

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015969.D
 Acq On : 27 Jul 2020 16:12
 Operator : SY/VA
 Sample : L3458-05
 Misc : 5.37G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY33

Quant Time: Jul 28 09:06:10 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	309276	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	287933	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	125390	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	83908	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.92%
7) Chloroethane-d5	2.90	69	67967	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
10) 1,1-Dichloroethene-d2	4.01	63	128292	14.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.16%
20) 2-Butanone-d5	7.09	46	82992	72.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.80%#
24) Chloroform-d	7.65	84	165729	19.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.32%
26) 1,2-Dichloroethane-d4	8.31	65	103109	21.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.48%
29) Benzene-d6	8.28	84	337098	19.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.92%
33) 1,2-Dichloropropane-d6	9.28	67	106484	20.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.08%
37) Toluene-d8	10.33	98	294858	18.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.28%
38) trans-1,3-Dichloropropene-	10.58	79	46944	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.84%
39) 2-Hexanone-d5	10.93	63	65179	74.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.00%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116875	28.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	104019	21.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.08%

Target Compounds

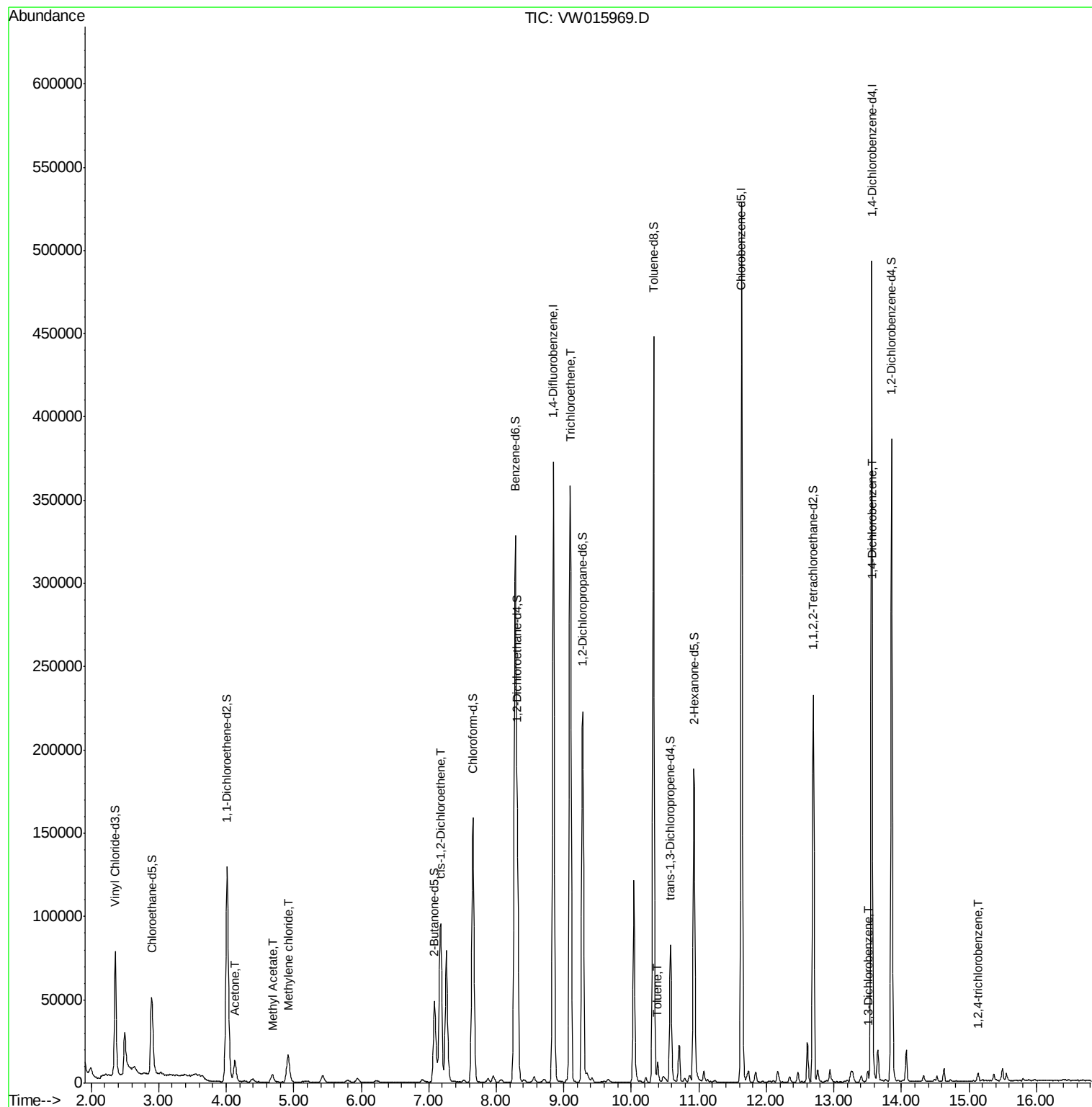
					Ovalue
13) Acetone	4.13	43	22261	23.123 ug/L	94
15) Methyl Acetate	4.68	43	8877	4.890 ug/L	98
16) Methylene chloride	4.92	84	12853	2.536 ug/L	90
22) cis-1,2-Dichloroethene	7.18	96	54813	12.479 ug/L	99
35) Trichloroethene	9.10	95	133721	28.906 ug/L	99
44) Toluene	10.39	91	8396	0.458 ug/L	93
63) 1,3-Dichlorobenzene	13.51	146	2491	0.310 ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	2891	0.355 ug/L	90
68) 1,2,4-trichlorobenzene	15.14	180	1676	0.374 ug/L	94

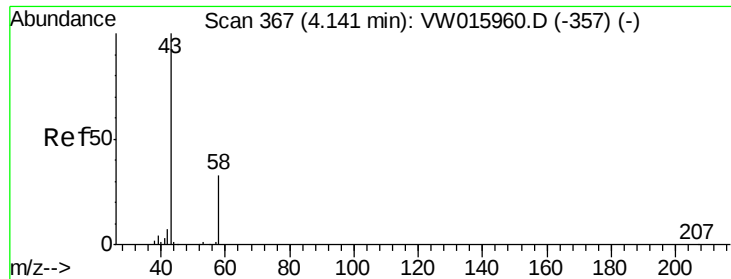
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jul 28 01:36:11 2020
Response via : Initial Calibration





#13

Acetone

Concen: 23.123 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

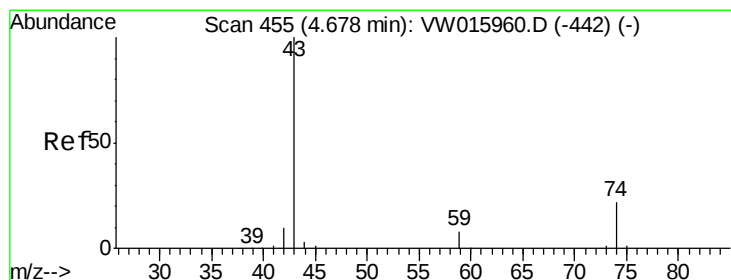
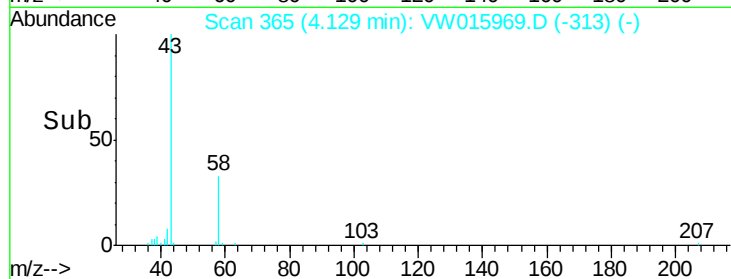
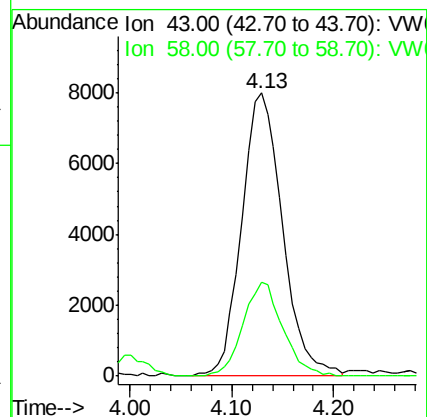
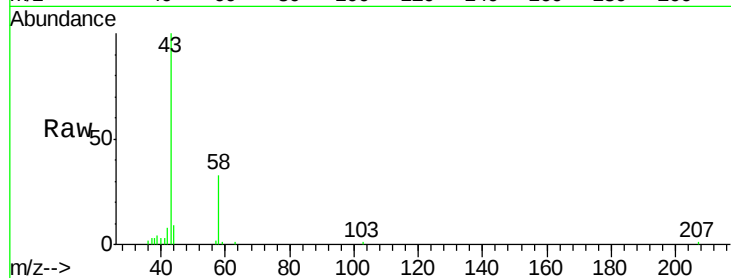
GAY33

Tot Ion: 43 Resp: 22261

Ion Ratio Lower Upper

43 100

58 32.1 0.0 58.2



#15

Methyl Acetate

Concen: 4.890 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015969.D

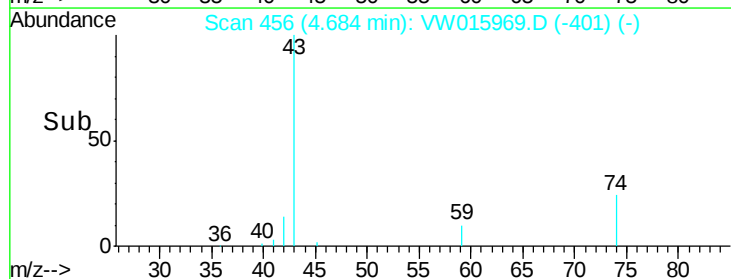
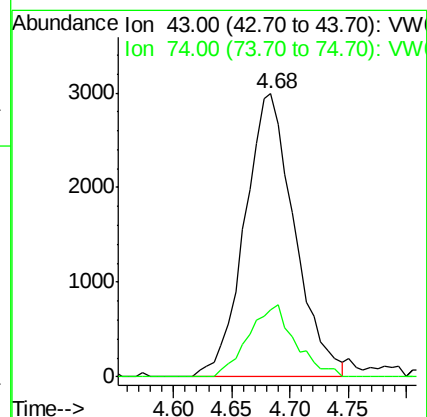
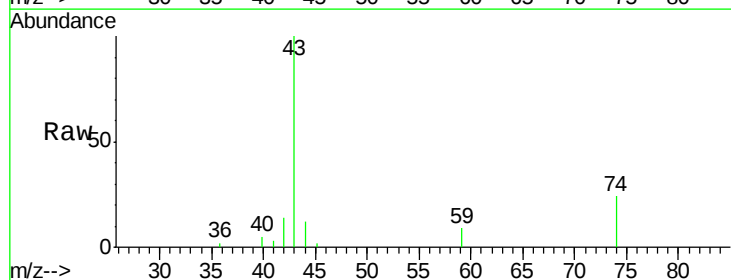
Acq: 27 Jul 2020 16:12

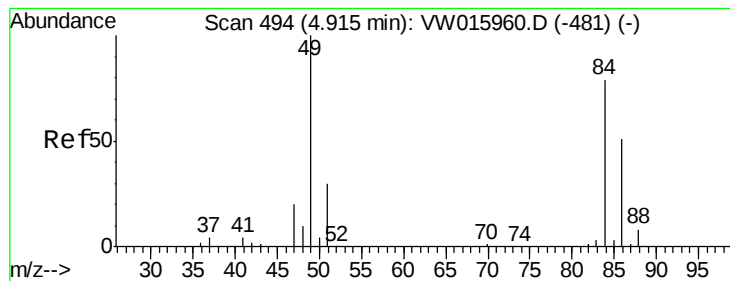
Tgt Ion: 43 Resp: 8877

Ion Ratio Lower Upper

43 100

74 23.5 18.2 27.2





#16

Methylene chloride

Concen: 2.536 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015969.D

Acq: 27 Jul 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

GAY33

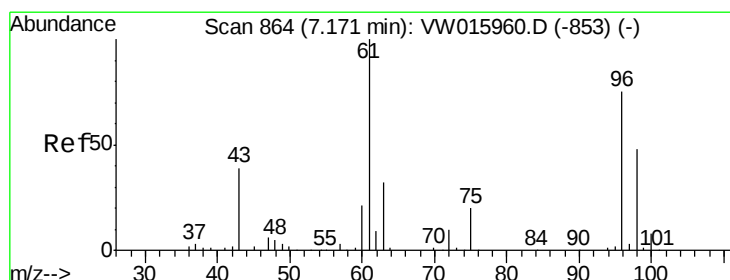
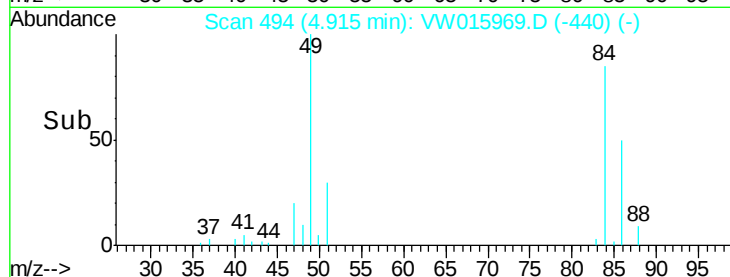
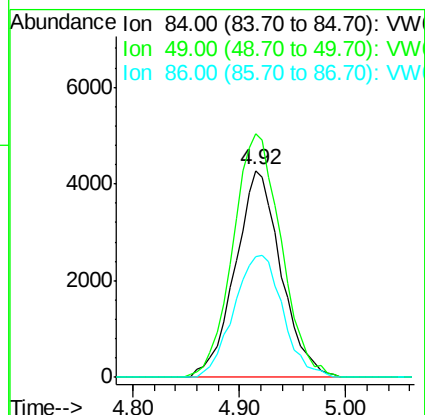
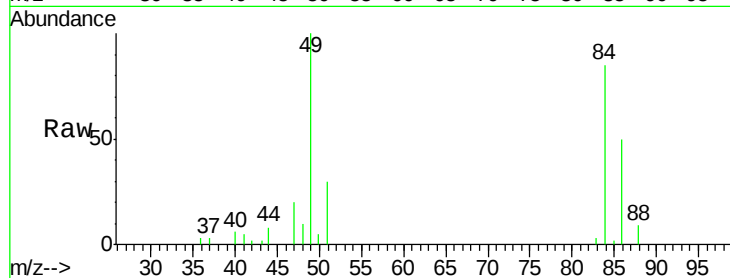
Tot Ion: 84 Resp: 12853

Ion Ratio Lower Upper

84 100

49 117.9 91.1 169.1

86 58.6 46.0 85.4



#22

cis-1,2-Dichloroethene

Concen: 12.479 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 16:12

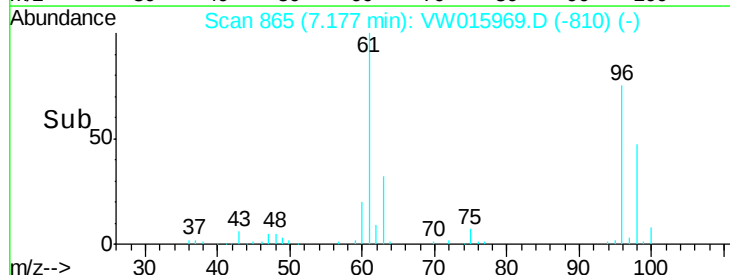
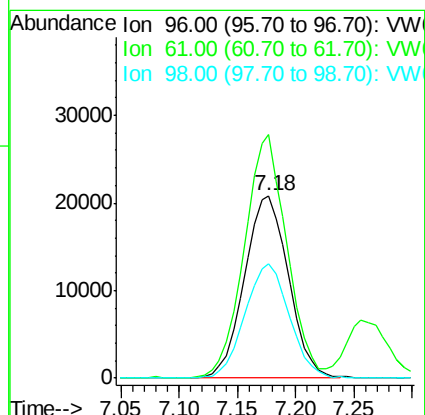
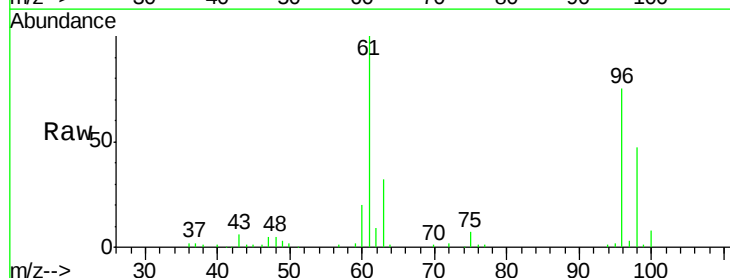
Tgt Ion: 96 Resp: 54813

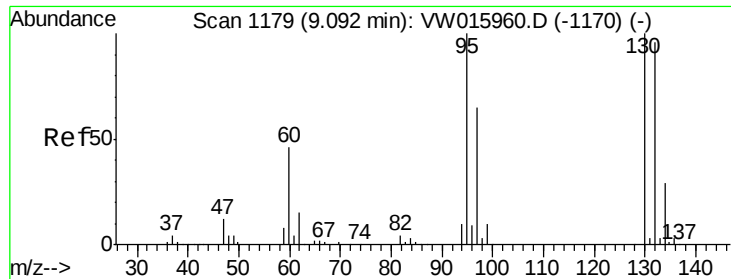
Ion Ratio Lower Upper

96 100

61 133.4 94.6 175.8

98 63.0 44.3 82.3





#35

Trichloroethene

Concen: 28.906 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015969.D

Acq: 27 Jul 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

GAY33

Tot Ion: 95 Resp: 133721

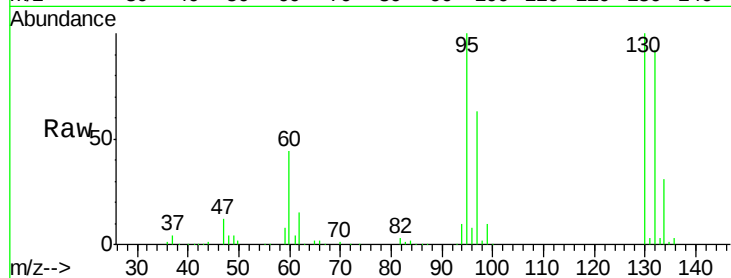
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.4

132 94.1 65.1 120.9

130 100.2 68.6 127.4

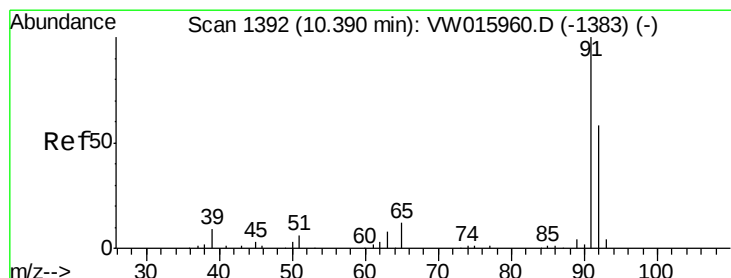
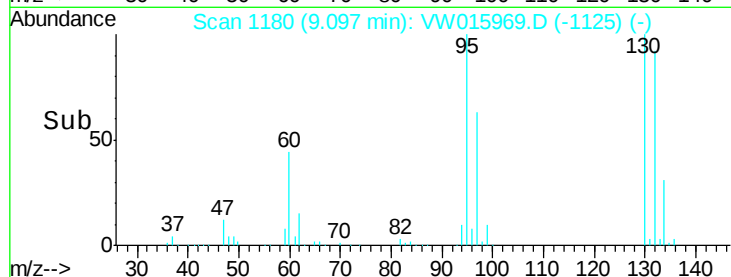
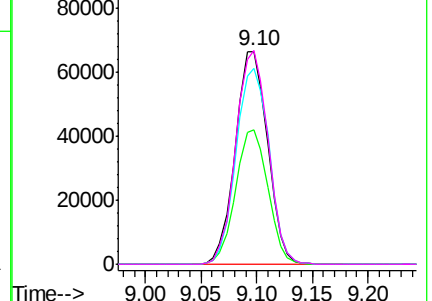


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 0.458 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015969.D

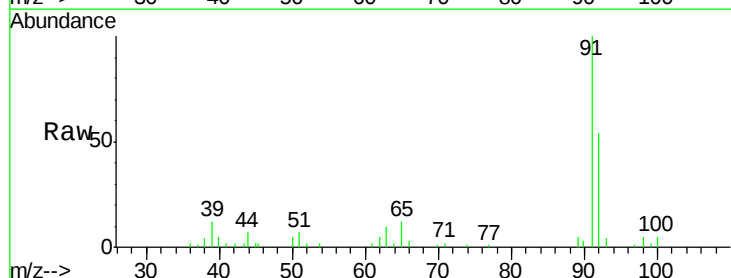
Acq: 27 Jul 2020 16:12

Tgt Ion: 91 Resp: 8396

Ion Ratio Lower Upper

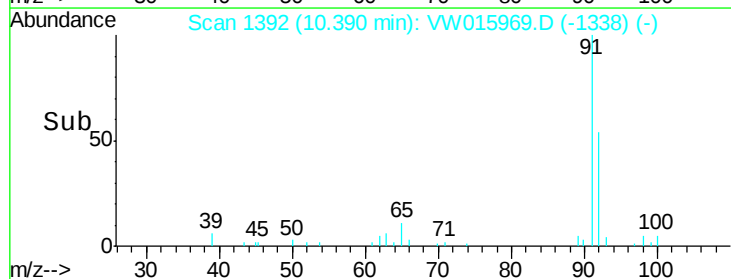
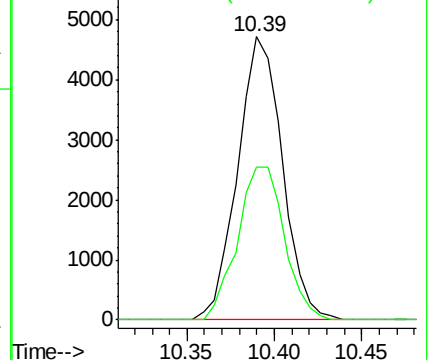
91 100

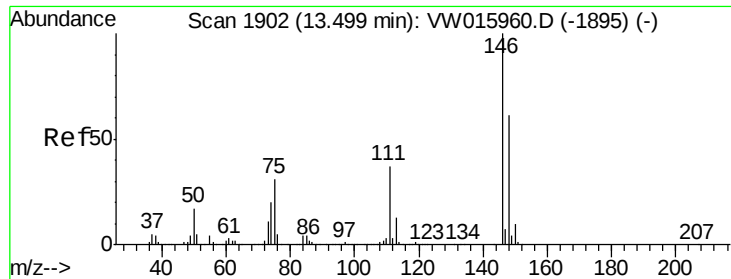
92 53.9 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

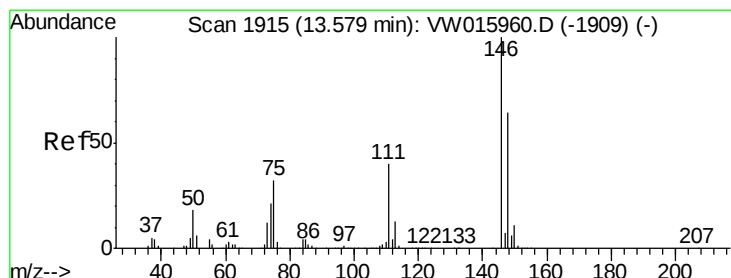
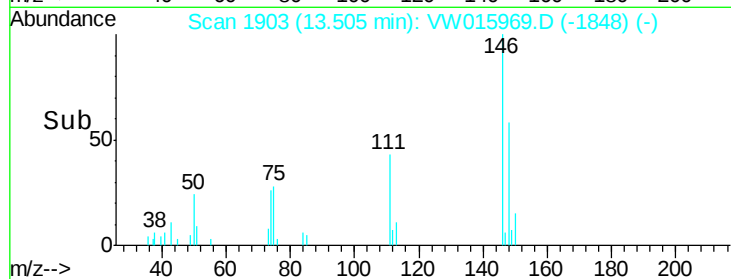
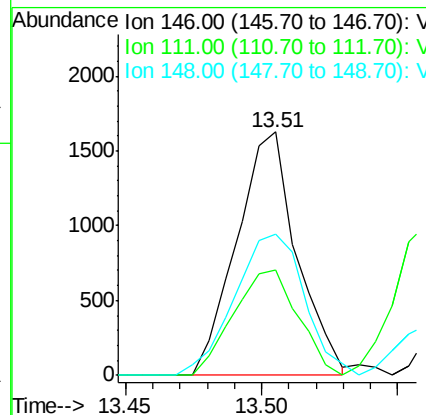
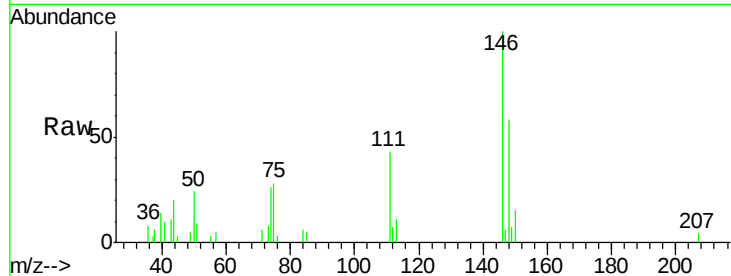




#63
 1,3-Dichlorobenzene
 Concen: 0.310 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW015969.D
 Acq: 27 Jul 2020 16:12

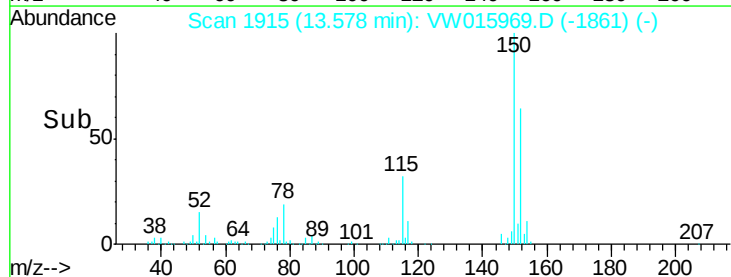
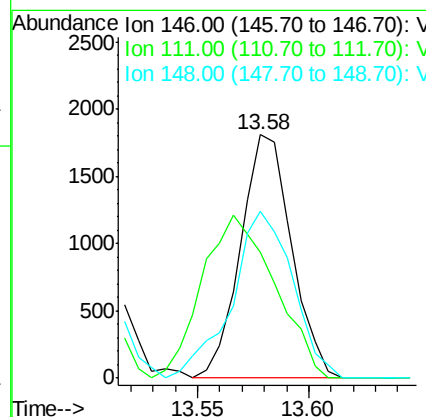
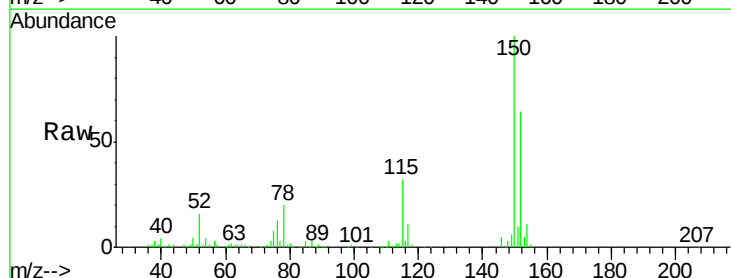
Instrument :
 MSVOA_W
 ClientSampled :
 GAY33

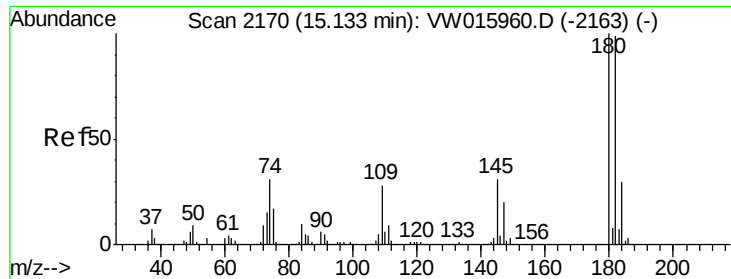
Tot Ion:146 Resp: 2491
 Ion Ratio Lower Upper
 146 100
 111 43.3 27.9 51.7
 148 58.1 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 0.355 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015969.D
 Acq: 27 Jul 2020 16:12

Tgt Ion:146 Resp: 2891
 Ion Ratio Lower Upper
 146 100
 111 51.7 29.3 54.3
 148 68.3 44.5 82.7

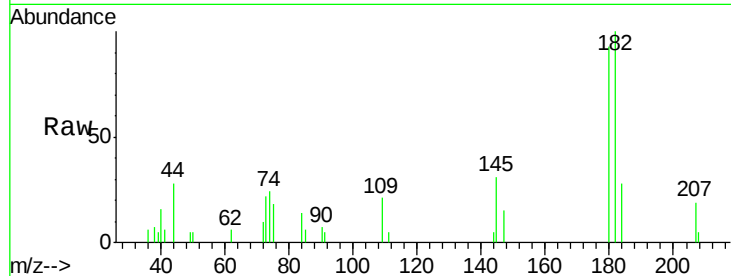




#68
 1,2,4-trichlorobenzene
 Concen: 0.374 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015969.D
 Acq: 27 Jul 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY33

Tot Ion:180 Resp: 1676
 Ion Ratio Lower Upper
 180 100
 182 102.3 76.0 114.0
 145 31.1 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

