

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015886.D
 Acq On : 21 Jul 2020 14:20
 Operator : SY/VA
 Sample : L3341-03MSD
 Misc : 6.31G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXY4MSD

Quant Time: Jul 23 17:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	430749	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400044	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177941	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140659	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
7) Chloroethane-d5	2.90	69	106751	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	4.02	63	265125	21.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.32%
20) 2-Butanone-d5	7.09	46	80029	50.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.24%
24) Chloroform-d	7.65	84	251585	20.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	8.31	65	152879	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.08%
29) Benzene-d6	8.28	84	504405	20.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.84%
33) 1,2-Dichloropropane-d6	9.28	67	155500	21.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.20%
37) Toluene-d8	10.33	98	469855	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.20%
38) trans-1,3-Dichloropropene-	10.58	79	68683	22.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.28%
39) 2-Hexanone-d5	10.93	63	62530	51.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132303	23.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	158304	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

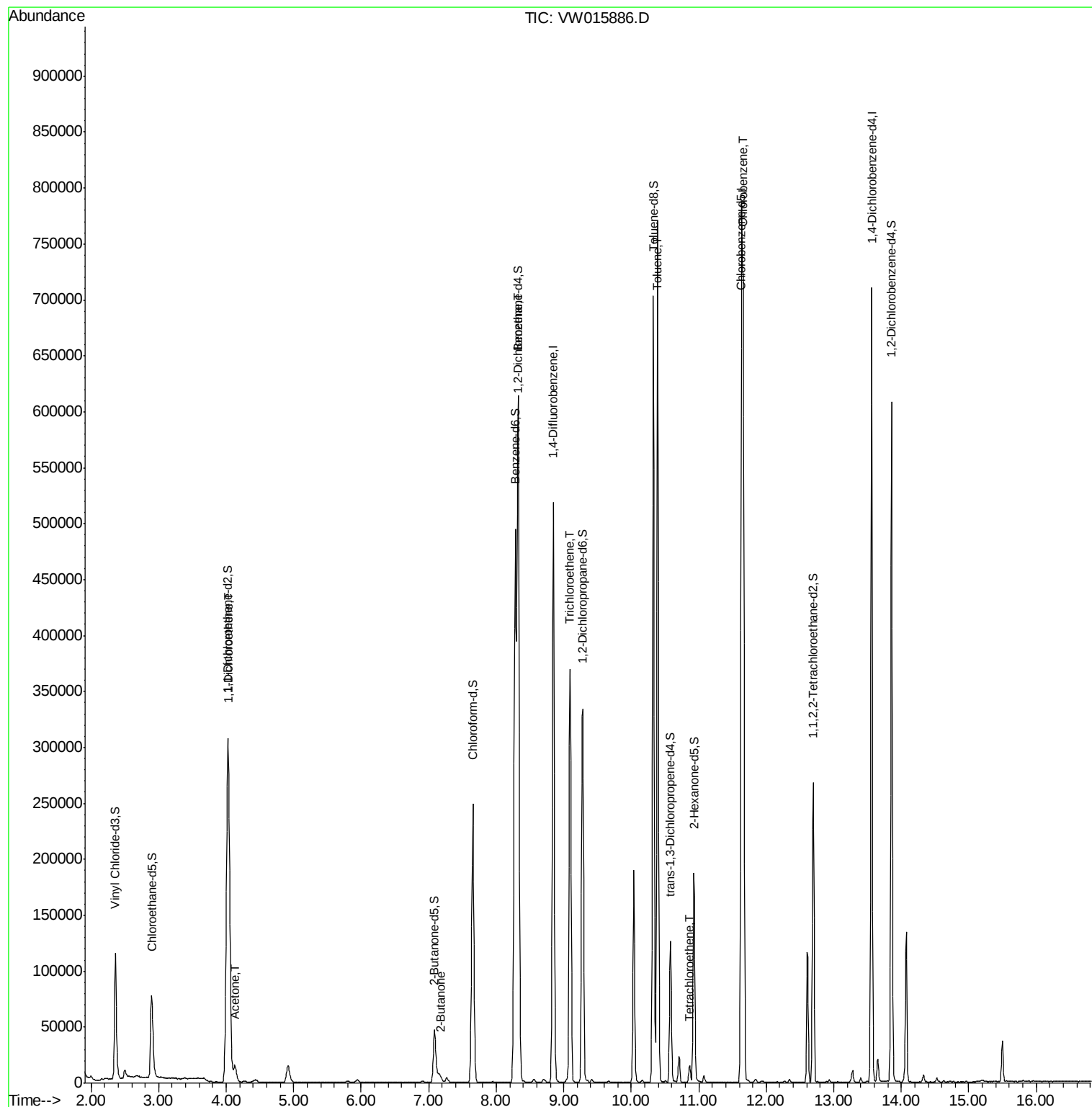
					Ovalue
12) 1,1-Dichloroethene	4.04	96	109248	19.730	ug/L 88
13) Acetone	4.13	43	24136	18.001	ug/L 99
21) 2-Butanone	7.18	43	4289	2.587	ug/L 88
34) Benzene	8.33	78	500194	20.587	ug/L 100
35) Trichloroethene	9.10	95	131975	20.533	ug/L 99
44) Toluene	10.39	91	546248	21.436	ug/L 99
47) Tetrachloroethene	10.87	164	3593	0.720	ug/L 88
52) Chlorobenzene	11.66	112	344298	21.085	ug/L 98

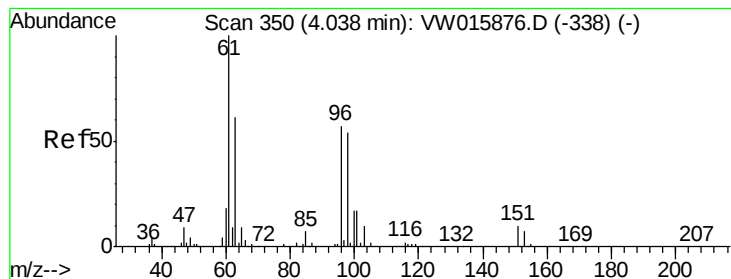
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 17:22:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 22 06:22:59 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 19.730 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Instrument :

MSVOA_W

ClientSampleId :

GAXY4MSD

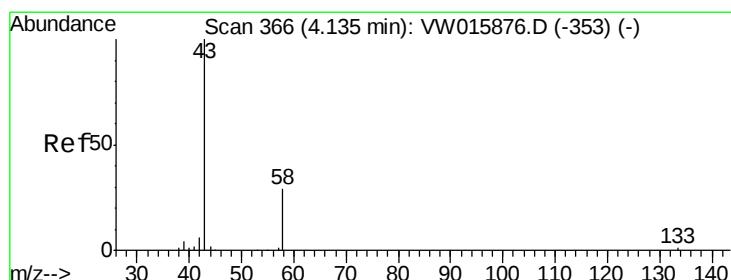
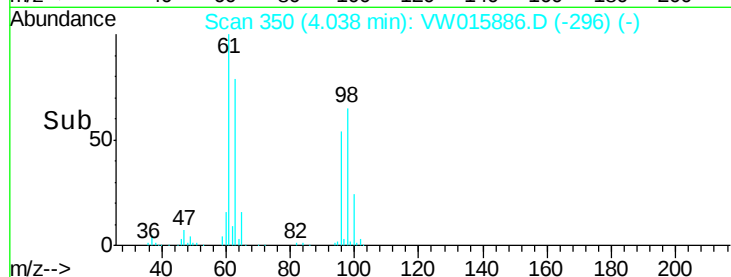
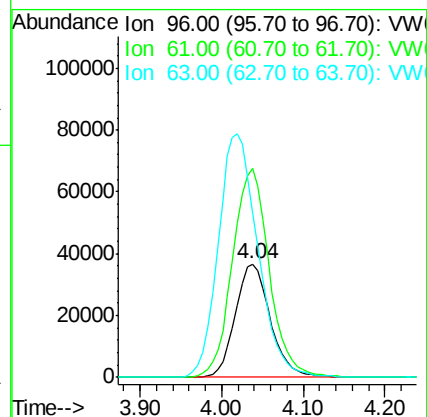
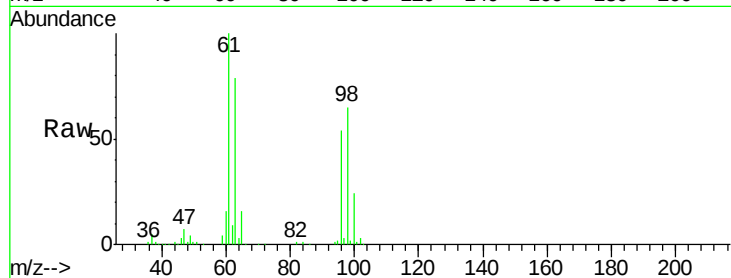
Tot Ion: 96 Resp: 109248

Ion Ratio Lower Upper

96 100

61 183.7 125.0 232.2

63 145.0 82.3 152.8



#13

Acetone

Concen: 18.001 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015886.D

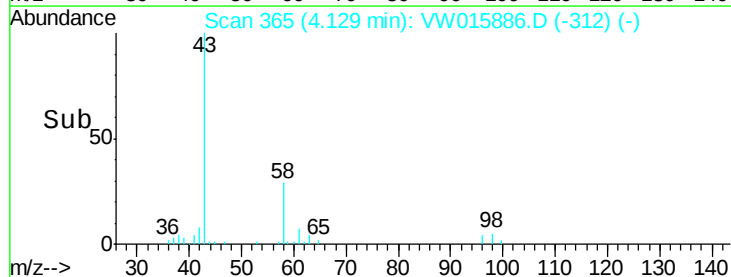
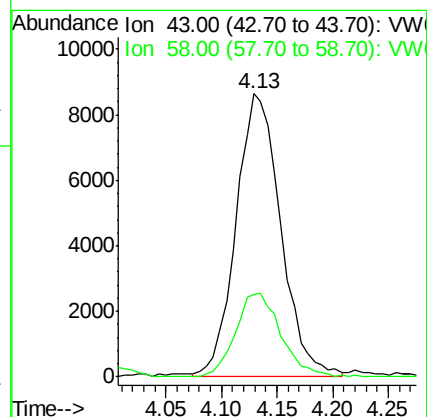
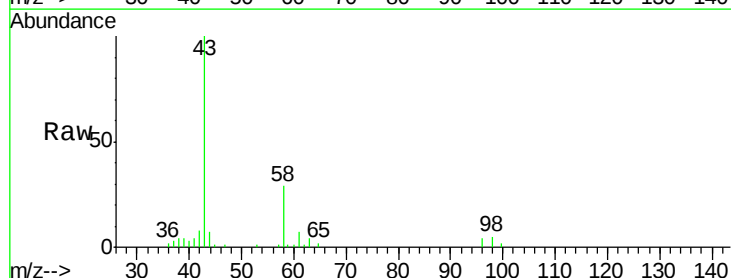
Acq: 21 Jul 2020 14:20

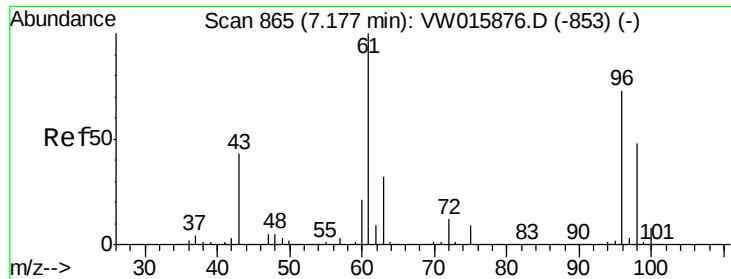
Tgt Ion: 43 Resp: 24136

Ion Ratio Lower Upper

43 100

58 29.8 0.0 58.2

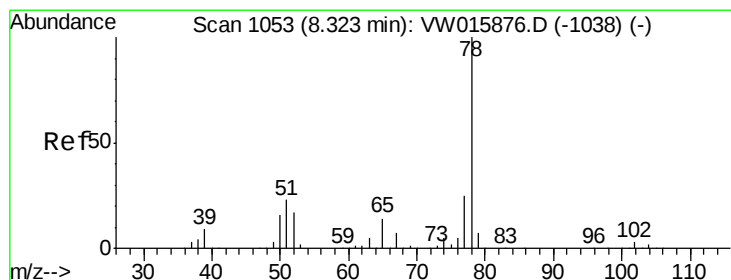
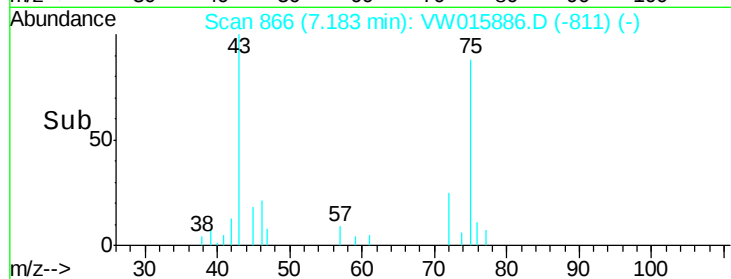
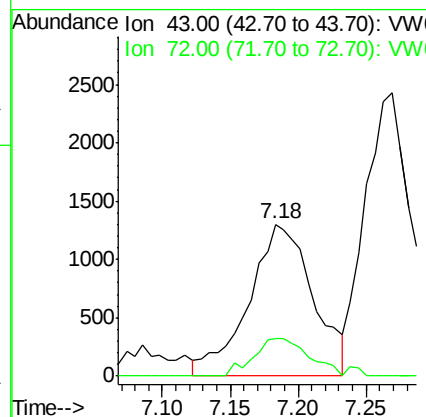
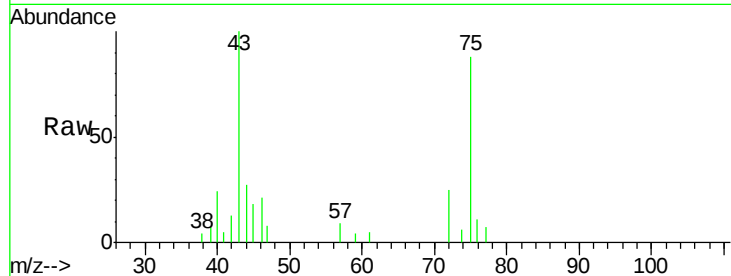




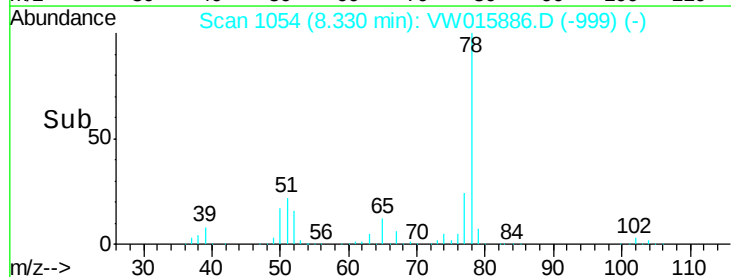
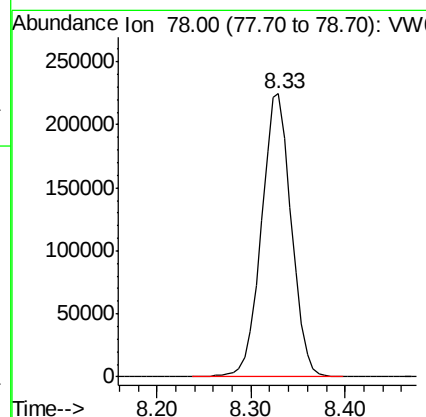
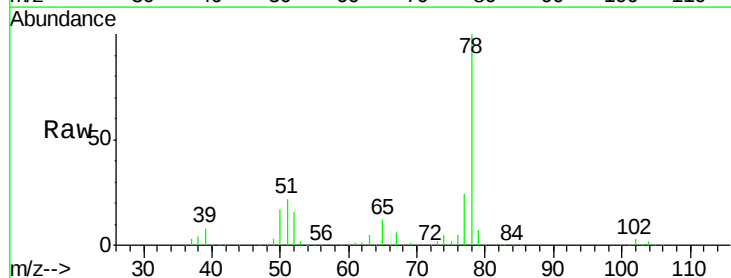
#21
2-Butanone
Concen: 2.587 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

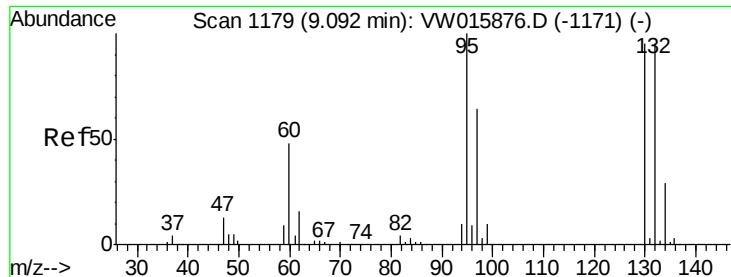
Instrument :
MSVOA_W
ClientSampled :
GAXY4MSD

Tot Ion: 43 Resp: 4289
Ion Ratio Lower Upper
43 100
72 21.4 13.9 41.7



#34
Benzene
Concen: 20.587 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20
Tgt Ion: 78 Resp: 500194





#35

Trichloroethene

Concen: 20.533 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Instrument :

MSVOA_W

ClientSampleId :

GAXY4MSD

Tot Ion: 95 Resp: 131975

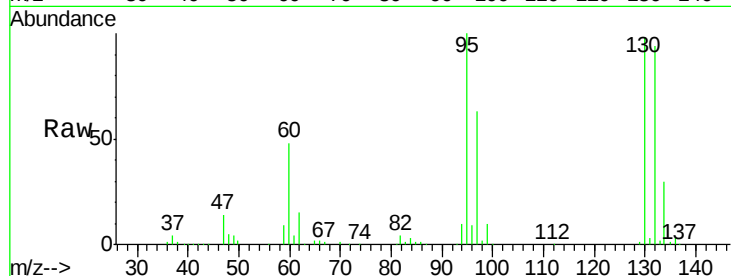
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 93.5 65.1 120.9

130 100.5 68.6 127.4

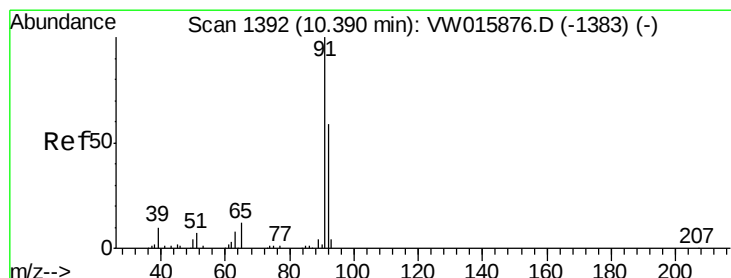
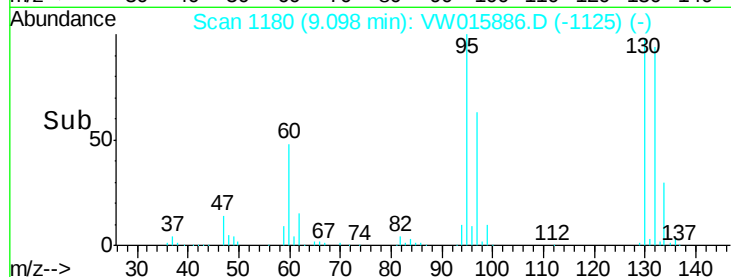
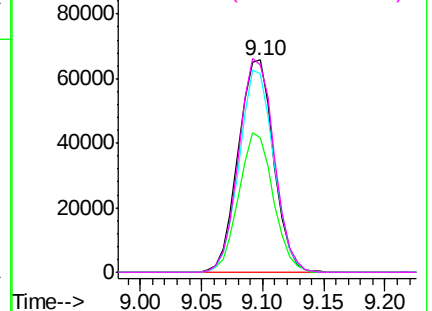


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 21.436 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015886.D

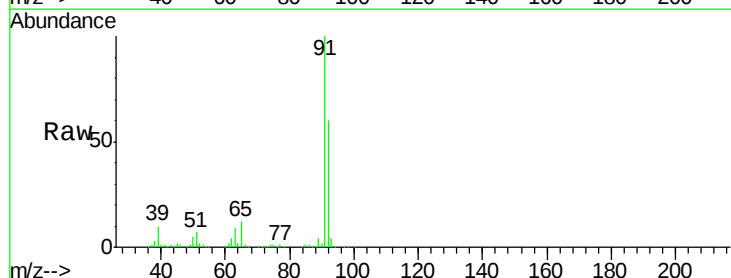
Acq: 21 Jul 2020 14:20

Tgt Ion: 91 Resp: 546248

Ion Ratio Lower Upper

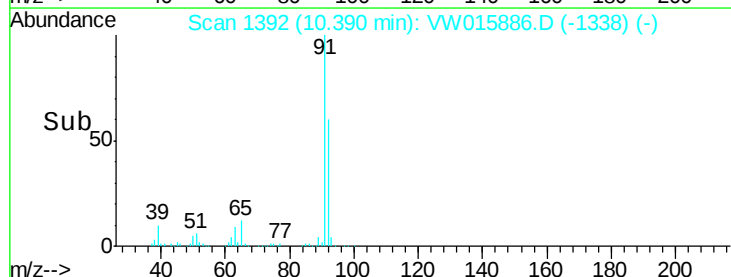
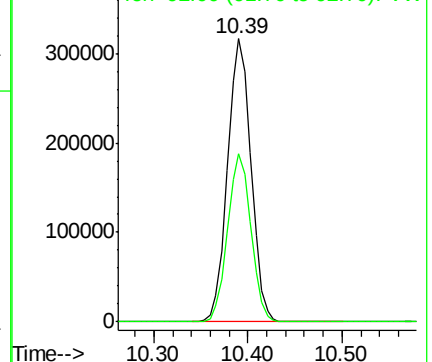
91 100

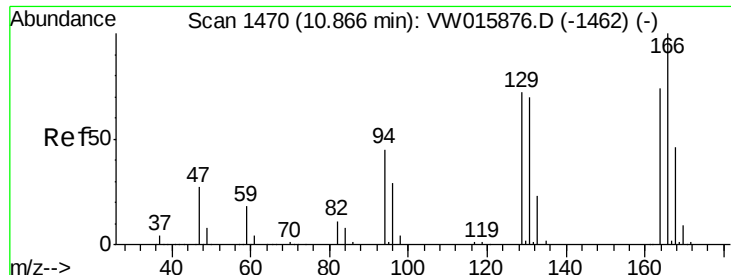
92 59.5 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

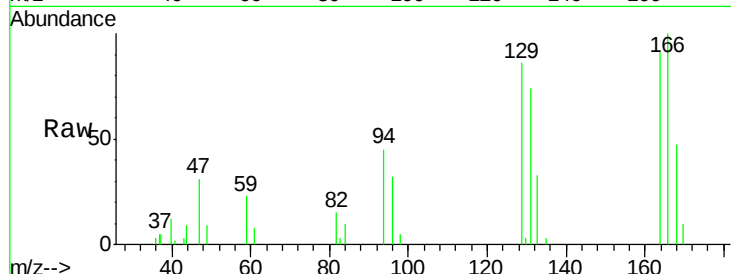




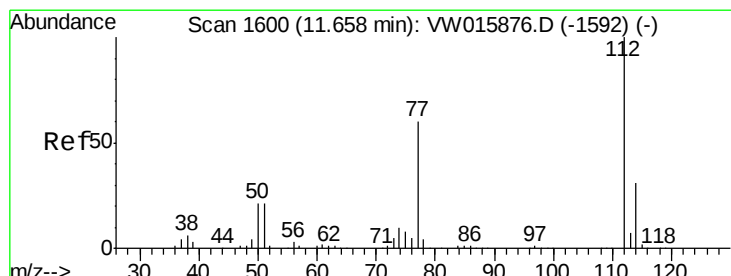
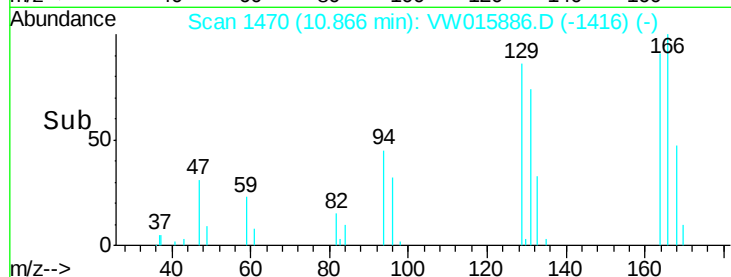
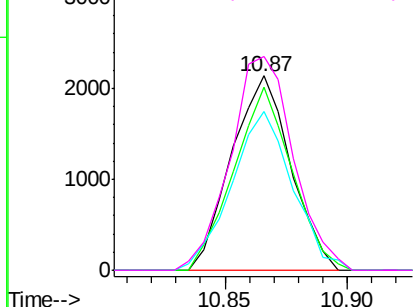
#47
Tetrachloroethene
Concen: 0.720 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

Instrument :
MSVOA_W
ClientSampleId :
GAXY4MSD

Tot Ion:164 Resp: 3593
Ion Ratio Lower Upper
164 100
129 94.4 70.0 130.0
131 81.4 67.3 124.9
166 109.9 88.5 164.3

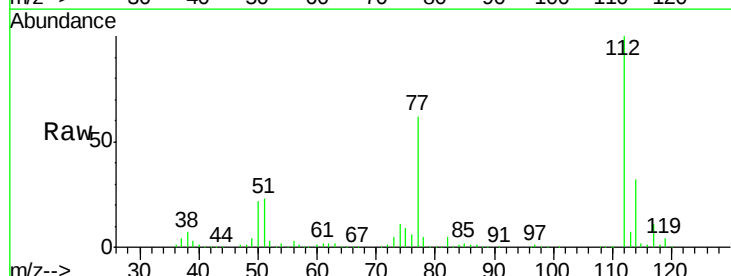


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#52
Chlorobenzene
Concen: 21.085 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

Tgt Ion:112 Resp: 344298
Ion Ratio Lower Upper
112 100
77 61.7 47.8 71.6
114 32.5 22.1 41.1



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

