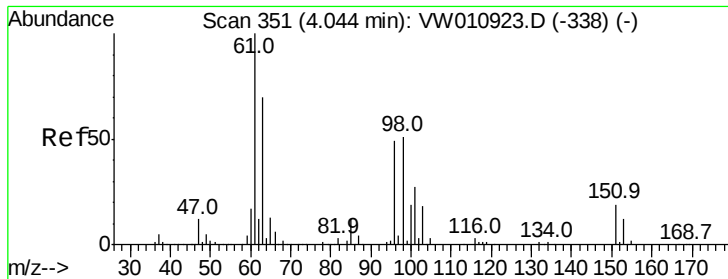
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Jun 24 11:05:49 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 21.898 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

GAM07MS

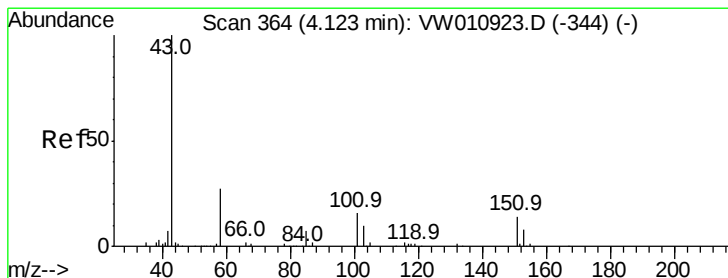
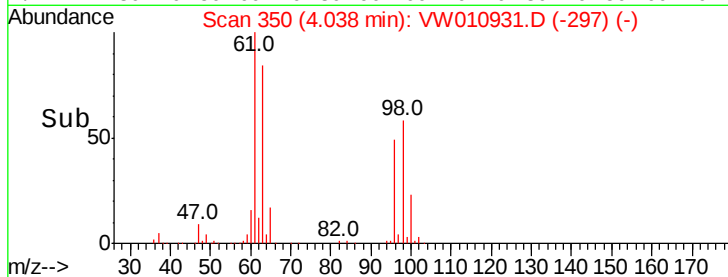
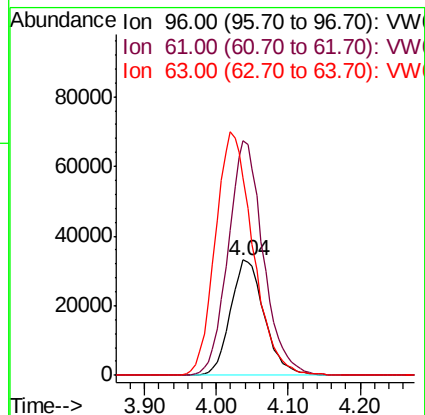
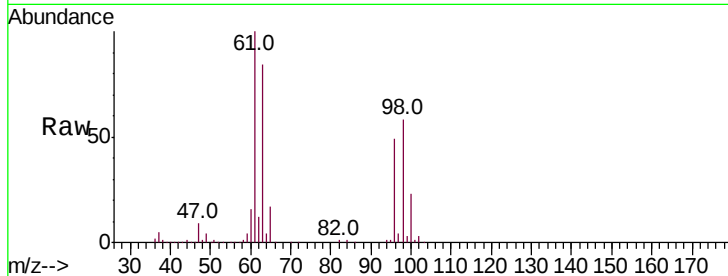
Tot Ion: 96 Resp: 108399

Ion Ratio Lower Upper

96 100

61 203.4 144.5 268.3

63 171.1 102.3 189.9



#13

Acetone

Concen: 81.201 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010931.D

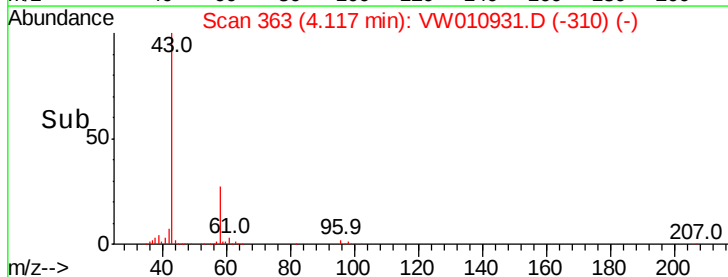
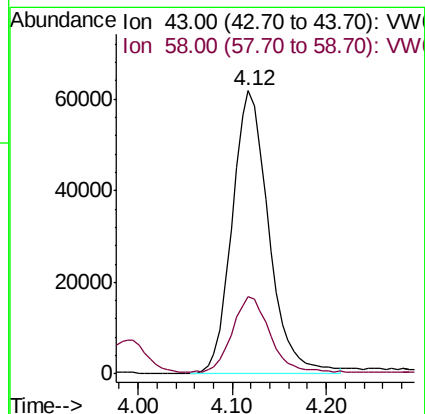
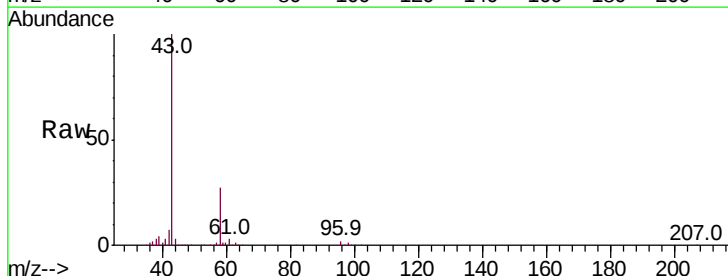
Acq: 24 Jun 2019 15:30

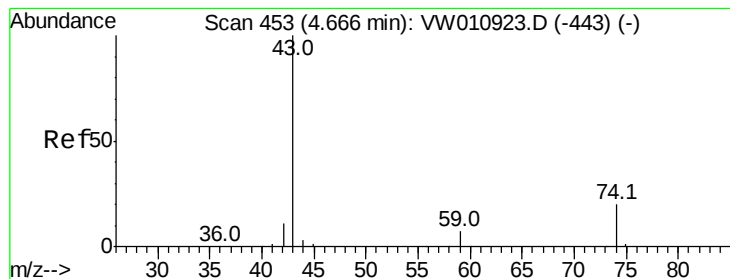
Tgt Ion: 43 Resp: 167393

Ion Ratio Lower Upper

43 100

58 28.7 0.0 53.2





#15

Methvl Acetate

Concen: 5.680 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

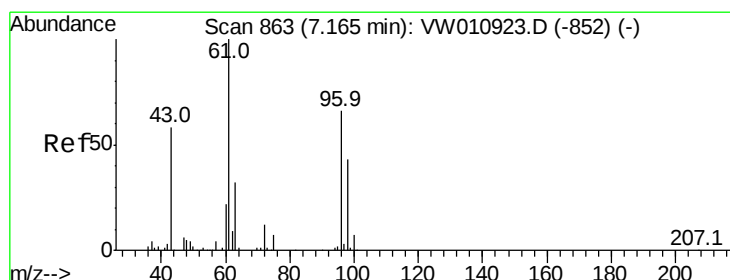
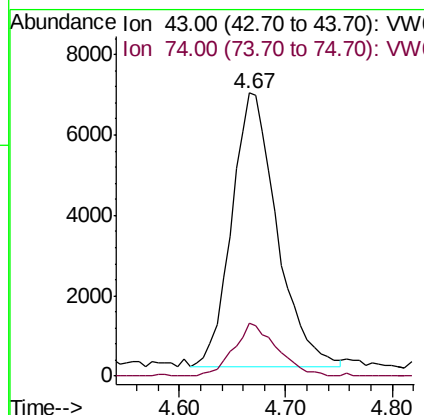
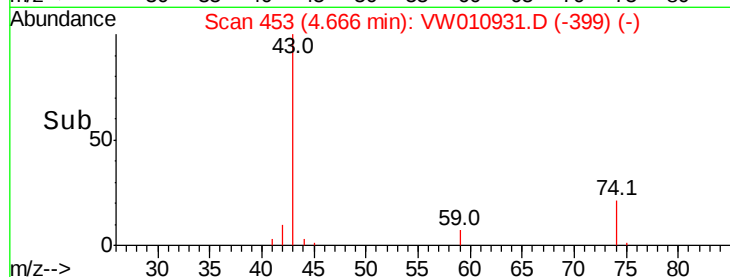
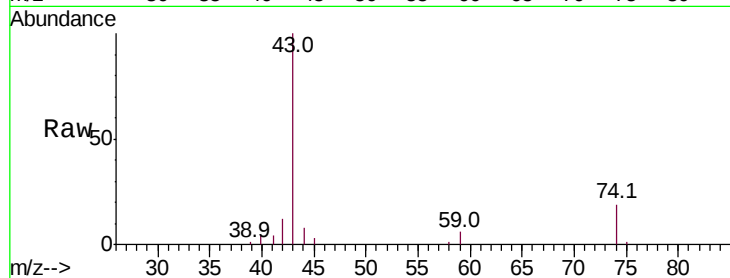
GAM07MS

Tot Ion: 43 Resp: 20268

Ion Ratio Lower Upper

43 100

74 18.1 15.3 22.9



#21

2-Butanone

Concen: 7.708 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW010931.D

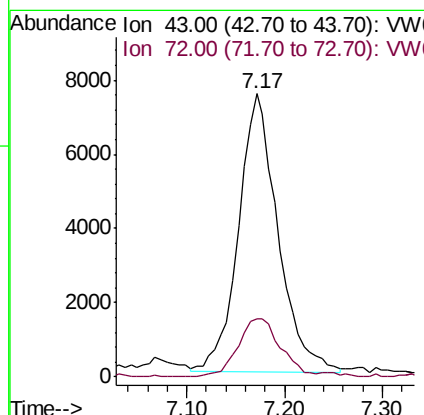
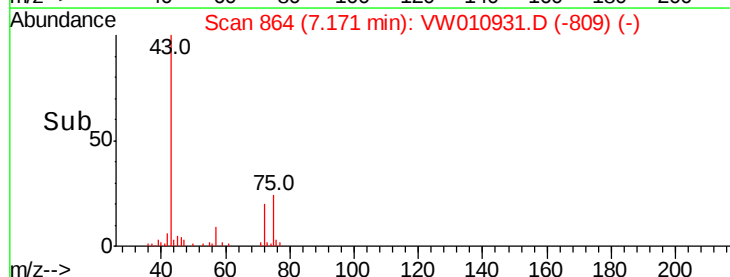
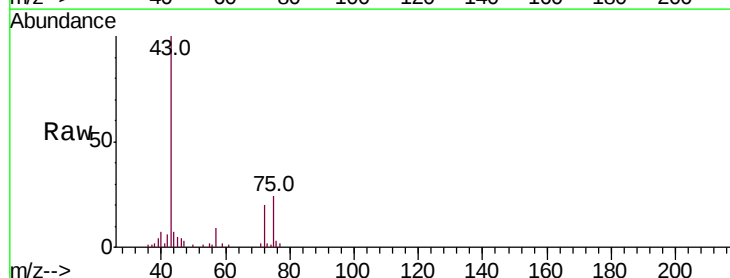
Acq: 24 Jun 2019 15:30

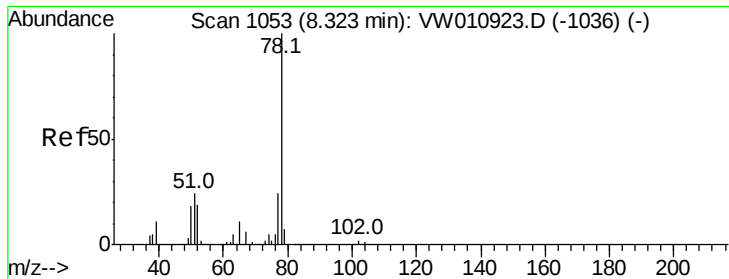
Tgt Ion: 43 Resp: 20896

Ion Ratio Lower Upper

43 100

72 22.6 10.9 32.6





#34

Benzene

Concen: 26.276 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

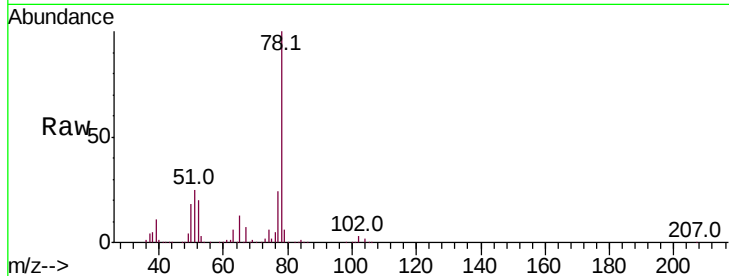
Instrument :

MSVOA_W

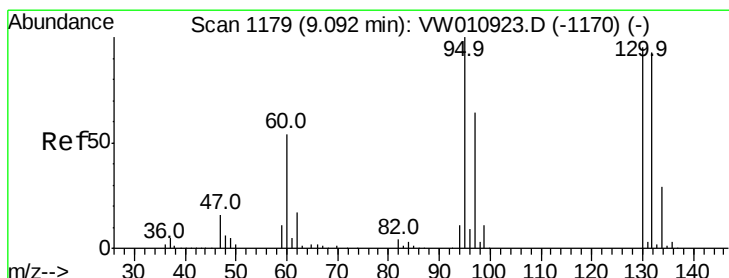
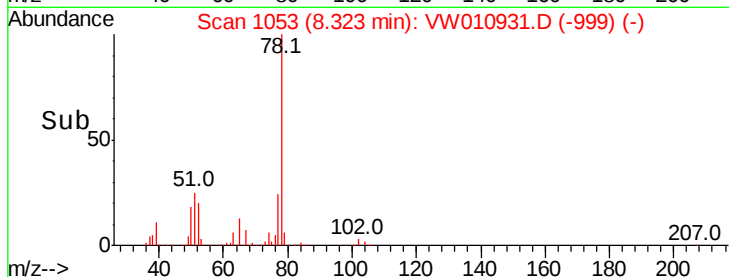
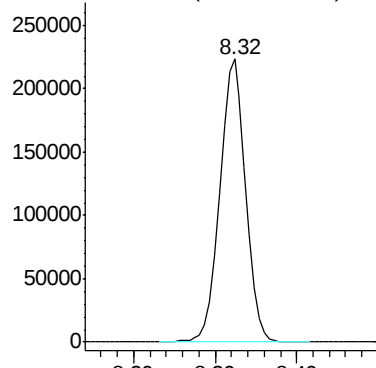
ClientSampleId :

GAM07MS

Tgt Ion: 78 Resp: 491851



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.485 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

Tgt Ion: 95 Resp: 116227

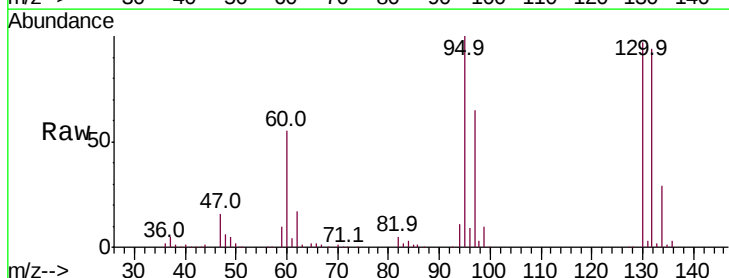
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.9	83.3
132	93.1	64.0	119.0
130	96.8	67.4	125.2

95 100

97 64.1 44.9 83.3

132 93.1 64.0 119.0

130 96.8 67.4 125.2

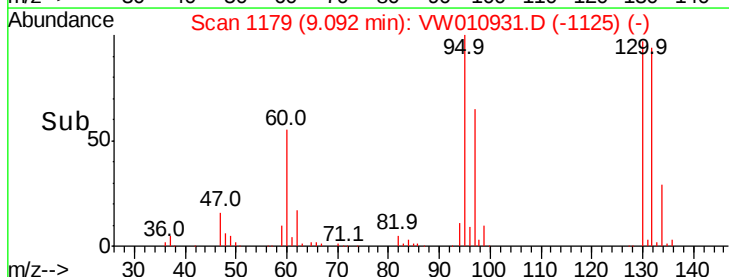


Abundance Ion 95.00 (94.70 to 95.70): VW

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



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

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

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

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

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

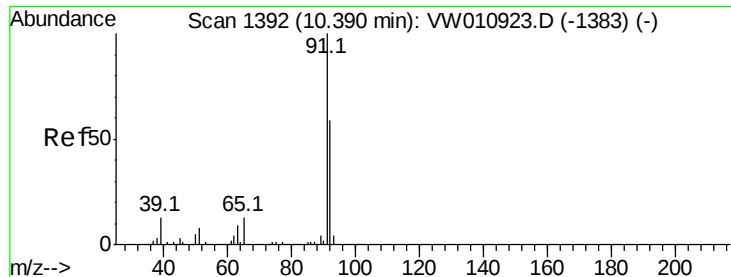
Ion 130.00 (129.70 to 130.70): V

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: 24.972 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

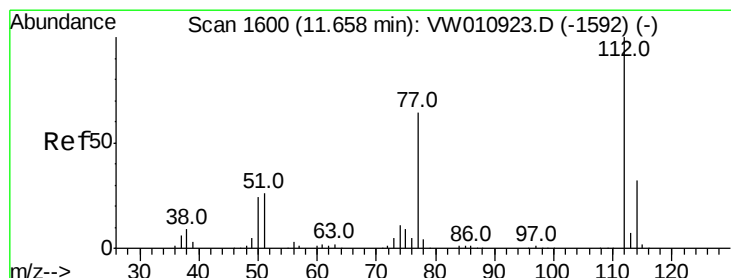
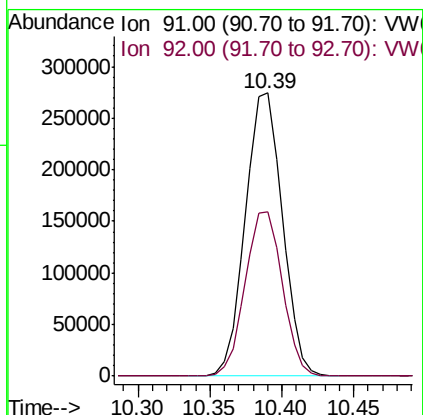
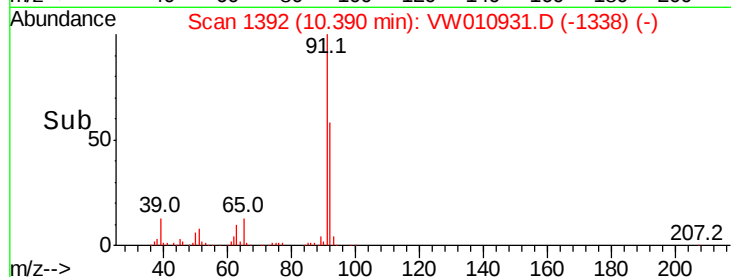
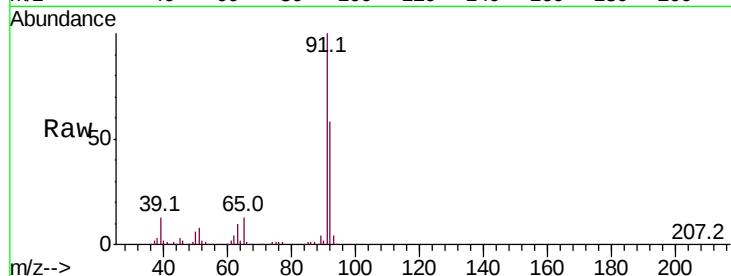
GAM07MS

Tot Ion: 91 Resp: 488781

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.4



#52

Chlorobenzene

Concen: 22.613 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010931.D

Acq: 24 Jun 2019 15:30

Tgt Ion: 112 Resp: 266345

Ion Ratio Lower Upper

112 100

77 64.7 51.1 76.7

114 31.4 22.7 42.1

