

Data File : VW015067.D
Acq On : 27 Feb 2020 16:22
Operator : SY/VA
Sample : L1686-08
Misc : 5.89G/10ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAW05

Quant Time: Feb 28 04:02:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 28 03:59:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	798968	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	759403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	269479	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	411527	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
7) Chloroethane-d5	2.89	69	305971	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
10) 1,1-Dichloroethene-d2	4.02	63	510814	16.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.68%
20) 2-Butanone-d5	7.07	46	181816	54.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.86%
24) Chloroform-d	7.79	84	256	0.01	ug/L	0.14
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.04%#
26) 1,2-Dichloroethane-d4	8.54	65	83	0.01	ug/L	0.23
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	1242320	23.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.24%
33) 1,2-Dichloropropane-d6	9.27	67	455278	26.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.24%
37) Toluene-d8	10.32	98	1071844	24.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.48%
38) trans-1,3-Dichloropropene-	10.57	79	154593	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.76%
39) 2-Hexanone-d5	10.92	63	150158	64.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	301651	26.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	269327	27.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.12%

Target Compounds

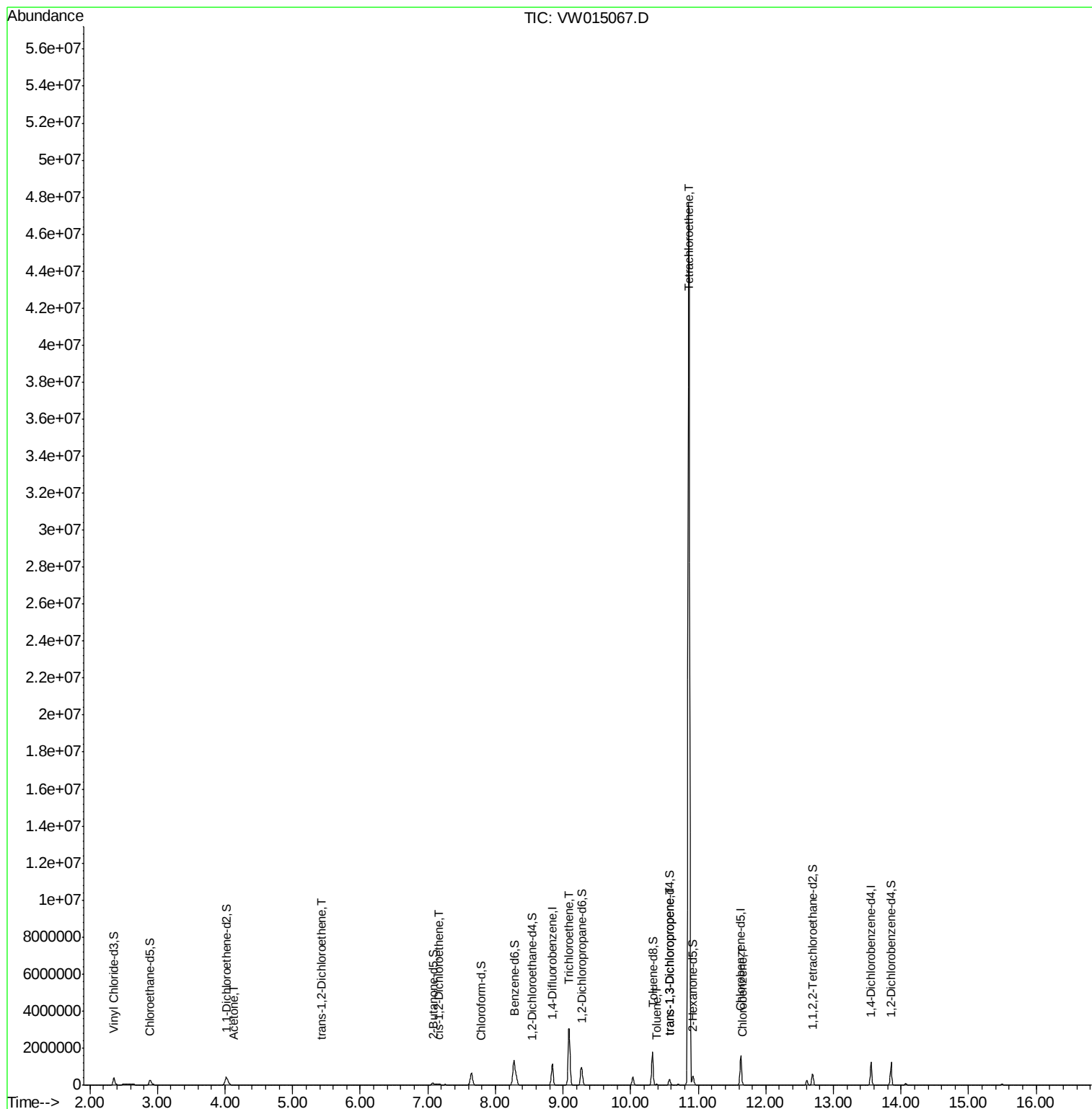
						Qvalue
13) Acetone	4.12	43	28453	7.202	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	10671	0.864	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	25457	2.026	ug/L	99
35) Trichloroethene	9.09	95	1089280	79.714	ug/L	99
44) Toluene	10.38	91	34100	0.622	ug/L	94
45) trans-1,3-Dichloropropene	10.57	75	8574	0.519	ug/L #	76
47) Tetrachloroethene	10.86	164	8714118	989.456	ug/L	96
52) Chlorobenzene	11.66	112	14644	0.454	ug/L	98

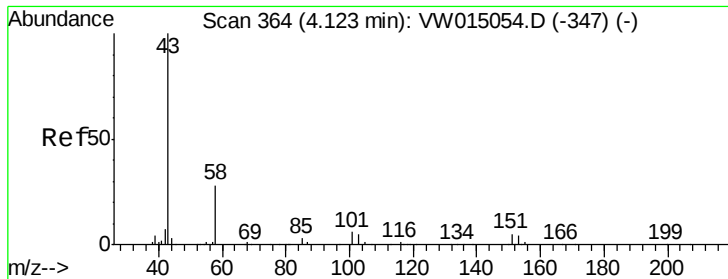
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.202 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Acq: 27 Feb 2020 16:22

Instrument :

MSVOA_W

ClientSampled :

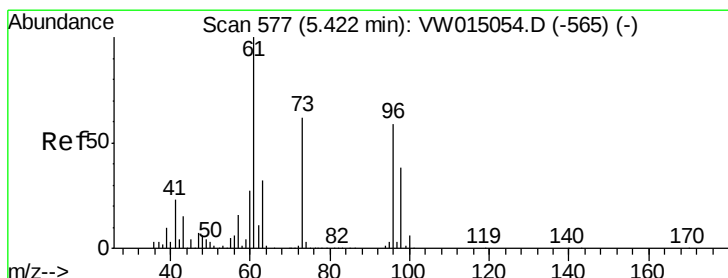
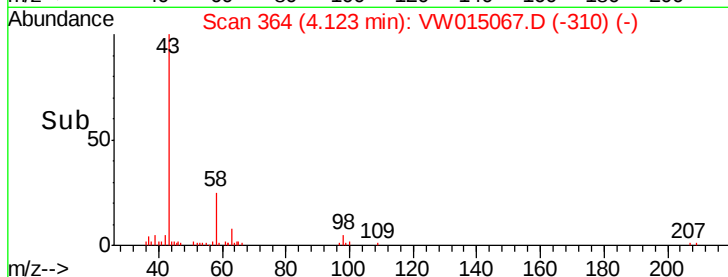
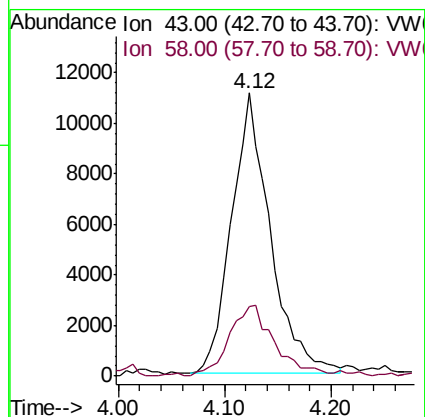
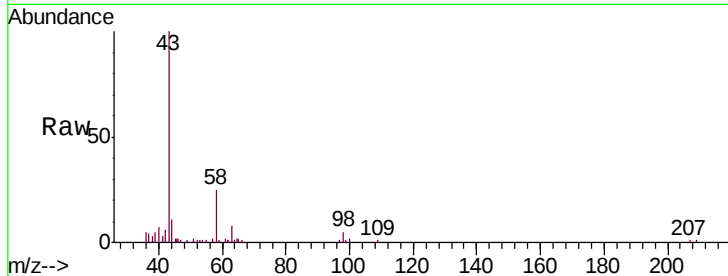
GAW05

Tgt Ion: 43 Resp: 28453

Ion Ratio Lower Upper

43 100

58 28.4 0.0 54.0



#18

trans-1,2-Dichloroethene

Concen: 0.864 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

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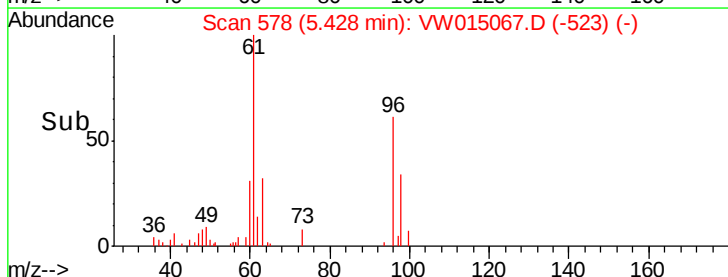
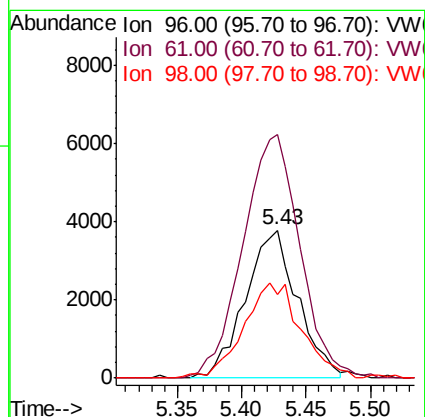
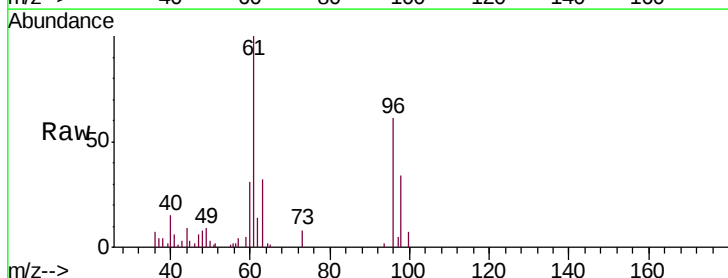
Tgt Ion: 96 Resp: 10671

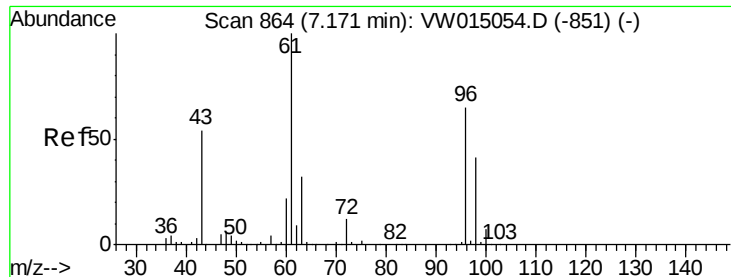
Ion Ratio Lower Upper

96 100

61 164.5 115.1 213.8

98 56.6 44.0 81.6



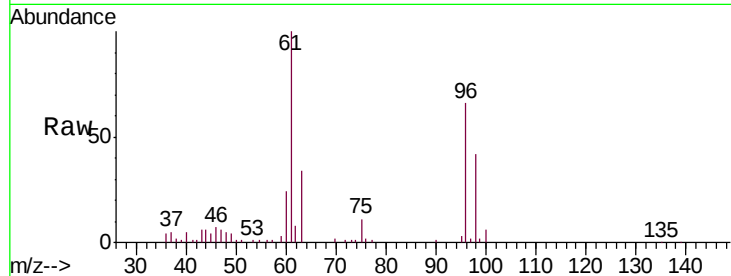


#22

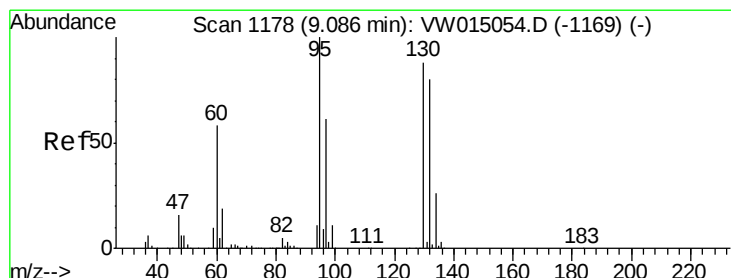
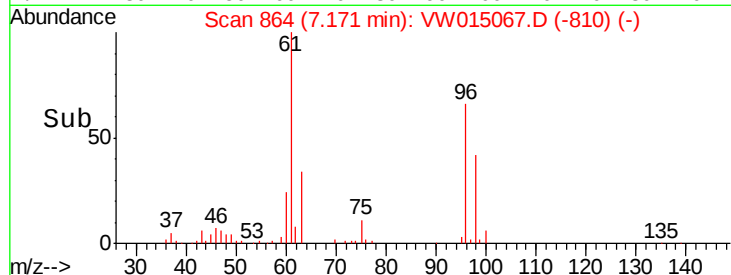
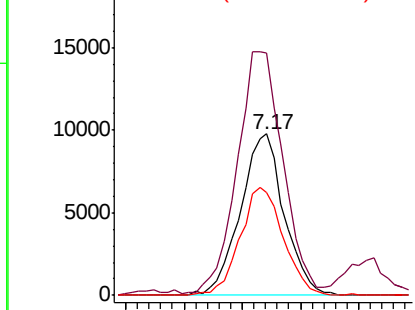
cis-1,2-Dichloroethene
 Concen: 2.026 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015067.D
 Acq: 27 Feb 2020 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 GAW05

Tgt Ion: 96 Resp: 25457
 Ion Ratio Lower Upper
 96 100
 61 150.5 105.2 195.4
 98 63.5 42.6 79.2



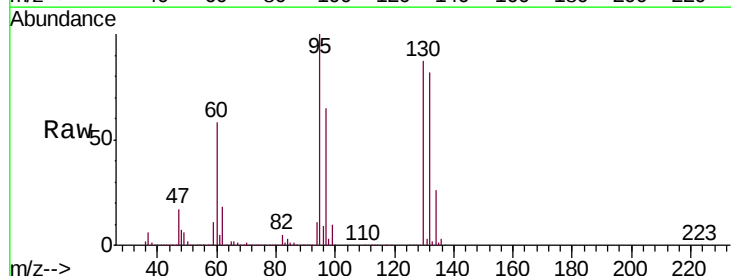
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



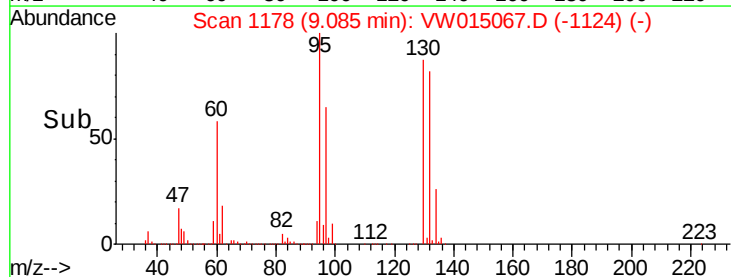
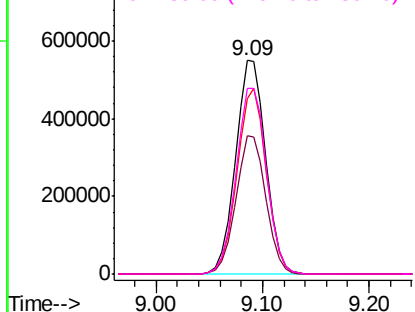
#35

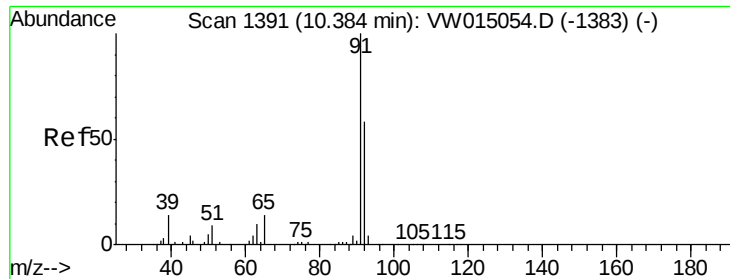
Trichloroethene
 Concen: 79.714 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW015067.D
 Acq: 27 Feb 2020 16:22

Tgt Ion: 95 Resp: 1089280
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 83.1
 132 84.9 58.1 107.9
 130 88.4 62.0 115.2



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: 0.622 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015067.D

Acq: 27 Feb 2020 16:22

Instrument :

MSVOA_W

ClientSampled :

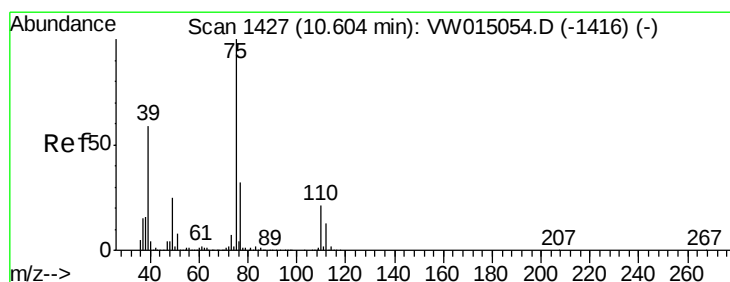
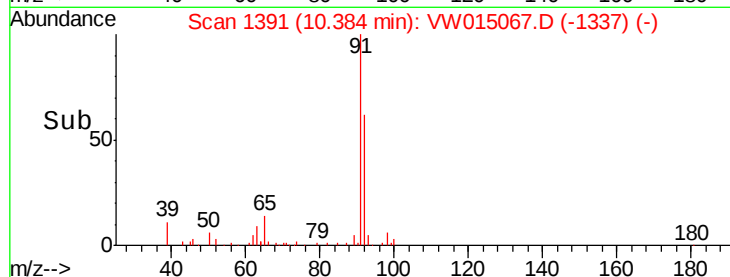
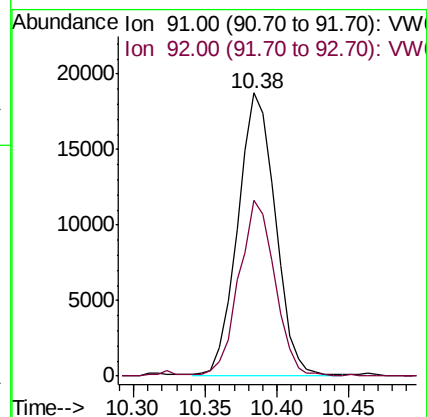
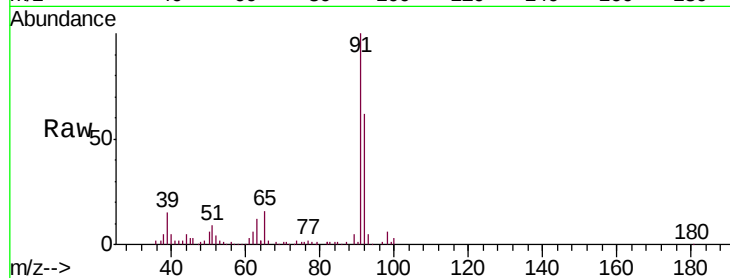
GAW05

Tgt Ion: 91 Resp: 34100

Ion Ratio Lower Upper

91 100

92 62.1 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 0.519 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW015067.D

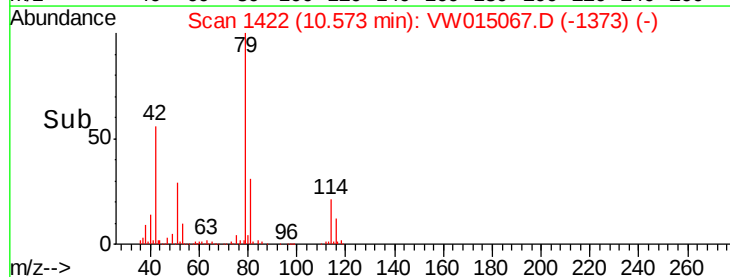
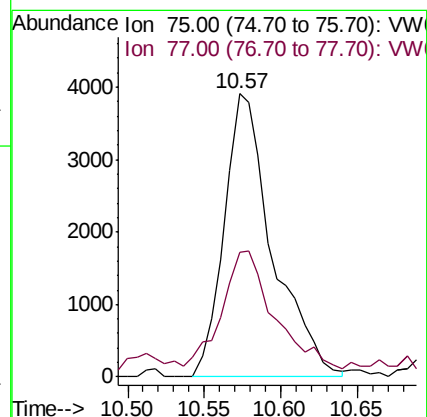
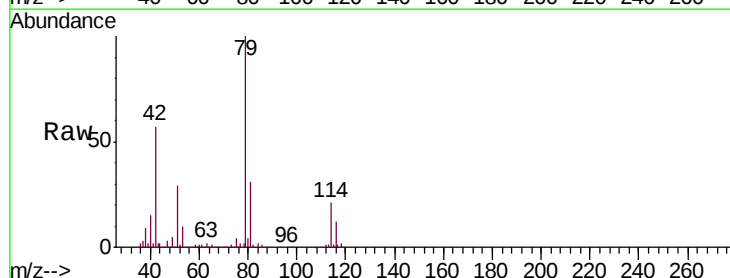
Acq: 27 Feb 2020 16:22

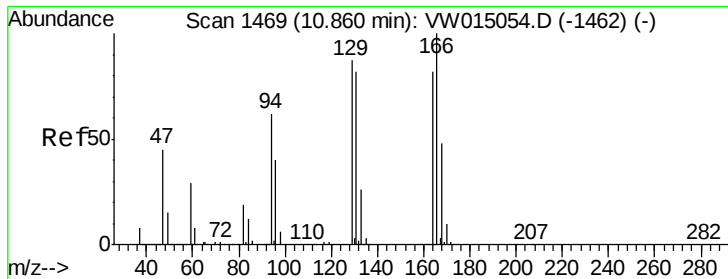
Tgt Ion: 75 Resp: 8574

Ion Ratio Lower Upper

75 100

77 44.0 21.6 40.2#

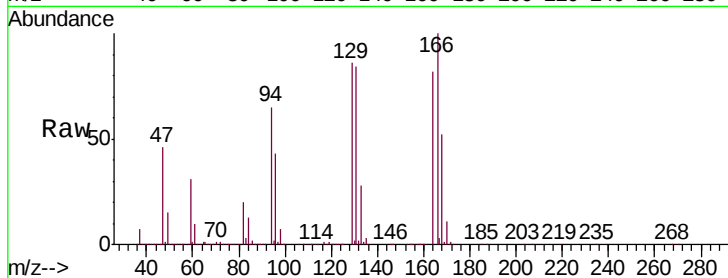




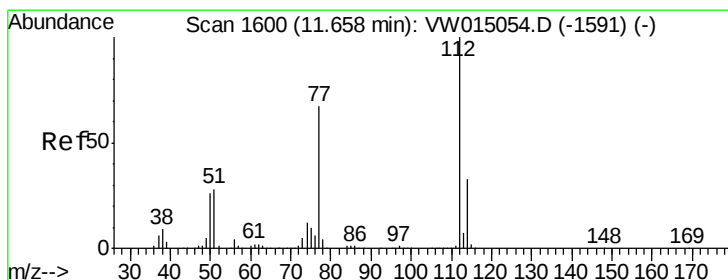
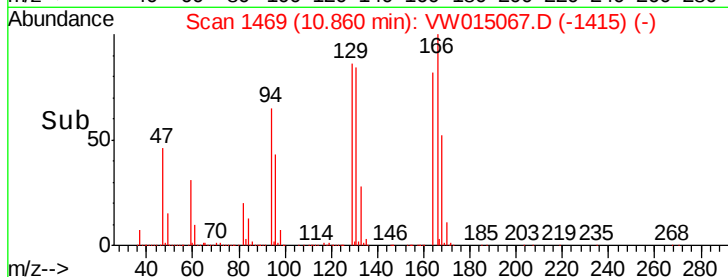
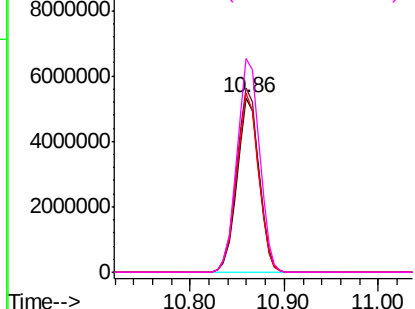
#47
Tetrachloroethene
Concen: 989.456 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015067.D
Acq: 27 Feb 2020 16:22

Instrument :
MSVOA_W
ClientSampleId :
GAW05

Tgt Ion:164 Resp: 8714118
Ion Ratio Lower Upper
164 100
129 105.8 71.7 133.1
131 102.5 70.1 130.3
166 122.5 91.3 169.6

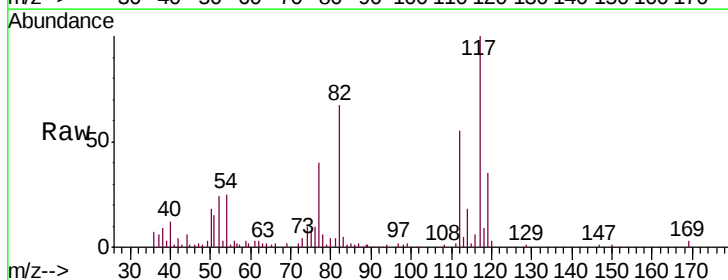


Abundance Ion 164.00 (163.70 to 164.70): V
1e+07
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#52
Chlorobenzene
Concen: 0.454 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015067.D
Acq: 27 Feb 2020 16:22

Tgt Ion:112 Resp: 14644
Ion Ratio Lower Upper
112 100
77 73.0 57.0 85.6
114 33.5 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

