

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
 Data File : VW004097.D
 Acq On : 21 Jul 2018 02:15
 Operator : SY/AP
 Sample : J4038-11MS
 Misc : 7.76G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 21 06:23:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 06:22:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312398	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	282147	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	102217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	57286	18.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.16%
7) Chloroethane-d5	2.89	69	43212	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.60%
10) 1,1-Dichloroethene-d2	4.02	63	162801	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.84%
20) 2-Butanone-d5	7.08	46	77586	42.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.64%
24) Chloroform-d	7.65	84	167666	22.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.44%
26) 1,2-Dichloroethane-d4	8.31	65	107184	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.00%
29) Benzene-d6	8.27	84	290465	22.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.80%
33) 1,2-Dichloropropane-d6	9.28	67	107517	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	10.33	98	242391	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.44%
38) trans-1,3-Dichloropropene-	10.59	79	41911	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.40%
39) 2-Hexanone-d5	10.93	63	53835	45.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.64%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	111892	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.60%
61) 1,2-Dichlorobenzene-d4	13.87	152	77099	23.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.84%

Target Compounds

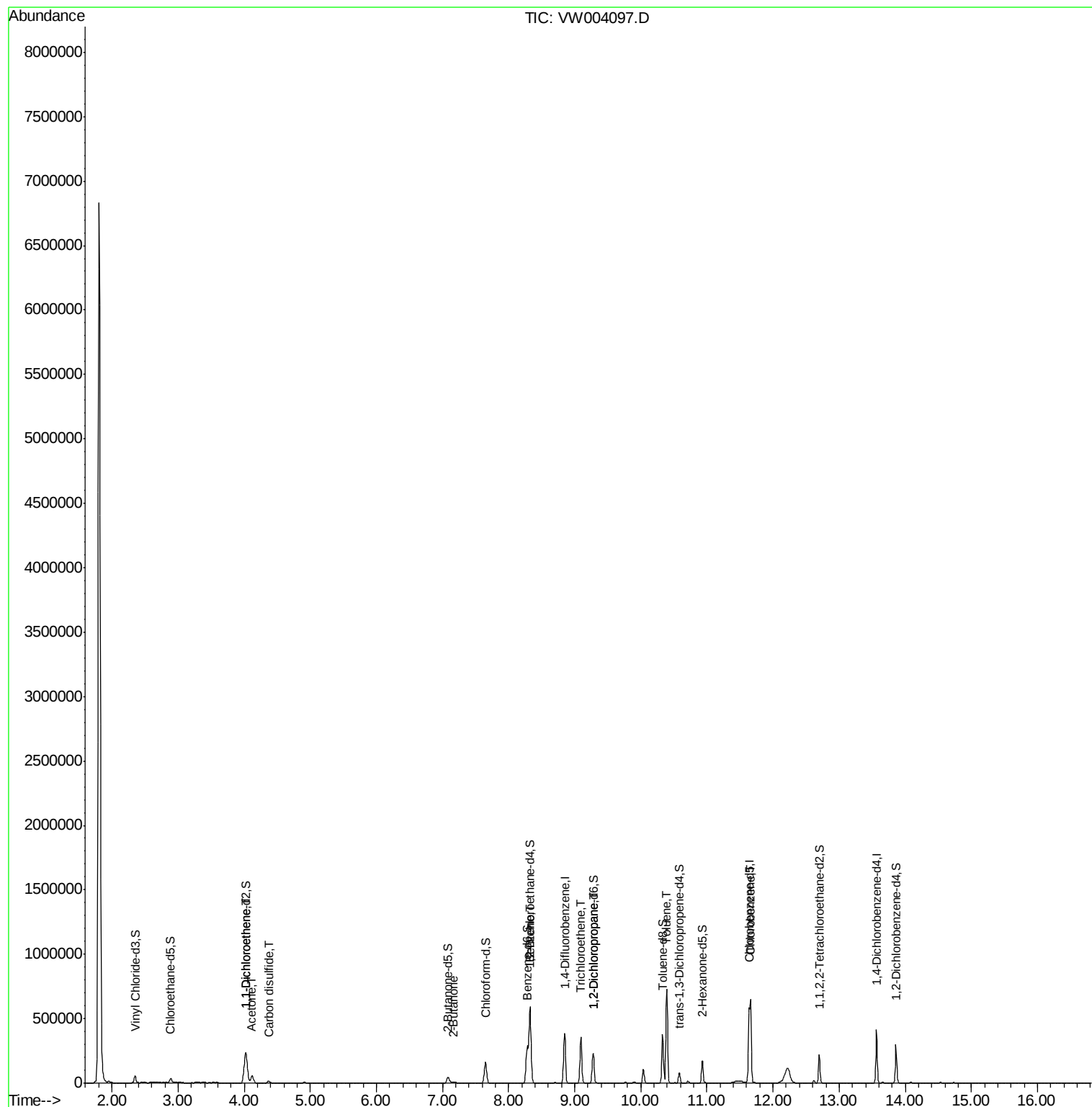
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	109049	26.224	ug/L	91
13) Acetone	4.12	43	95677	48.567	ug/L	100
14) Carbon disulfide	4.37	76	28197	2.096	ug/L	97
21) 2-Butanone	7.18	43	16283	6.662	ug/L	98
34) Benzene	8.33	78	504667	29.180	ug/L	100
35) Trichloroethene	9.09	95	123787	26.751	ug/L	99
40) 1,2-Dichloropropane	9.28	63	11934	2.545	ug/L #	89
44) Toluene	10.39	91	523288	28.875	ug/L	99
52) Chlorobenzene	11.66	112	306935	26.415	ug/L	99

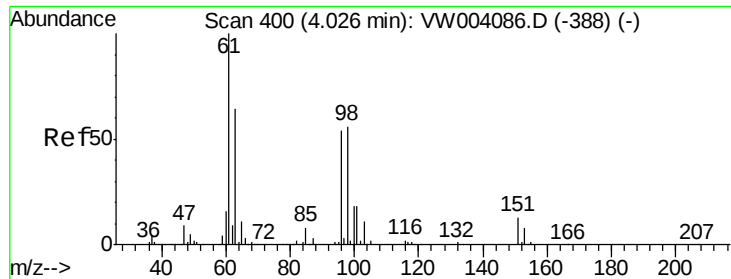
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jul 21 06:22:08 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.224 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

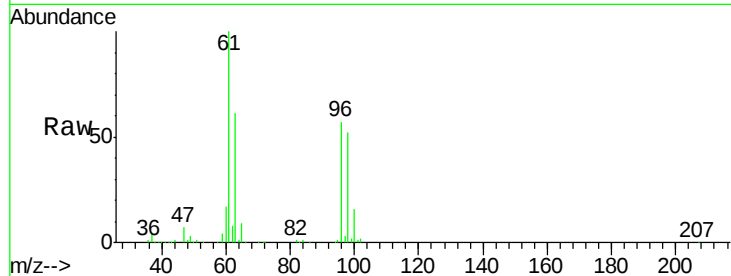
Lab File: VW004097.D

Acq: 21 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 109049

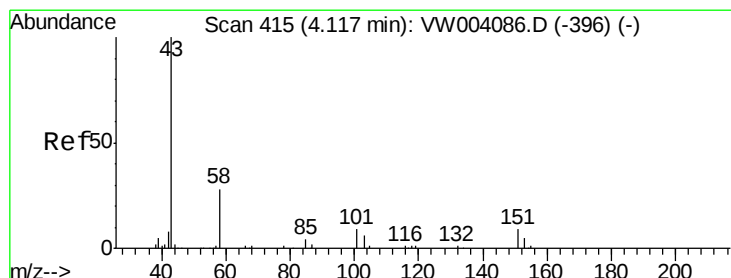
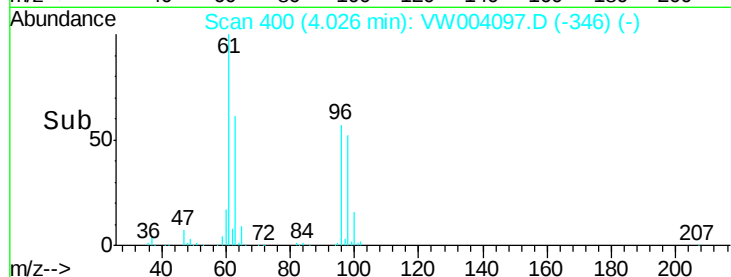
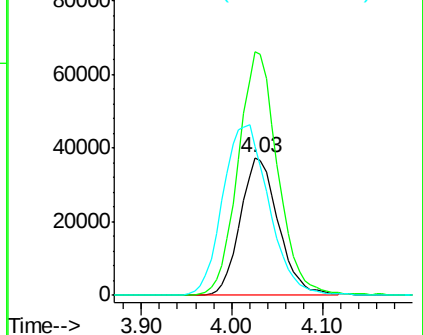
Ion	Ratio	Lower	Upper
96	100		
61	176.7	127.3	236.5
63	107.9	88.5	164.4



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 48.567 ug/L

RT: 4.12 min Scan# 415

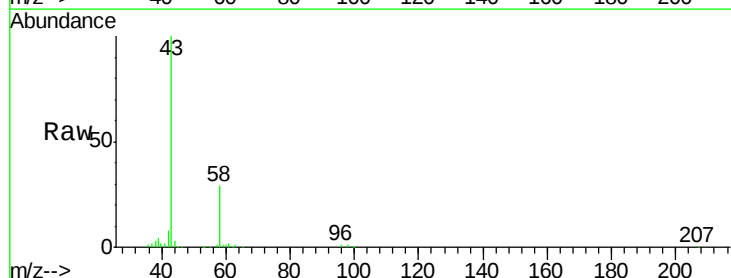
Delta R.T. -0.00 min

Lab File: VW004097.D

Acq: 21 Jul 2018 02:15

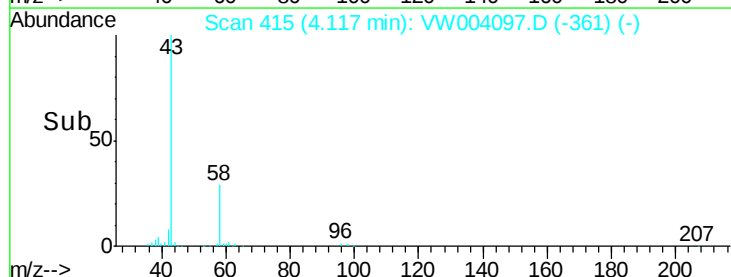
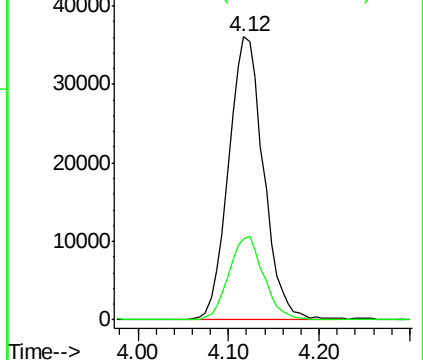
Tgt Ion: 43 Resp: 95677

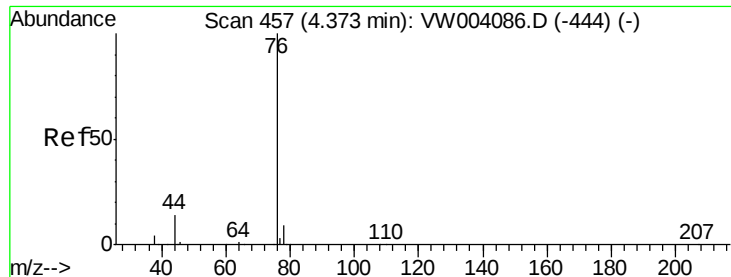
Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 2.096 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004097.D

Acq: 21 Jul 2018 02:15

Instrument :

MSVOA_W

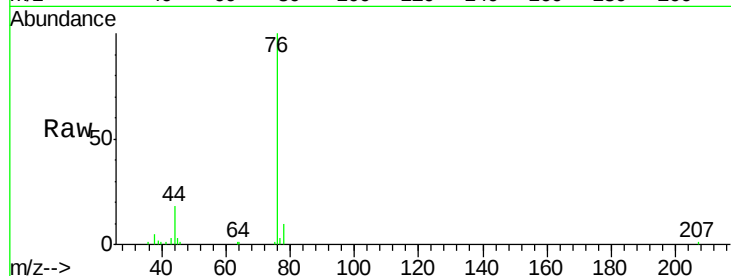
ClientSampled :

Tot Ion: 76 Resp: 28197

Ion Ratio Lower Upper

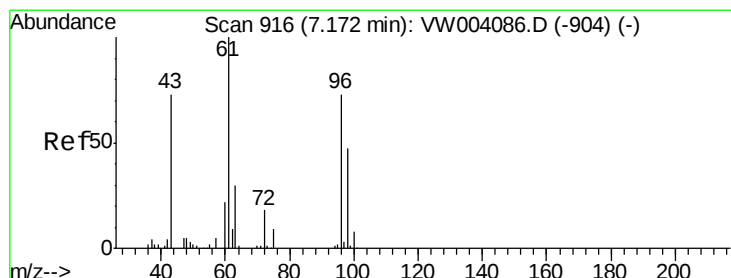
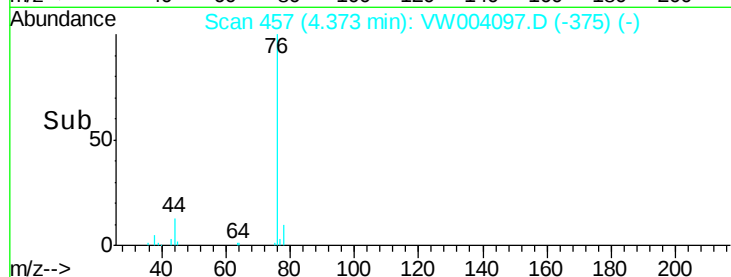
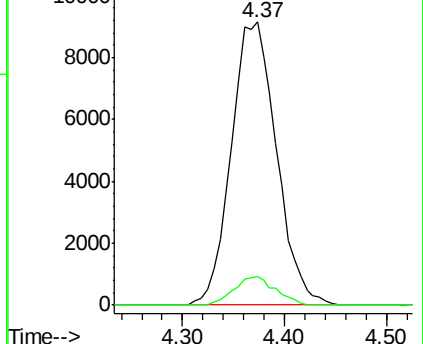
76 100

78 10.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#21

2-Butanone

Concen: 6.662 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW004097.D

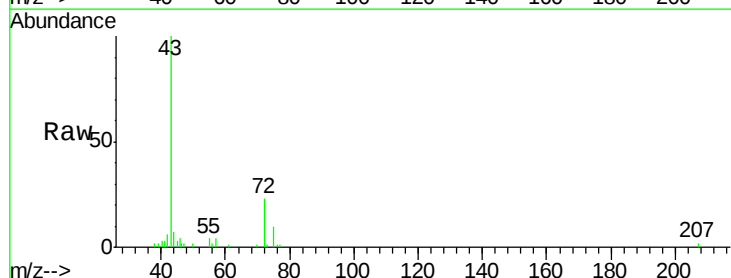
Acq: 21 Jul 2018 02:15

Tgt Ion: 43 Resp: 16283

Ion Ratio Lower Upper

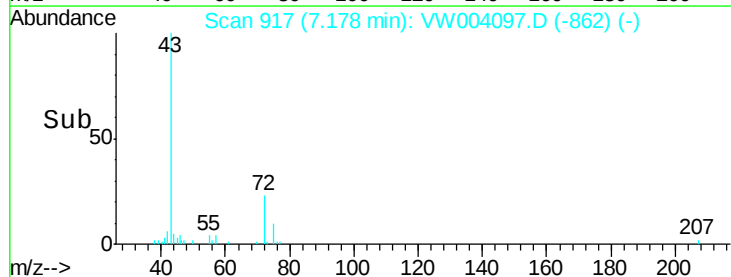
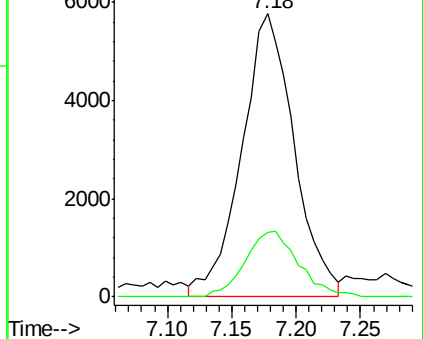
43 100

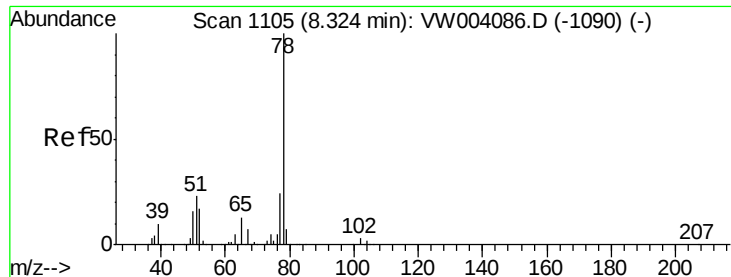
72 23.2 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 29.180 ug/L

RT: 8.33 min Scan# 1106

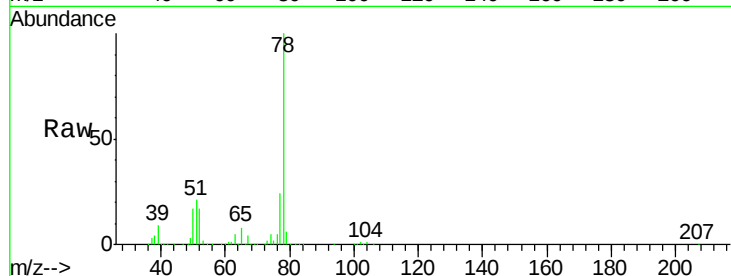
Delta R.T. 0.01 min

Lab File: VW004097.D

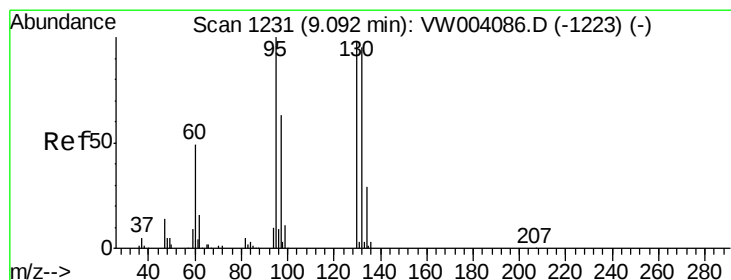
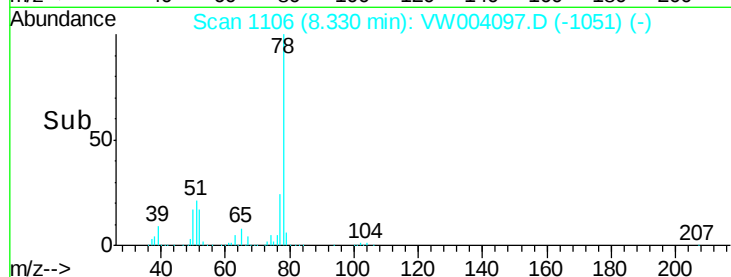
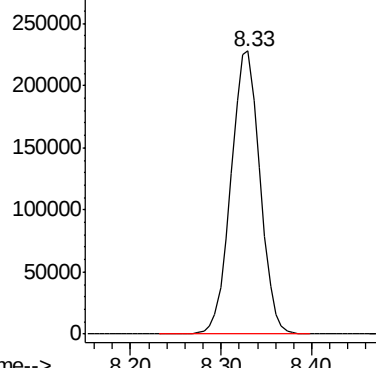
Acq: 21 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 78 Resp: 504667



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.751 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004097.D

Acq: 21 Jul 2018 02:15

Tgt Ion: 95 Resp: 123787

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.7	83.1
132	96.4	66.1	122.7
130	98.8	68.9	127.9

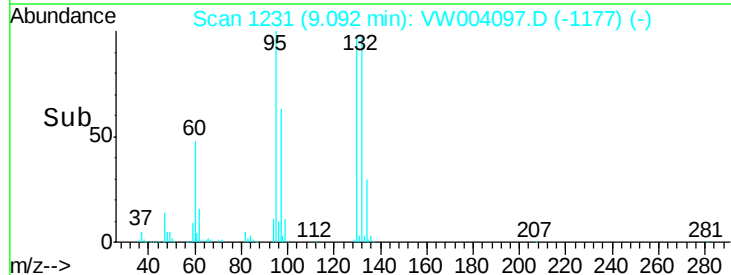
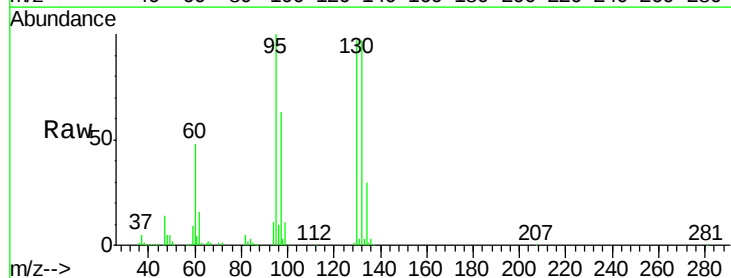
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

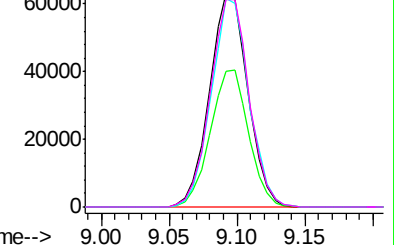
Ion 132.00 (131.70 to 132.70): V

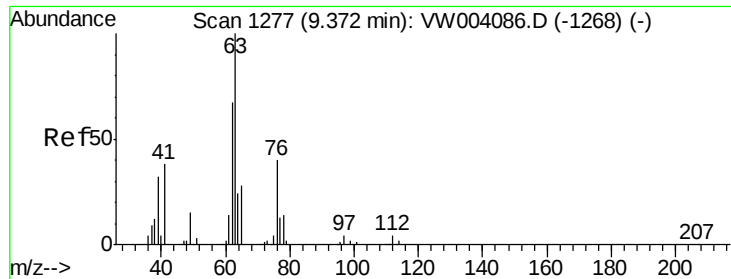
Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->

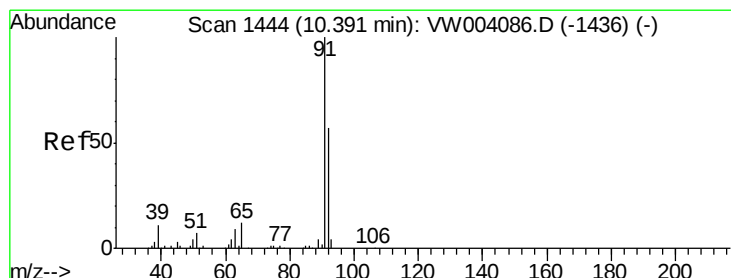
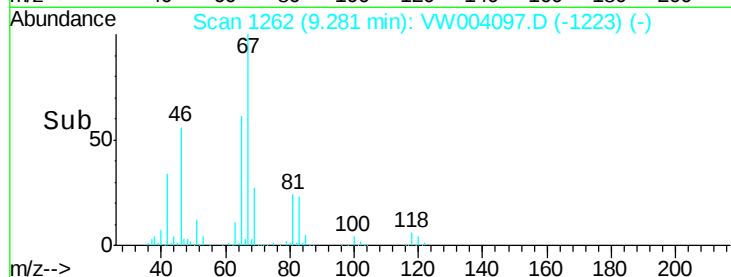
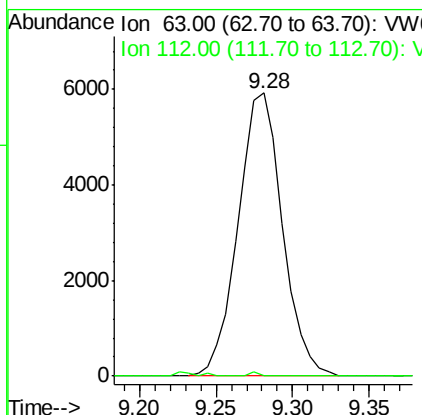
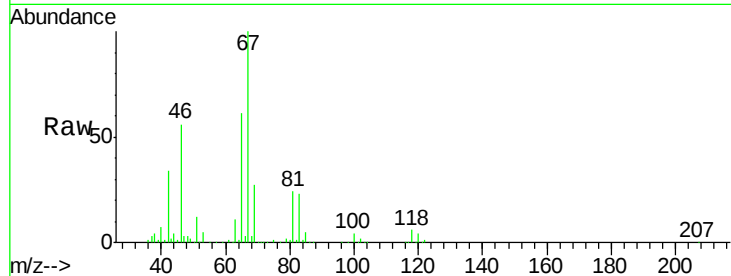




#40
 1,2-Dichloropropane
 Concen: 2.545 ug/L
 RT: 9.28 min Scan# 1262
 Delta R.T. -0.09 min
 Lab File: VW004097.D
 Acq: 21 Jul 2018 02:15

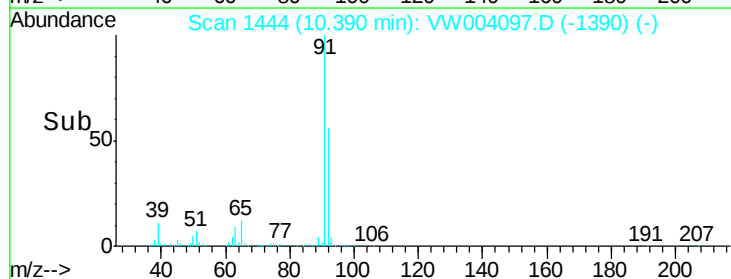
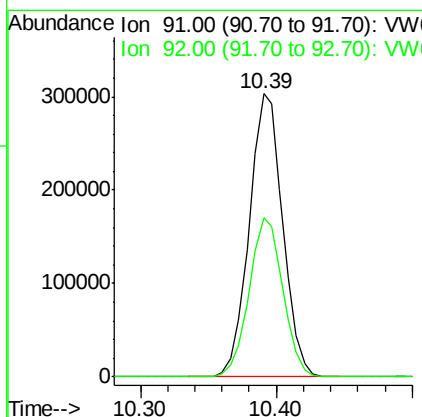
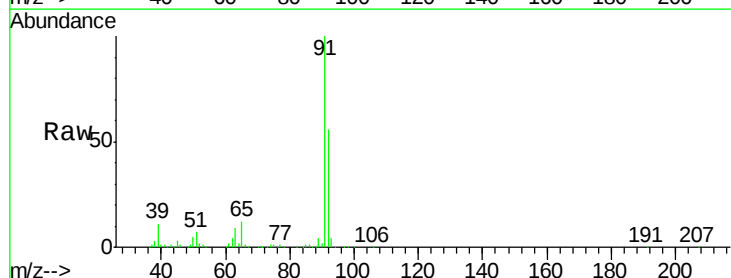
Instrument :
 MSVOA_W
 ClientSampleId :

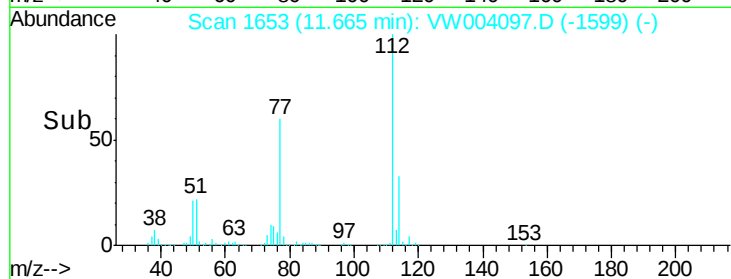
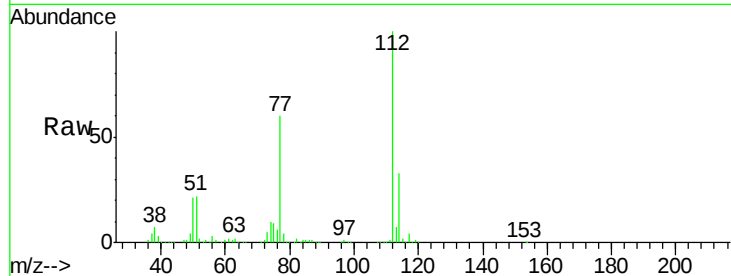
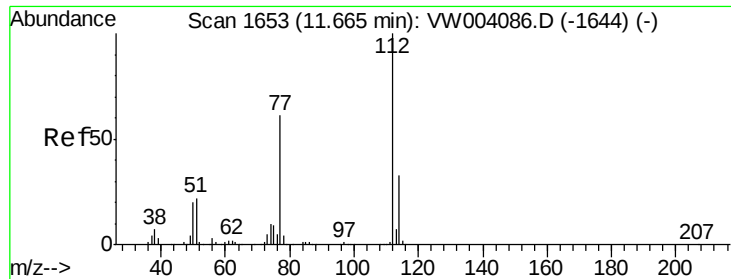
Tot Ion: 63 Resp: 11934
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.0 4.4#



#44
 Toluene
 Concen: 28.875 ug/L
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004097.D
 Acq: 21 Jul 2018 02:15

Tgt Ion: 91 Resp: 523288
 Ion Ratio Lower Upper
 91 100
 92 56.1 39.5 73.4





#52

Chlorobenzene

Concen: 26.415 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004097.D

Acq: 21 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:112 Resp: 306935

Ion Ratio Lower Upper

112 100

77 59.6 47.7 71.5

114 33.0 22.2 41.2

