

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015968.D
 Acq On : 27 Jul 2020 14:46
 Operator : SY/VA
 Sample : L3458-10MSD
 Misc : 5.52G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MSD

Quant Time: Jul 28 02:31:59 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	304627	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	280972	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	120143	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75505	17.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.28%
7) Chloroethane-d5	2.90	69	66847	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.60%
10) 1,1-Dichloroethene-d2	4.03	63	180570	20.78	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.12%
20) 2-Butanone-d5	7.09	46	121153	107.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	214.60%#
24) Chloroform-d	7.65	84	177122	20.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	8.31	65	111749	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	8.28	84	349314	20.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.68%
33) 1,2-Dichloropropane-d6	9.28	67	112027	21.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.40%
37) Toluene-d8	10.33	98	306237	19.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.08%
38) trans-1,3-Dichloropropene-	10.58	79	48556	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.88%
39) 2-Hexanone-d5	10.93	63	90412	105.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	211.80%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140017	35.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	142.12%#
61) 1,2-Dichlorobenzene-d4	13.86	152	107310	22.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.64%

Target Compounds

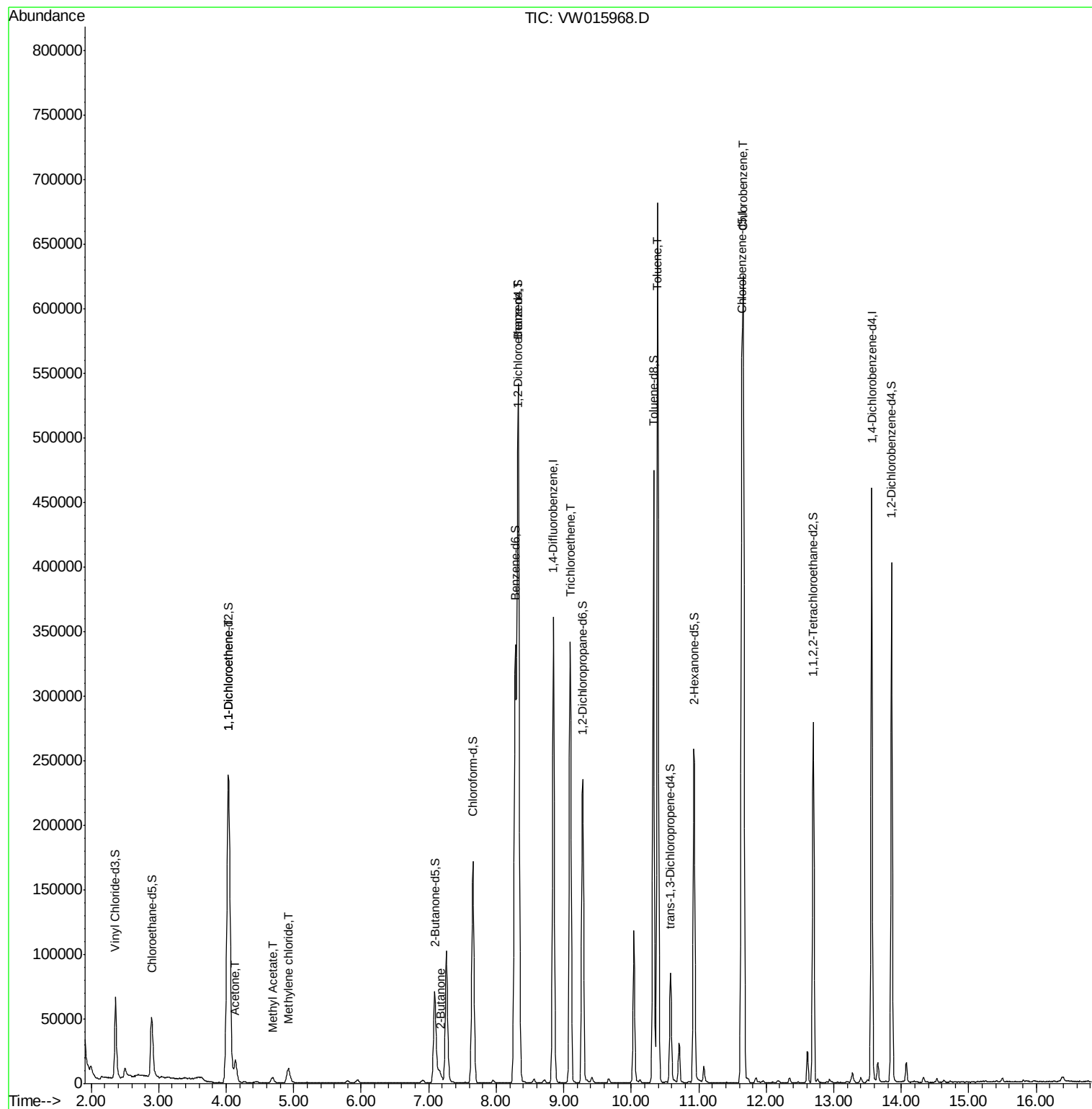
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	104511	26.689	ug/L	97
13) Acetone	4.14	43	27587	29.093	ug/L	93
15) Methyl Acetate	4.69	43	8426	4.713	ug/L	96
16) Methylene chloride	4.92	84	9567	1.917	ug/L	89
21) 2-Butanone	7.18	43	3568	3.043	ug/L	89
34) Benzene	8.33	78	475201	27.846	ug/L	100
35) Trichloroethene	9.10	95	119456	26.462	ug/L	95
44) Toluene	10.39	91	497434	27.792	ug/L	95
52) Chlorobenzene	11.66	112	309315	26.970	ug/L	97

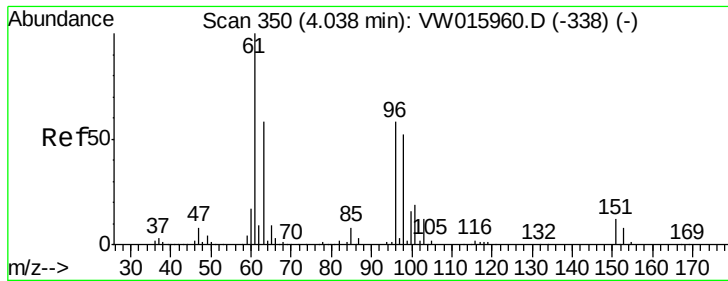
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 26.689 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015968.D

Acq: 27 Jul 2020 14:46

Instrument :

MSVOA_W

ClientSampleId :

GAY36MSD

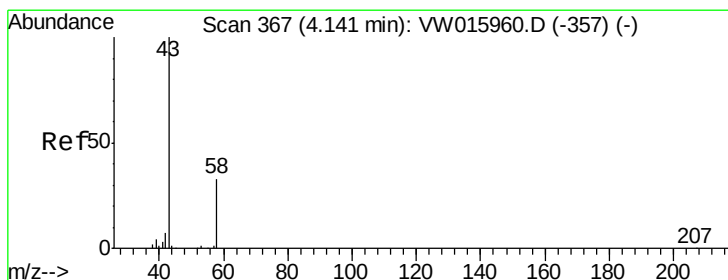
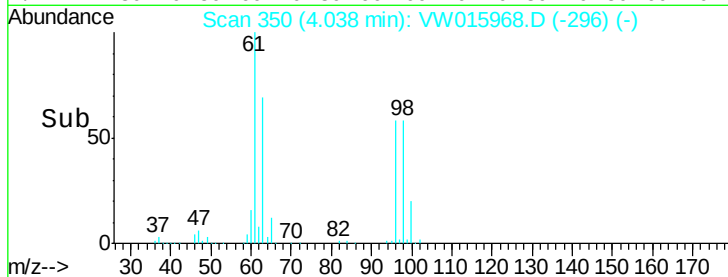
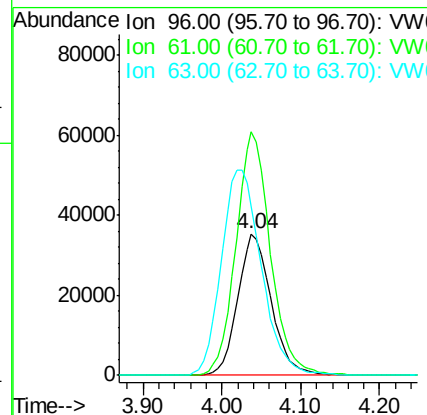
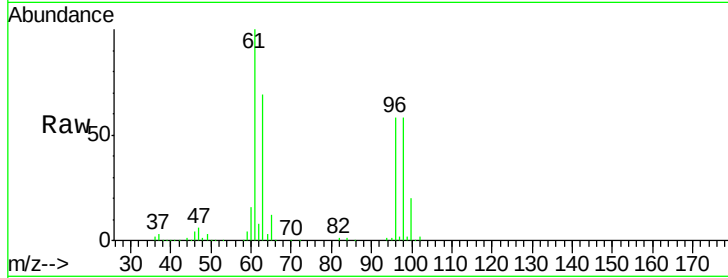
Tot Ion: 96 Resp: 104511

Ion Ratio Lower Upper

96 100

61 172.0 125.0 232.2

63 119.4 82.3 152.8



#13

Acetone

Concen: 29.093 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW015968.D

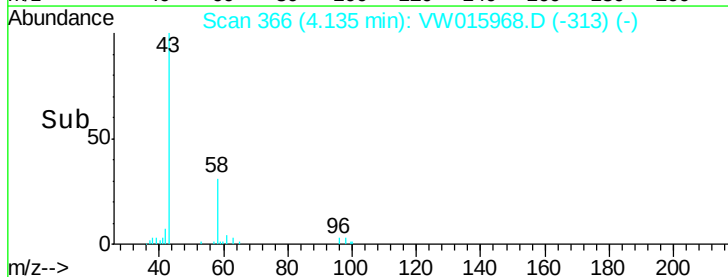
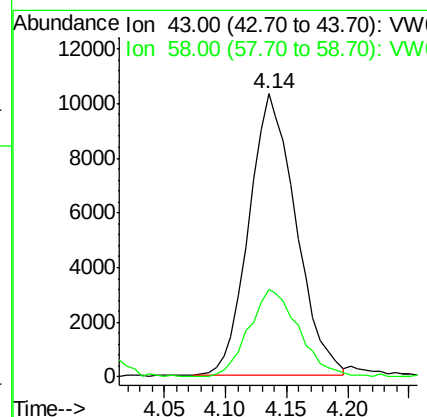
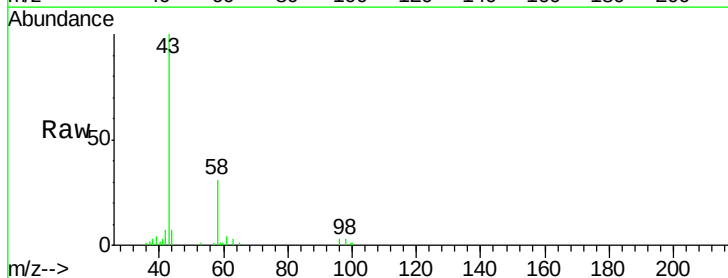
Acq: 27 Jul 2020 14:46

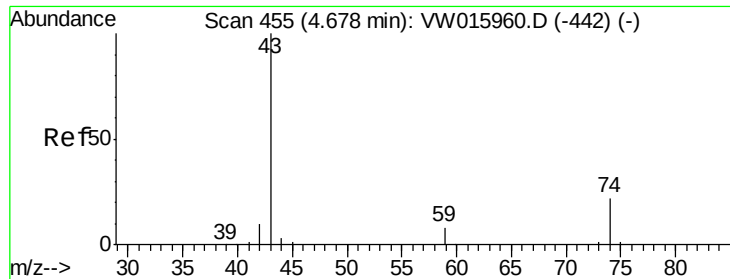
Tgt Ion: 43 Resp: 27587

Ion Ratio Lower Upper

43 100

58 32.9 0.0 58.2

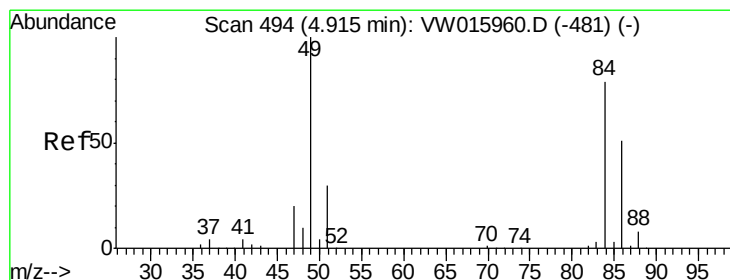
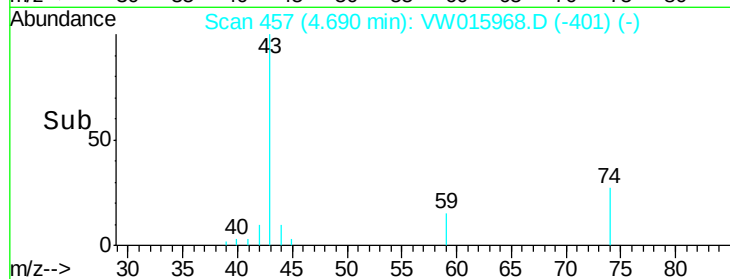
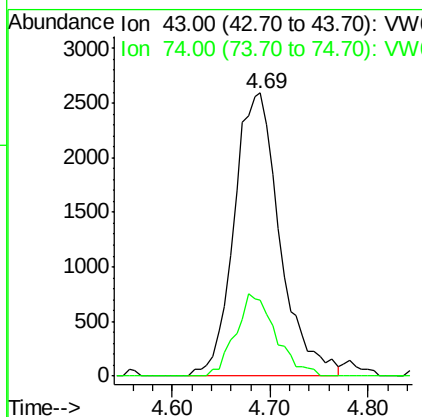
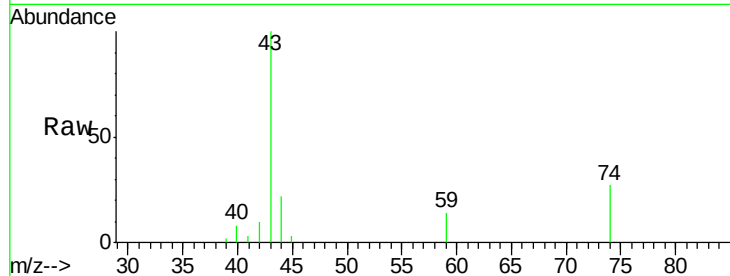




#15
Methvl Acetate
Concen: 4.713 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW015968.D
Acq: 27 Jul 2020 14:46

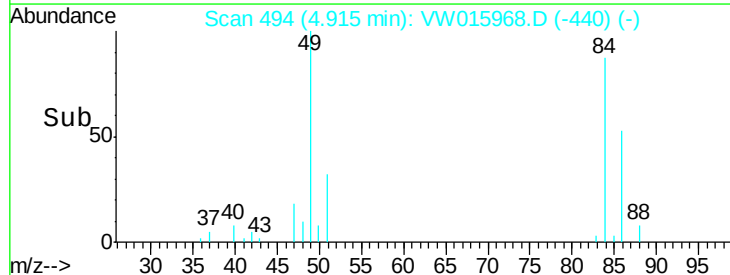
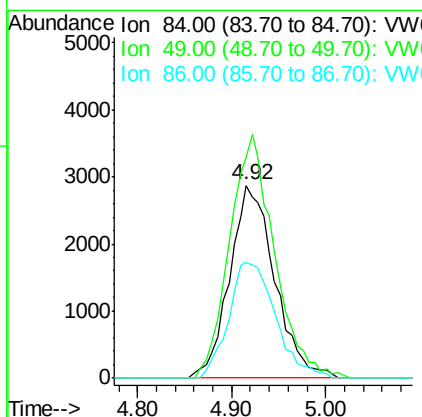
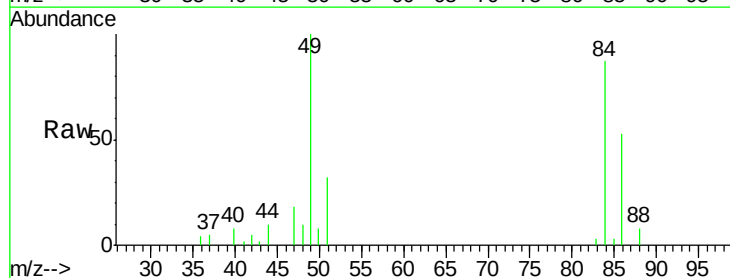
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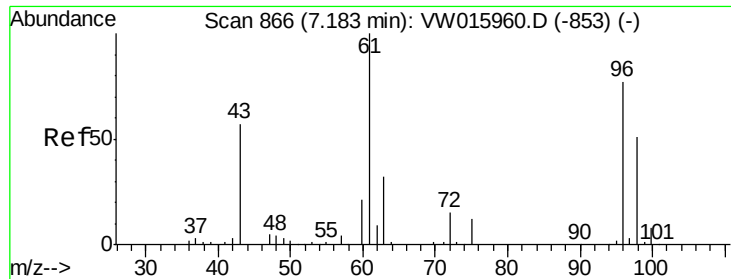
Tot Ion: 43 Resp: 8426
Ion Ratio Lower Upper
43 100
74 24.7 18.2 27.2



#16
Methylene chloride
Concen: 1.917 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015968.D
Acq: 27 Jul 2020 14:46

Tgt Ion: 84 Resp: 9567
Ion Ratio Lower Upper
84 100
49 114.4 91.1 169.1
86 60.1 46.0 85.4

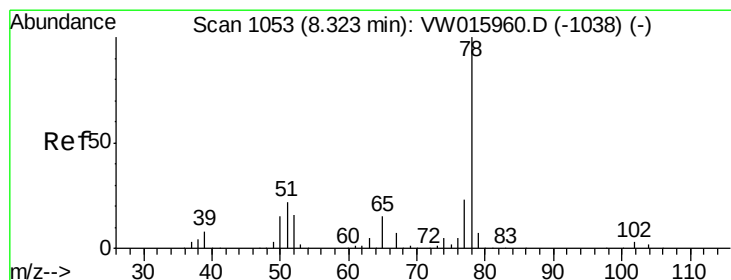
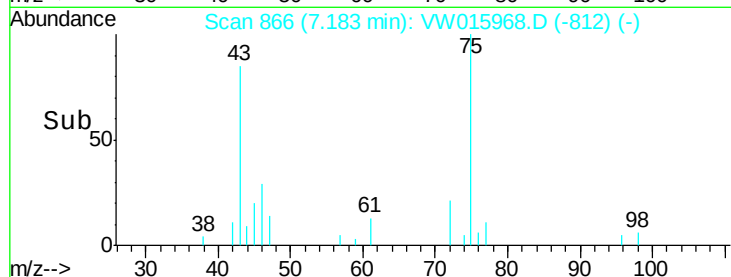
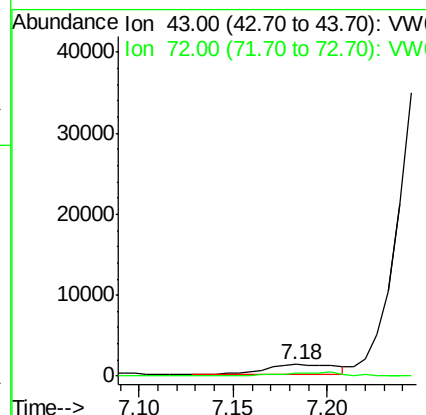
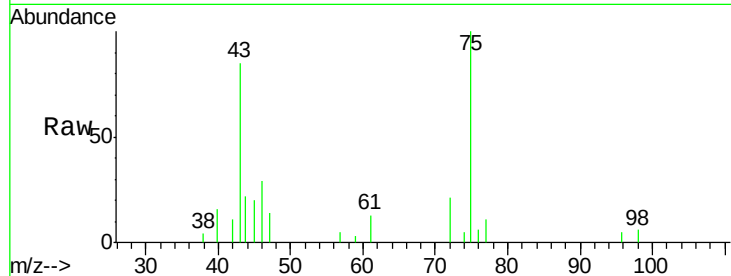




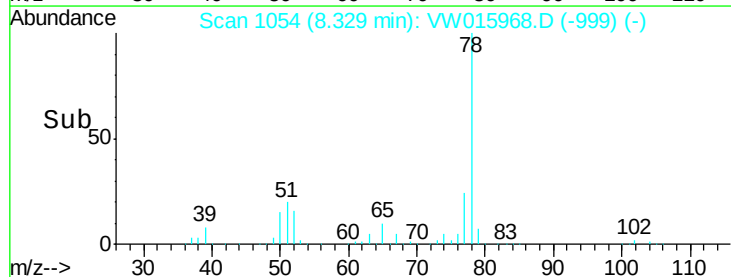
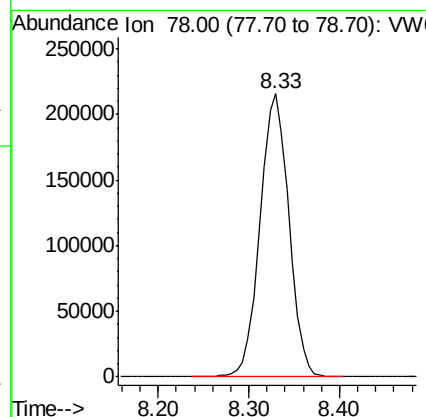
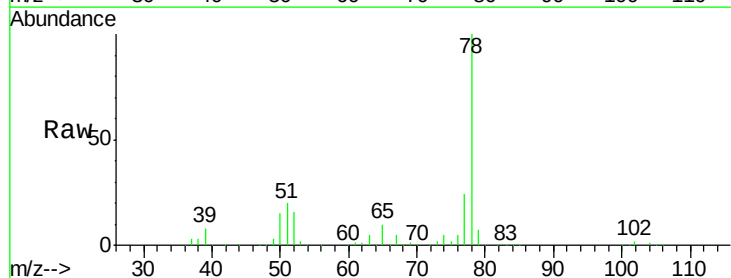
#21
 2-Butanone
 Concen: 3.043 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

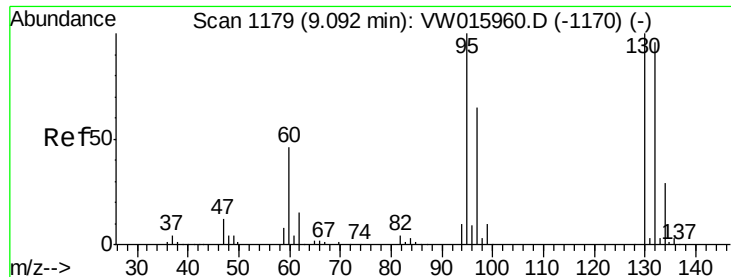
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MSD

Tot Ion: 43 Resp: 3568
 Ion Ratio Lower Upper
 43 100
 72 22.2 13.9 41.7



#34
 Benzene
 Concen: 27.846 ug/L
 RT: 8.33 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46
 Tgt Ion: 78 Resp: 475201

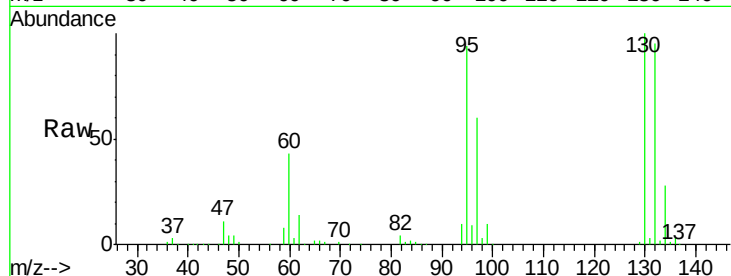




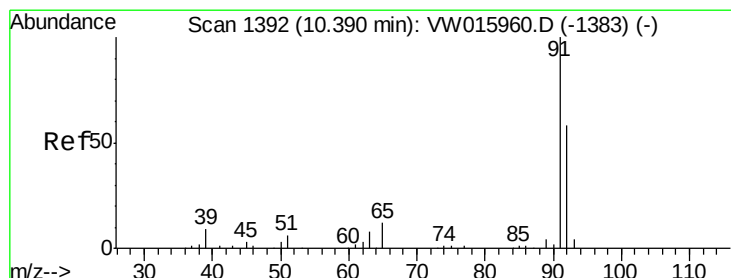
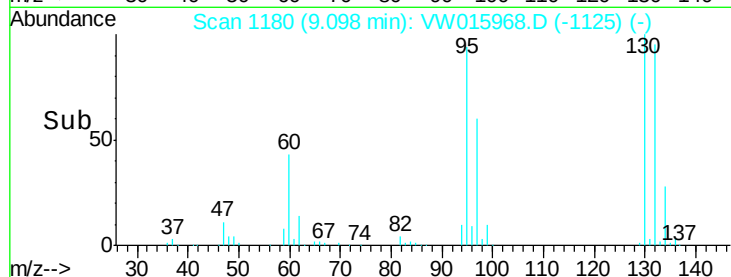
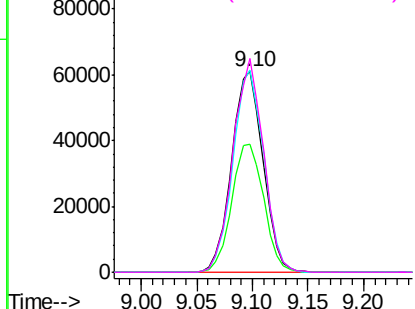
#35
 Trichloroethene
 Concen: 26.462 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MSD

Tot Ion: 95 Resp: 119456
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.4 82.4
 132 99.1 65.1 120.9
 130 102.8 68.6 127.4

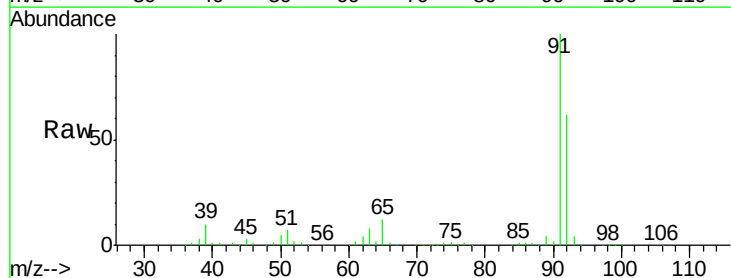


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

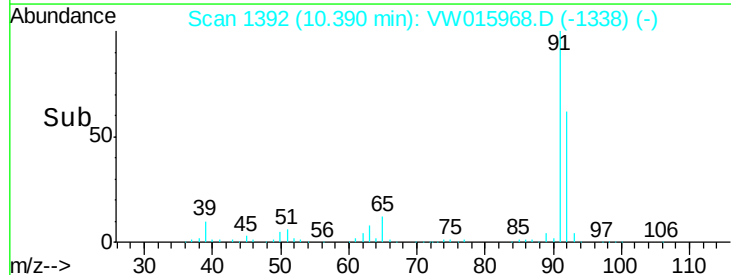
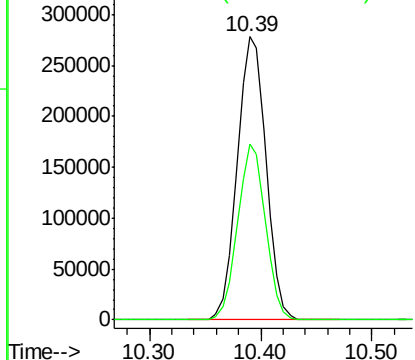


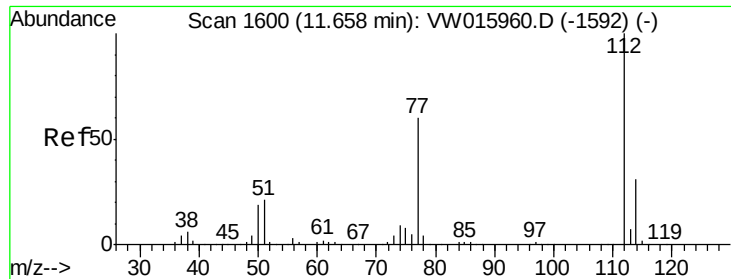
#44
 Toluene
 Concen: 27.792 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

Tgt Ion: 91 Resp: 497434
 Ion Ratio Lower Upper
 91 100
 92 62.4 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: 26.970 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY36MSD

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.6	47.8	71.6
114	31.8	22.1	41.1

