

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052220\
 Data File : VW015451.D
 Acq On : 22 May 2020 14:42
 Operator : SY/VA
 Sample : L2753-03
 Misc : 7.93G/10.0mL/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXE4

Quant Time: May 23 05:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 23 03:53:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	319289	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	229348	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	63364	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	60156	15.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.24%
7) Chloroethane-d5	2.89	69	64651	16.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.16%
10) 1,1-Dichloroethene-d2	4.01	63	105092	12.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.76%
20) 2-Butanone-d5	7.08	46	64468	60.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.84%
24) Chloroform-d	7.65	84	172425	21.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	8.31	65	107186	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.92%
29) Benzene-d6	8.27	84	319164	25.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.76%
33) 1,2-Dichloropropane-d6	9.27	67	104435	27.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.84%
37) Toluene-d8	10.32	98	273562	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.68%
38) trans-1,3-Dichloropropene-	10.58	79	45816	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.88%
39) 2-Hexanone-d5	10.93	63	50152	71.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.78%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84703	29.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	45406	20.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.76%

Target Compounds

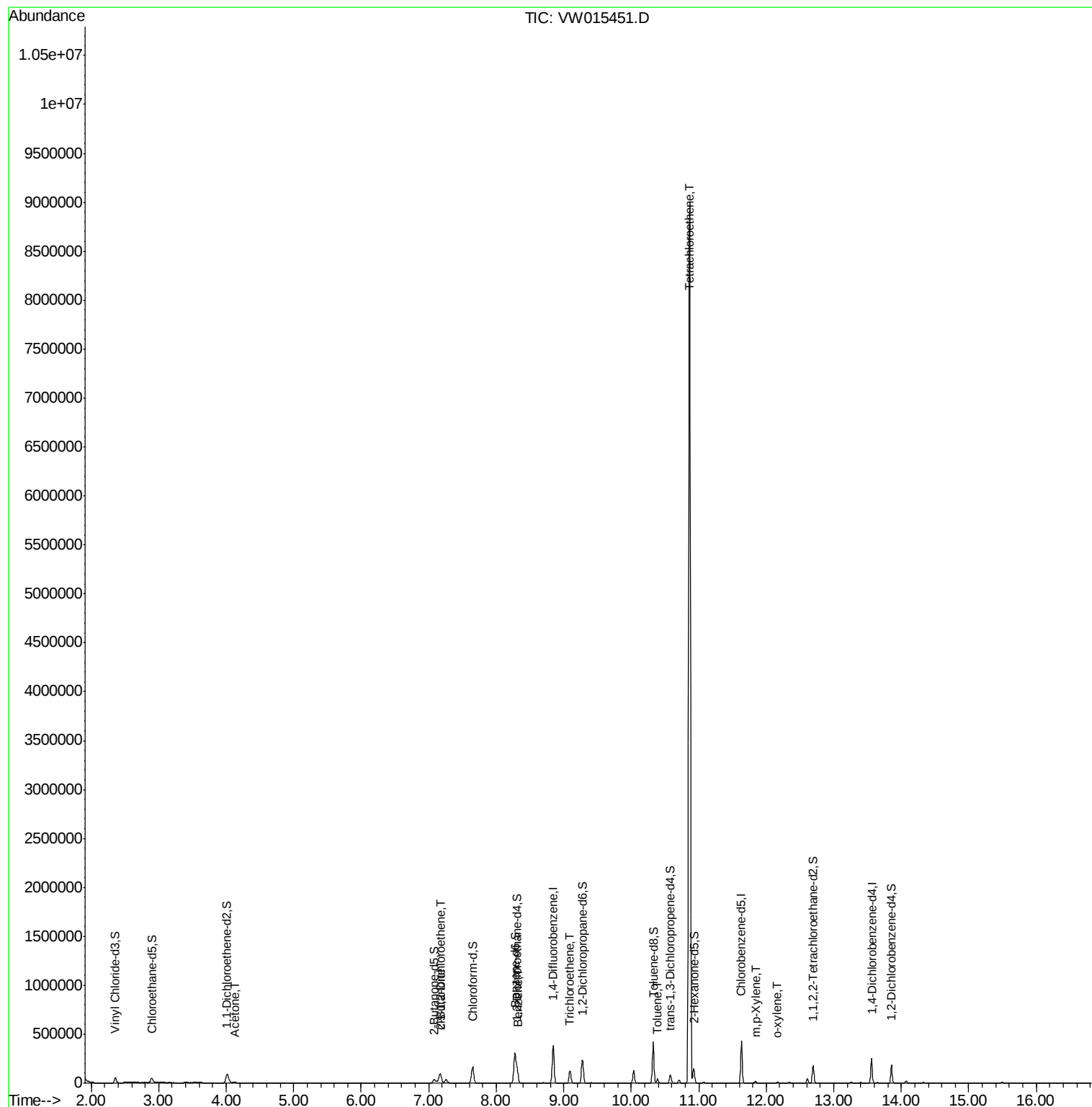
					Ovalue
13) Acetone	4.12	43	22164	27.431	ug/L 97
21) 2-Butanone	7.17	43	5112	4.208	ug/L 84
22) cis-1,2-Dichloroethene	7.17	96	48758	10.961	ug/L 99
34) Benzene	8.32	78	6795	0.506	ug/L 100
35) Trichloroethene	9.09	95	42875	11.924	ug/L 98
44) Toluene	10.39	91	31382	2.140	ug/L 100
47) Tetrachloroethene	10.87	164	1986227	736.347	ug/L 99
54) m,p-Xylene	11.84	106	4390	0.687	ug/L 97
55) o-xylene	12.17	106	1919	0.312	ug/L 95

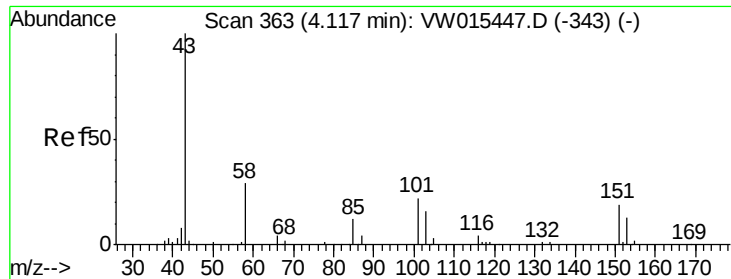
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 23 03:53:37 2020
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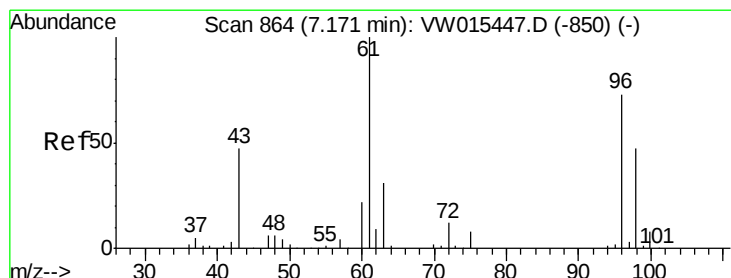
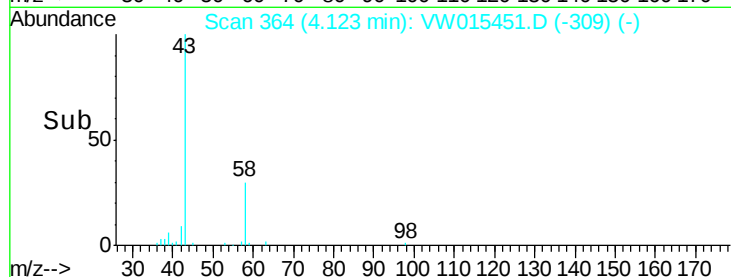
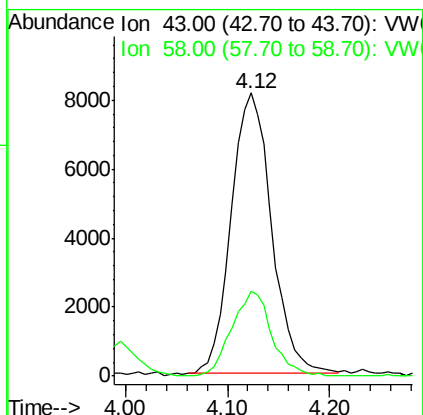
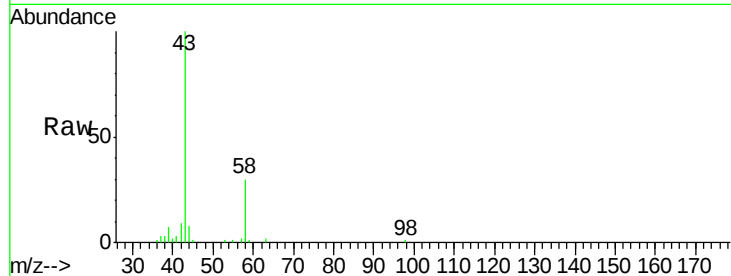




#13
Acetone
Concen: 27.431 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW015451.D
Acq: 22 May 2020 14:42

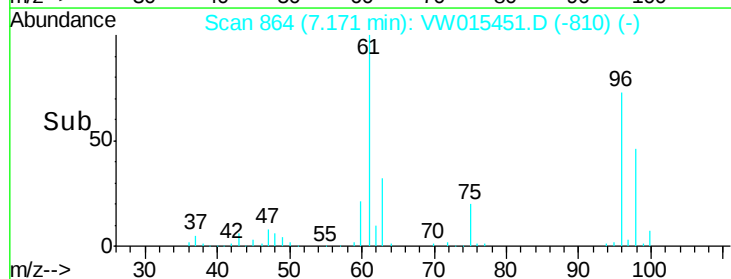
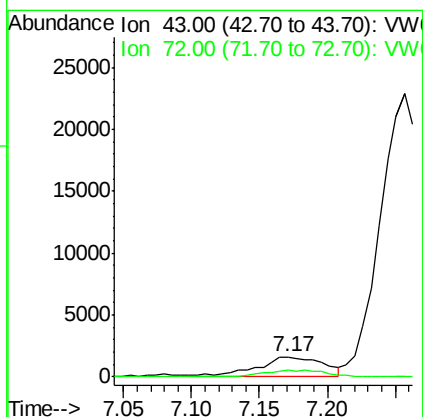
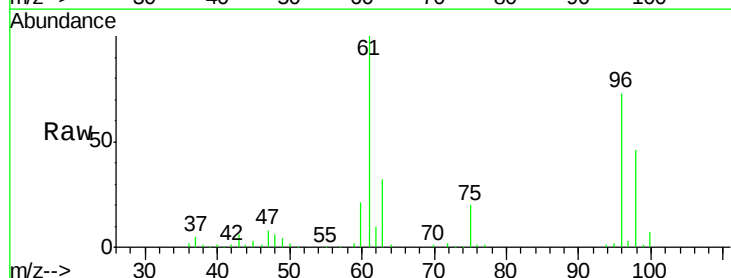
Instrument :
MSVOA_W
ClientSampleId :
GAXE4

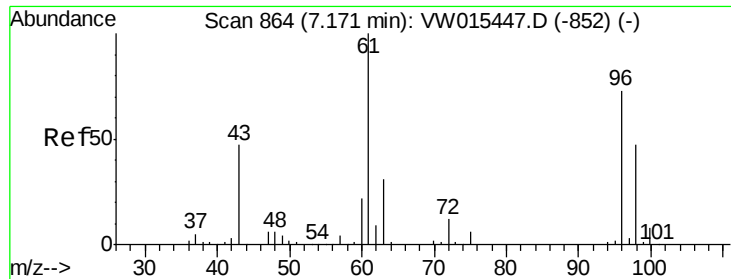
Tot Ion: 43 Resp: 22164
Ion Ratio Lower Upper
43 100
58 30.0 0.0 57.0



#21
2-Butanone
Concen: 4.208 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015451.D
Acq: 22 May 2020 14:42

Tgt Ion: 43 Resp: 5112
Ion Ratio Lower Upper
43 100
72 19.1 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 10.961 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015451.D

Acq: 22 May 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

GAXE4

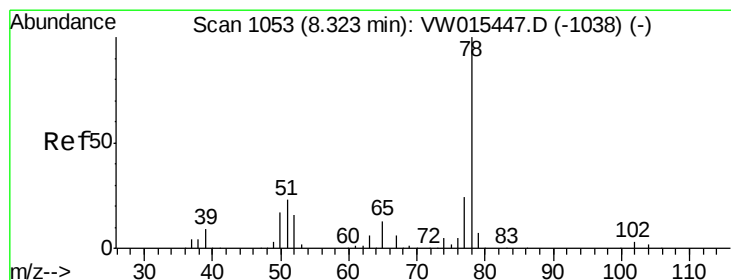
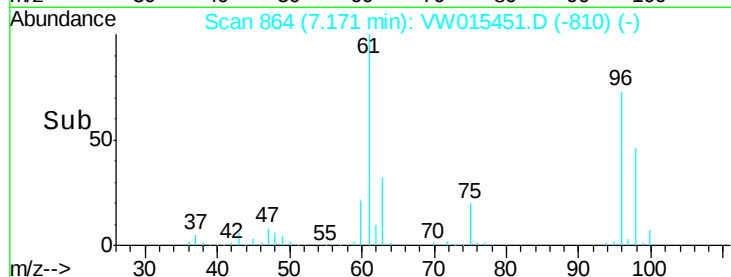
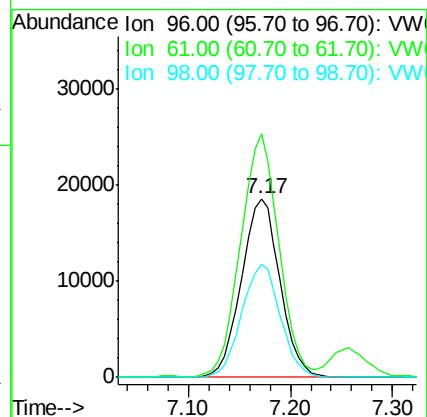
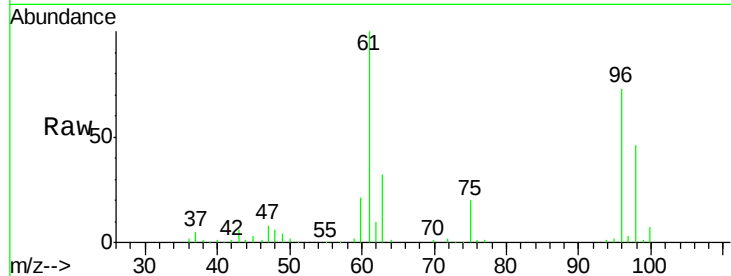
Tot Ion: 96 Resp: 48758

Ion Ratio Lower Upper

96 100

61 136.4 95.8 178.0

98 63.0 45.9 85.3



#34

Benzene

Concen: 0.506 ug/L

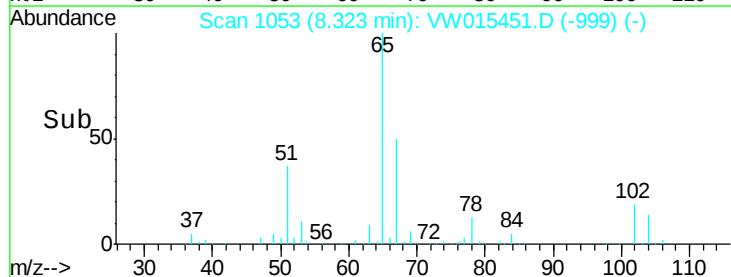
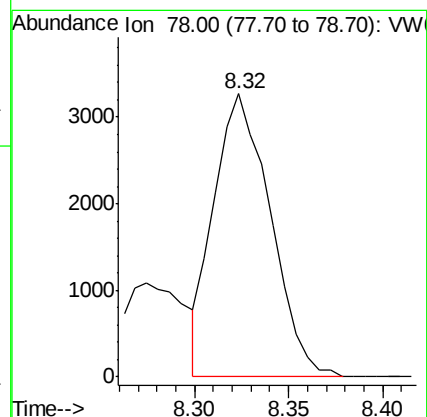
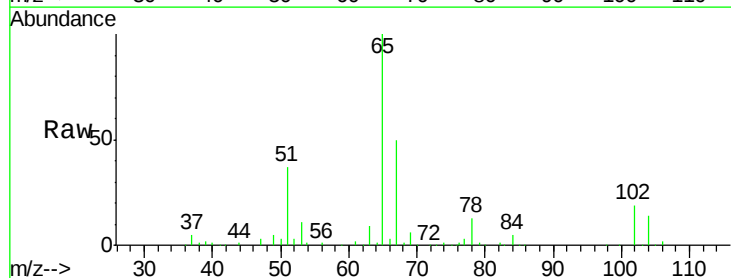
RT: 8.32 min Scan# 1053

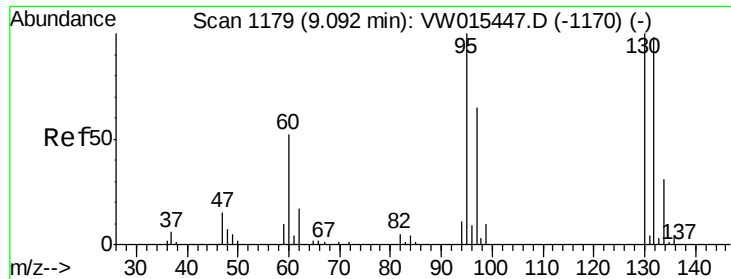
Delta R.T. 0.00 min

Lab File: VW015451.D

Acq: 22 May 2020 14:42

Tgt Ion: 78 Resp: 6795





#35

Trichloroethene

Concen: 11.924 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015451.D

Acq: 22 May 2020 14:42

Instrument :

MSVOA_W

ClientSampleId :

GAXE4

Tot Ion: 95 Resp: 42875

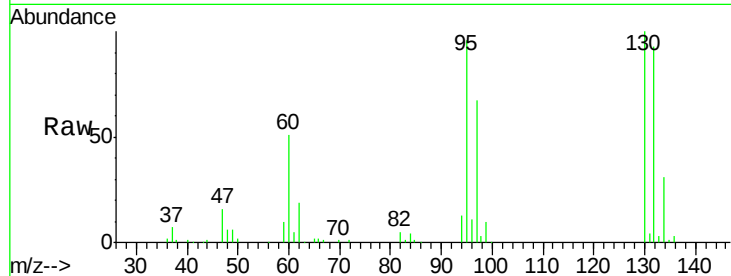
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.5

132 95.8 64.5 119.7

130 99.3 68.5 127.3



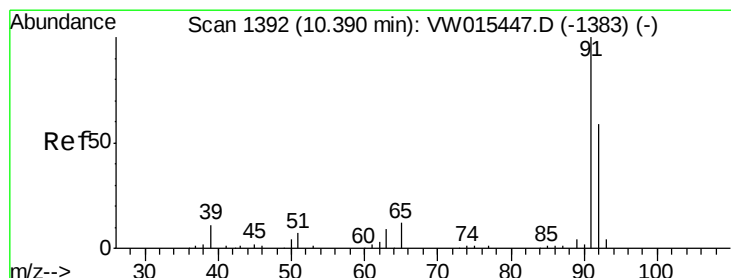
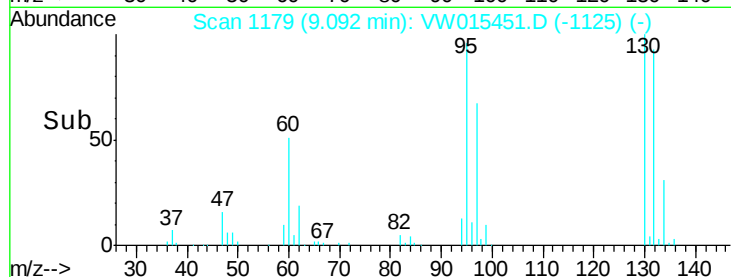
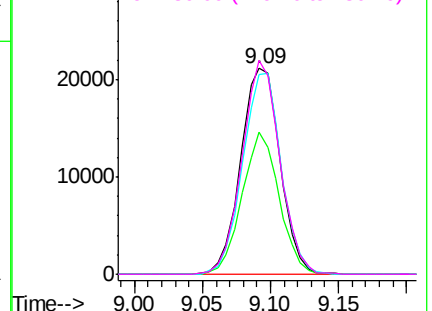
Abundance

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: 2.140 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015451.D

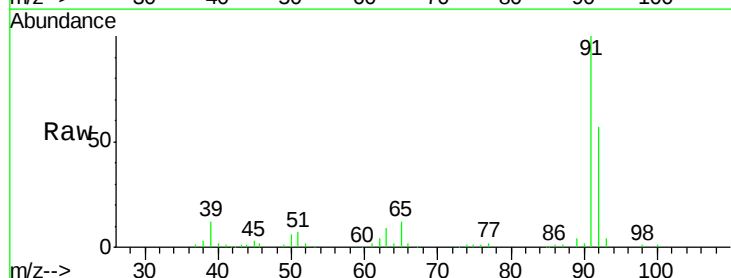
Acq: 22 May 2020 14:42

Tgt Ion: 91 Resp: 31382

Ion Ratio Lower Upper

91 100

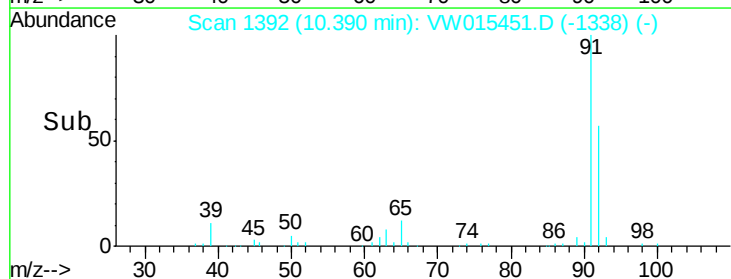
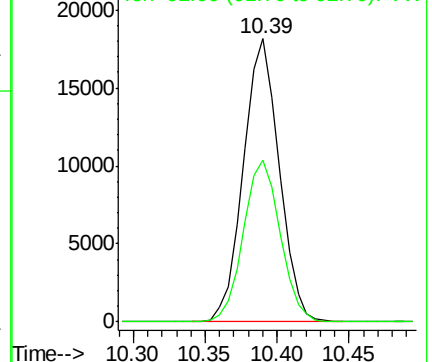
92 57.0 39.8 74.0

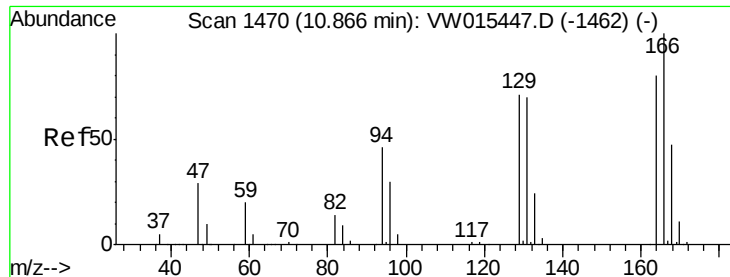


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 736.347 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015451.D

Acq: 22 May 2020 14:42

Instrument :

MSVOA_W

ClientSampled :

GAXE4

Tot Ion:164 Resp: 1986227

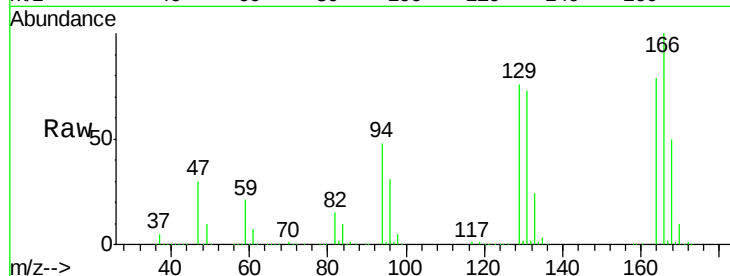
Ion Ratio Lower Upper

164 100

129 96.4 65.8 122.2

131 92.2 63.7 118.3

166 126.7 88.8 165.0

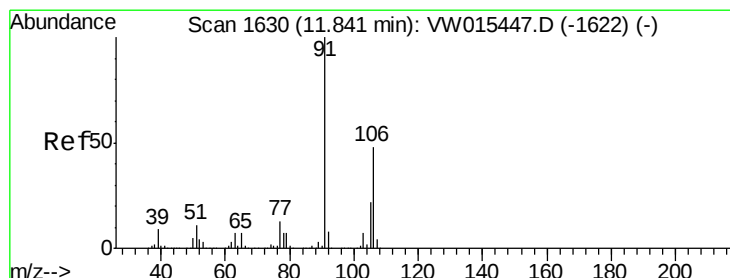
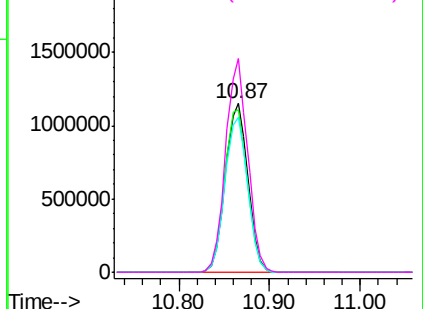
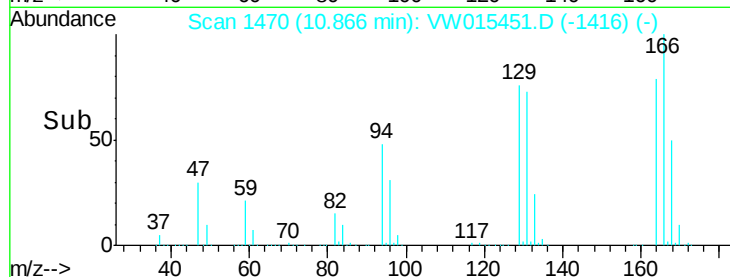


Abundance Ion 164.00 (163.70 to 164.70): V

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



#54

m,p-Xylene

Concen: 0.687 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015451.D

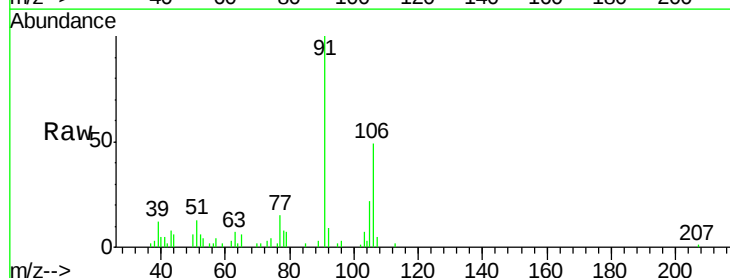
Acq: 22 May 2020 14:42

Tgt Ion:106 Resp: 4390

Ion Ratio Lower Upper

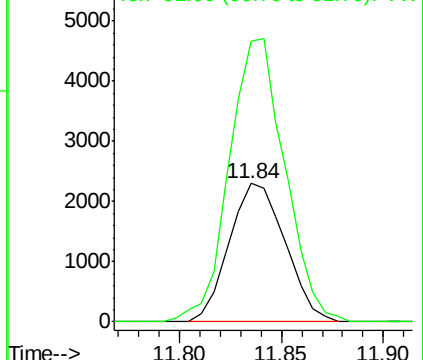
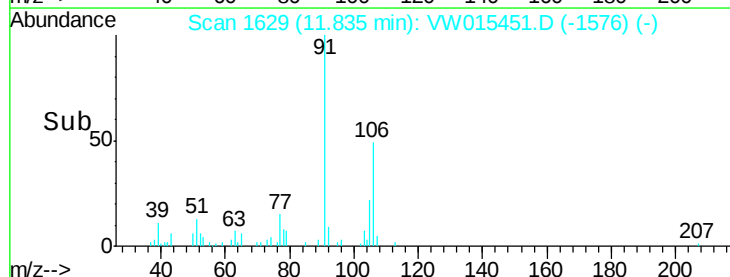
106 100

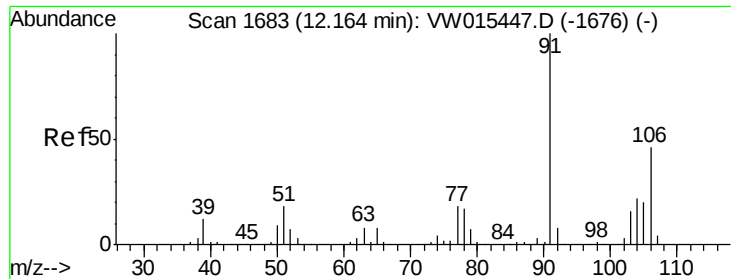
91 202.7 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#55
 o-xylene
 Concen: 0.312 ug/L
 RT: 12.17 min Scan# 1684
 Delta R.T. 0.01 min
 Lab File: VW015451.D
 Acq: 22 May 2020 14:42

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXE4

Tot Ion:106 Resp: 1919
 Ion Ratio Lower Upper
 106 100
 91 225.8 152.3 282.9

