

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 01:38:56 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

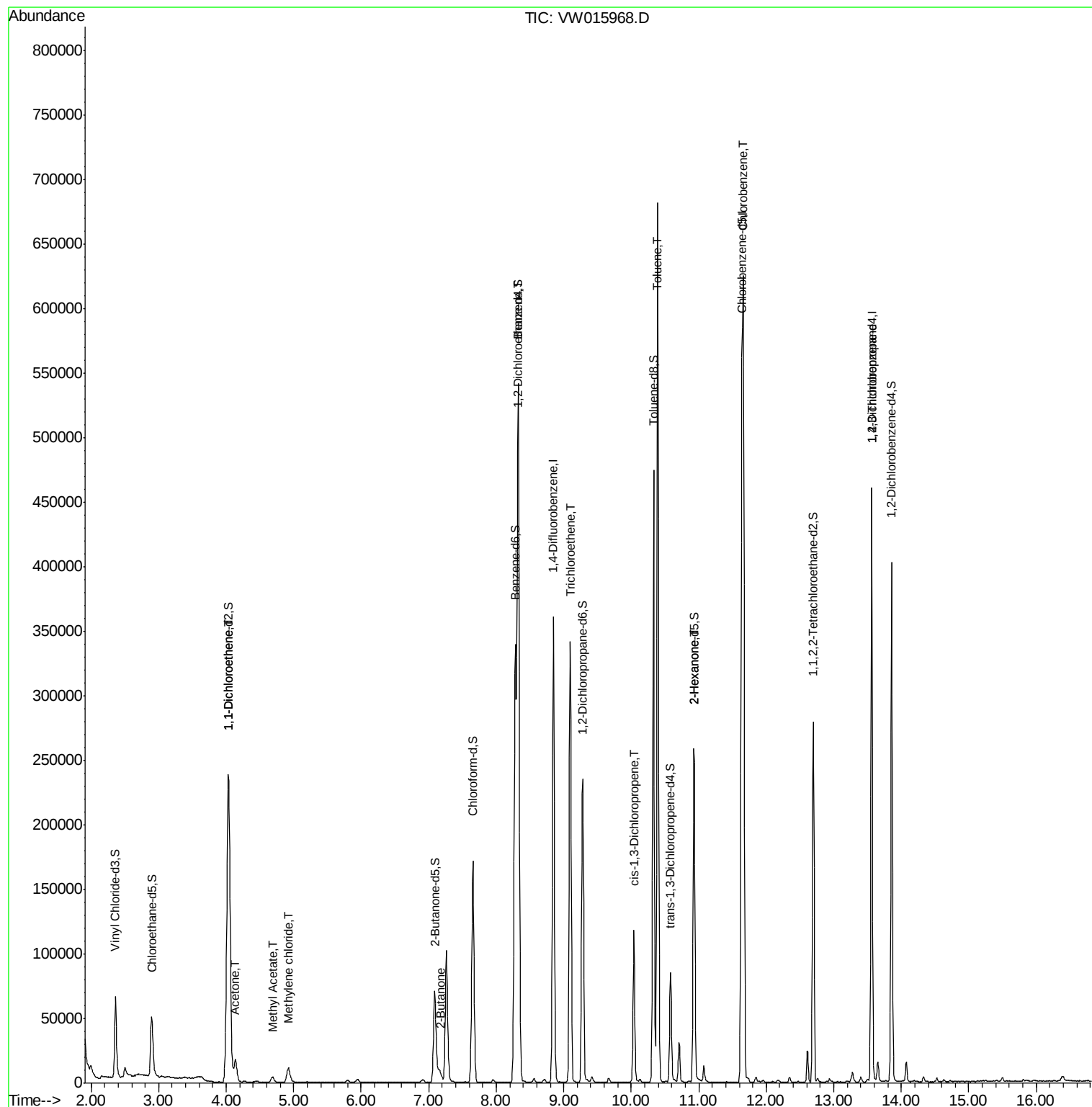
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	104511	26.689	ug/L	97
13) Acetone	4.14	43	27587	29.093	ug/L	93
15) Methyl Acetate	4.69	43	8426	4.713	ug/L	96
16) Methylene chloride	4.92	84	9567	1.917	ug/L	89
21) 2-Butanone	7.18	43	3568	3.043	ug/L	89
34) Benzene	8.33	78	475201	27.846	ug/L	100
35) Trichloroethene	9.10	95	119456	26.462	ug/L	95
42) cis-1,3-Dichloropropene	10.04	75	2980	0.463	ug/L #	80
44) Toluene	10.39	91	497434	27.792	ug/L	95
49) 2-Hexanone	10.93	43	11208	6.401	ug/L #	70
52) Chlorobenzene	11.66	112	309315	26.970	ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	14967	5.596	ug/L	91

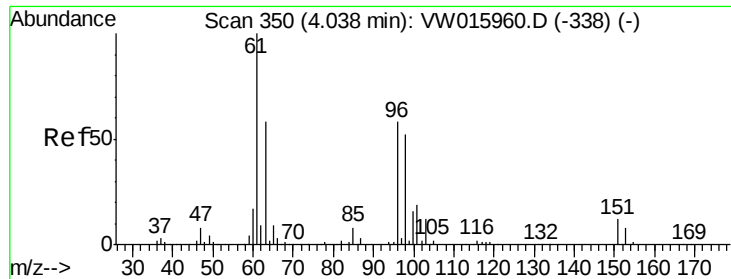
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

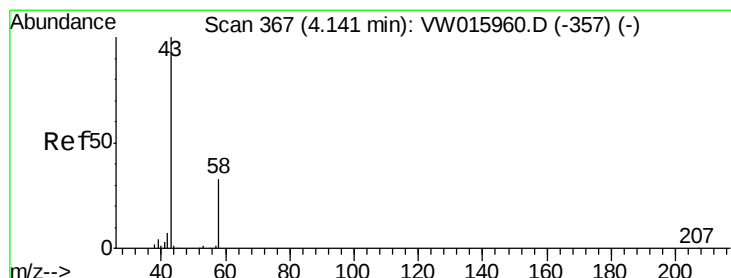
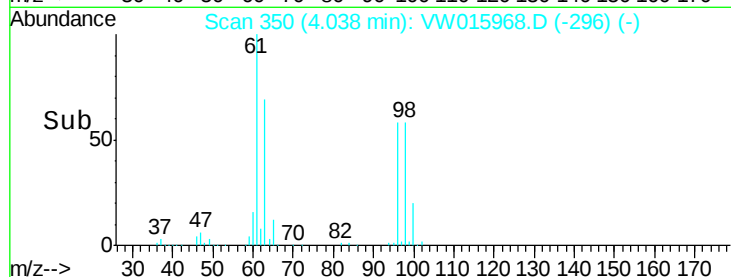
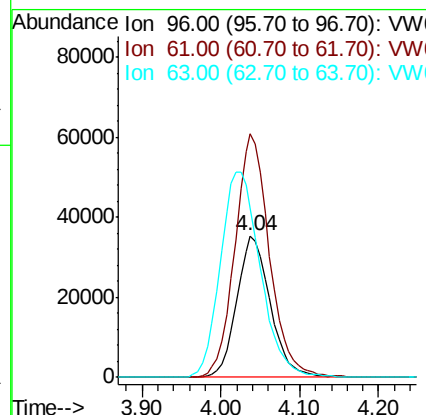
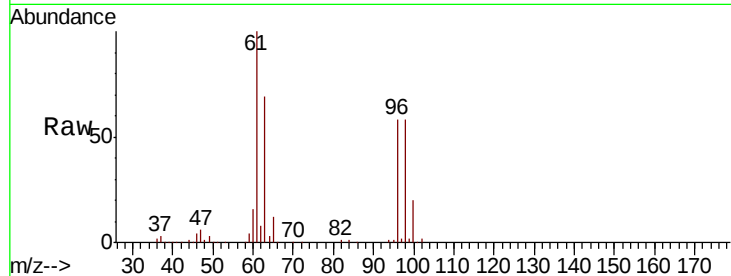
Tot Ion: 96 Resp: 104511

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

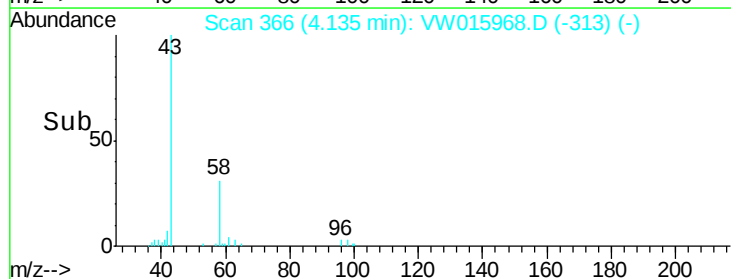
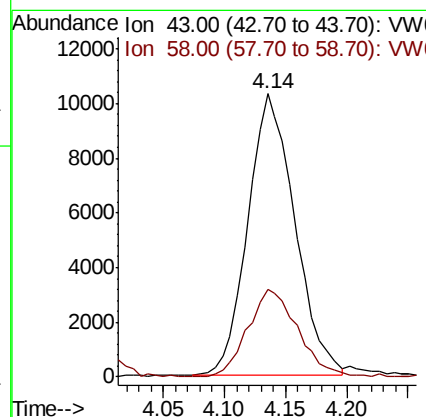
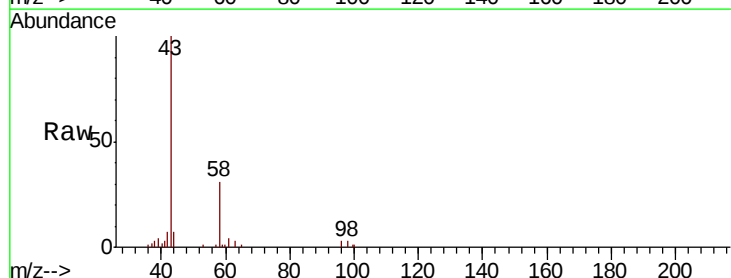
Acq: 27 Jul 2020 14:46

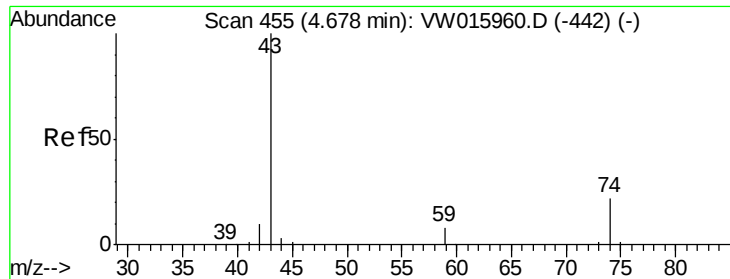
Tgt Ion: 43 Resp: 27587

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

Instrument :

MSVOA_W

ClientSampleId :

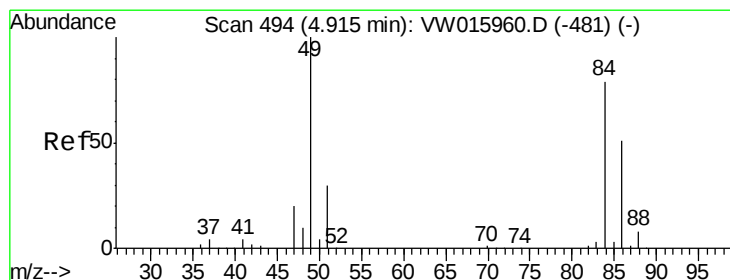
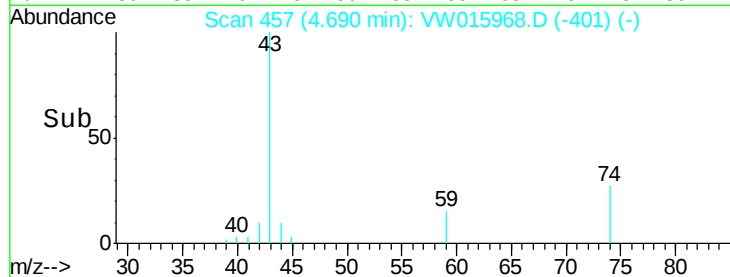
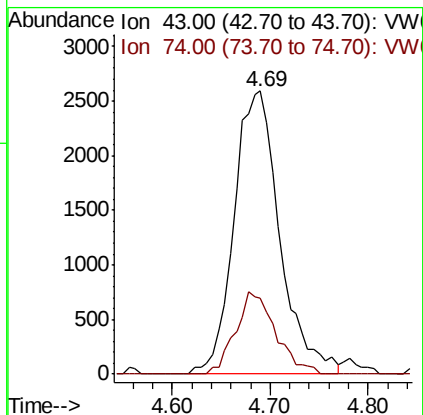
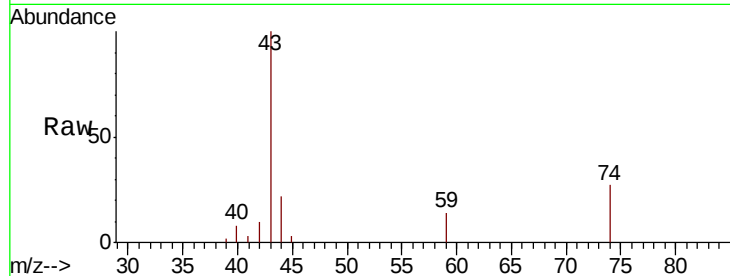
GAY36MSD

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

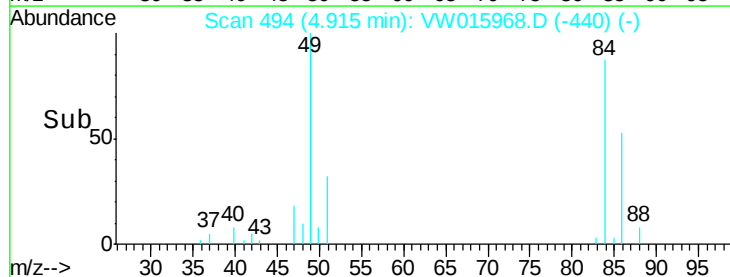
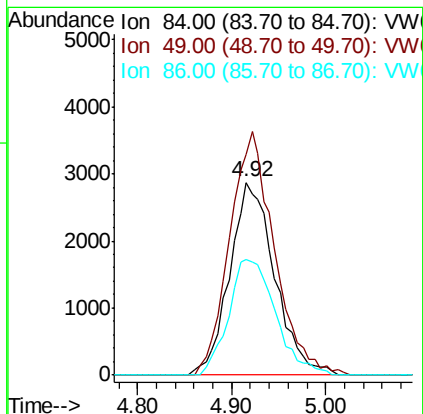
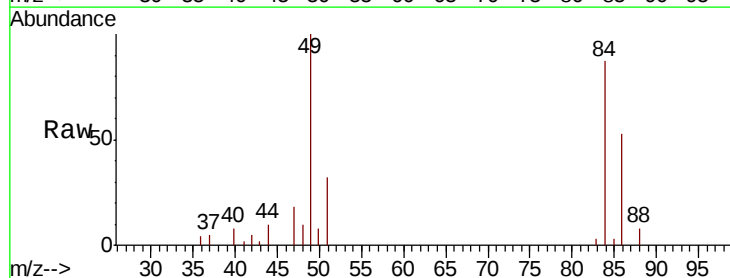
Tgt Ion: 84 Resp: 9567

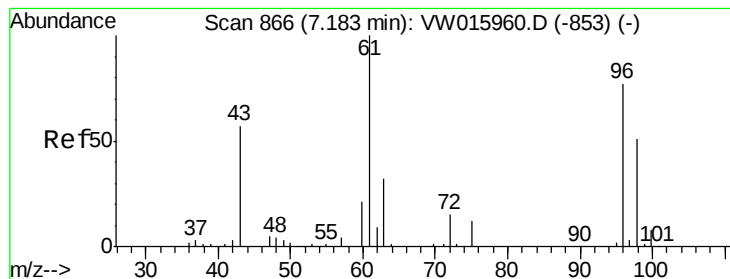
Ion Ratio Lower Upper

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 :

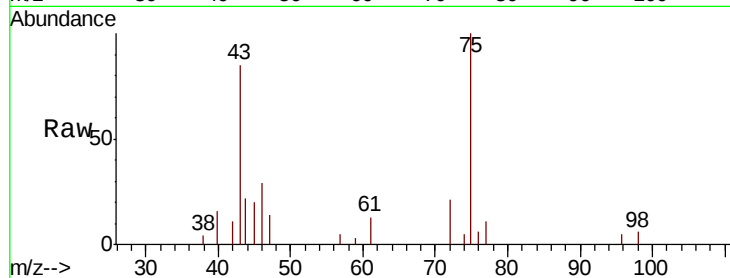
GAY36MSD

Tot Ion: 43 Resp: 3568

Ion Ratio Lower Upper

43 100

72 22.2 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

40000

30000

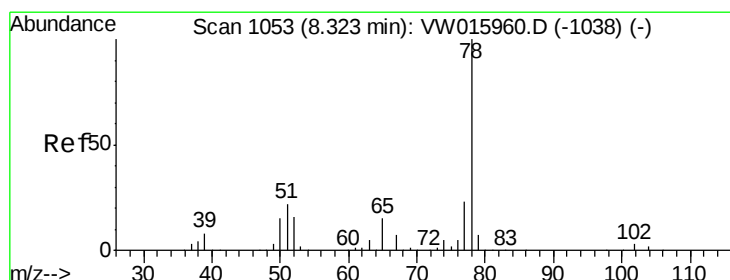
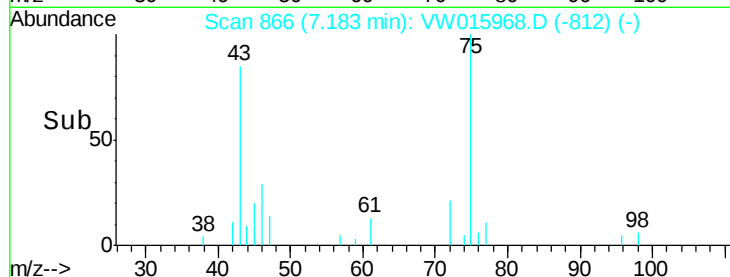
20000

10000

0

7.10 7.15 7.20

Time-->



#34

Benzene

Concen: 27.846 ug/L

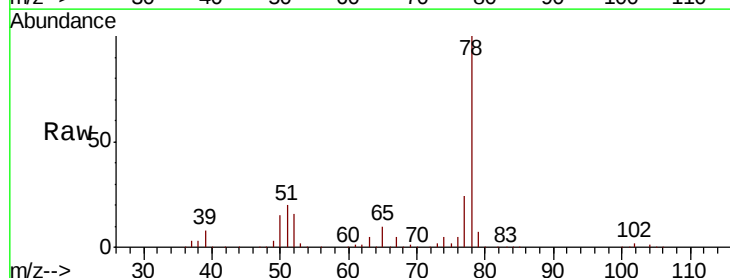
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015968.D

Acq: 27 Jul 2020 14:46

Tgt Ion: 78 Resp: 475201



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

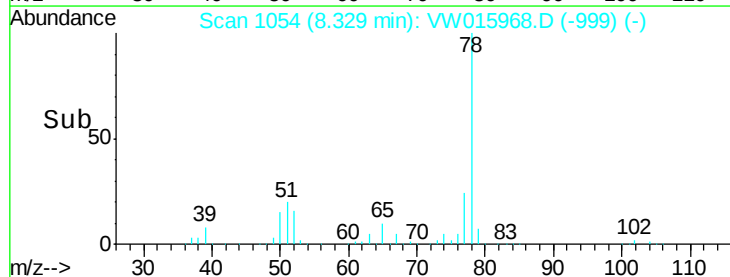
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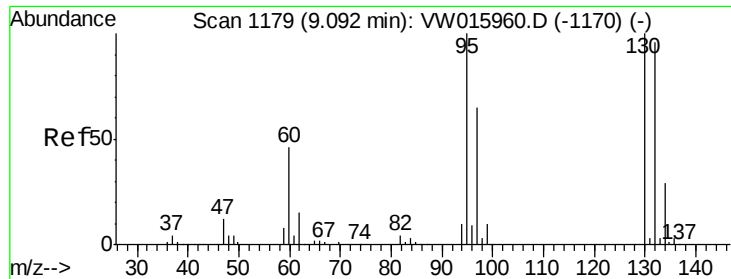
50000

0

8.20 8.30 8.40

Time-->

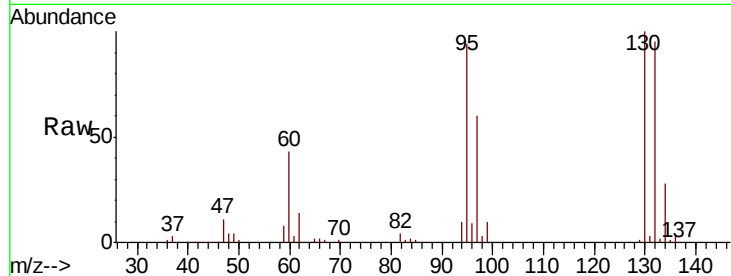




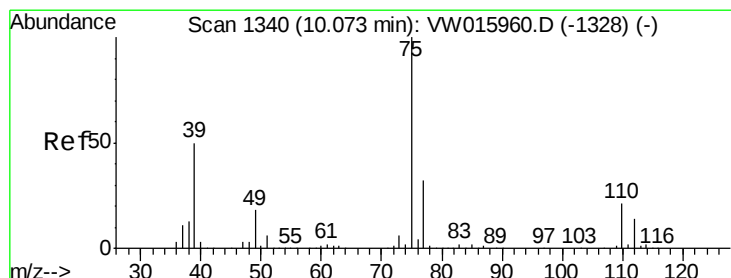
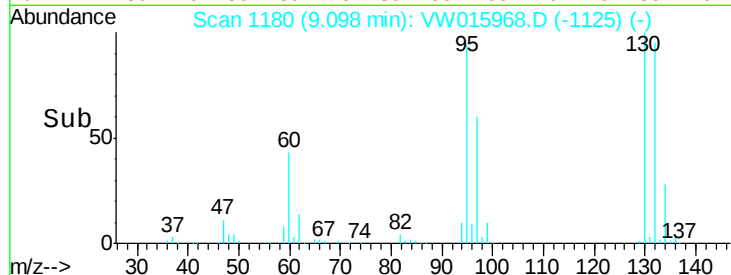
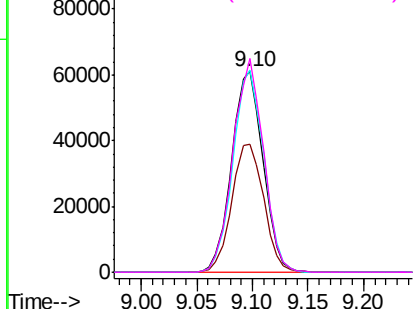
#35
 Trichloroethene
 Concen: 26.462 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

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

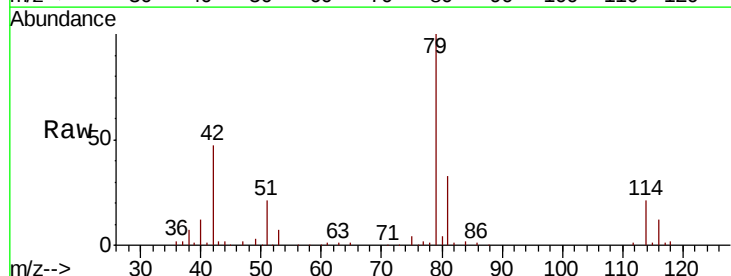


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

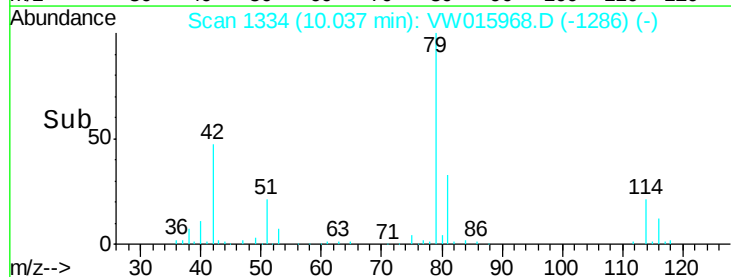
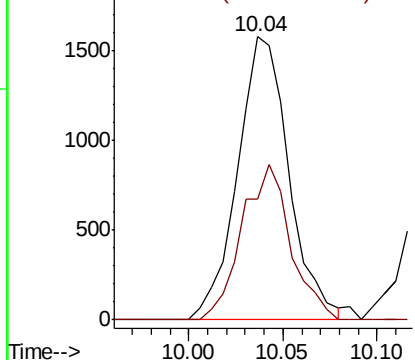


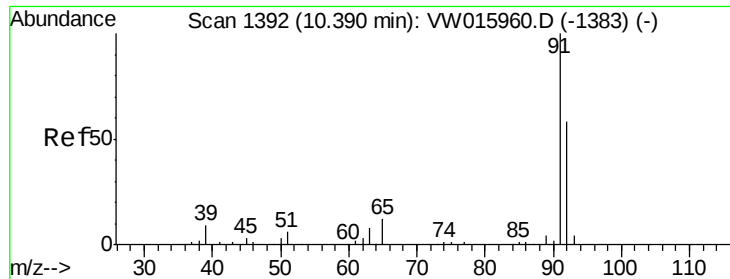
#42
 cis-1,3-Dichloropropene
 Concen: 0.463 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW015968.D
 Acq: 27 Jul 2020 14:46

Tgt Ion: 75 Resp: 2980
 Ion Ratio Lower Upper
 75 100
 77 42.7 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 77.00 (76.70 to 77.70): VW





#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

Instrument :

MSVOA_W

ClientSampleId :

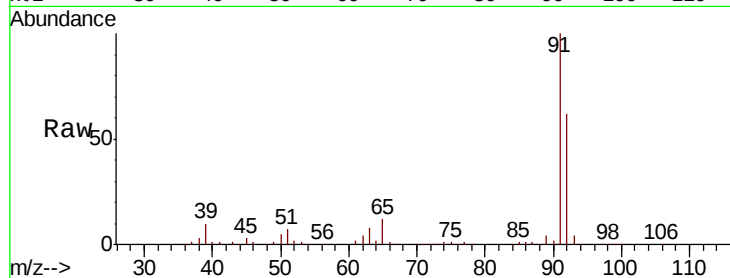
GAY36MSD

Tot Ion: 91 Resp: 497434

Ion Ratio Lower Upper

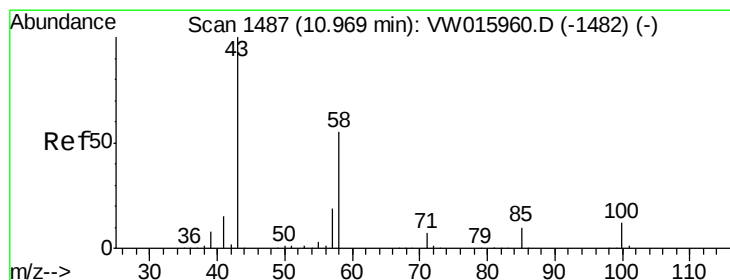
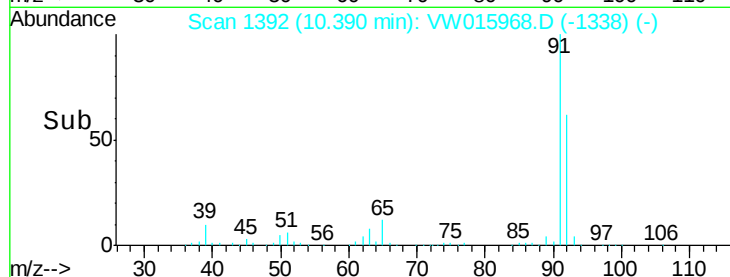
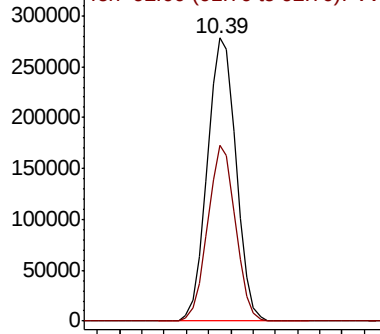
91 100

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



#49

2-Hexanone

Concen: 6.401 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW015968.D

Acq: 27 Jul 2020 14:46

Tgt Ion: 43 Resp: 11208

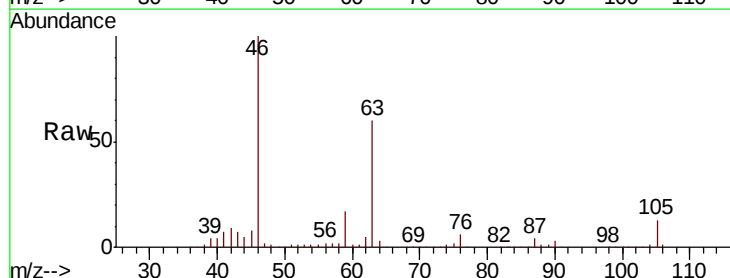
Ion Ratio Lower Upper

43 100

58 26.0 42.4 63.6#

57 25.7 15.6 23.4#

100 4.7 9.8 14.6#

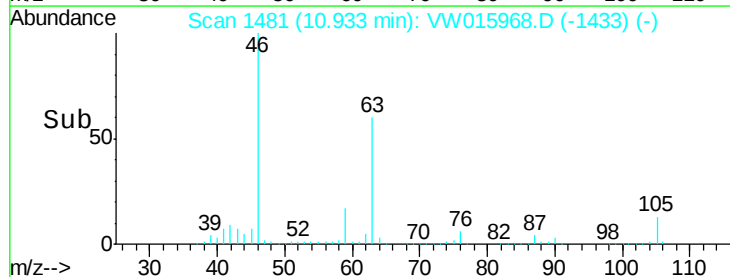
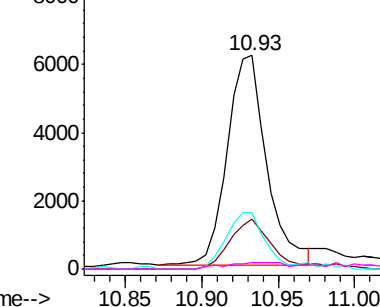


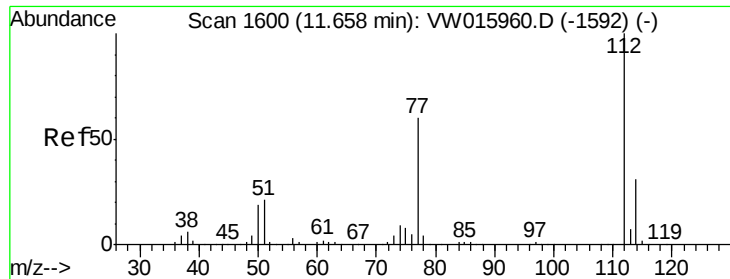
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

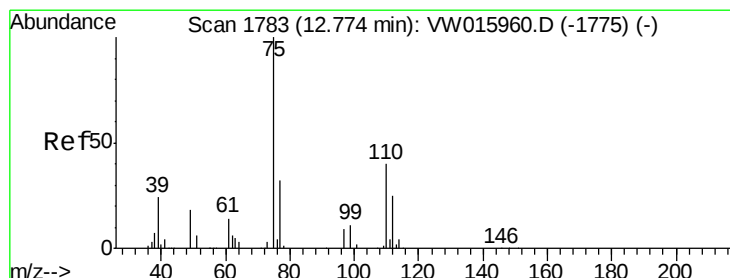
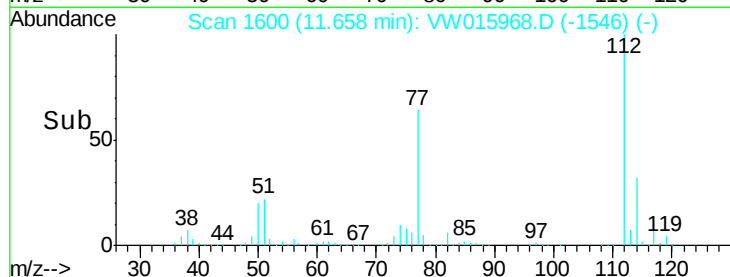
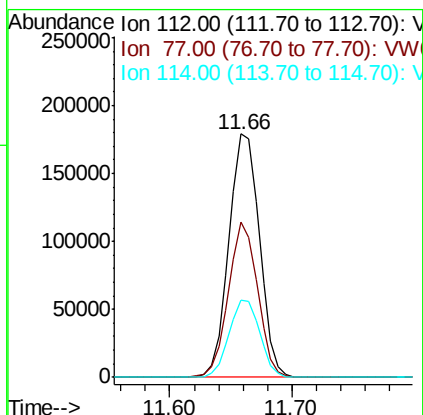
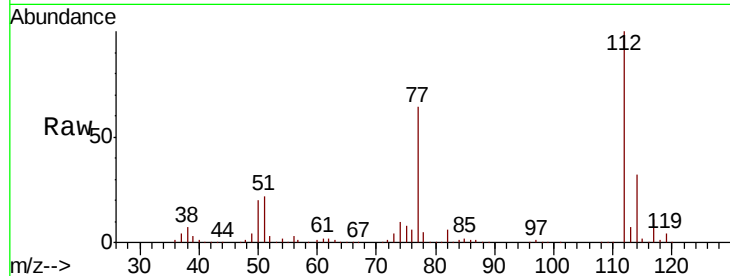




#52
Chlorobenzene
Concen: 26.970 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015968.D
Acq: 27 Jul 2020 14:46

Instrument :
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ClientSampleId :
GAY36MSD

Tot Ion:112 Resp: 309315
Ion Ratio Lower Upper
112 100
77 63.6 47.8 71.6
114 31.8 22.1 41.1



#59
1,2,3-Trichloropropane
Concen: 5.596 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW015968.D
Acq: 27 Jul 2020 14:46

Tgt Ion: 75 Resp: 14967
Ion Ratio Lower Upper
75 100
77 37.8 26.0 39.0

