

Data File : VW010932.D
Acq On : 24 Jun 2019 15:57
Operator : SY/VA
Sample : K3497-04MSD
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAM07MSD

Quant Time: Jun 25 02:21:19 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	357148	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	280415	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	94493	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94446	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.60%
7) Chloroethane-d5	2.89	69	67419	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
10) 1,1-Dichloroethene-d2	4.03	63	225152	20.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.32%
20) 2-Butanone-d5	7.07	46	130176	59.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.76%
24) Chloroform-d	7.65	84	192504	19.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.96%
26) 1,2-Dichloroethane-d4	8.31	65	132933	22.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.04%
29) Benzene-d6	8.27	84	390360	23.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.76%
33) 1,2-Dichloropropane-d6	9.27	67	134612	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
37) Toluene-d8	10.32	98	326991	21.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.12%
38) trans-1,3-Dichloropropene-	10.58	79	55125	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.56%
39) 2-Hexanone-d5	10.93	63	91124	72.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.78%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113027	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	73869	20.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.84%

Target Compounds

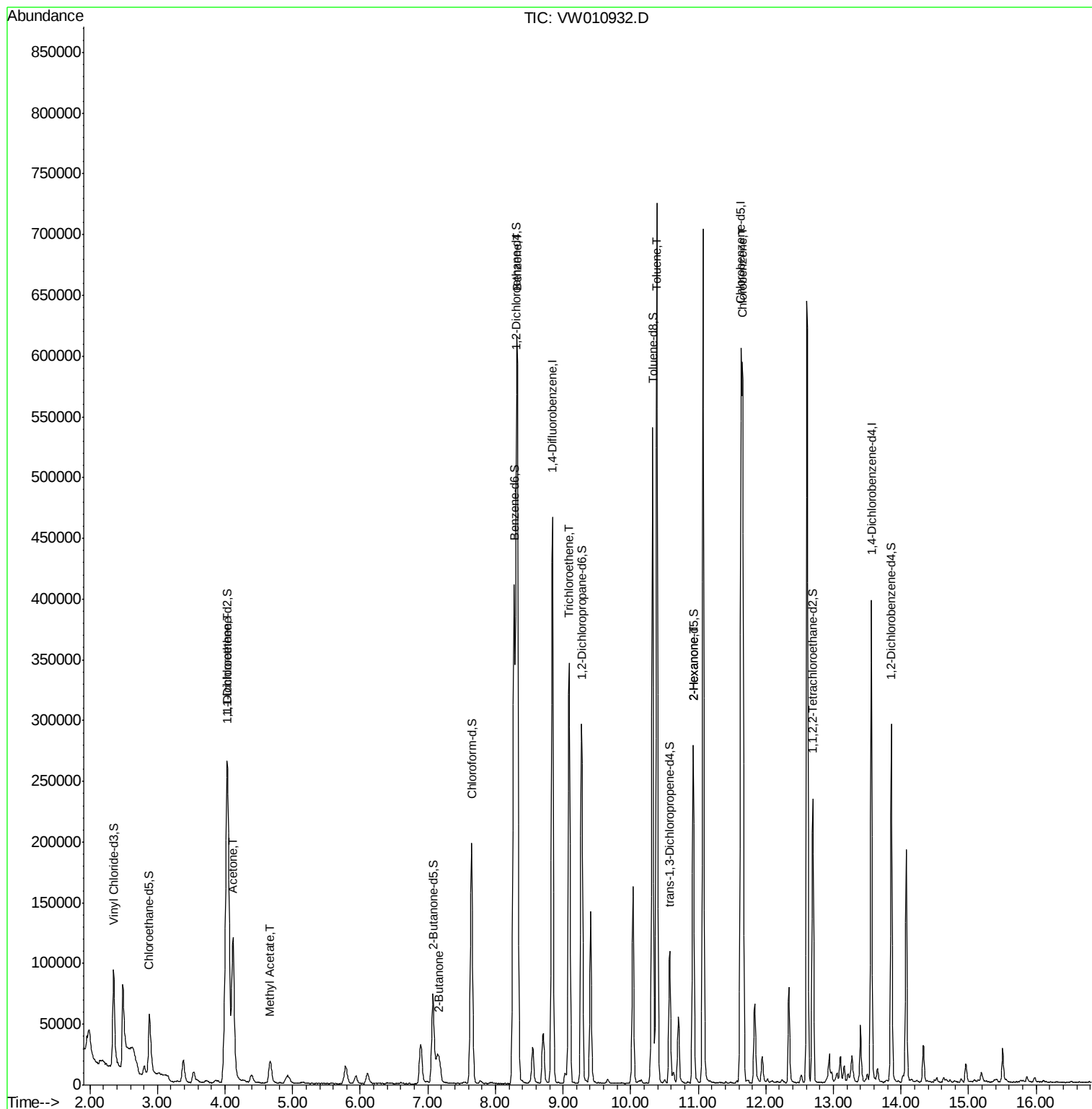
						Qvalue
12) 1,1-Dichloroethene	4.04	96	110551	22.113	ug/L	91
13) Acetone	4.12	43	202962	97.490	ug/L	98
15) Methyl Acetate	4.67	43	36231	10.054	ug/L	100
21) 2-Butanone	7.17	43	27062	9.884	ug/L	100
34) Benzene	8.32	78	497333	26.989	ug/L	100
35) Trichloroethene	9.09	95	118071	25.267	ug/L	100
44) Toluene	10.39	91	501516	26.028	ug/L	99
49) 2-Hexanone	10.92	43	11469	3.425	ug/L #	69
52) Chlorobenzene	11.66	112	264607	22.821	ug/L	99

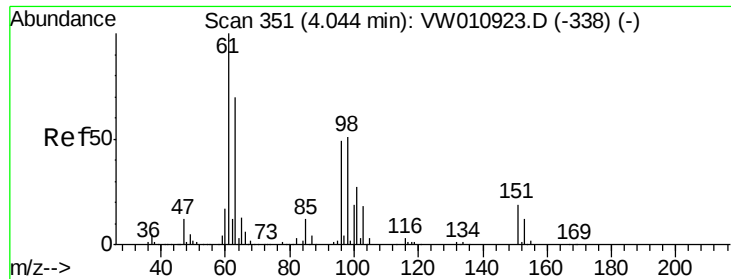
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 22.113 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW010932.D

Acq: 24 Jun 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

GAM07MSD

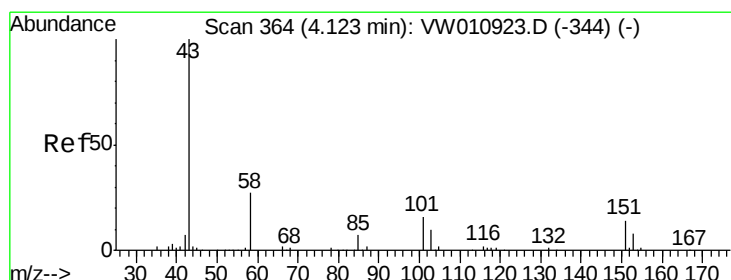
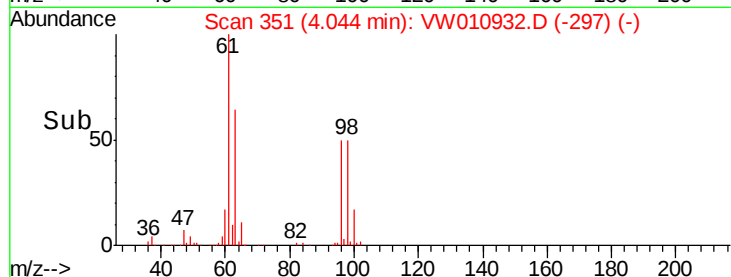
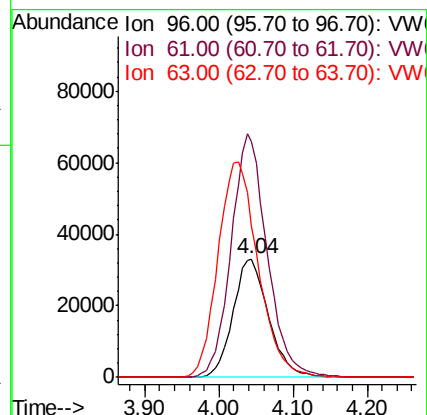
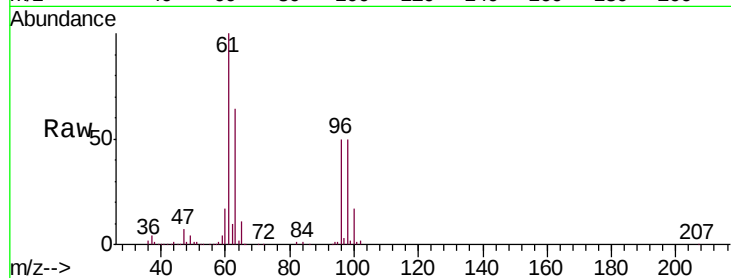
Tgt Ion: 96 Resp: 110551

Ion Ratio Lower Upper

96 100

61 199.0 144.5 268.3

63 128.0 102.3 189.9



#13

Acetone

Concen: 97.490 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010932.D

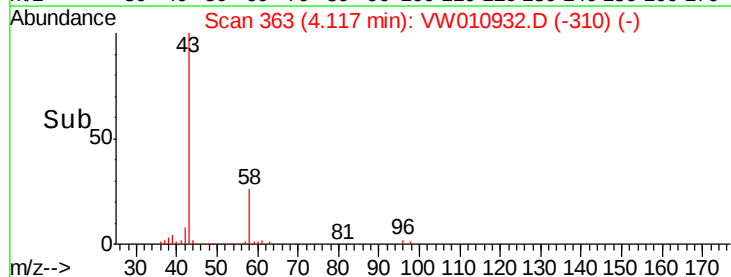
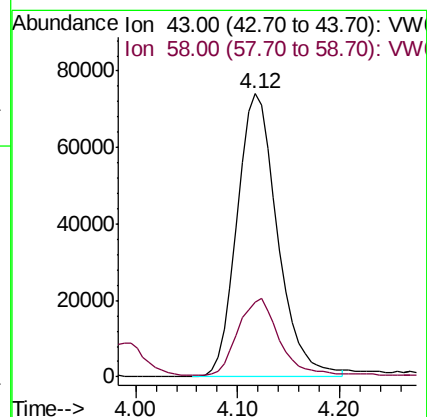
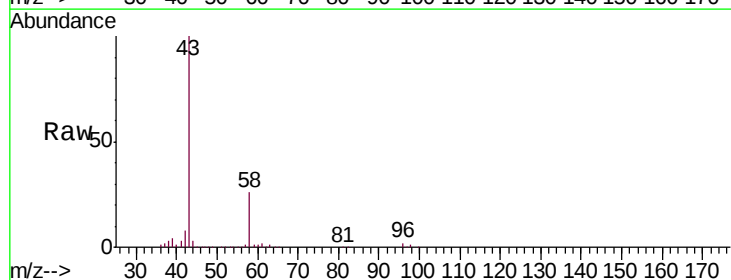
Acq: 24 Jun 2019 15:57

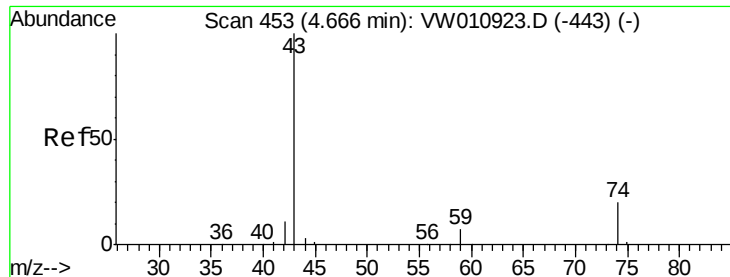
Tgt Ion: 43 Resp: 202962

Ion Ratio Lower Upper

43 100

58 27.4 0.0 53.2

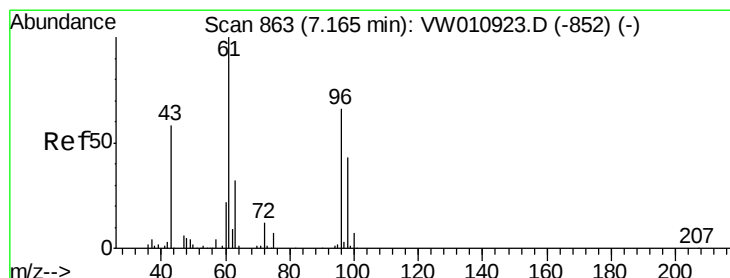
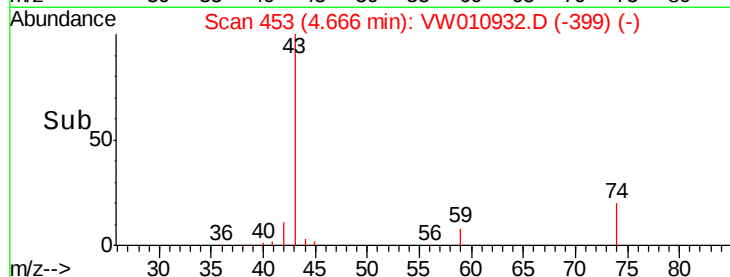
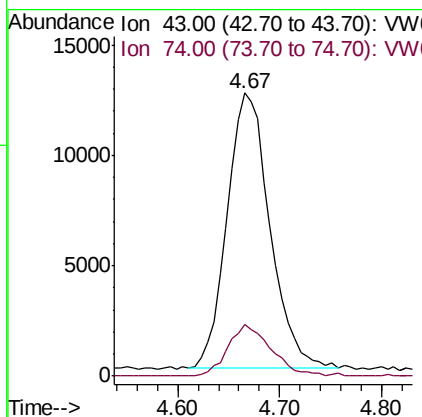
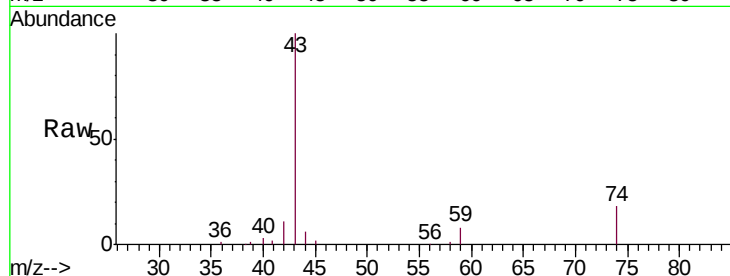




#15
Methyl Acetate
Concen: 10.054 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010932.D
Acq: 24 Jun 2019 15:57

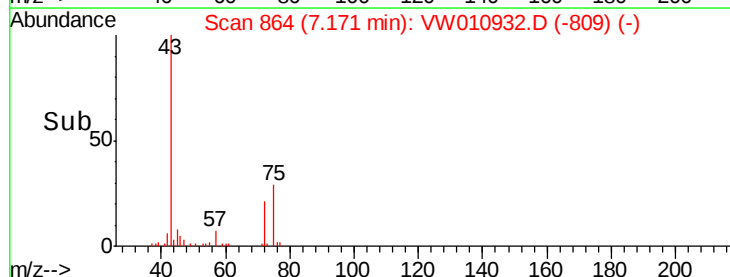
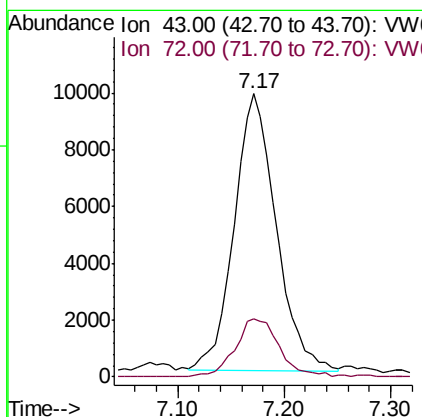
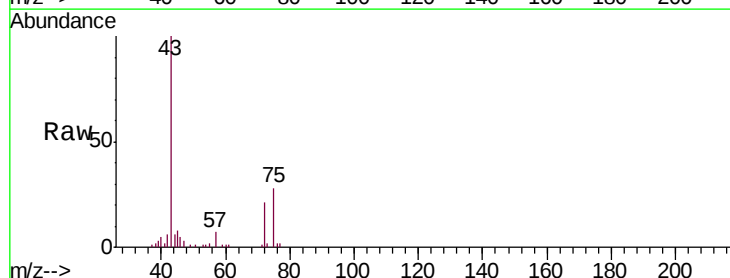
Instrument :
MSVOA_W
ClientSampled :
GAM07MSD

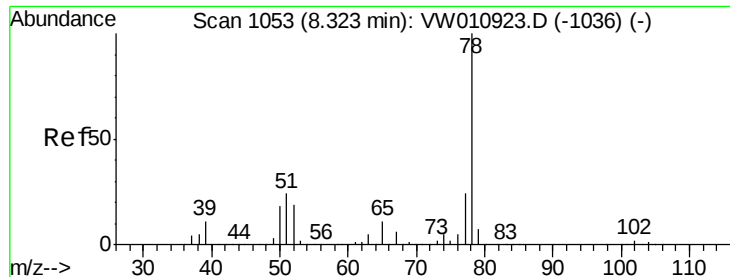
Tgt Ion: 43 Resp: 36231
Ion Ratio Lower Upper
43 100
74 18.9 15.3 22.9



#21
2-Butanone
Concen: 9.884 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010932.D
Acq: 24 Jun 2019 15:57

Tgt Ion: 43 Resp: 27062
Ion Ratio Lower Upper
43 100
72 21.7 10.9 32.6





#34

Benzene

Concen: 26.989 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010932.D

Acq: 24 Jun 2019 15:57

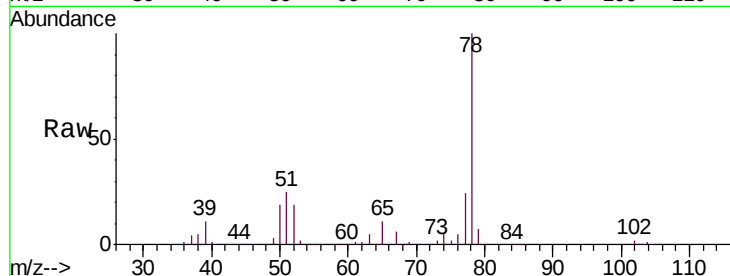
Instrument :

MSVOA_W

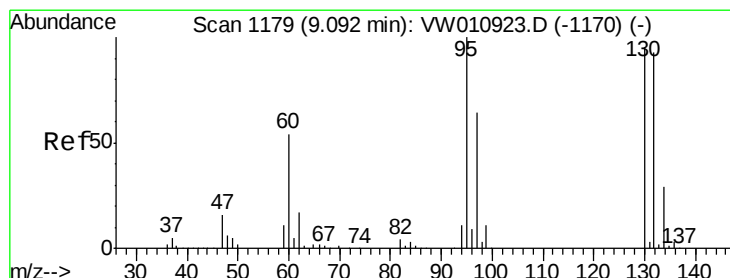
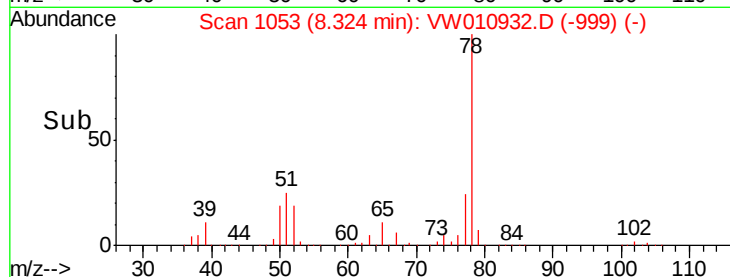
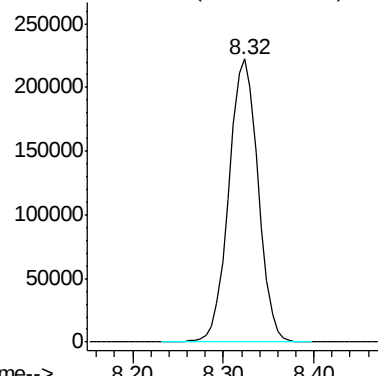
ClientSampleId :

GAM07MSD

Tgt Ion: 78 Resp: 497333



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.267 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010932.D

Acq: 24 Jun 2019 15:57

Tgt Ion: 95 Resp: 118071

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.3
132	90.9	64.0	119.0
130	95.8	67.4	125.2

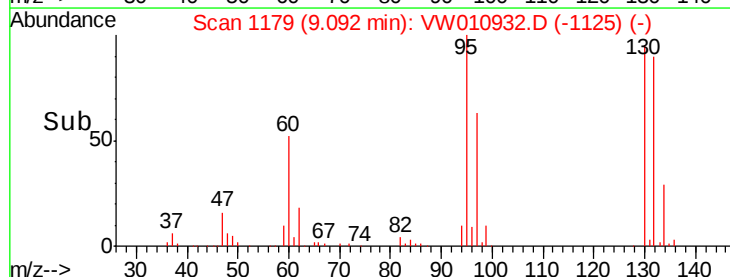
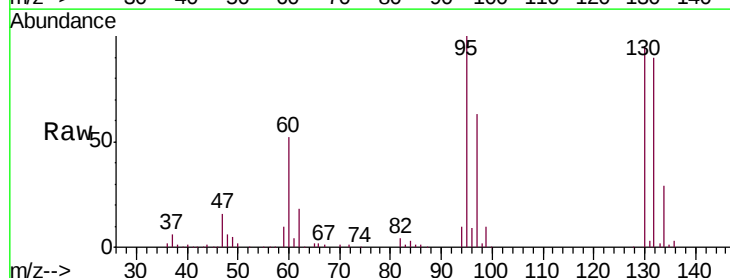
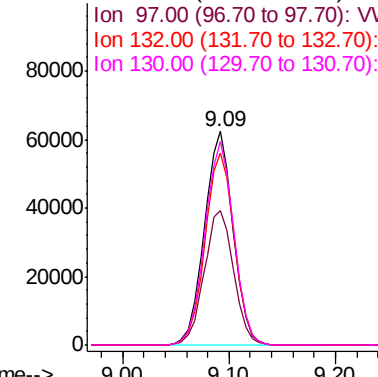
Ion 95.00 (94.70 to 95.70): VW

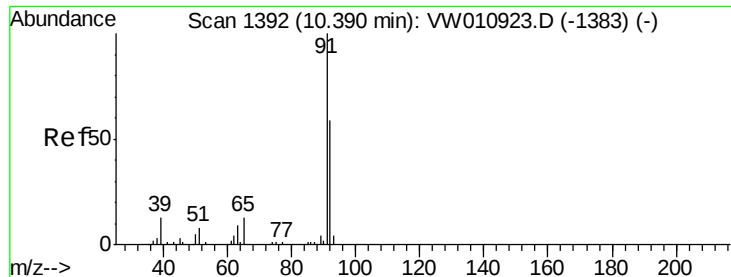
Ion 97.00 (96.70 to 97.70): VW

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





#44

Toluene

Concen: 26.028 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010932.D

Acq: 24 Jun 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

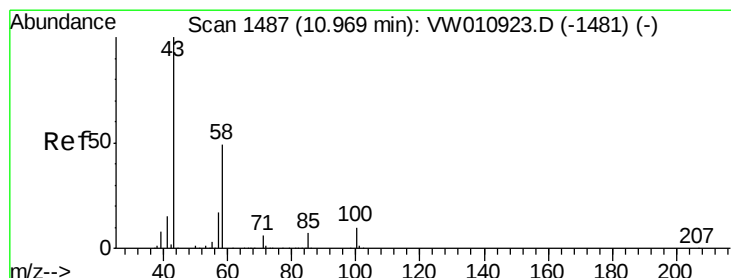
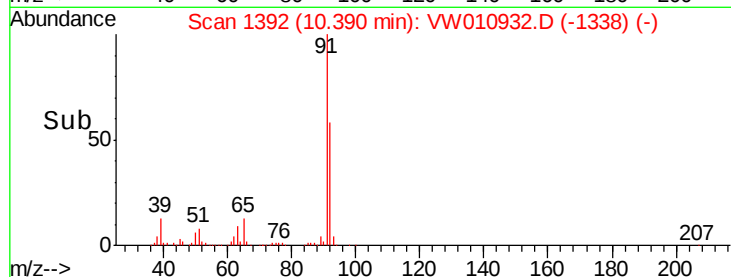
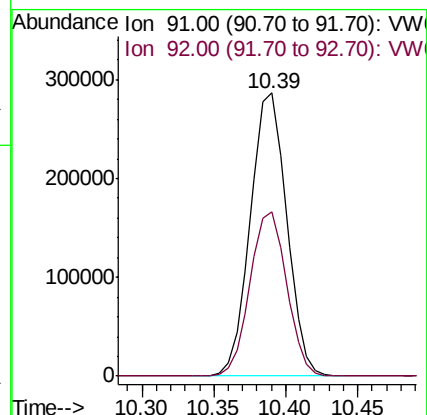
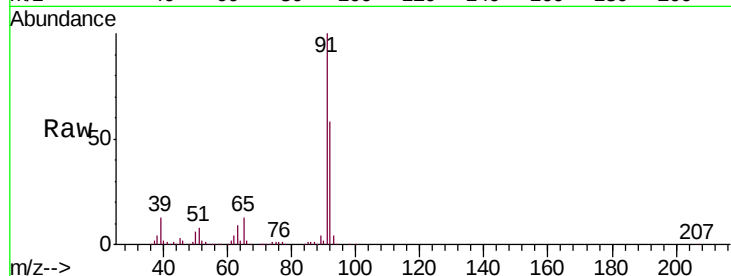
GAM07MSD

Tgt Ion: 91 Resp: 501516

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.4



#49

2-Hexanone

Concen: 3.425 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW010932.D

Acq: 24 Jun 2019 15:57

Tgt Ion: 43 Resp: 11469

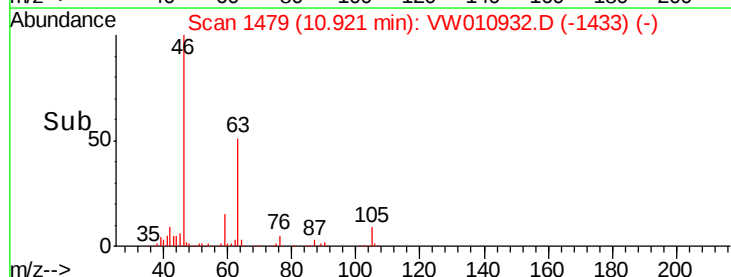
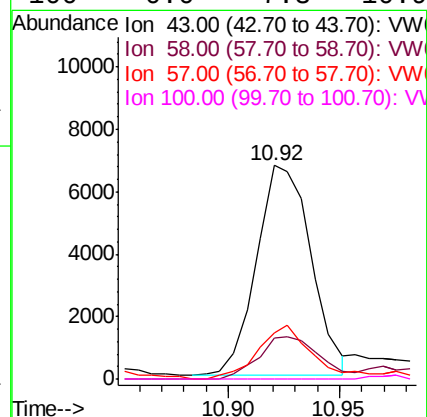
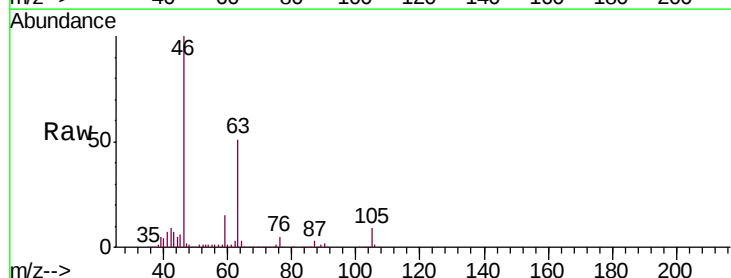
Ion Ratio Lower Upper

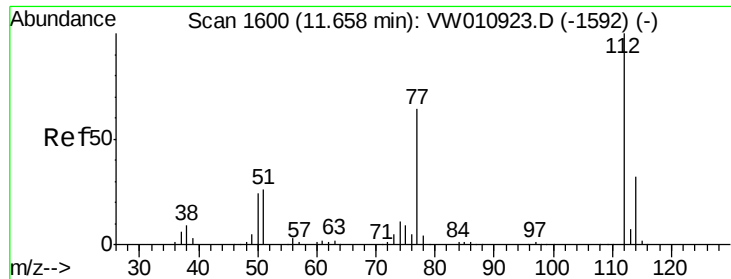
43 100

58 22.6 38.3 57.5#

57 23.9 13.8 20.8#

100 0.0 7.3 10.9#





#52
 Chlorobenzene
 Concen: 22.821 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010932.D
 Acq: 24 Jun 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 GAM07MSD

Tgt Ion:112 Resp: 264607
 Ion Ratio Lower Upper
 112 100
 77 64.7 51.1 76.7
 114 32.1 22.7 42.1

