

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010133.D
 Acq On : 25 Apr 2019 08:34
 Operator : SY/VA
 Sample : K2497-06MS
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 25 09:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 09:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	262533	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337821	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	152861	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	11988	4.78	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	19.12%#
7) Chloroethane-d5	2.90	69	24171	11.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.64%
10) 1,1-Dichloroethene-d2	4.01	63	29067	3.95	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	15.80%#
20) 2-Butanone-d5	7.08	46	78816	66.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.02%
24) Chloroform-d	7.65	84	193417	27.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	8.30	65	153406	37.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	150.12%#
29) Benzene-d6	8.27	84	318517	16.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	66.60%
33) 1,2-Dichloropropane-d6	9.27	67	148174	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	10.32	98	273172	15.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	62.88%
38) trans-1,3-Dichloropropene-	10.58	79	56431	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.12%
39) 2-Hexanone-d5	10.93	63	49568	39.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144955	29.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	143881	25.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.68%

Target Compounds

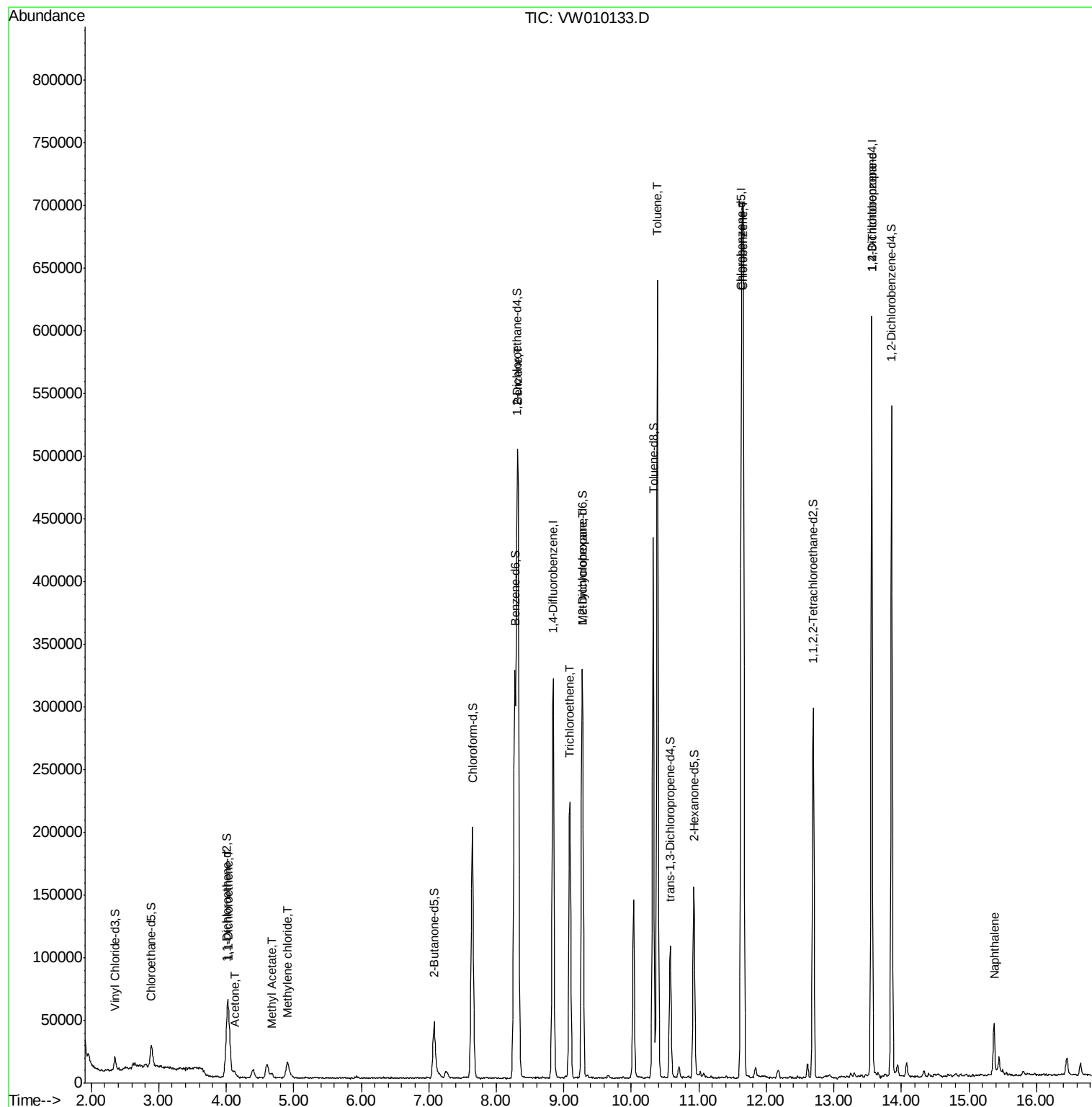
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	27363	8.043	ug/L #	69
13) Acetone	4.13	43	6691	7.481	ug/L	71
15) Methyl Acetate	4.68	43	6352	3.002	ug/L #	74
16) Methylene chloride	4.91	84	9500	2.582	ug/L	97
34) Benzene	8.32	78	387469	18.857	ug/L	100
35) Trichloroethene	9.09	95	77210	14.247	ug/L	99
36) Methylcyclohexane	9.27	83	35084	3.863	ug/L #	17
44) Toluene	10.39	91	466225	21.434	ug/L	96
52) Chlorobenzene	11.66	112	341411	24.806	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	18480	5.011	ug/L	90
69) Naphthalene	15.38	128	37480	2.615	ug/L	99

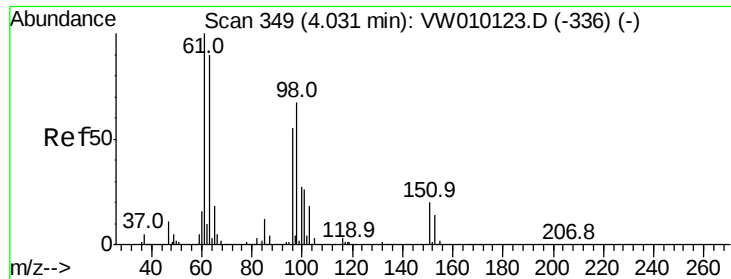
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 25 09:08:51 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 8.043 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010123.D

Acq: 25 Apr 2019 08:34

Instrument :

MSVOA_W

ClientSampled :

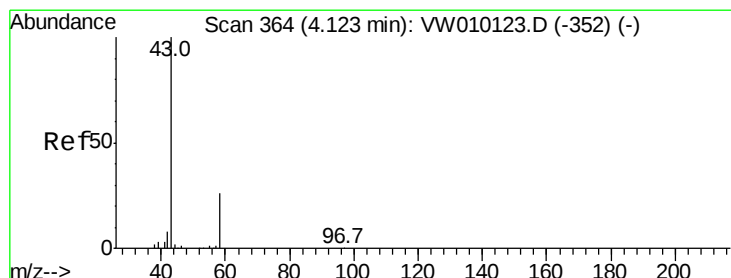
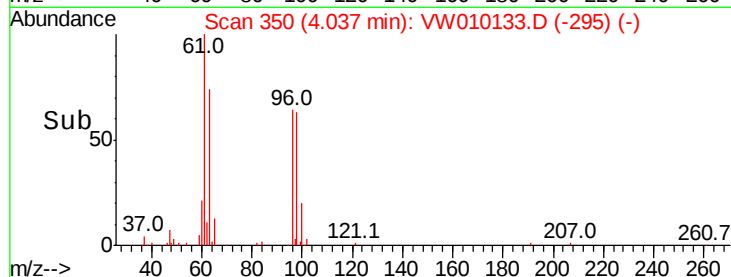
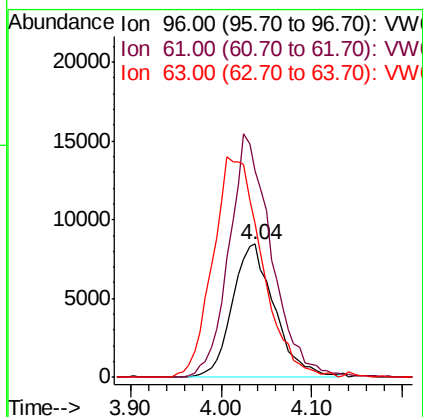
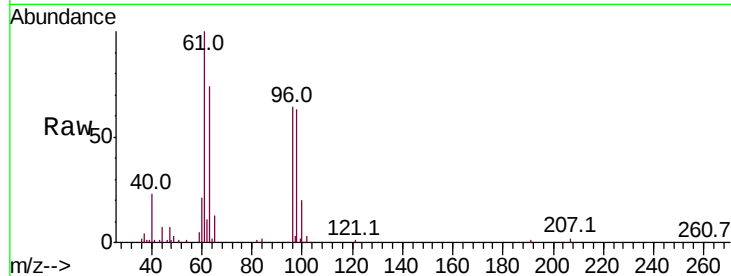
Tot Ion: 96 Resp: 27363

Ion Ratio Lower Upper

96 100

61 155.8 135.3 251.3

63 115.6 115.8 215.2#



#13

Acetone

Concen: 7.481 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010123.D

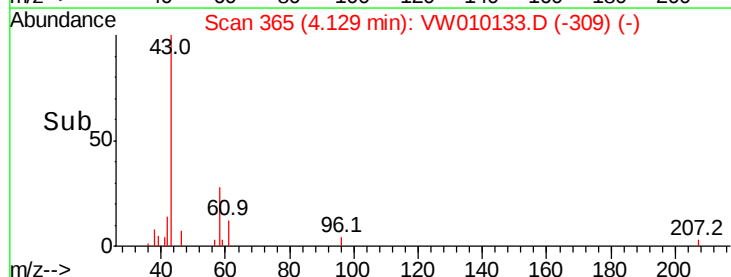
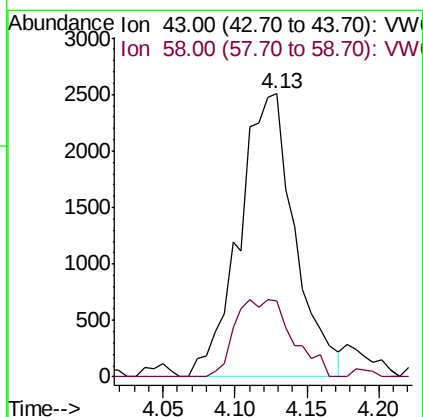
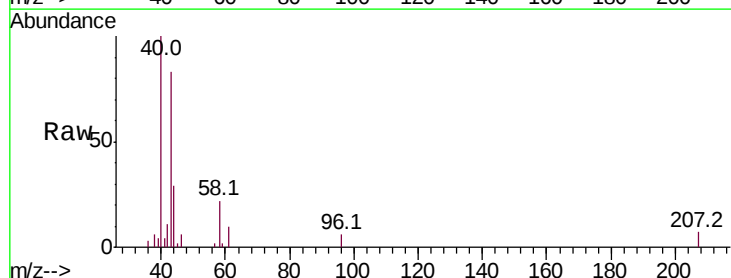
Acq: 25 Apr 2019 08:34

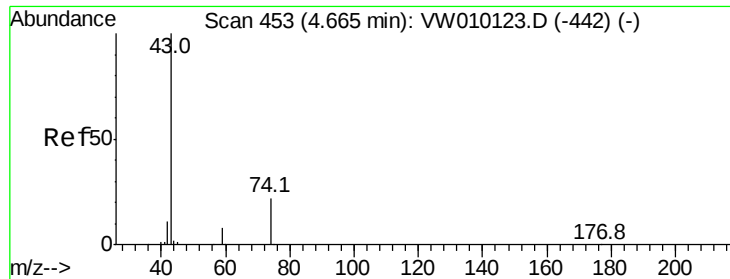
Tgt Ion: 43 Resp: 6691

Ion Ratio Lower Upper

43 100

58 13.8 0.0 58.2

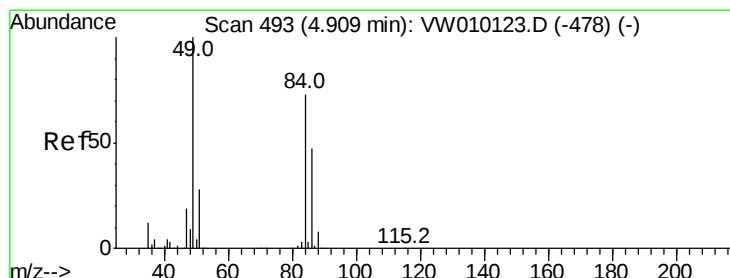
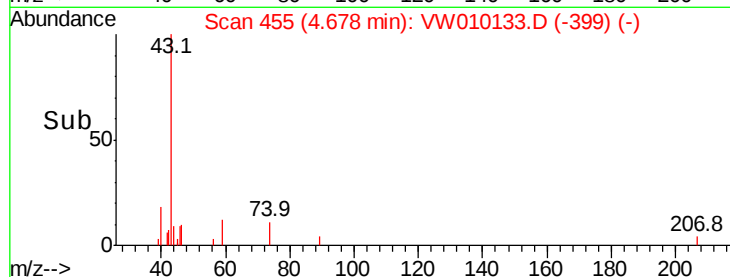
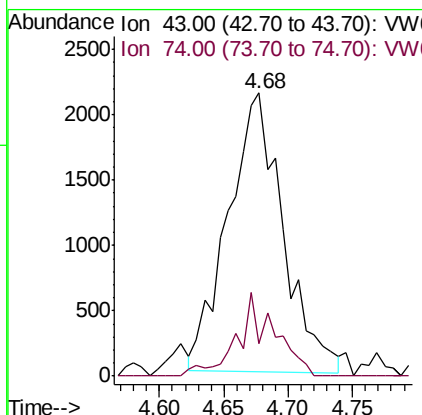
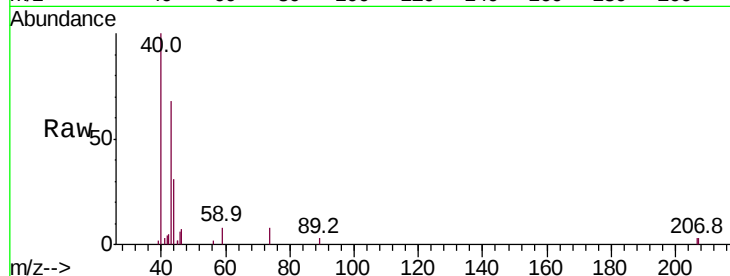




#15
Methyl Acetate
Concen: 3.002 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

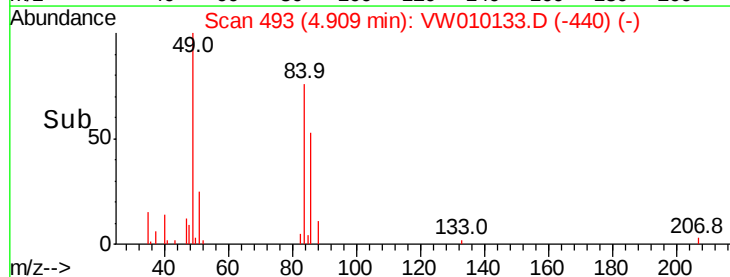
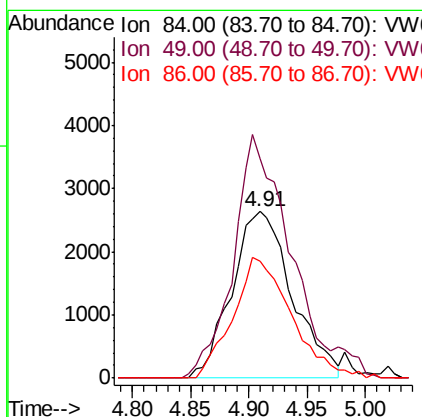
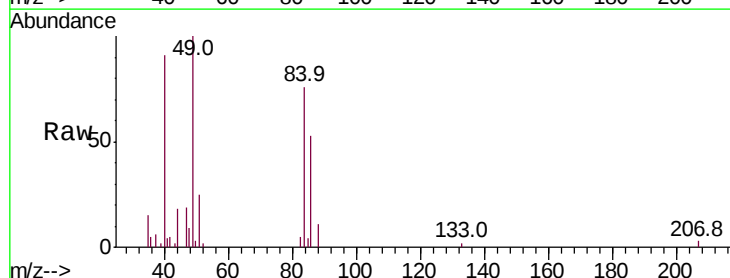
Instrument :
MSVOA_W
ClientSampled :

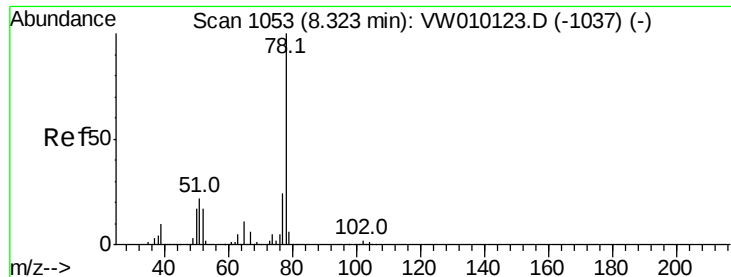
Tot Ion: 43 Resp: 6352
Ion Ratio Lower Upper
43 100
74 8.8 16.9 25.3#



#16
Methylene chloride
Concen: 2.582 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

Tgt Ion: 84 Resp: 9500
Ion Ratio Lower Upper
84 100
49 132.2 93.5 173.7
86 70.0 44.9 83.5





#34

Benzene

Concen: 18.857 ug/L

RT: 8.32 min Scan# 1053

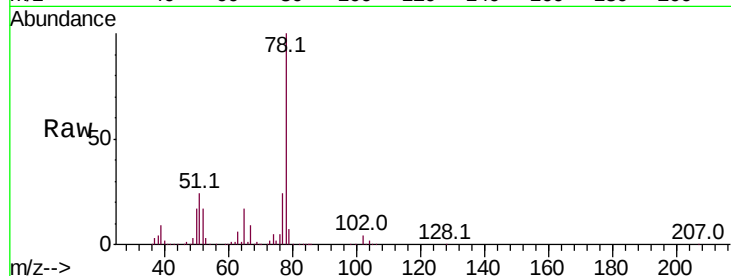
Delta R.T. -0.00 min

Lab File: VW010133.D

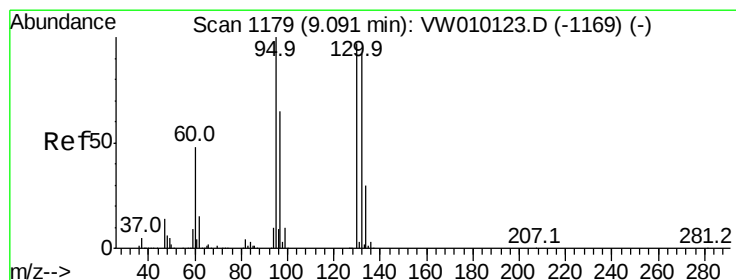
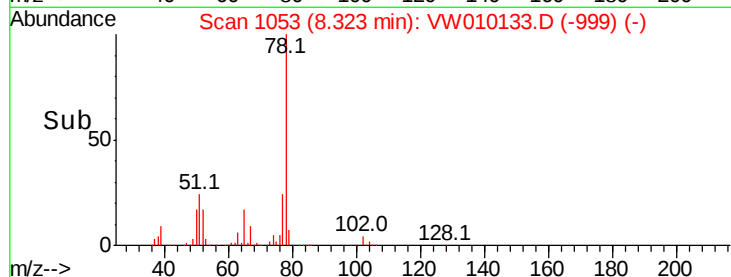
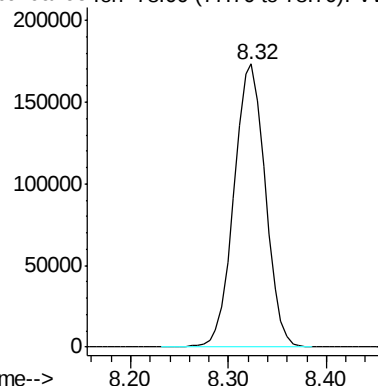
Acq: 25 Apr 2019 08:34

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 387469



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 14.247 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010133.D

Acq: 25 Apr 2019 08:34

Tgt Ion: 95 Resp: 77210

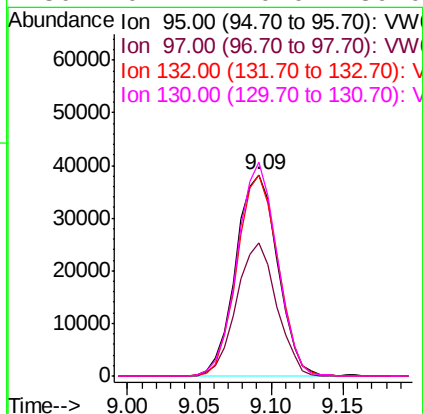
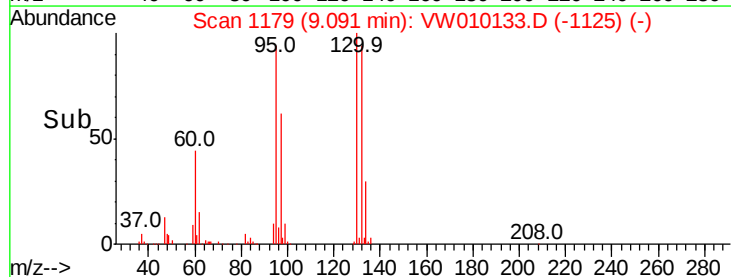
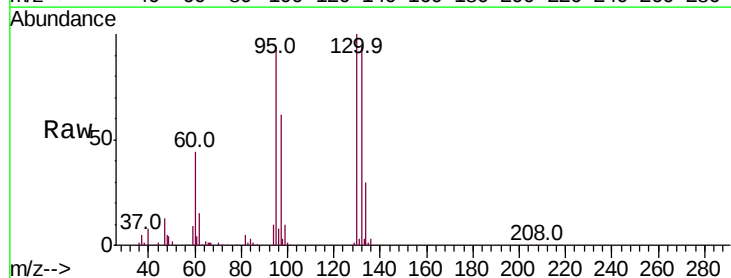
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.1	83.9
132	97.4	67.2	124.8
130	101.1	70.0	130.0

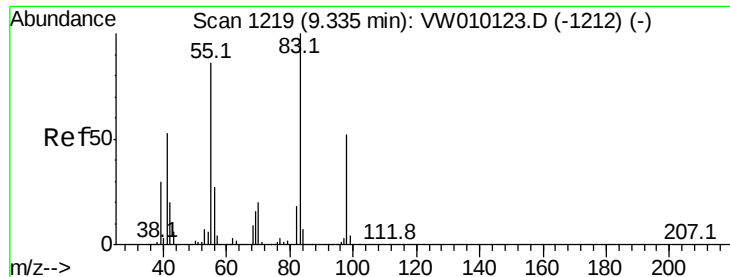
Abundance Ion 95.00 (94.70 to 95.70): VW

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

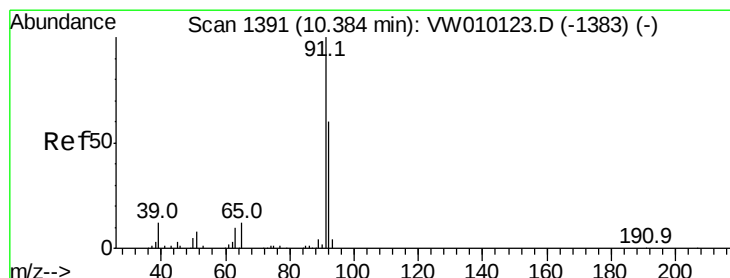
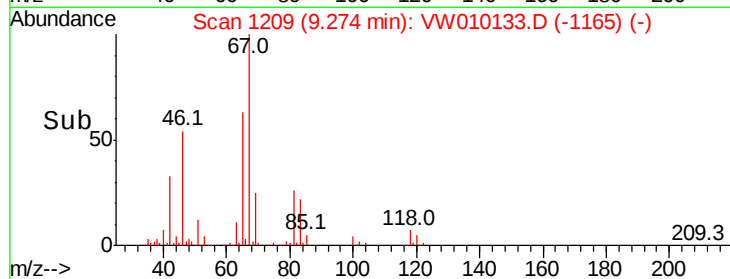
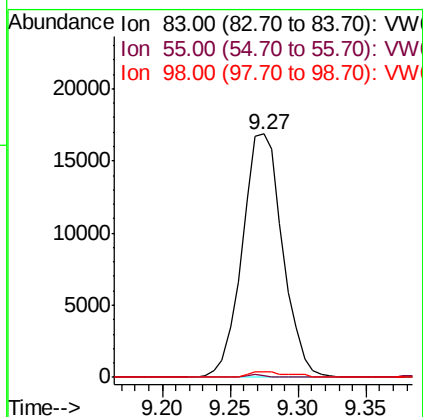
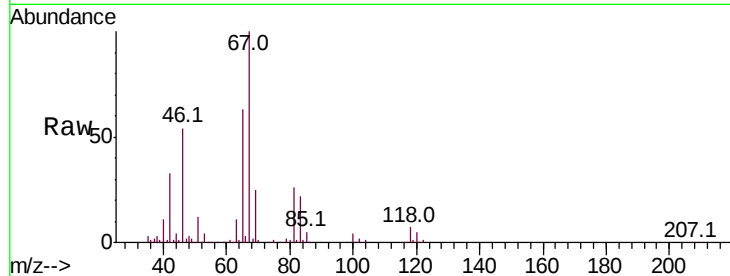




#36
Methvlcvclohexane
Concen: 3.863 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

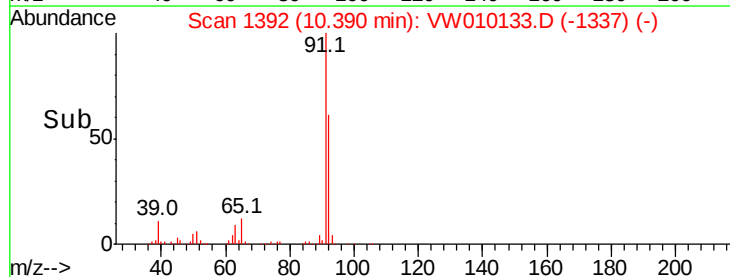
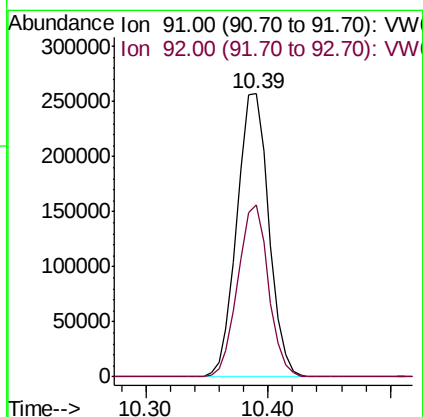
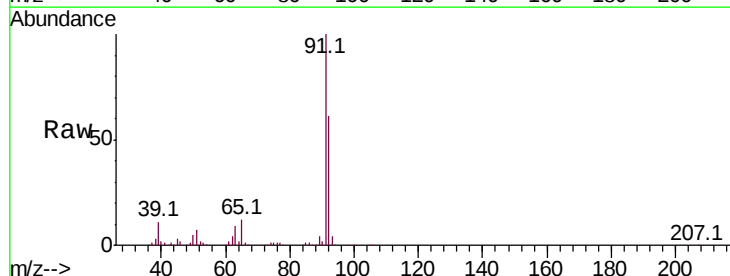
Instrument :
MSVOA_W
ClientSampleId :

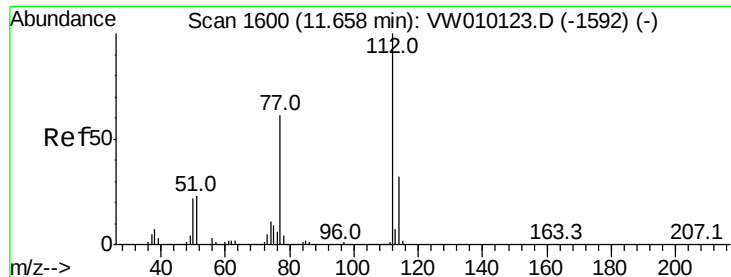
Tot Ion: 83 Resp: 35084
Ion Ratio Lower Upper
83 100
55 0.5 66.6 100.0#
98 1.9 39.1 58.7#



#44
Toluene
Concen: 21.434 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

Tgt Ion: 91 Resp: 466225
Ion Ratio Lower Upper
91 100
92 60.9 40.3 74.9

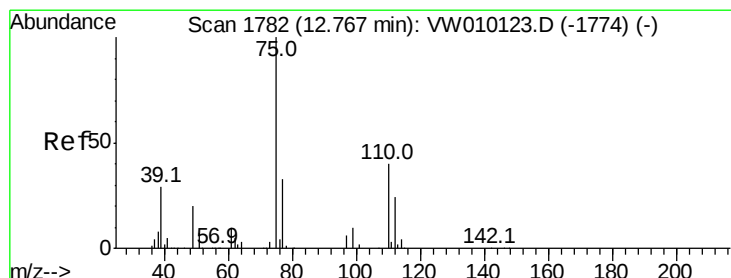
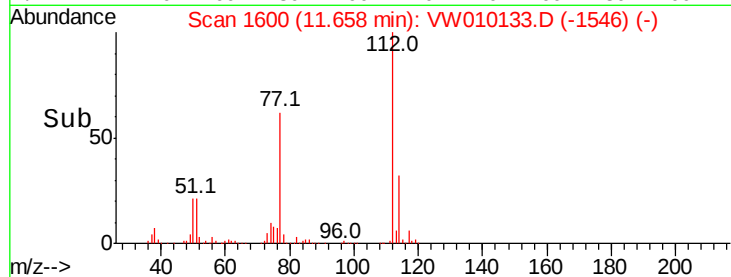
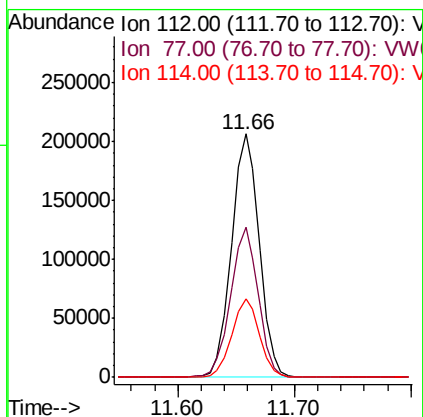
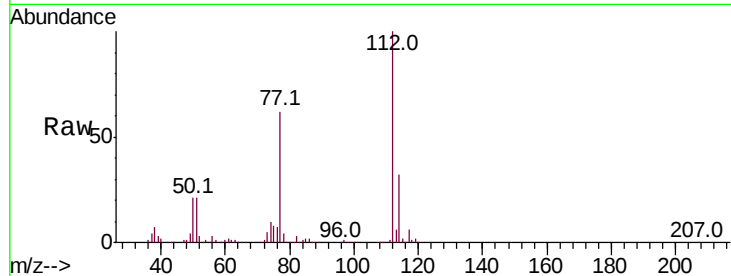




#52
Chlorobenzene
Concen: 24.806 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

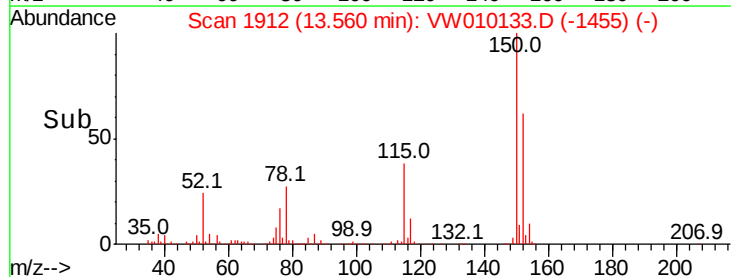
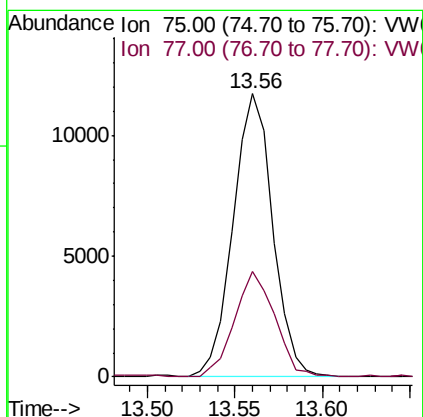
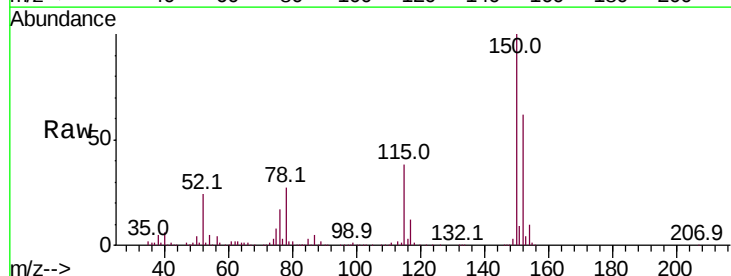
Instrument :
MSVOA_W
ClientSampled :

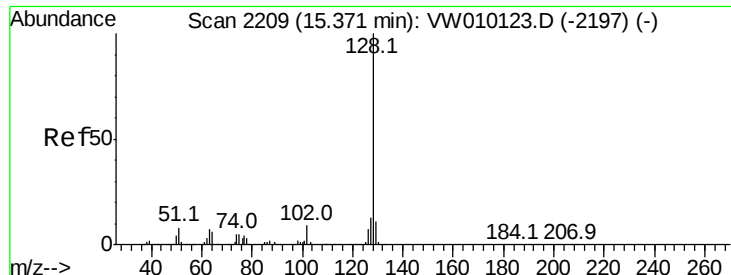
Tot Ion:112 Resp: 341411
Ion Ratio Lower Upper
112 100
77 61.7 48.6 73.0
114 32.0 22.3 41.3



#59
1,2,3-Trichloropropane
Concen: 5.011 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW010133.D
Acq: 25 Apr 2019 08:34

Tgt Ion: 75 Resp: 18480
Ion Ratio Lower Upper
75 100
77 38.1 26.1 39.1





#69

Naphthalene

Concen: 2.615 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010133.D

Acq: 25 Apr 2019 08:34

Instrument :

MSVOA_W

ClientSampleId :

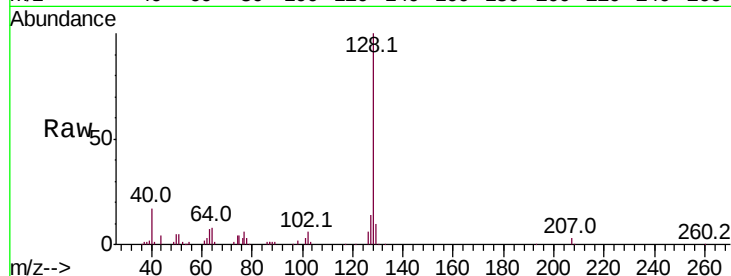
Tot Ion:128 Resp: 37480

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

