

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013859.D
 Acq On : 31 Oct 2019 16:00
 Operator : SY/VA
 Sample : K5596-22MSD
 Misc : 6.75G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQC1MSD

Quant Time: Nov 01 03:49:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 02:10:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	285900	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143813	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	86928	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.88%
7) Chloroethane-d5	2.89	69	71183	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.60%
10) 1,1-Dichloroethene-d2	4.03	63	185116	21.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.00%
20) 2-Butanone-d5	7.07	46	77382	50.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.18%
24) Chloroform-d	7.65	84	199105	22.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	8.31	65	114182	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.00%
29) Benzene-d6	8.27	84	413441	22.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.84%
33) 1,2-Dichloropropane-d6	9.27	67	132041	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	381993	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.76%
38) trans-1,3-Dichloropropene-	10.58	79	52201	21.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.60%
39) 2-Hexanone-d5	10.93	63	64220	51.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126540	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	137115	24.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.04%

Target Compounds

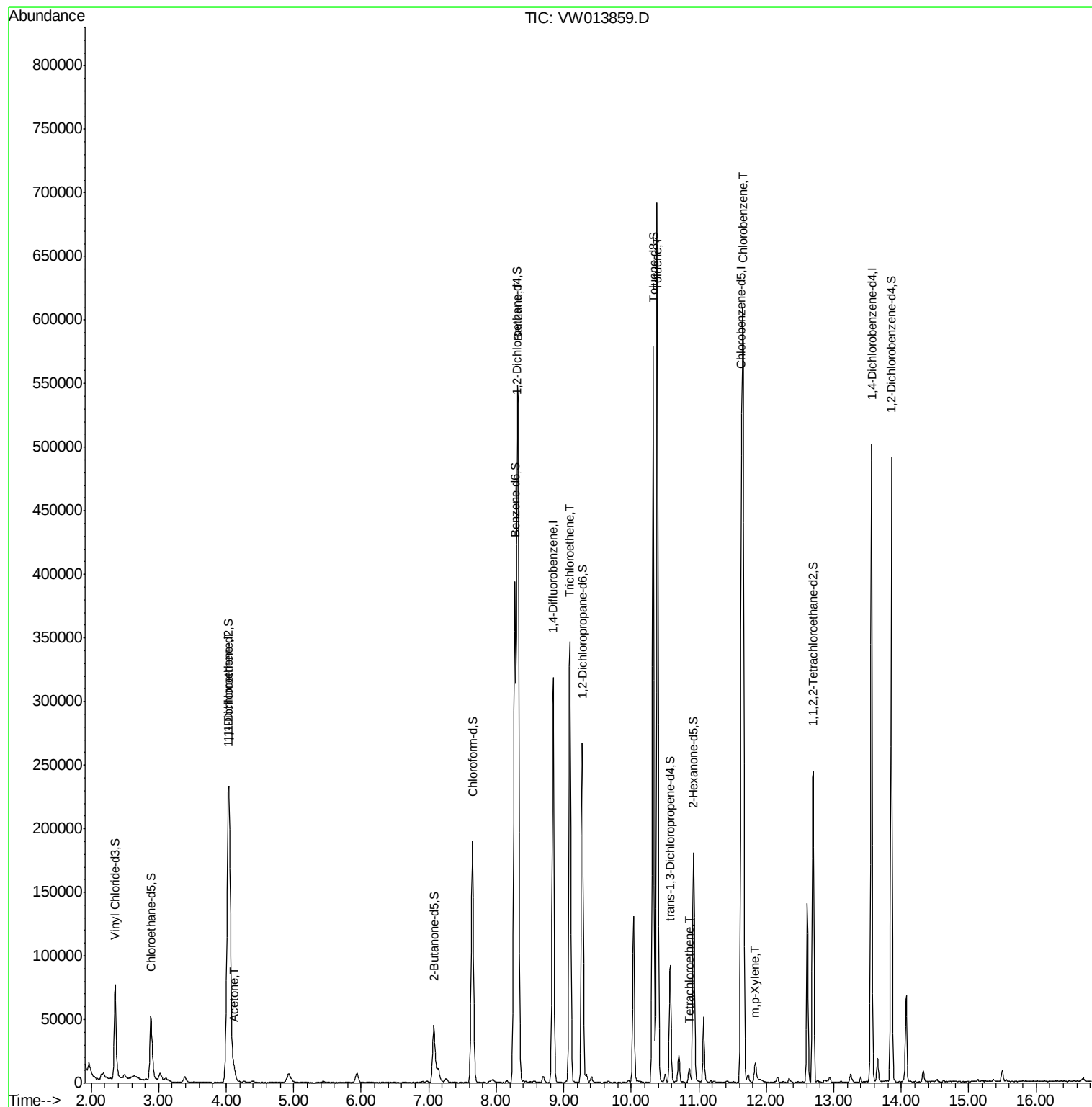
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.04	96	106509	22.501	ug/L	91
13) Acetone	4.12	43	12462	8.705	ug/L	99
34) Benzene	8.32	78	492040	25.532	ug/L	100
35) Trichloroethene	9.09	95	121328	23.855	ug/L	99
44) Toluene	10.39	91	533752	25.651	ug/L	97
47) Tetrachloroethene	10.86	164	3008	0.659	ug/L #	87
52) Chlorobenzene	11.66	112	330715	24.508	ug/L	99
54) m,p-Xylene	11.83	106	4254	0.473	ug/L	74

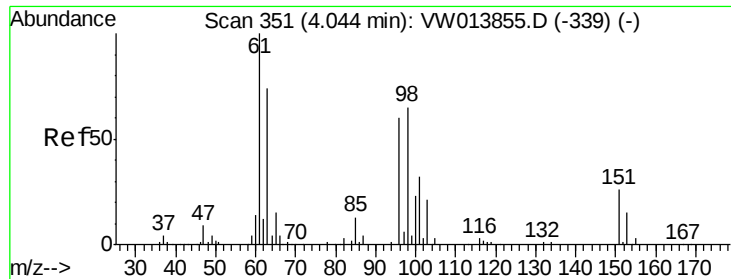
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
Data File : VW013859.D
Acq On : 31 Oct 2019 16:00
Operator : SY/VA
Sample : K5596-22MSD
Misc : 6.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQC1MSD

Quant Time: Nov 01 03:49:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 02:10:29 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.501 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013859.D

Acq: 31 Oct 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

GAQC1MSD

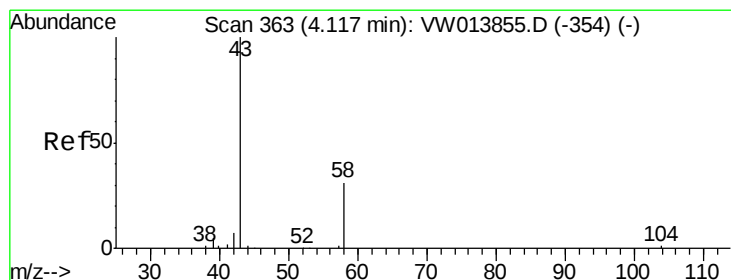
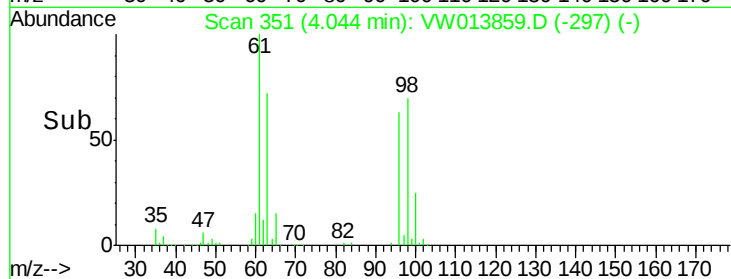
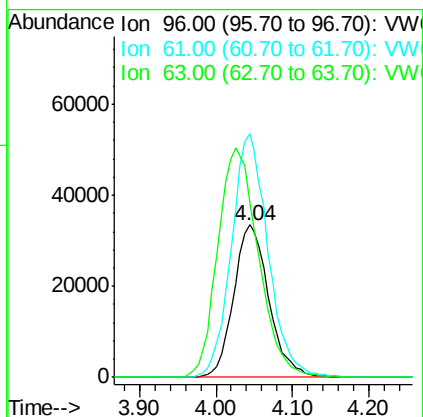
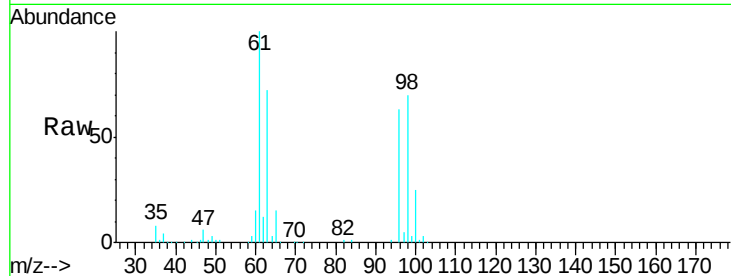
Tgt Ion: 96 Resp: 106509

Ion Ratio Lower Upper

96 100

61 159.9 110.4 205.0

63 114.8 95.5 177.3



#13

Acetone

Concen: 8.705 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013859.D

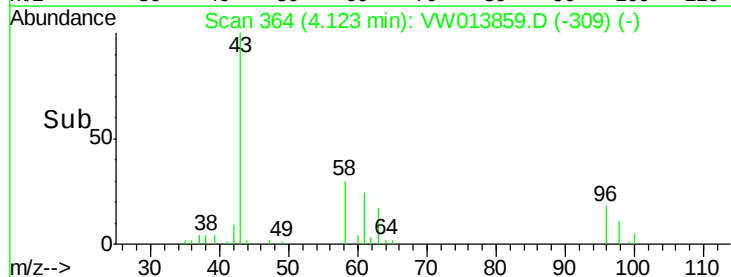
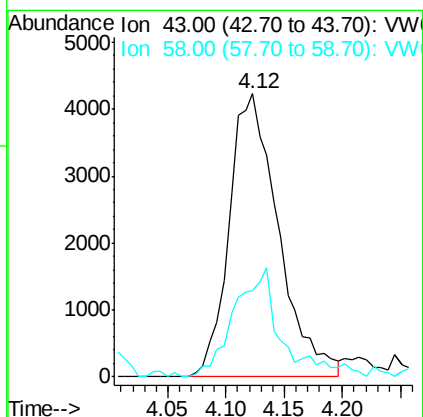
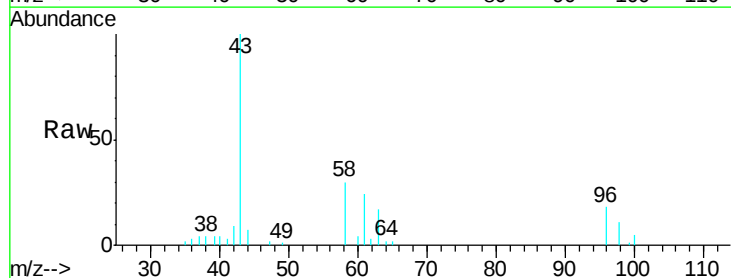
Acq: 31 Oct 2019 16:00

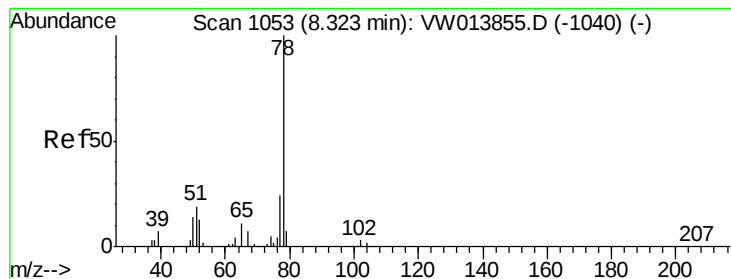
Tgt Ion: 43 Resp: 12462

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.4





#34

Benzene

Concen: 25.532 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW013859.D

Acq: 31 Oct 2019 16:00

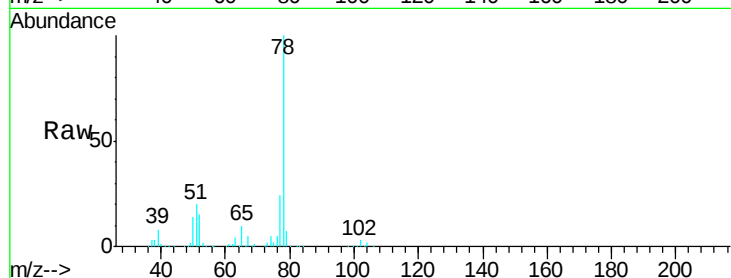
Instrument :

MSVOA_W

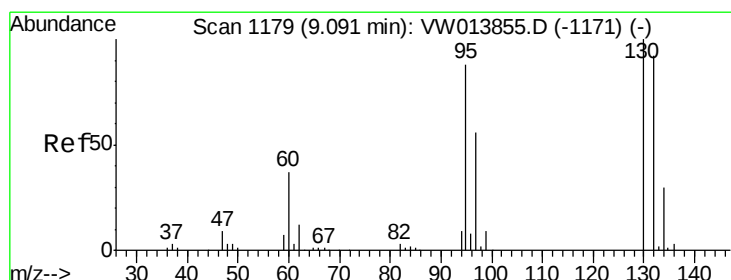
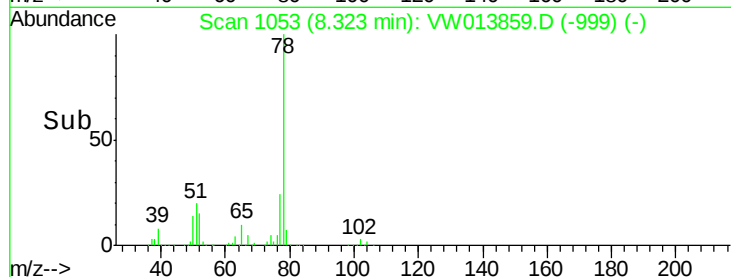
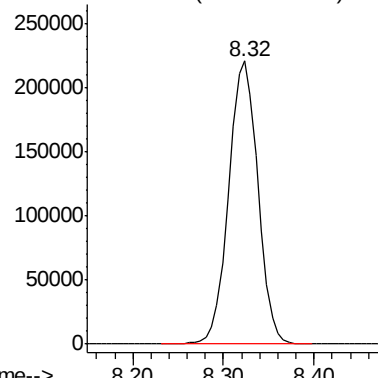
ClientSampleId :

GAQC1MSD

Tgt Ion: 78 Resp: 492040



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.855 ug/L

RT: 9.09 min Scan# 1179

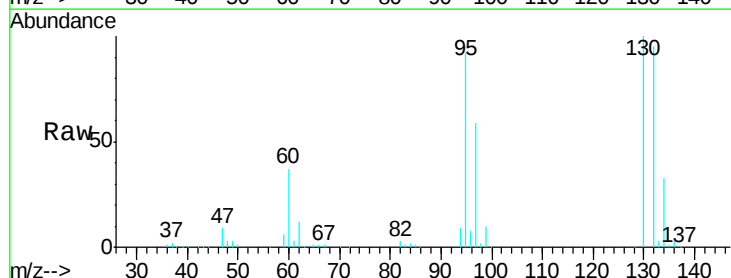
Delta R.T. 0.00 min

Lab File: VW013859.D

Acq: 31 Oct 2019 16:00

Tgt Ion: 95 Resp: 121328

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.0	83.6
132	104.6	72.4	134.4
130	110.2	76.6	142.3

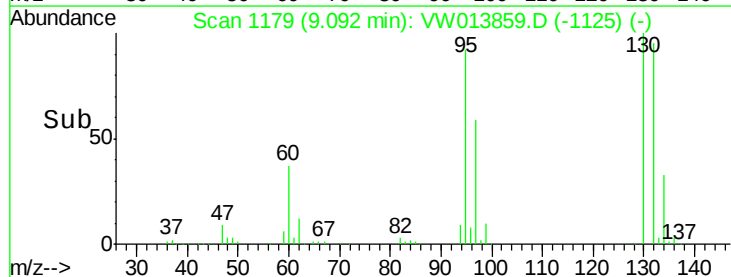


Abundance Ion 95.00 (94.70 to 95.70): VW

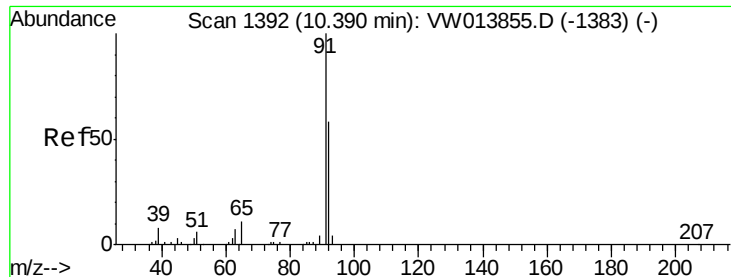
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#44

Toluene

Concen: 25.651 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW013859.D

Acq: 31 Oct 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

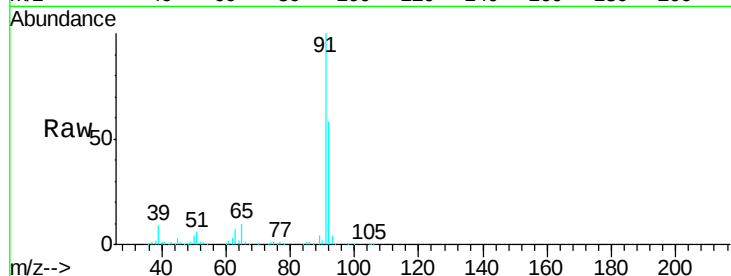
GAQC1MSD

Tgt Ion: 91 Resp: 533752

Ion Ratio Lower Upper

91 100

92 57.7 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

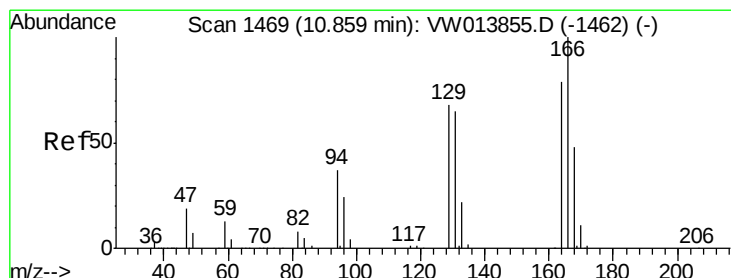
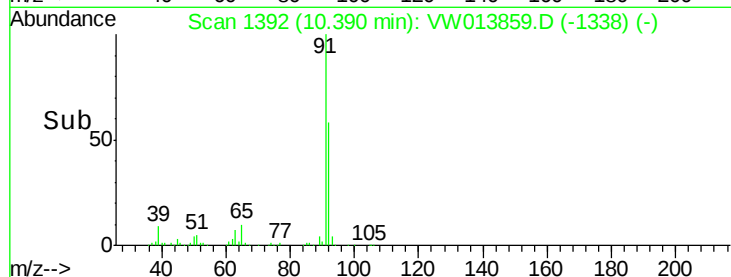
300000

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 0.659 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013859.D

Acq: 31 Oct 2019 16:00

Tgt Ion: 164 Resp: 3008

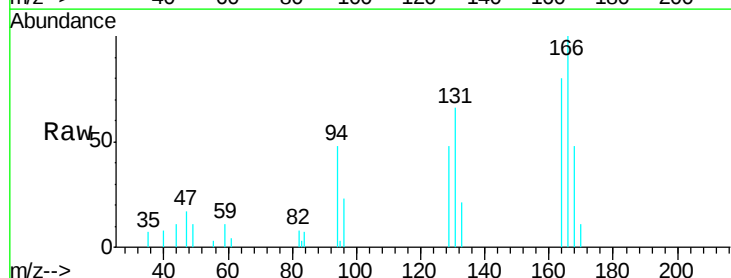
Ion Ratio Lower Upper

164 100

129 59.4 62.5 116.1#

131 81.8 59.8 111.0

166 124.4 91.6 170.0



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

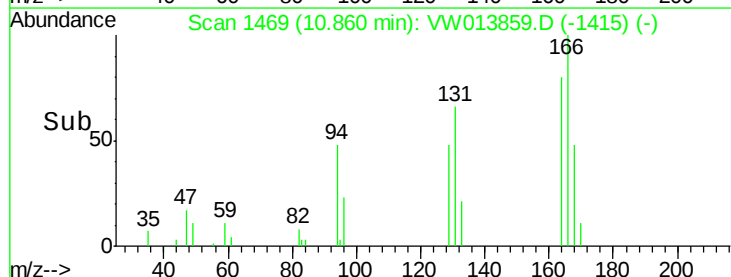
3000

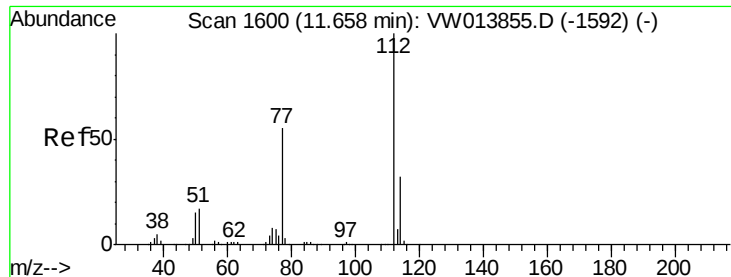
2000

1000

0

Time-->

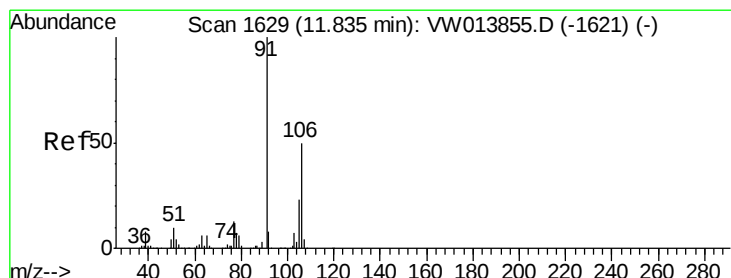
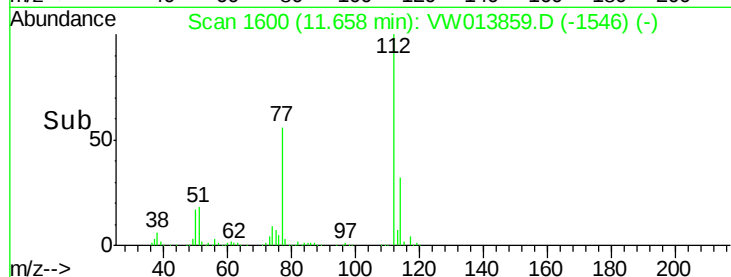
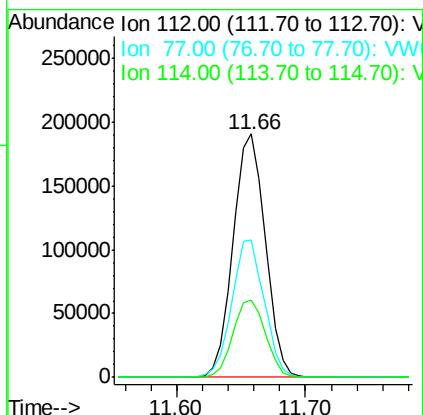
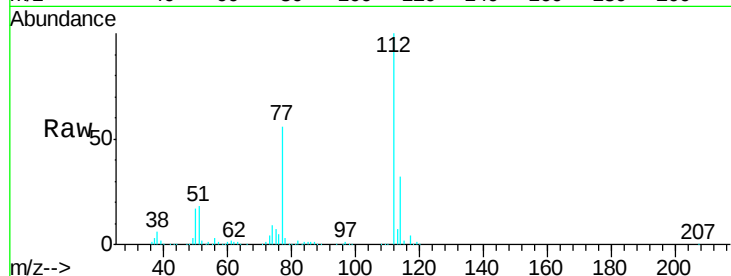




#52
Chlorobenzene
Concen: 24.508 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013859.D
Acq: 31 Oct 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
GAQC1MSD

Tgt Ion:112 Resp: 330715
Ion Ratio Lower Upper
112 100
77 56.2 44.7 67.1
114 31.8 23.1 42.9



#54
m,p-Xylene
Concen: 0.473 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013859.D
Acq: 31 Oct 2019 16:00

Tgt Ion:106 Resp: 4254
Ion Ratio Lower Upper
106 100
91 156.4 136.6 253.8

