

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015967.D
 Acq On : 27 Jul 2020 14:23
 Operator : SY/VA
 Sample : L3458-09MS
 Misc : 6.01G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MS

Quant Time: Jul 28 02:27:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 01:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	399908	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373316	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176454	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94814	16.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.20%
7) Chloroethane-d5	2.89	69	86745	18.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.72%
10) 1,1-Dichloroethene-d2	4.02	63	229985	20.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.64%
20) 2-Butanone-d5	7.09	46	132149	89.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	178.30%#
24) Chloroform-d	7.65	84	230082	20.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.96%
26) 1,2-Dichloroethane-d4	8.31	65	148172	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	455728	20.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.24%
33) 1,2-Dichloropropane-d6	9.27	67	147726	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.76%
37) Toluene-d8	10.33	98	403823	19.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.48%
38) trans-1,3-Dichloropropene-	10.58	79	64820	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.28%
39) 2-Hexanone-d5	10.93	63	105403	92.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	185.84%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	175728	33.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	134.24%#
61) 1,2-Dichlorobenzene-d4	13.85	152	149532	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

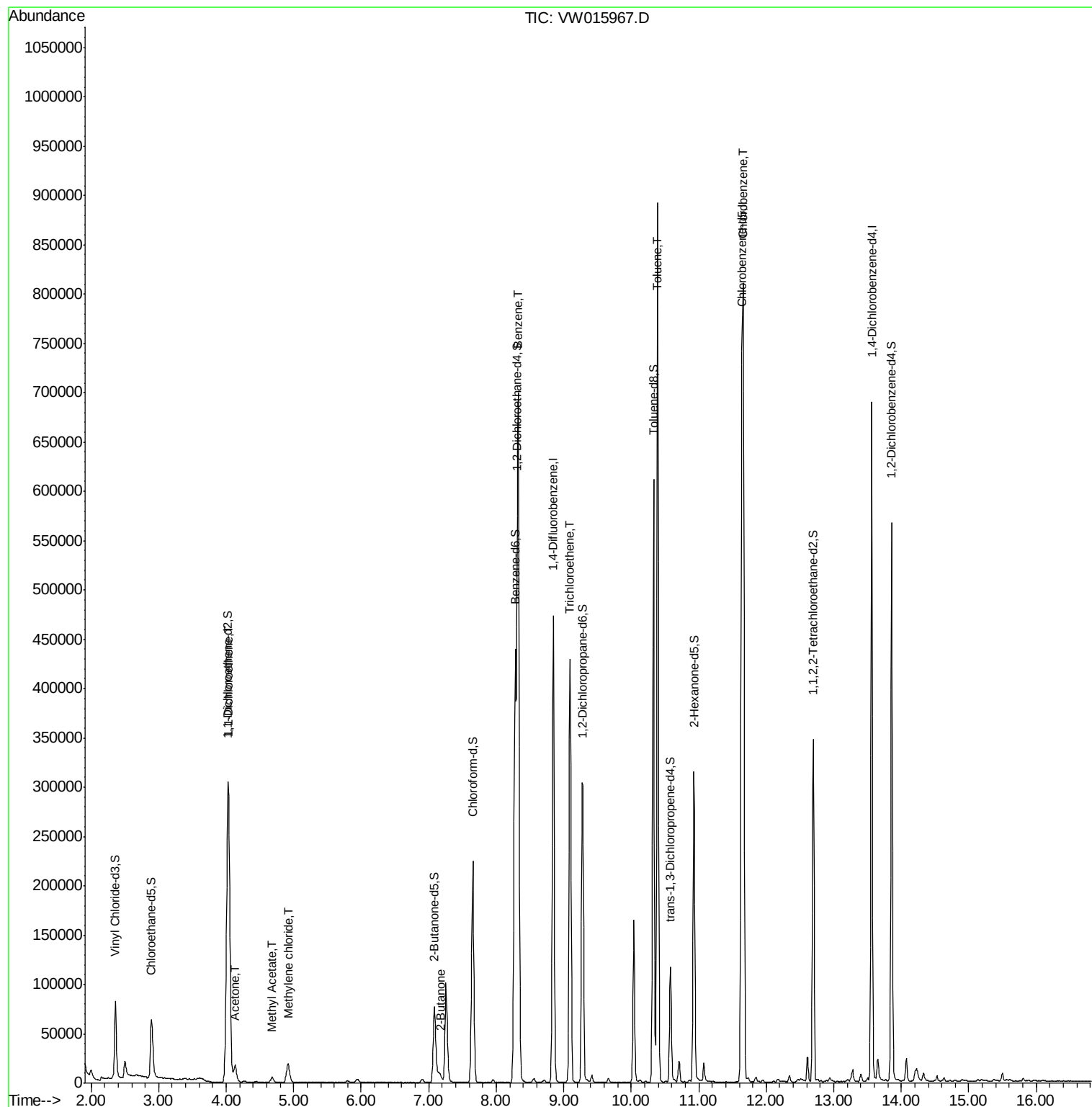
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	129150	25.123	ug/L	91
13) Acetone	4.14	43	28565	22.947	ug/L	97
15) Methyl Acetate	4.68	43	10553	4.496	ug/L	98
16) Methylene chloride	4.92	84	15708	2.397	ug/L	93
21) 2-Butanone	7.18	43	4349	2.825	ug/L	90
34) Benzene	8.32	78	605018	26.684	ug/L	100
35) Trichloroethene	9.09	95	152495	25.425	ug/L	97
44) Toluene	10.39	91	639341	26.885	ug/L	98
52) Chlorobenzene	11.66	112	398761	26.169	ug/L	97

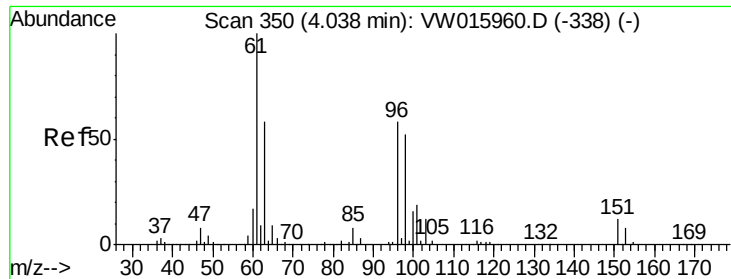
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 28 01:36:11 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 25.123 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015967.D

Acq: 27 Jul 2020 14:23

Instrument :

MSVOA_W

ClientSampleId :

GAY36MS

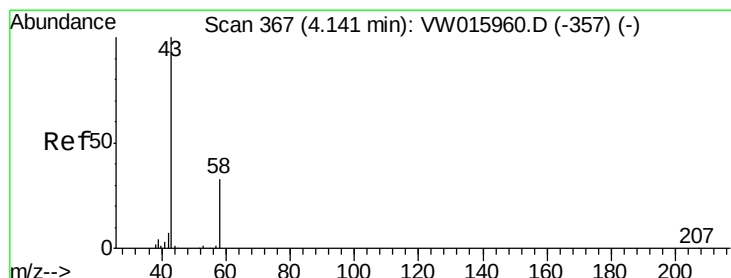
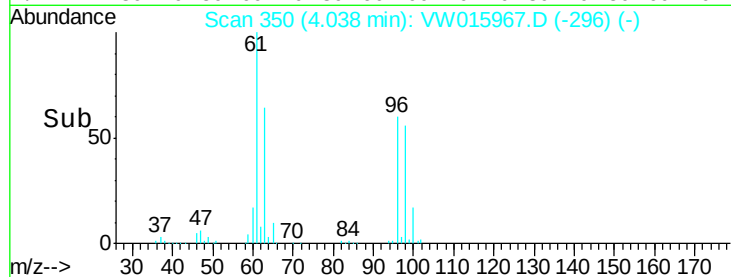
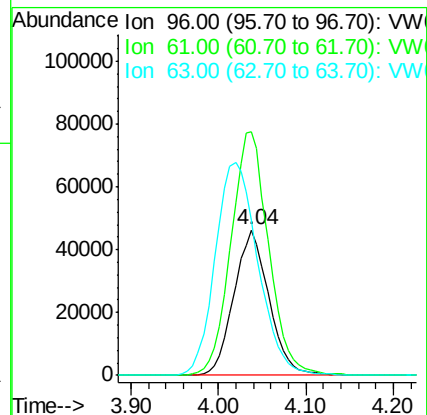
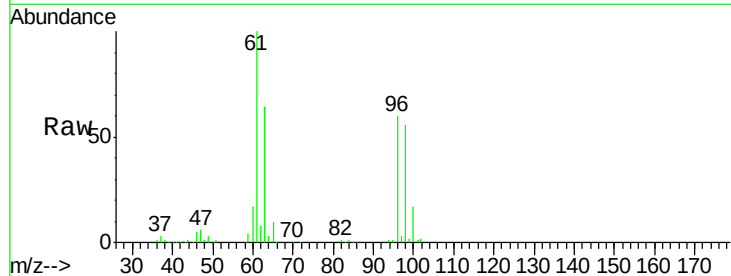
Tot Ion: 96 Resp: 129150

Ion Ratio Lower Upper

96 100

61 167.7 125.0 232.2

63 106.8 82.3 152.8



#13

Acetone

Concen: 22.947 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW015967.D

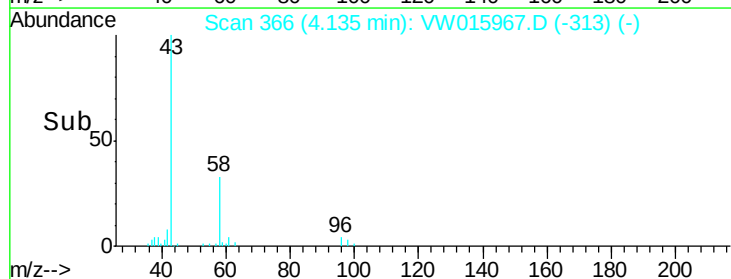
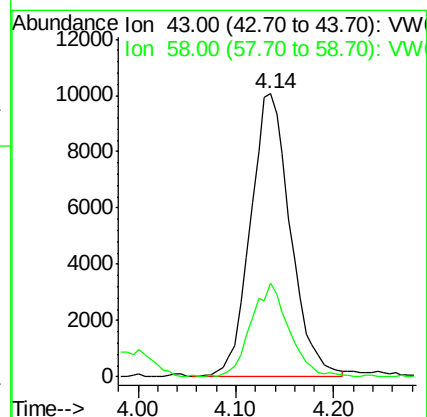
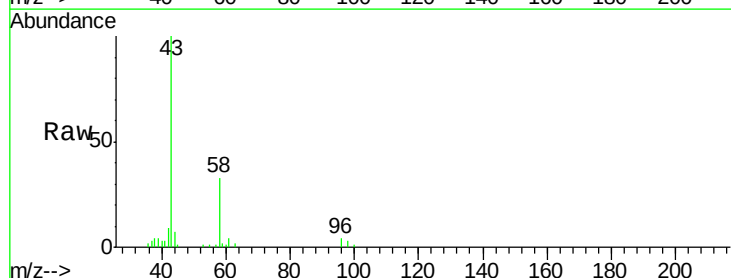
Acq: 27 Jul 2020 14:23

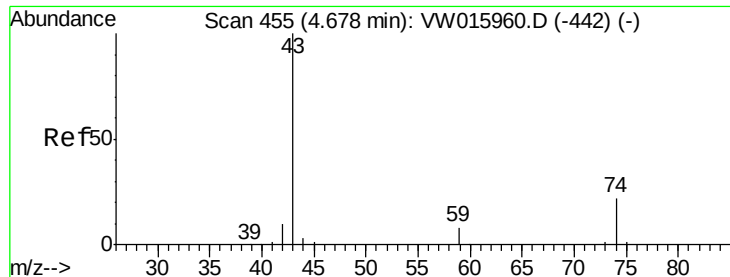
Tgt Ion: 43 Resp: 28565

Ion Ratio Lower Upper

43 100

58 30.9 0.0 58.2





#15

Methyl Acetate

Concen: 4.496 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015967.D

Acq: 27 Jul 2020 14:23

Instrument :

MSVOA_W

ClientSampled :

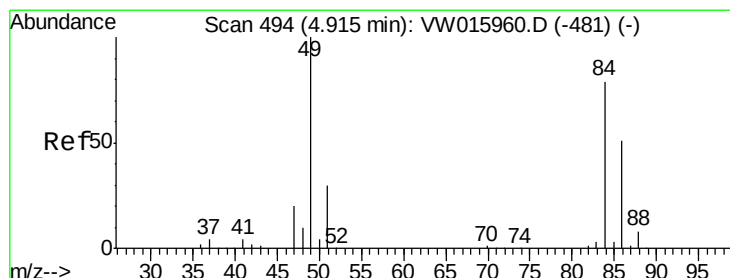
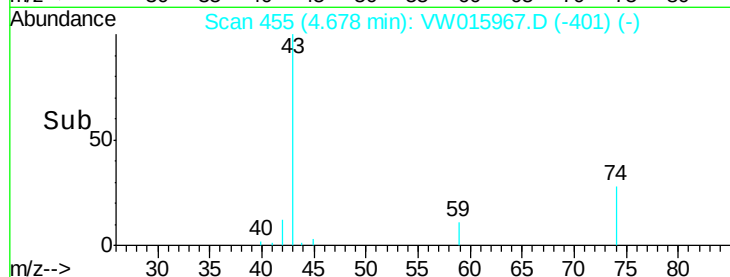
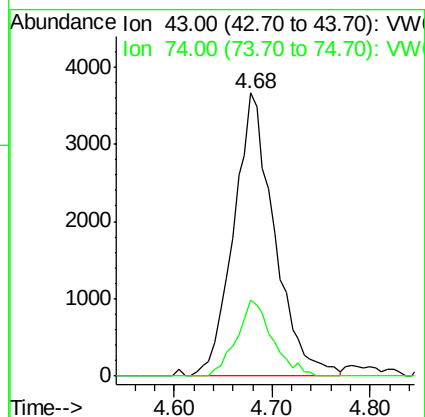
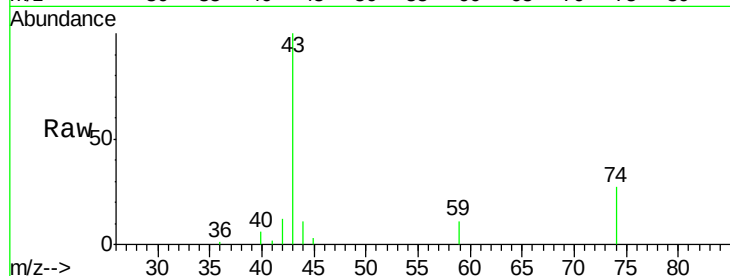
GAY36MS

Tot Ion: 43 Resp: 10553

Ion Ratio Lower Upper

43 100

74 23.6 18.2 27.2



#16

Methylene chloride

Concen: 2.397 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015967.D

Acq: 27 Jul 2020 14:23

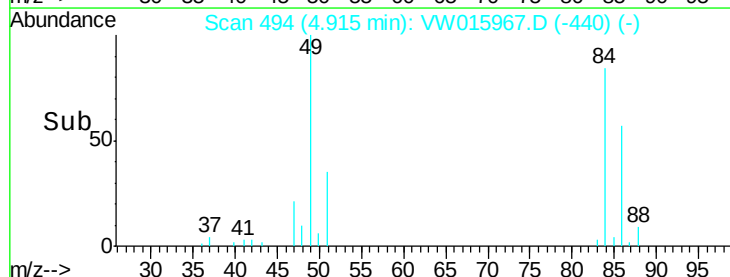
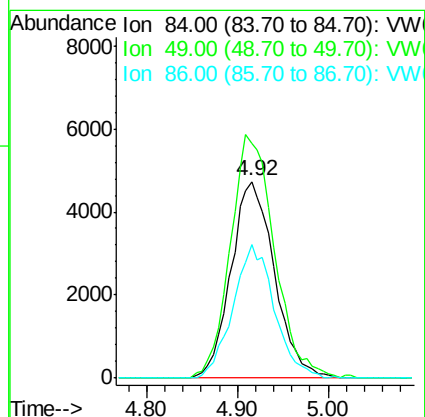
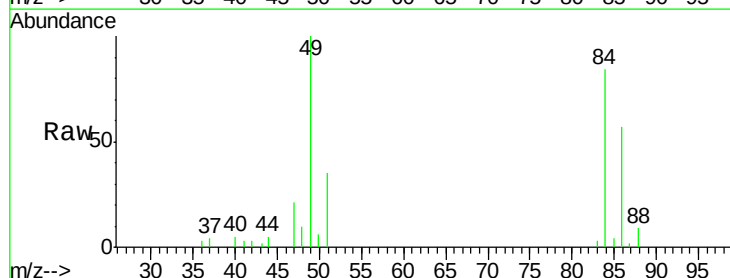
Tgt Ion: 84 Resp: 15708

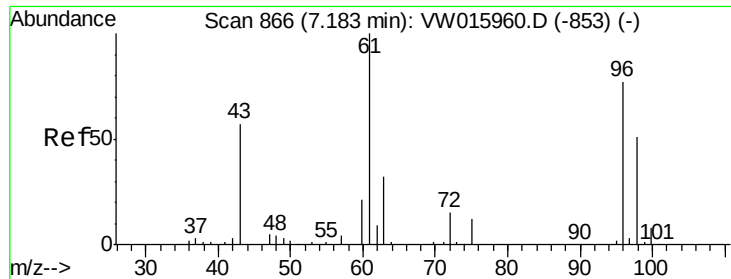
Ion Ratio Lower Upper

84 100

49 119.4 91.1 169.1

86 67.8 46.0 85.4





#21

2-Butanone

Concen: 2.825 ug/L

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW015967.D

Acq: 27 Jul 2020 14:23

Instrument :

MSVOA_W

ClientSampleId :

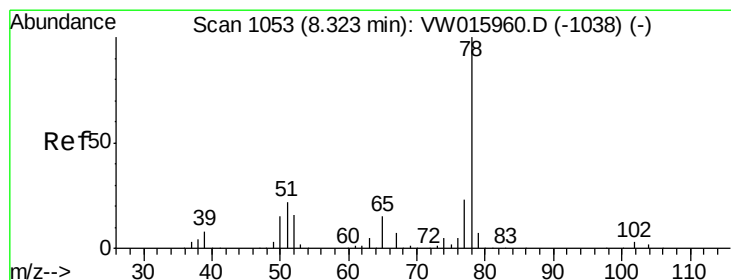
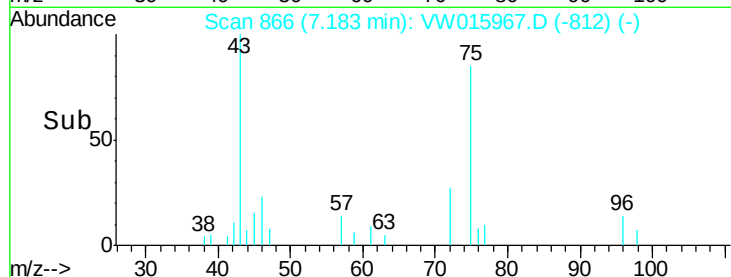
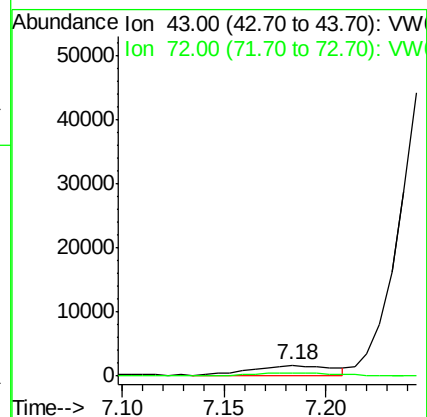
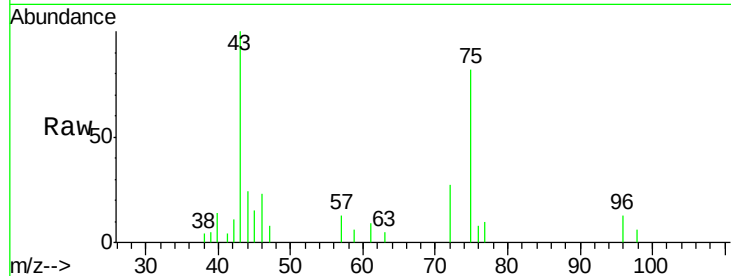
GAY36MS

Tot Ion: 43 Resp: 4349

Ion Ratio Lower Upper

43 100

72 33.1 13.9 41.7



#34

Benzene

Concen: 26.684 ug/L

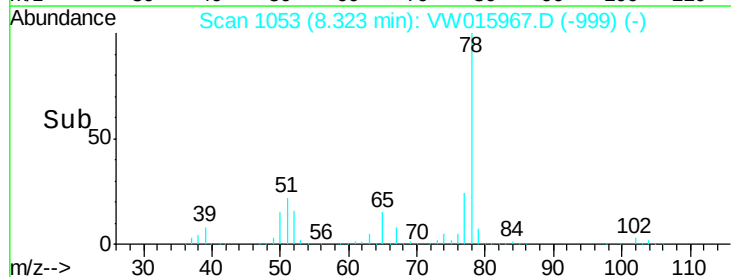
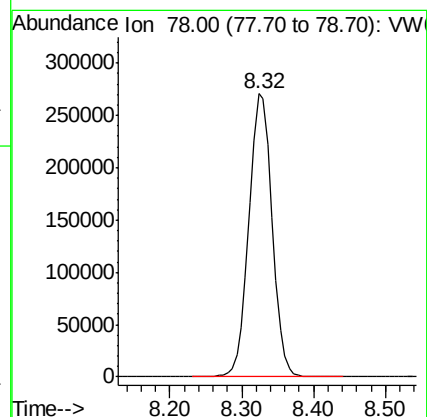
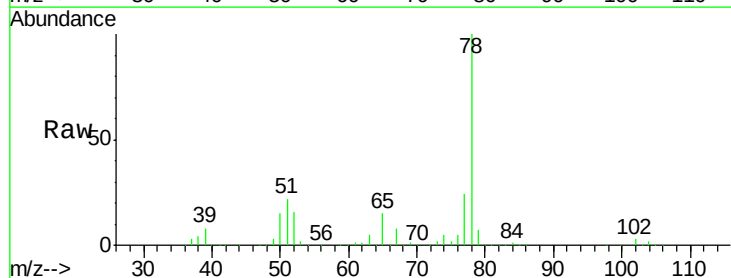
RT: 8.32 min Scan# 1053

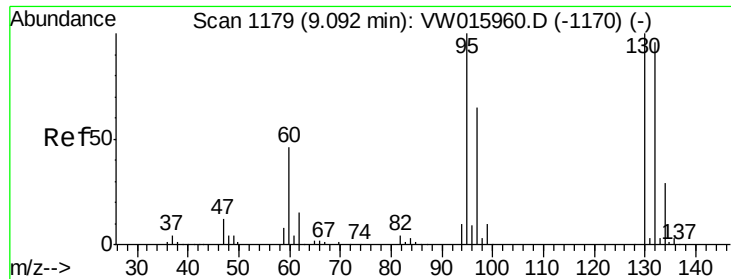
Delta R.T. -0.00 min

Lab File: VW015967.D

Acq: 27 Jul 2020 14:23

Tgt Ion: 78 Resp: 605018

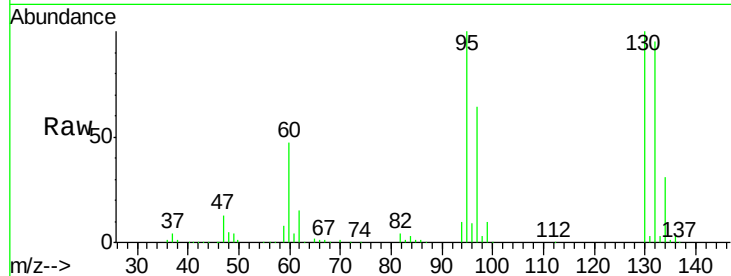




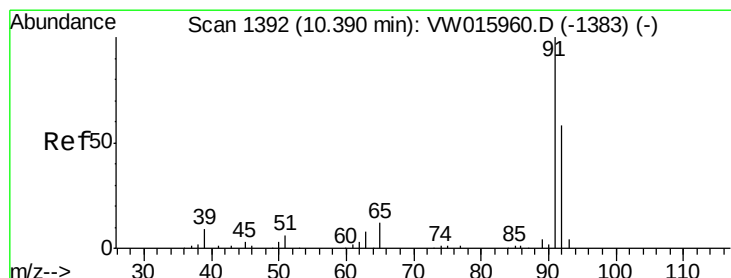
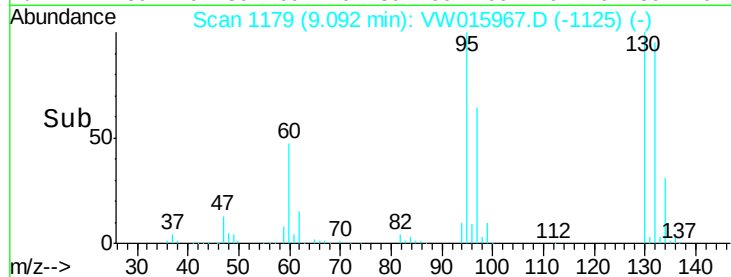
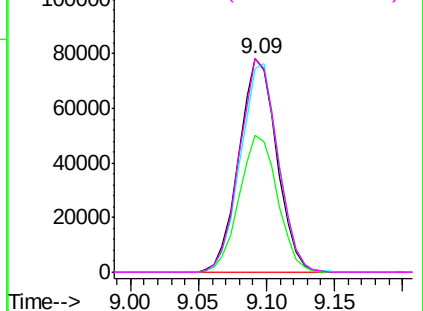
#35
 Trichloroethene
 Concen: 25.425 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015967.D
 Acq: 27 Jul 2020 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MS

Tot Ion:	95	Resp:	152495
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.4
132	97.9	65.1	120.9
130	100.7	68.6	127.4

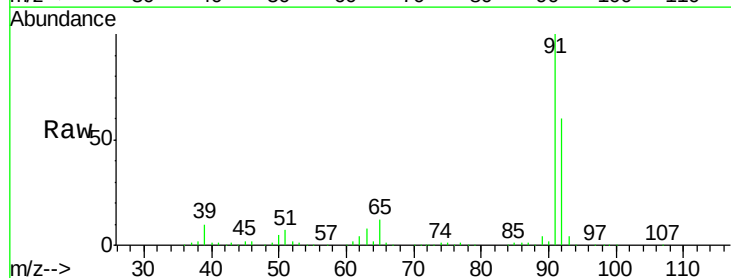


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

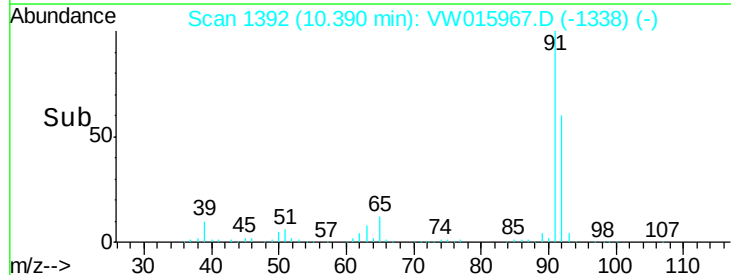
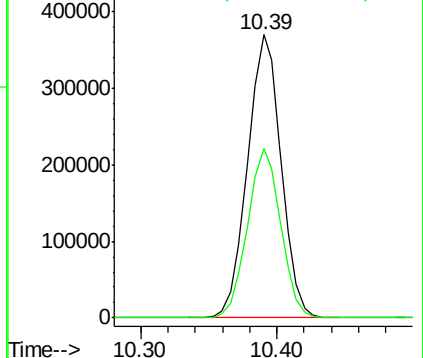


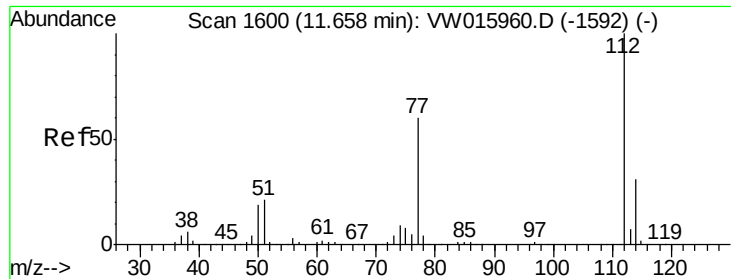
#44
 Toluene
 Concen: 26.885 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW015967.D
 Acq: 27 Jul 2020 14:23

Tgt Ion:	91	Resp:	639341
Ion	Ratio	Lower	Upper
91	100		
92	60.0	41.2	76.4



Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 92.00 (91.70 to 92.70): VW





#52
 Chlorobenzene
 Concen: 26.169 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015967.D
 Acq: 27 Jul 2020 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MS

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.0	47.8	71.6
114	32.7	22.1	41.1

