

Data File : VW011424.D
Acq On : 22 Jul 2019 17:17
Operator : SY/VA
Sample : K3922-02MS
Misc : 5.32G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F0MS

Quant Time: Jul 23 04:58:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 23 04:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	390118	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281081	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	80084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	148576	28.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.12%
7) Chloroethane-d5	2.89	69	115074	30.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.32%
10) 1,1-Dichloroethene-d2	4.03	63	311844	26.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.72%
20) 2-Butanone-d5	7.07	46	129034	58.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.36%
24) Chloroform-d	7.65	84	265504	26.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.32%
26) 1,2-Dichloroethane-d4	8.31	65	169040	28.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.84%
29) Benzene-d6	8.27	84	559918	33.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	133.24%
33) 1,2-Dichloropropane-d6	9.27	67	183958	33.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.08%#
37) Toluene-d8	10.32	98	434505	28.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.36%
38) trans-1,3-Dichloropropene-	10.58	79	72764	30.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	123.68%
39) 2-Hexanone-d5	10.93	63	92227	78.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.20%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120135	27.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	76359	25.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.60%

Target Compounds

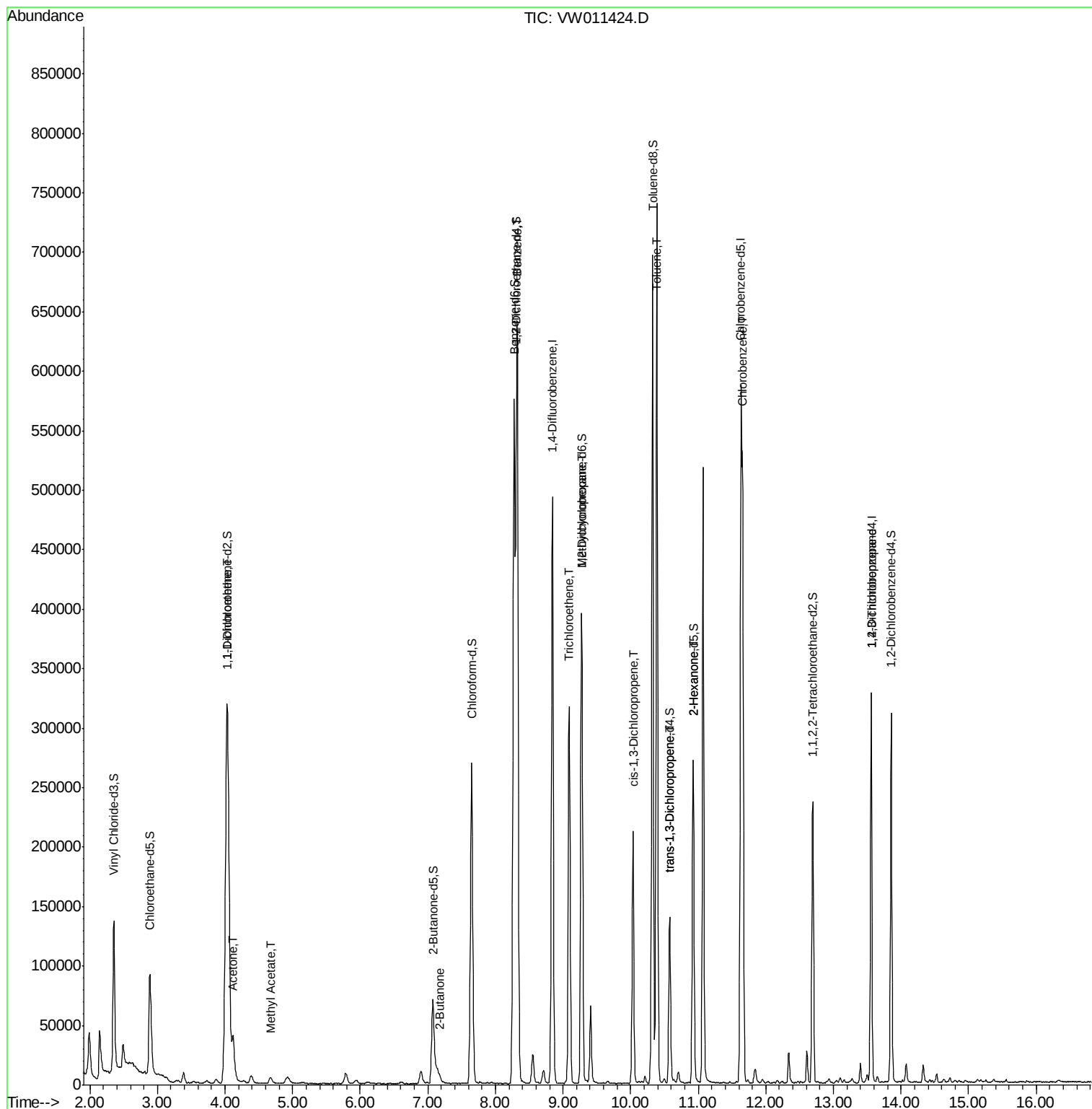
					Qvalue
12) 1,1-Dichloroethene	4.04	96	111258	21.471 ug/L #	82
13) Acetone	4.12	43	56262	23.979 ug/L	97
15) Methyl Acetate	4.68	43	10187	2.828 ug/L #	70
21) 2-Butanone	7.18	43	8844	2.933 ug/L	98
34) Benzene	8.32	78	496013	27.184 ug/L	100
35) Trichloroethene	9.09	95	111535	24.051 ug/L	99
36) Methylcyclohexane	9.27	83	41078	4.871 ug/L #	15
42) cis-1,3-Dichloropropene	10.03	75	4799	0.652 ug/L #	74
44) Toluene	10.39	91	518340	27.696 ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	3149	0.520 ug/L	90
49) 2-Hexanone	10.93	43	11400	3.599 ug/L #	69
52) Chlorobenzene	11.66	112	235813	20.894 ug/L	100
59) 1,2,3-Trichloropropane	13.56	75	10956	3.364 ug/L	90

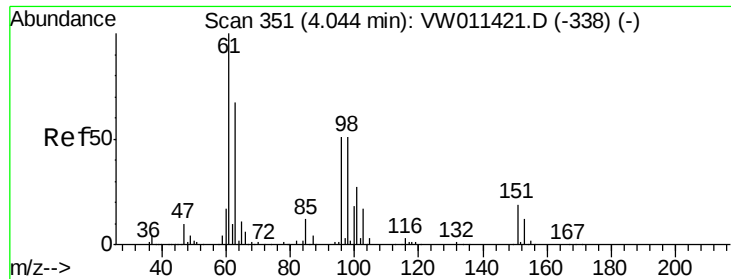
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 21.471 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

A52F0MS

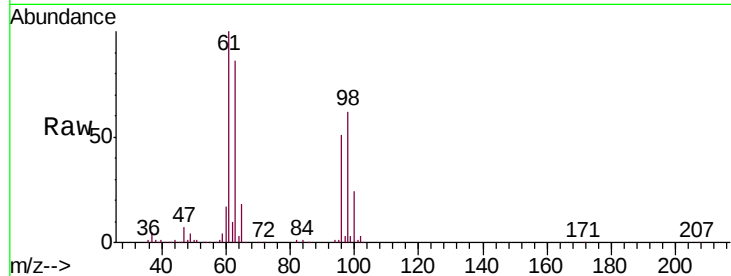
Tgt Ion: 96 Resp: 111258

Ion Ratio Lower Upper

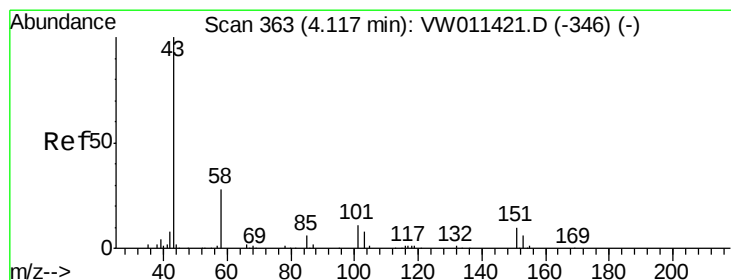
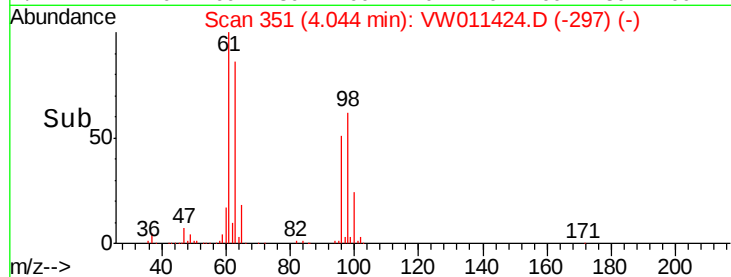
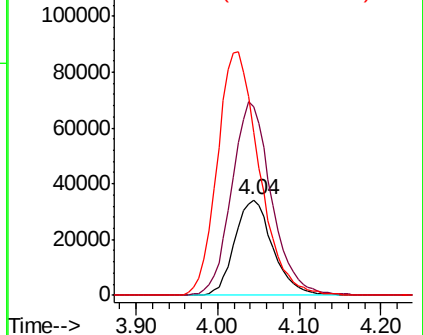
96 100

61 197.6 133.2 247.4

63 170.7 89.9 166.9#



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: 23.979 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011424.D

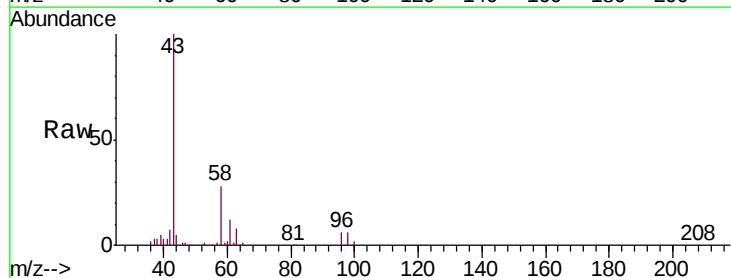
Acq: 22 Jul 2019 17:17

Tgt Ion: 43 Resp: 56262

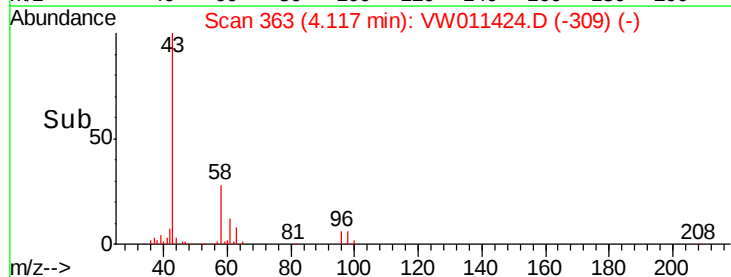
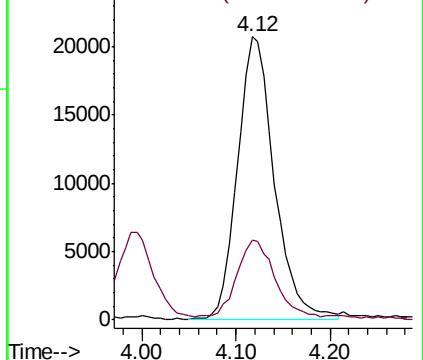
Ion Ratio Lower Upper

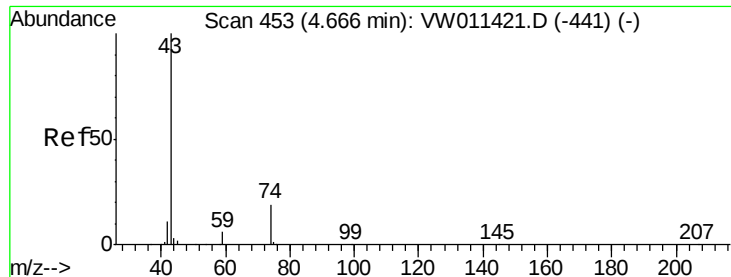
43 100

58 30.2 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

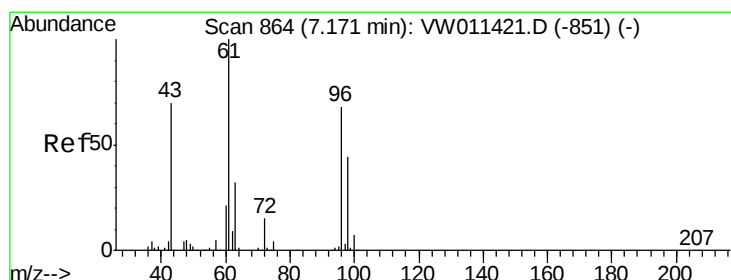
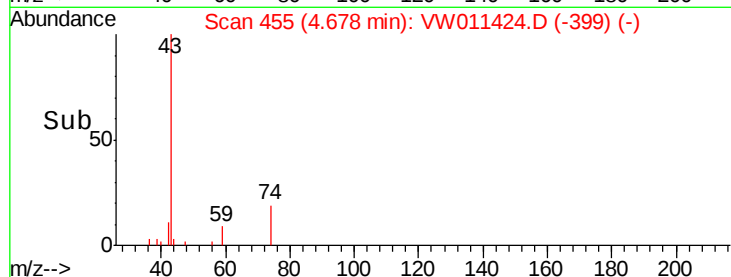
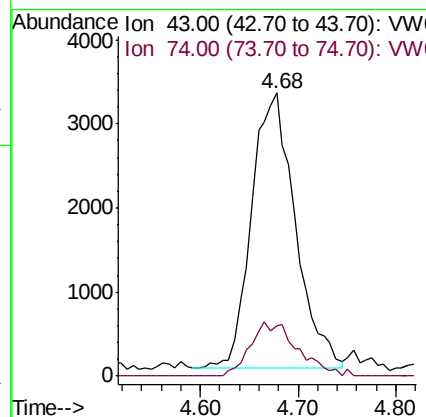
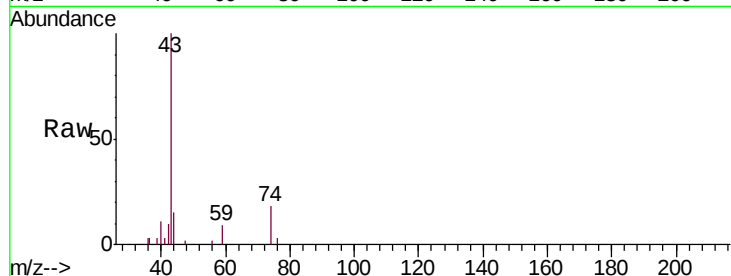




#15
Methyl Acetate
Concen: 2.828 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011424.D
Acq: 22 Jul 2019 17:17

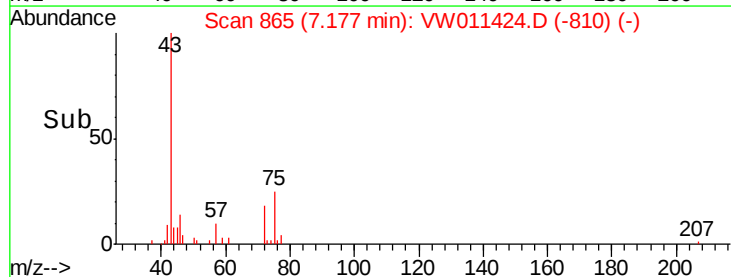
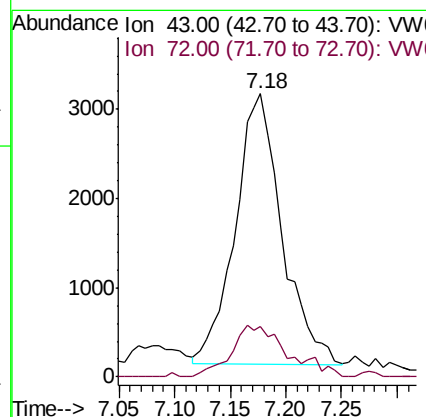
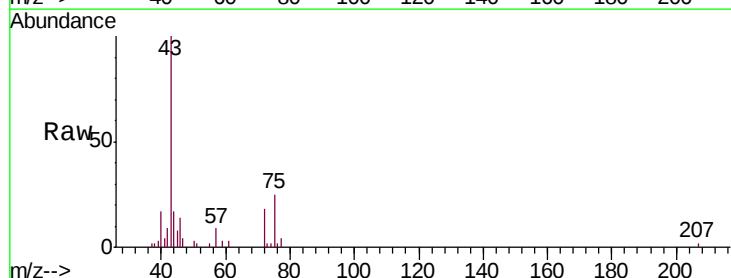
Instrument :
MSVOA_W
ClientSampleId :
A52F0MS

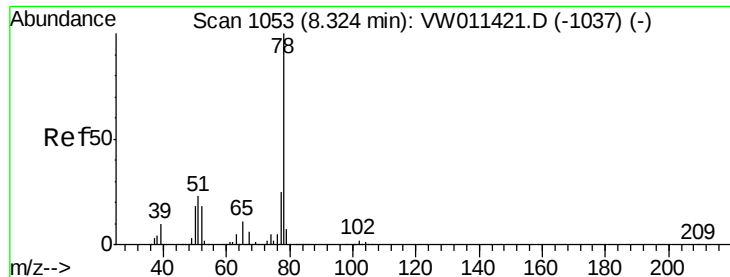
Tgt Ion: 43 Resp: 10187
Ion Ratio Lower Upper
43 100
74 5.6 15.2 22.8#



#21
2-Butanone
Concen: 2.933 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011424.D
Acq: 22 Jul 2019 17:17

Tgt Ion: 43 Resp: 8844
Ion Ratio Lower Upper
43 100
72 20.1 10.5 31.6





#34

Benzene

Concen: 27.184 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

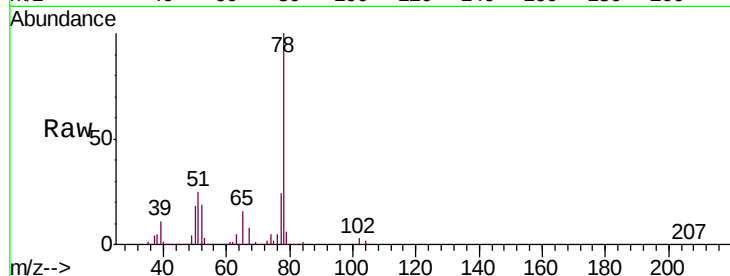
Instrument :

MSVOA_W

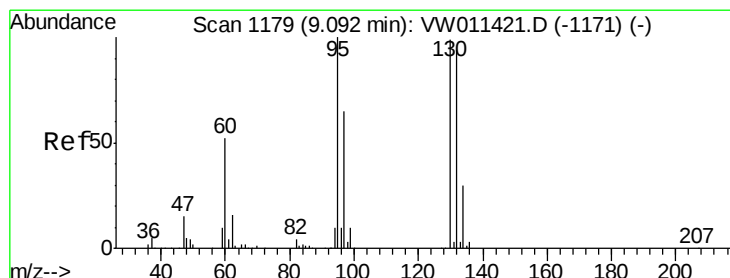
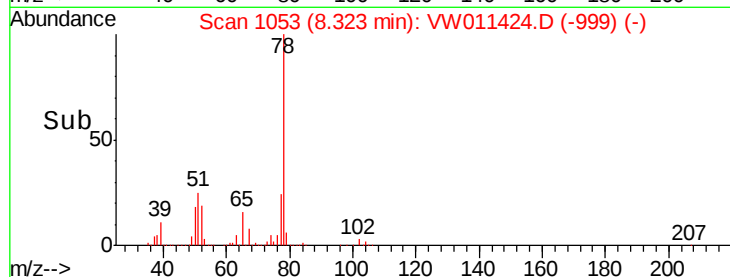
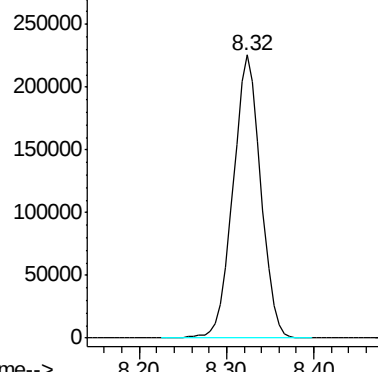
ClientSampleId :

A52F0MS

Tgt Ion: 78 Resp: 496013



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.051 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

Tgt Ion: 95 Resp: 111535

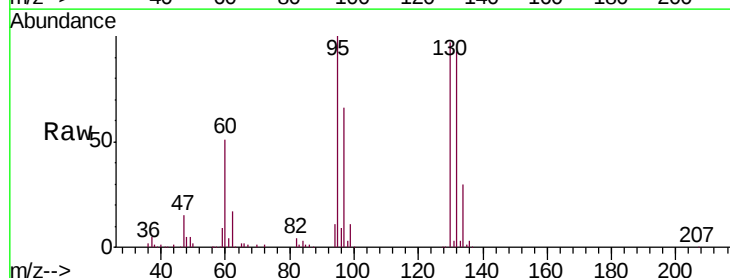
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.6	82.8
132	93.3	66.0	122.6
130	96.8	68.4	127.0

Abundance Ion 95.00 (94.70 to 95.70): VW

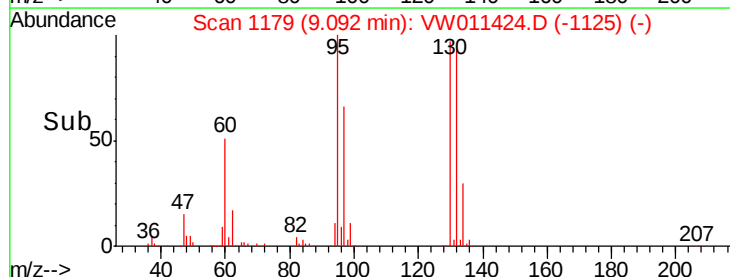
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



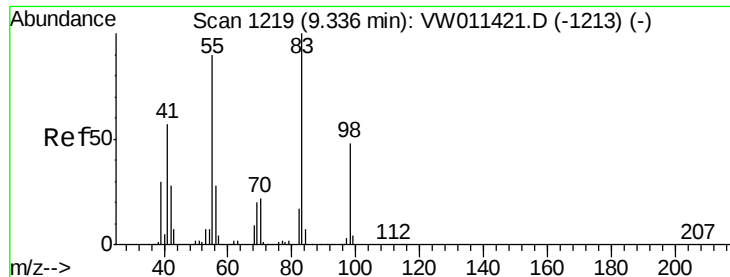
Abundance Ion 95.00 (94.70 to 95.70): VW



Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

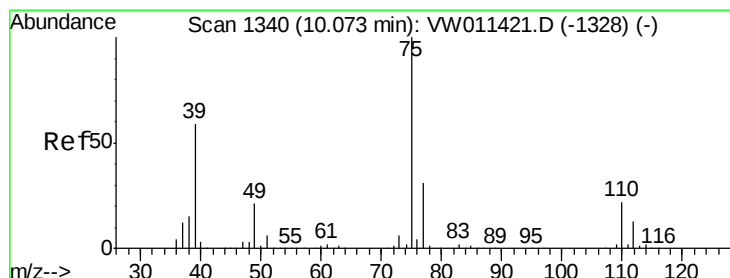
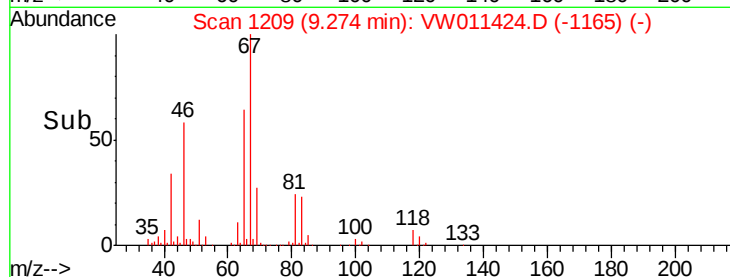
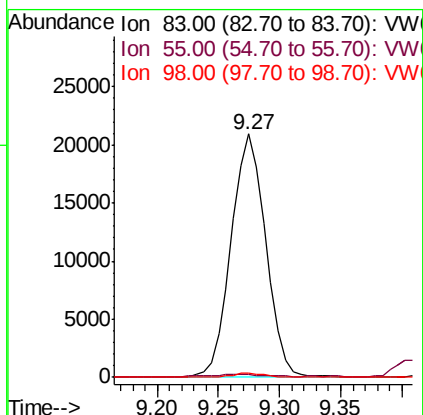
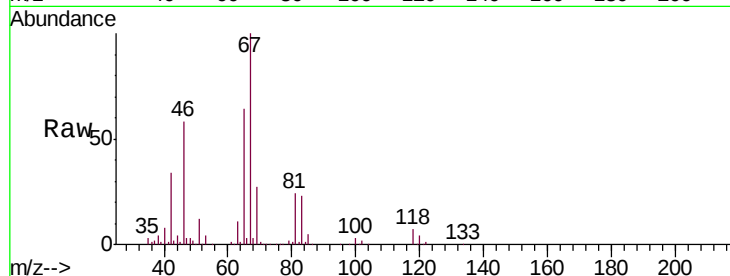
Ion 130.00 (129.70 to 130.70): V



#36
Methylcyclohexane
Concen: 4.871 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW011424.D
Acq: 22 Jul 2019 17:17

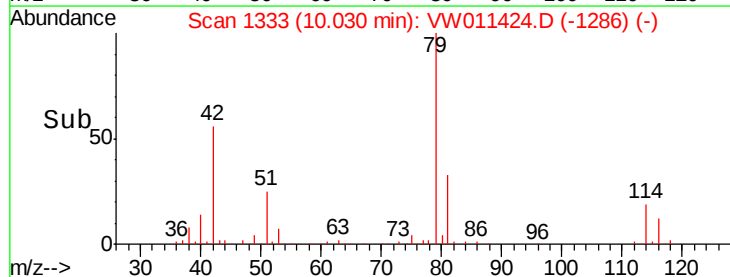
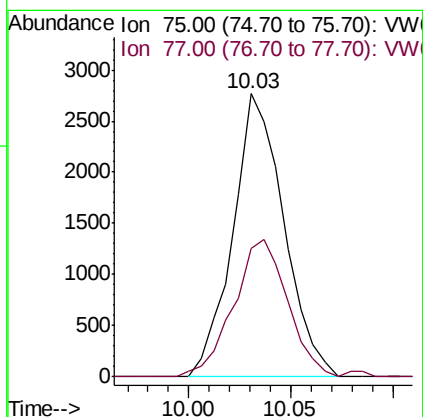
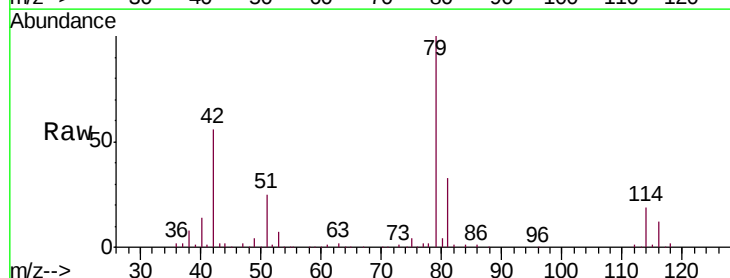
Instrument :
MSVOA_W
ClientSampled :
A52F0MS

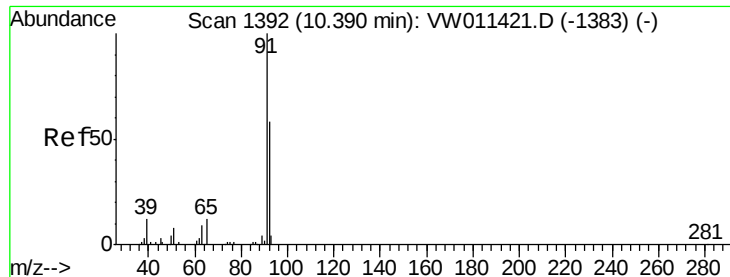
Tgt Ion: 83 Resp: 41078
Ion Ratio Lower Upper
83 100
55 1.2 71.5 107.3#
98 1.6 37.4 56.2#



#42
cis-1,3-Dichloropropene
Concen: 0.652 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW011424.D
Acq: 22 Jul 2019 17:17

Tgt Ion: 75 Resp: 4799
Ion Ratio Lower Upper
75 100
77 45.4 21.6 40.2#





#44

Toluene

Concen: 27.696 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

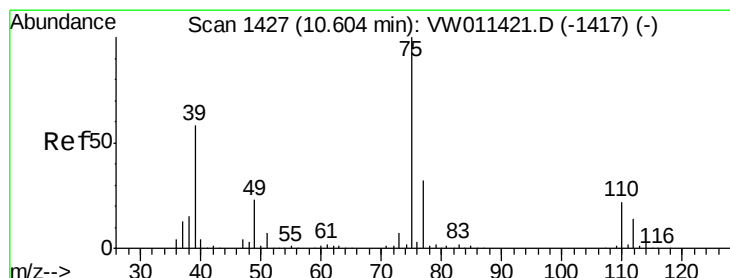
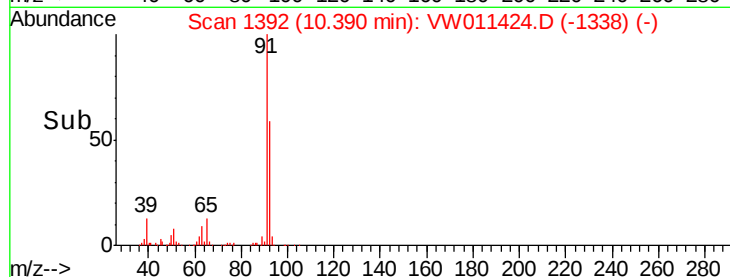
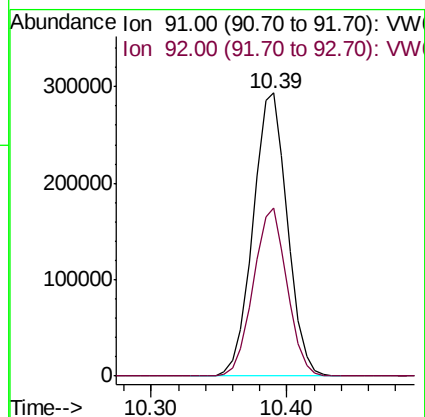
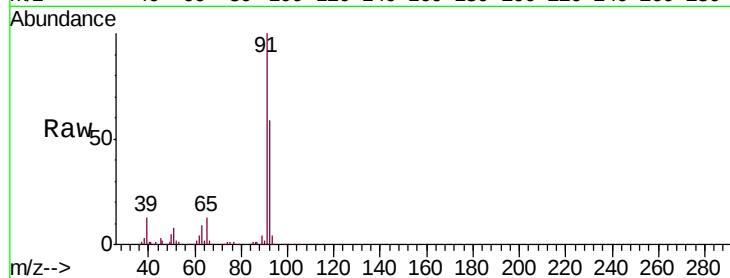
A52F0MS

Tgt Ion: 91 Resp: 518340

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 0.520 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW011424.D

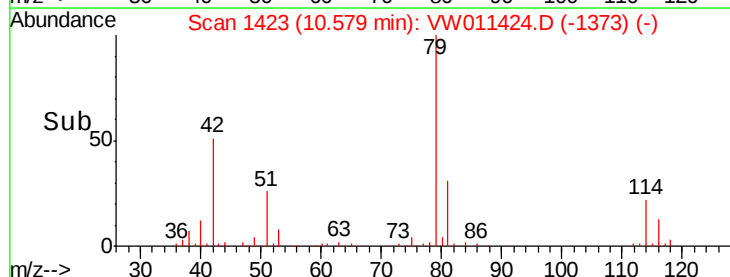
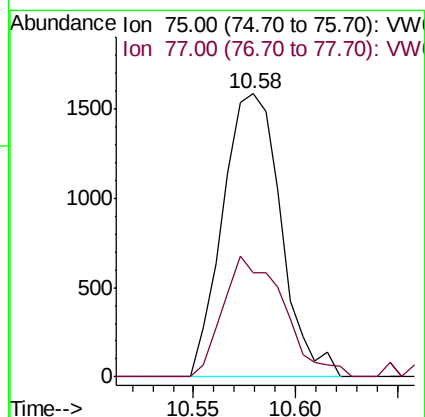
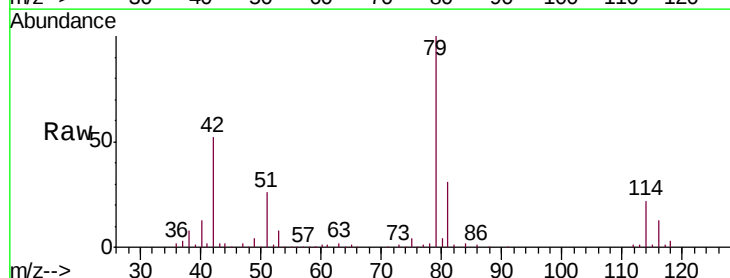
Acq: 22 Jul 2019 17:17

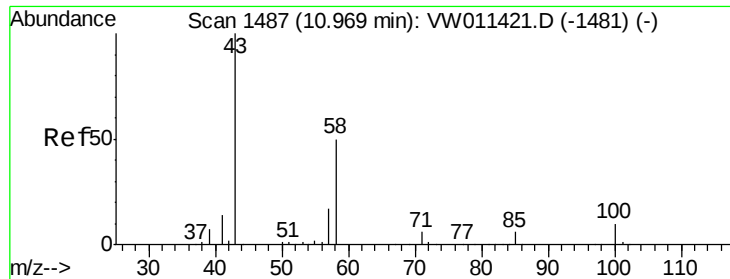
Tgt Ion: 75 Resp: 3149

Ion Ratio Lower Upper

75 100

77 36.9 21.8 40.6





#49

2-Hexanone

Concen: 3.599 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

A52F0MS

Tgt Ion: 43 Resp: 11400

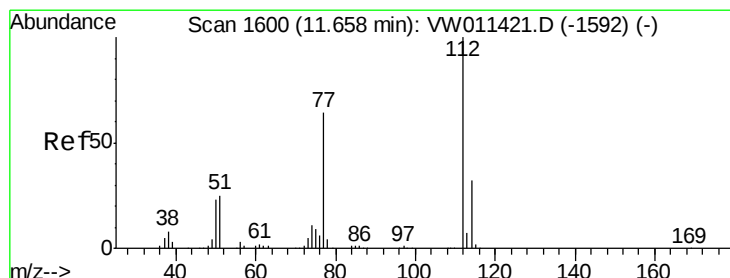
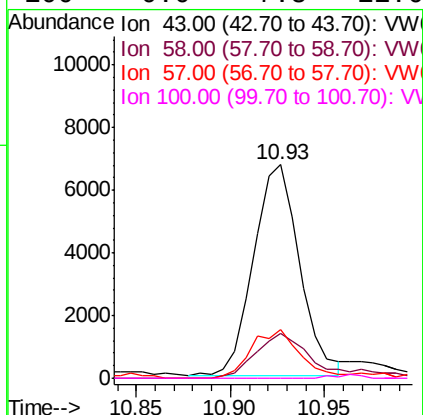
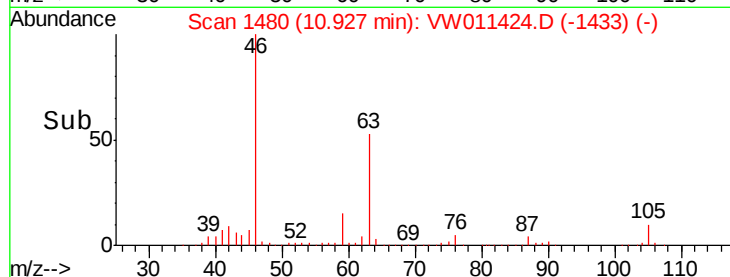
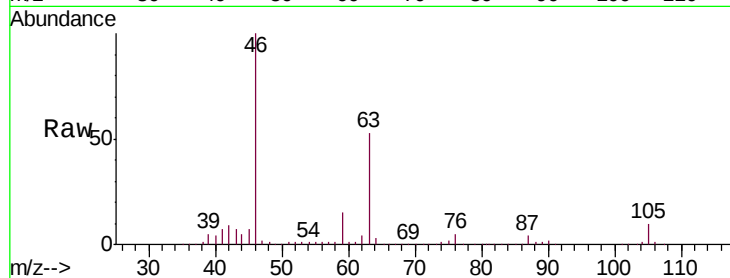
Ion Ratio Lower Upper

43 100

58 24.4 40.1 60.1#

57 24.4 13.8 20.6#

100 0.0 7.8 11.6#



#52

Chlorobenzene

Concen: 20.894 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

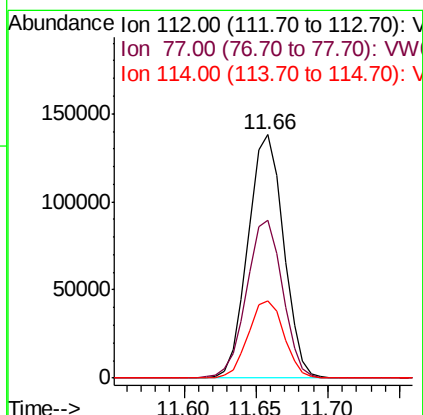
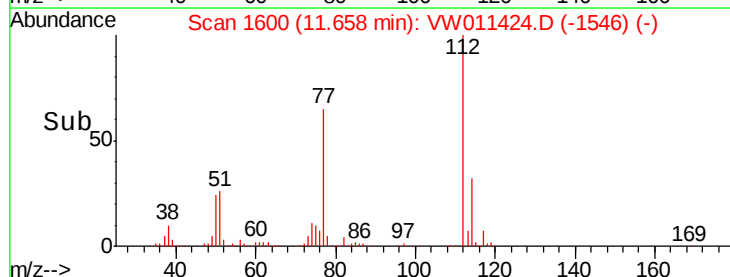
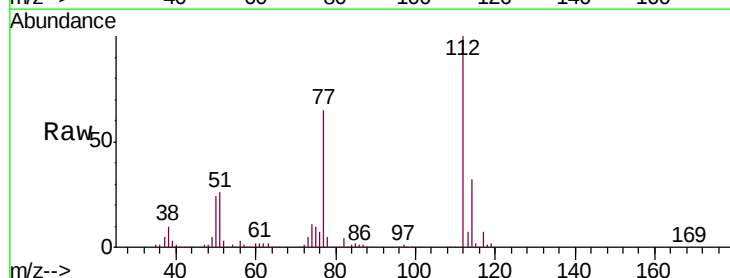
Tgt Ion: 112 Resp: 235813

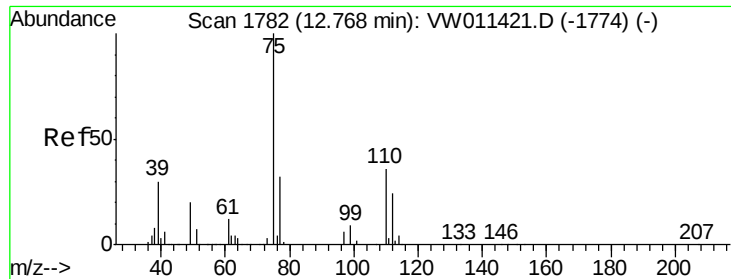
Ion Ratio Lower Upper

112 100

77 64.9 52.2 78.2

114 31.6 22.0 41.0





#59

1,2,3-Trichloropropane

Concen: 3.364 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011424.D

Acq: 22 Jul 2019 17:17

Instrument :

MSVOA_W

ClientSampleId :

A52F0MS

Tgt Ion: 75 Resp: 10956

Ion Ratio Lower Upper

75 100

77 37.7 25.8 38.8

