

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015923.D
 Acq On : 23 Jul 2020 15:52
 Operator : SY/VA
 Sample : L3395-02MS
 Misc : 6.28G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY13MS

Quant Time: Jul 24 07:38:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 06:59:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	377016	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346800	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136095	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118531	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.12%
7) Chloroethane-d5	2.90	69	91380	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.60%
10) 1,1-Dichloroethene-d2	4.02	63	230384	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.68%
20) 2-Butanone-d5	7.09	46	103388	73.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.96%#
24) Chloroform-d	7.65	84	224075	21.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.64%
26) 1,2-Dichloroethane-d4	8.31	65	144601	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.52%
29) Benzene-d6	8.28	84	438920	20.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.16%
33) 1,2-Dichloropropane-d6	9.28	67	139063	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.88%
37) Toluene-d8	10.33	98	394041	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.44%
38) trans-1,3-Dichloropropene-	10.58	79	62490	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.93	63	78937	74.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.82%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149456	30.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.88%#
61) 1,2-Dichlorobenzene-d4	13.86	152	121166	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

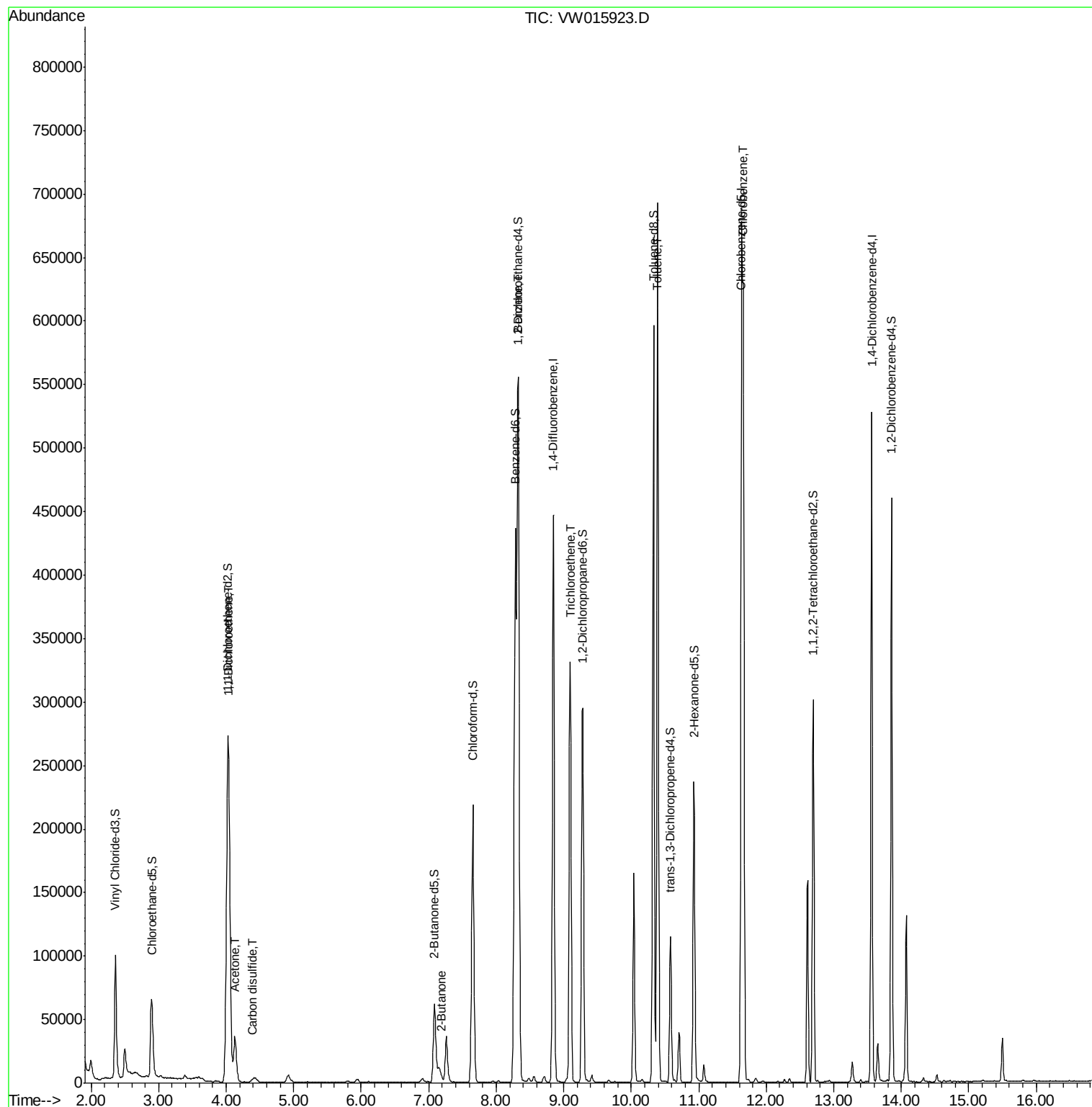
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	104103	21.480	ug/L	90
13) Acetone	4.13	43	61487	52.394	ug/L	97
14) Carbon disulfide	4.39	76	3902	0.255	ug/L	96
21) 2-Butanone	7.20	43	5270	3.631	ug/L #	72
34) Benzene	8.33	78	470762	22.350	ug/L	100
35) Trichloroethene	9.10	95	120856	21.690	ug/L	99
44) Toluene	10.39	91	499523	22.612	ug/L	100
52) Chlorobenzene	11.66	112	302013	21.335	ug/L	95

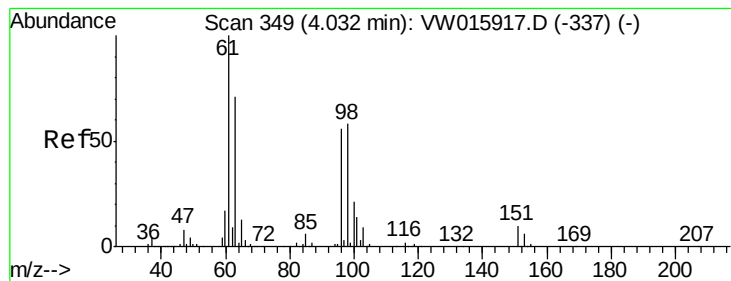
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 21.480 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

Instrument :

MSVOA_W

ClientSampled :

GAY13MS

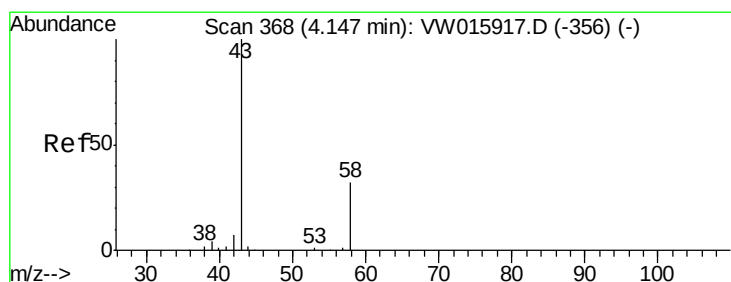
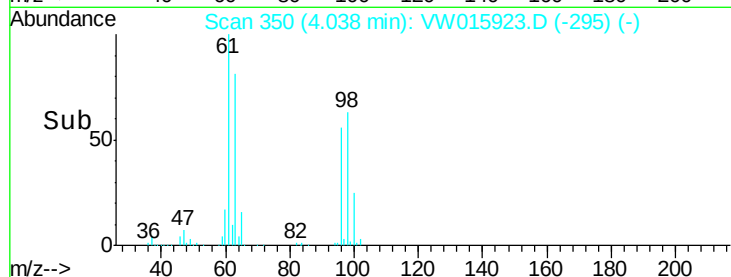
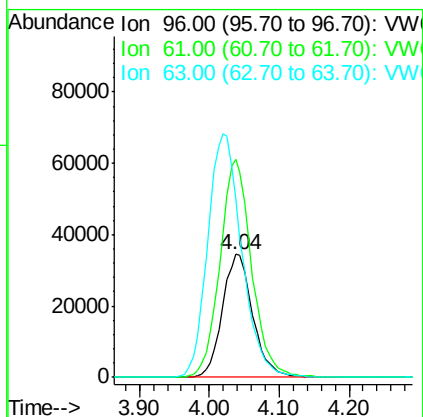
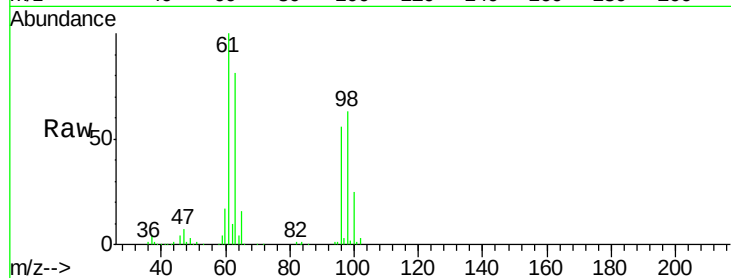
Tgt Ion: 96 Resp: 104103

Ion Ratio Lower Upper

96 100

61 178.0 125.0 232.2

63 145.0 82.3 152.8



#13

Acetone

Concen: 52.394 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW015923.D

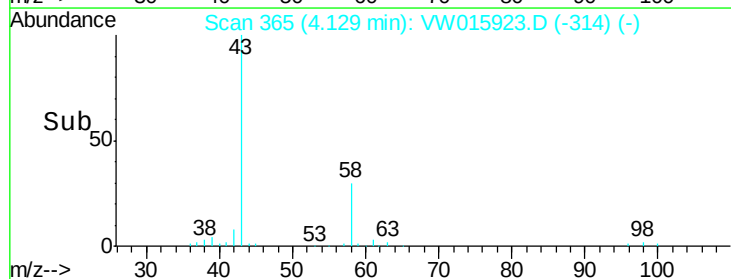
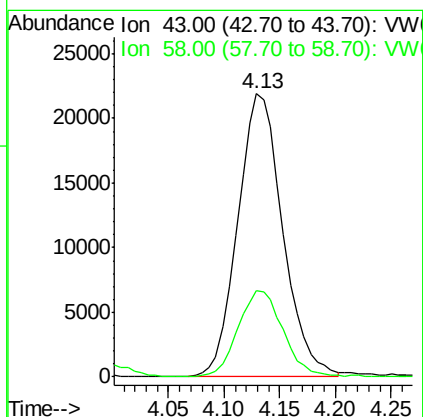
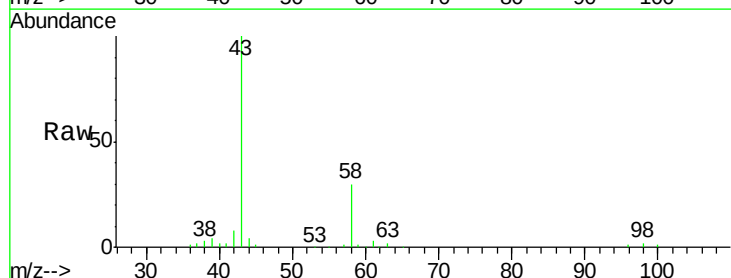
Acq: 23 Jul 2020 15:52

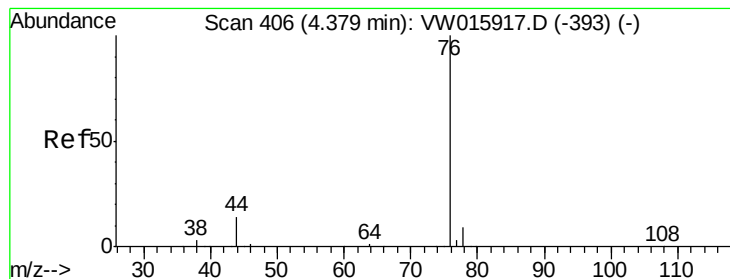
Tgt Ion: 43 Resp: 61487

Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.2





#14

Carbon disulfide

Concen: 0.255 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

Instrument :

MSVOA_W

ClientSampled :

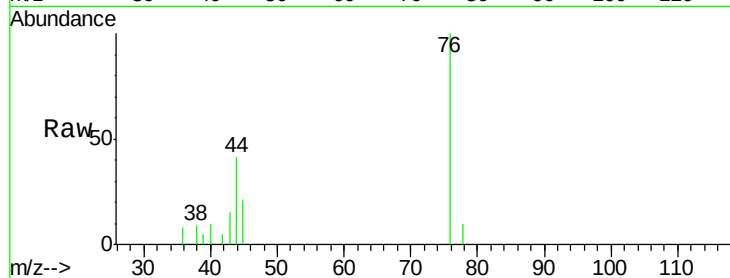
GAY13MS

Tgt Ion: 76 Resp: 3902

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

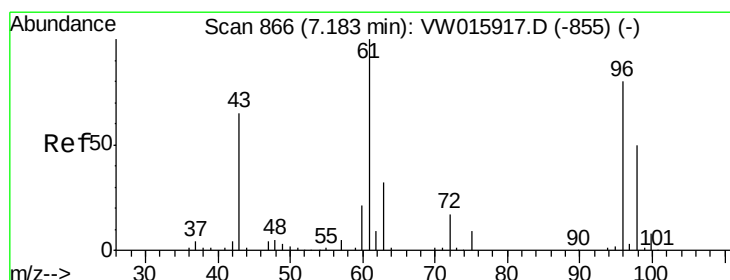
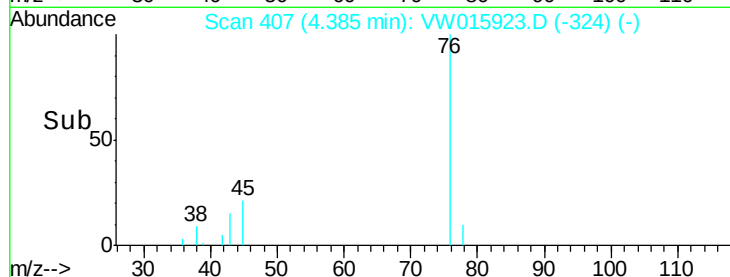
1500

1000

500

0

Time-->



#21

2-Butanone

Concen: 3.631 ug/L

RT: 7.20 min Scan# 868

Delta R.T. 0.01 min

Lab File: VW015923.D

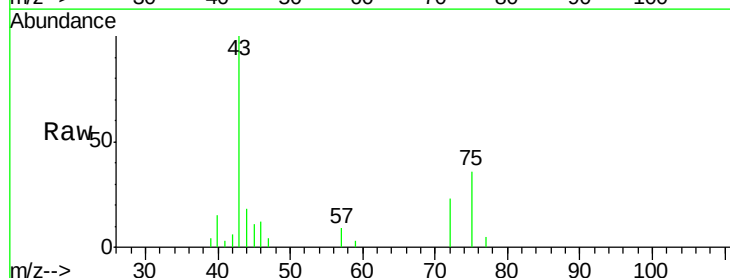
Acq: 23 Jul 2020 15:52

Tgt Ion: 43 Resp: 5270

Ion Ratio Lower Upper

43 100

72 13.4 13.9 41.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

25000

20000

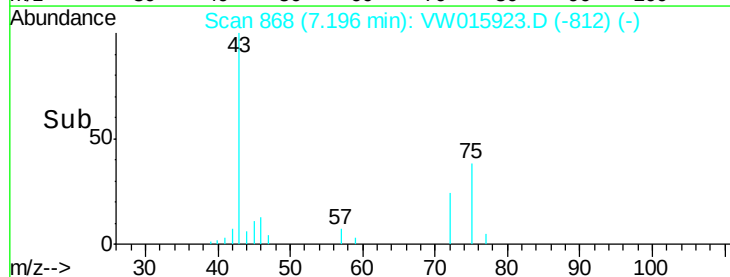
15000

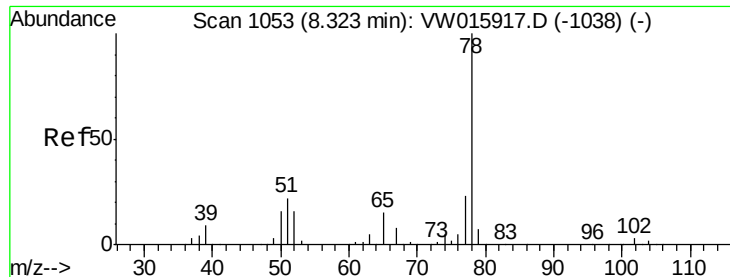
10000

5000

0

Time-->





#34

Benzene

Concen: 22.350 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

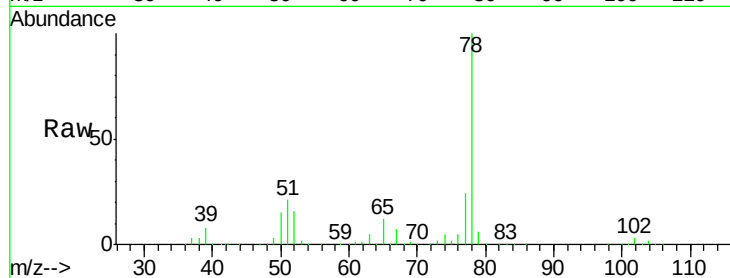
Instrument :

MSVOA_W

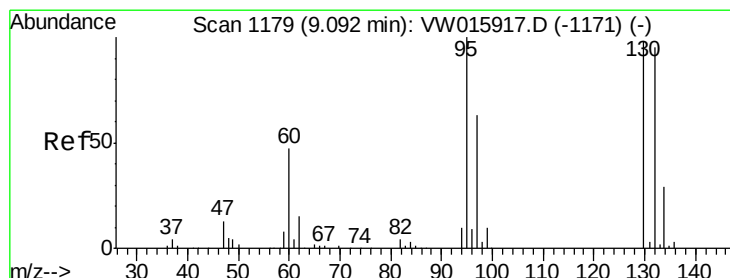
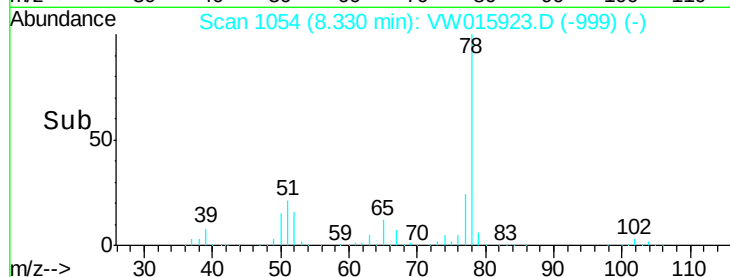
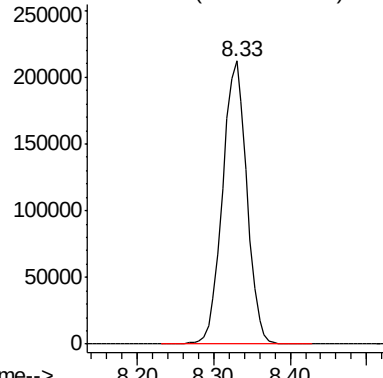
ClientSampleId :

GAY13MS

Tgt Ion: 78 Resp: 470762



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 21.690 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

Tgt Ion: 95 Resp: 120856

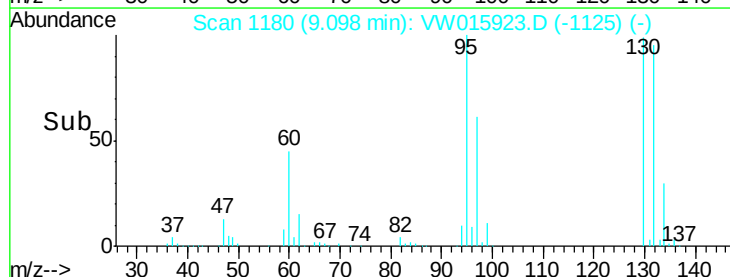
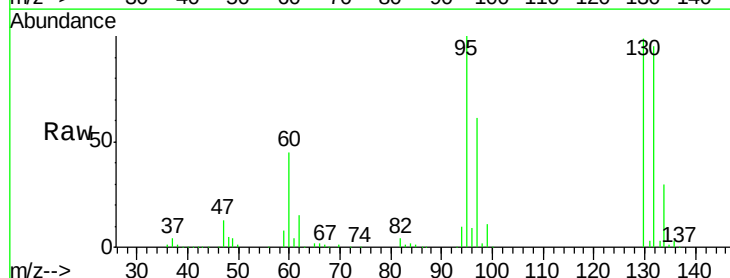
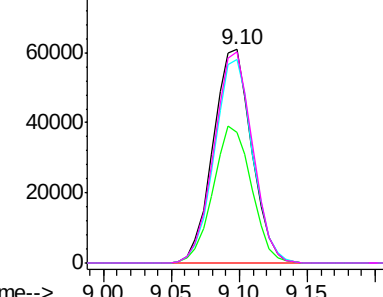
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	94.7	65.1	120.9
130	98.8	68.6	127.4

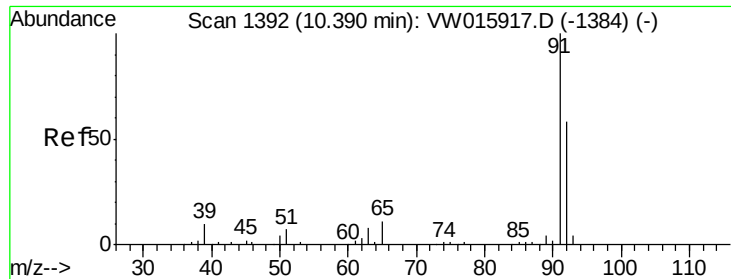
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.612 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

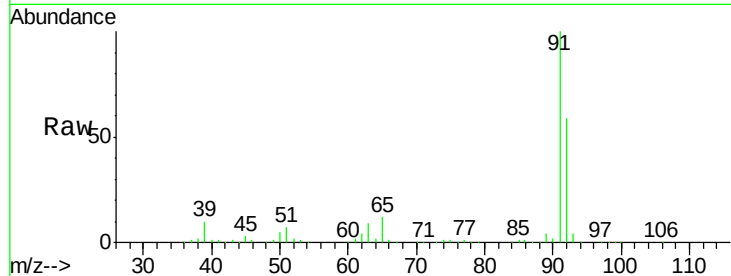
GAY13MS

Tgt Ion: 91 Resp: 499523

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

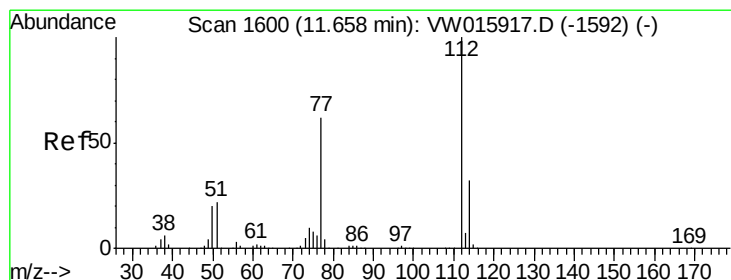
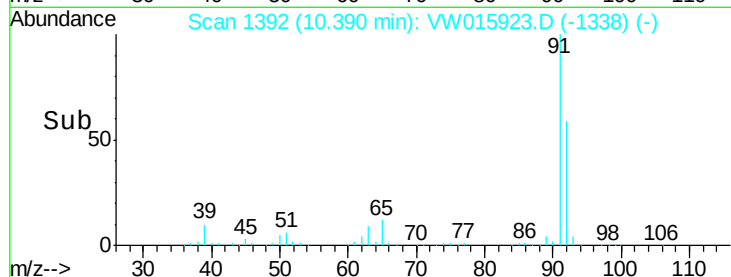
300000

200000

100000

0

Time-->



#52

Chlorobenzene

Concen: 21.335 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015923.D

Acq: 23 Jul 2020 15:52

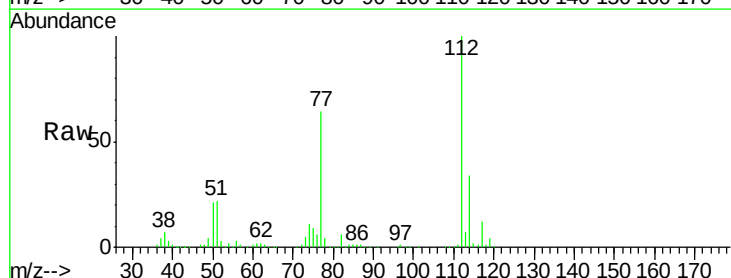
Tgt Ion: 112 Resp: 302013

Ion Ratio Lower Upper

112 100

77 63.6 47.8 71.6

114 33.6 22.1 41.1



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

11.66

200000

150000

100000

50000

0

Time-->

