

Data File : VW011320.D
Acq On : 17 Jul 2019 21:51
Operator : SY/VA
Sample : K3863-01
Misc : 5.95G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52F6

Quant Time: Jul 18 06:41:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 18 06:37:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	321366	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	265168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	92900	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47619	9.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.80%
7) Chloroethane-d5	2.88	69	54010	15.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.76%
10) 1,1-Dichloroethene-d2	4.01	63	110576	10.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	42.56%#
20) 2-Butanone-d5	7.07	46	103575	53.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.16%
24) Chloroform-d	7.64	84	168381	19.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.48%
26) 1,2-Dichloroethane-d4	8.30	65	114045	21.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.08%
29) Benzene-d6	8.27	84	324145	19.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.36%
33) 1,2-Dichloropropane-d6	9.27	67	118763	22.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.32%
37) Toluene-d8	10.32	98	267893	18.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.60%
38) trans-1,3-Dichloropropene-	10.57	79	42205	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.64%
39) 2-Hexanone-d5	10.92	63	68851	56.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100566	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	66892	18.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.04%

Target Compounds

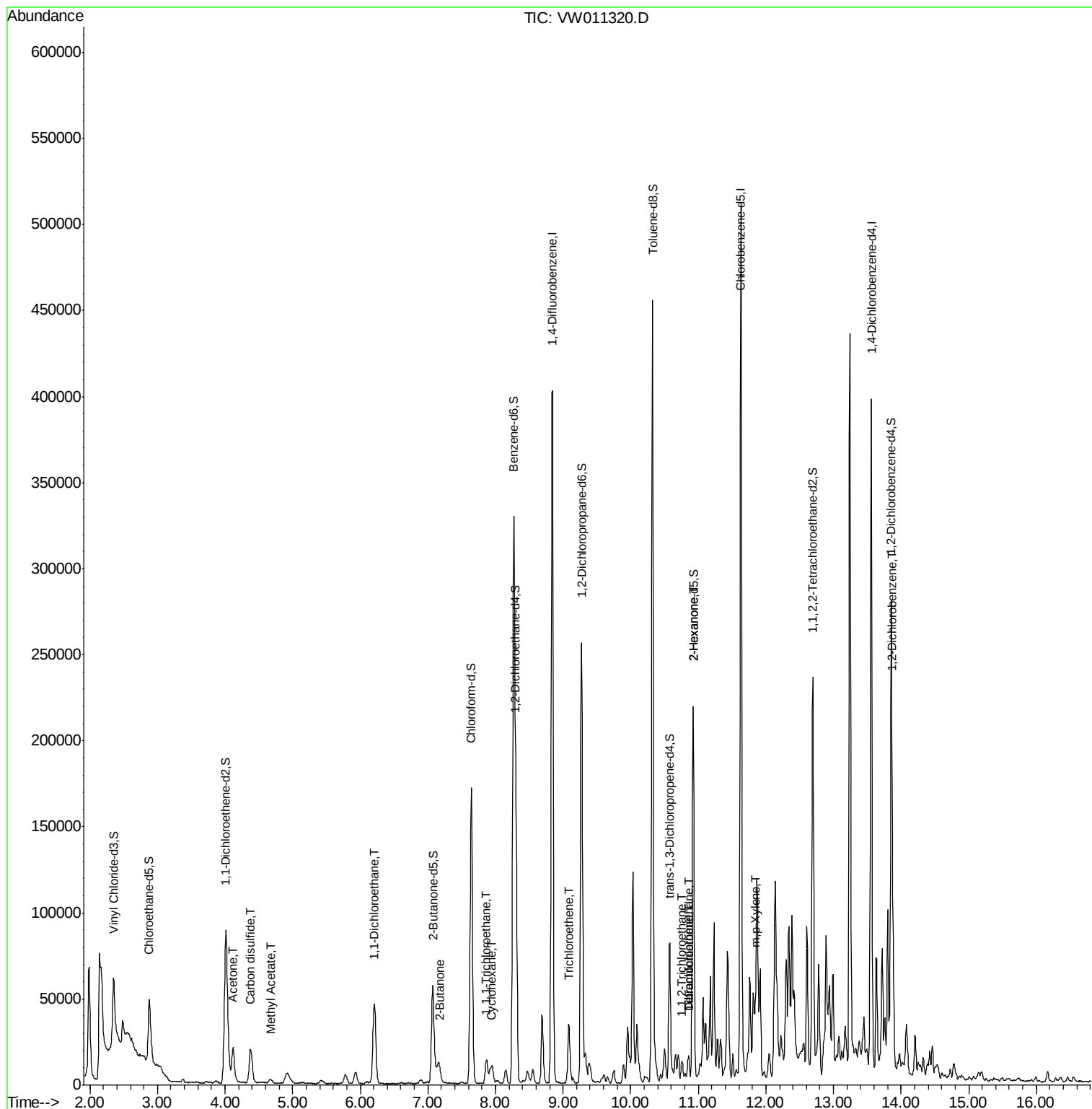
					Qvalue
13) Acetone	4.12	43	34502	18.274 ug/L	94
14) Carbon disulfide	4.38	76	46373	3.839 ug/L	100
15) Methyl Acetate	4.67	43	4943	1.609 ug/L	100
19) 1,1-Dichloroethane	6.21	63	68008	7.850 ug/L	97
21) 2-Butanone	7.18	43	8721	3.578 ug/L	98
30) Cyclohexane	7.95	56	6509	0.807 ug/L	90
31) 1,1,1-Trichloroethane	7.87	97	10733	1.950 ug/L #	77
35) Trichloroethene	9.09	95	11170	2.671 ug/L	97
46) 1,1,2-Trichloroethane	10.76	97	3897	1.239 ug/L #	21
47) Tetrachloroethene	10.86	164	2491	0.788 ug/L	94
49) 2-Hexanone	10.93	43	12691	4.142 ug/L #	63
50) Dibromochloromethane	10.86	129	2490	0.744 ug/L #	11
54) m,p-Xylene	11.84	106	3984	0.564 ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	9138	1.718 ug/L	96

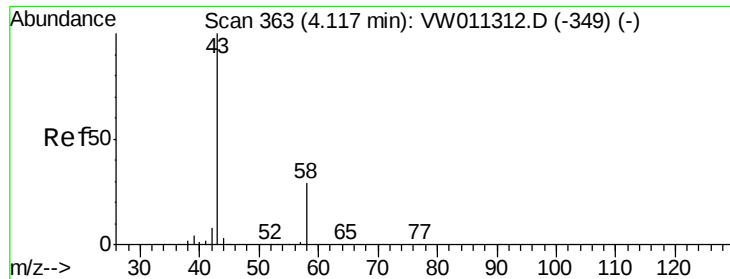
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 18.274 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Instrument :

MSVOA_W

ClientSampled :

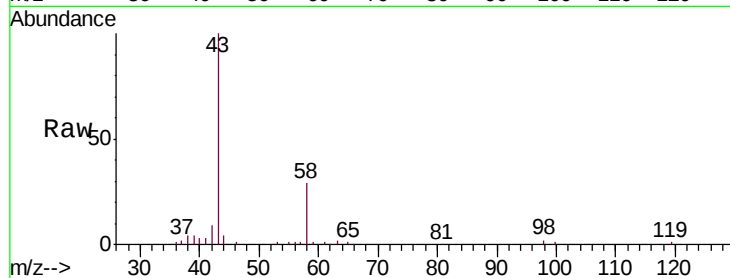
A52F6

Tgt Ion: 43 Resp: 34502

Ion Ratio Lower Upper

43 100

58 30.6 0.0 55.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

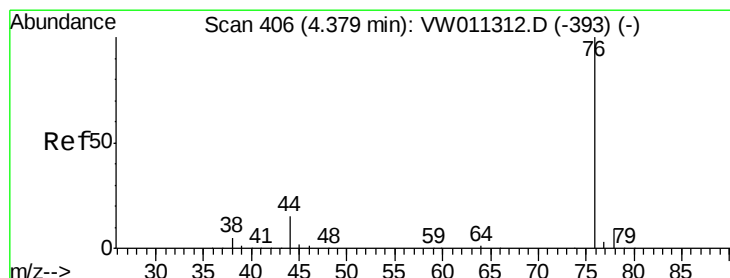
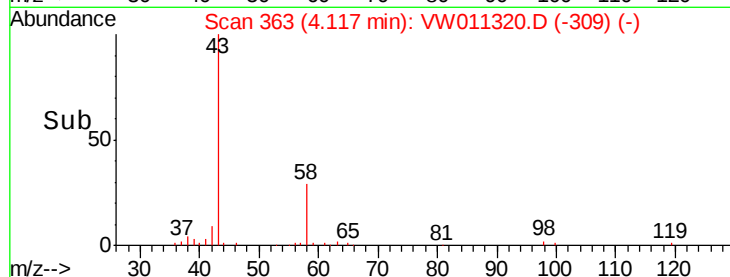
10000

5000

0

4.00 4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 3.839 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011320.D

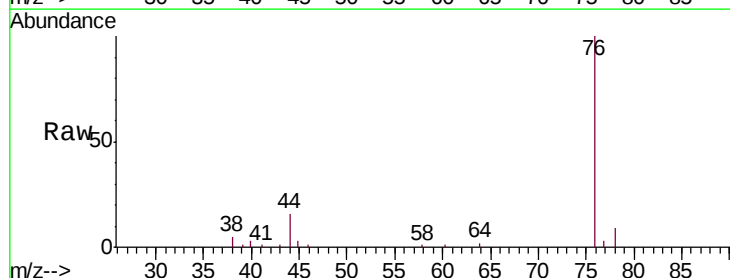
Acq: 17 Jul 2019 21:51

Tgt Ion: 76 Resp: 46373

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

15000

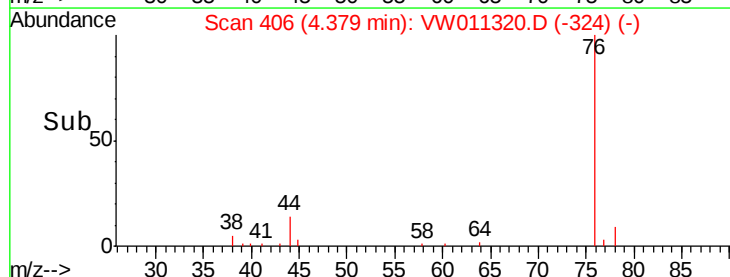
10000

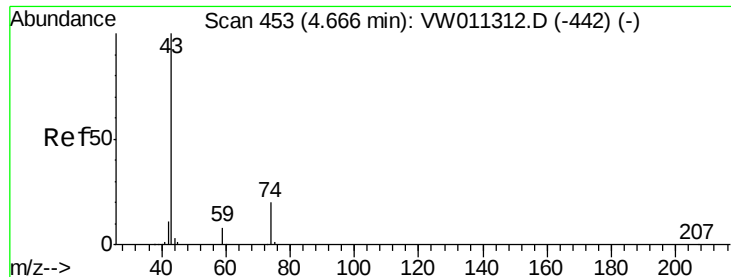
5000

0

4.30 4.40 4.50

Time-->

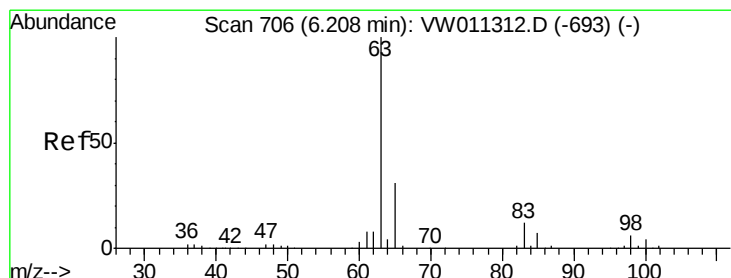
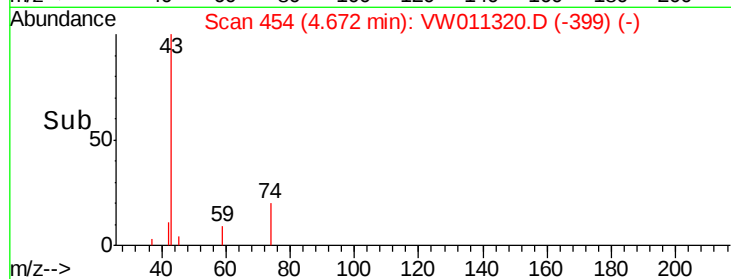
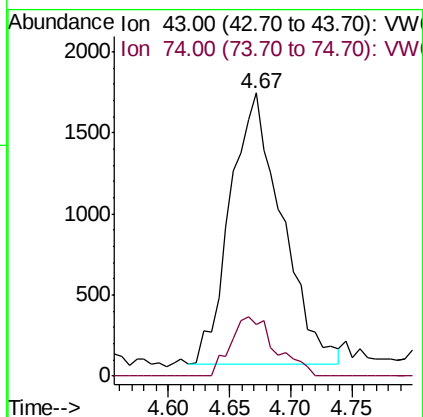
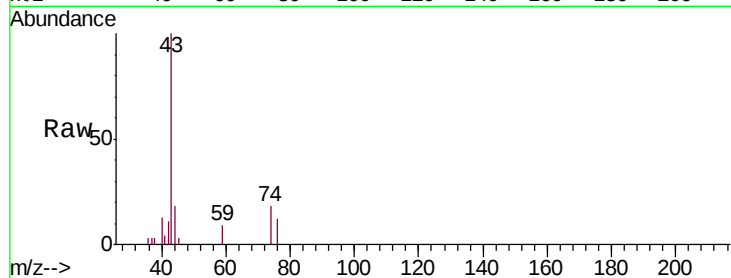




#15
Methyl Acetate
Concen: 1.609 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011320.D
Acq: 17 Jul 2019 21:51

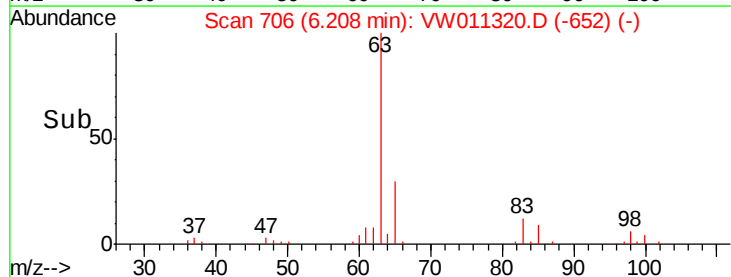
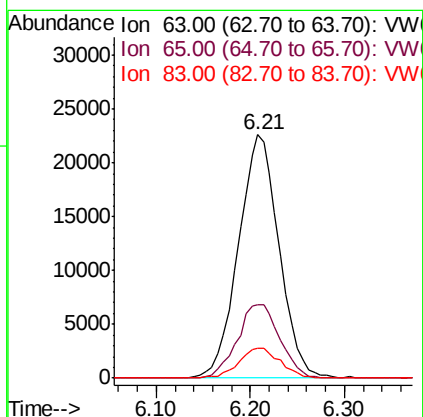
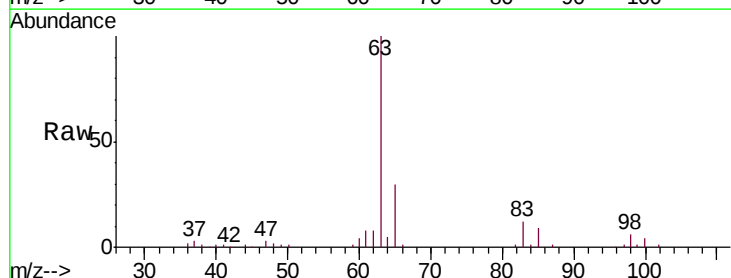
Instrument :
MSVOA_W
ClientSampleId :
A52F6

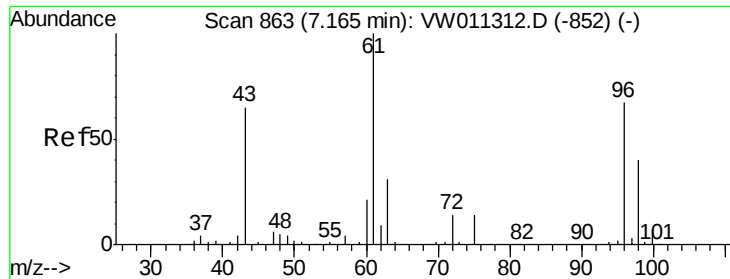
Tgt Ion: 43 Resp: 4943
Ion Ratio Lower Upper
43 100
74 19.0 15.1 22.7



#19
1,1-Dichloroethane
Concen: 7.850 ug/L
RT: 6.21 min Scan# 706
Delta R.T. -0.00 min
Lab File: VW011320.D
Acq: 17 Jul 2019 21:51

Tgt Ion: 63 Resp: 68008
Ion Ratio Lower Upper
63 100
65 29.9 22.1 41.1
83 12.2 9.0 16.6





#21

2-Butanone

Concen: 3.578 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Instrument :

MSVOA_W

ClientSampled :

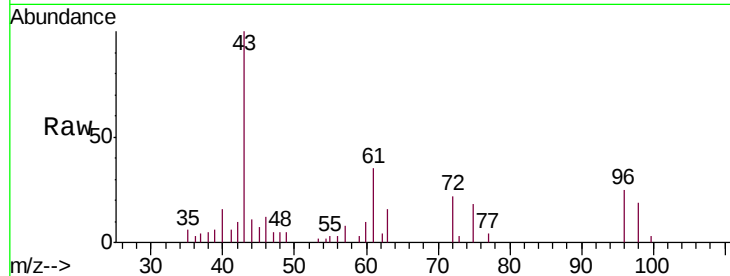
A52F6

Tgt Ion: 43 Resp: 8721

Ion Ratio Lower Upper

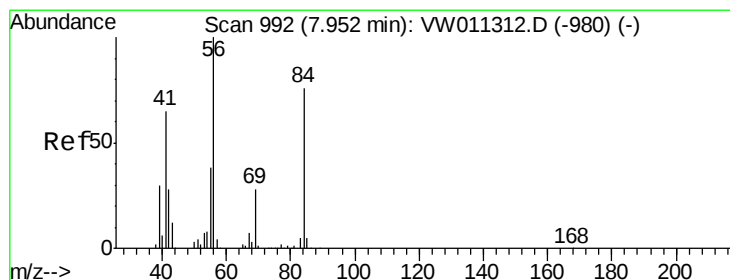
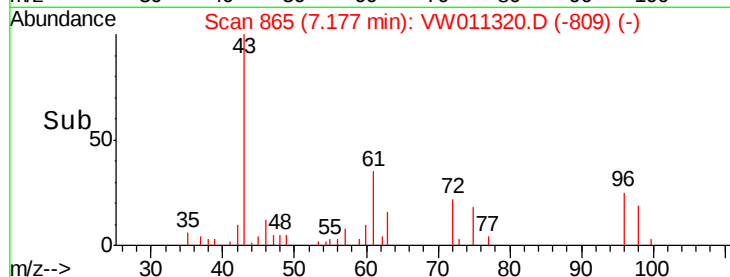
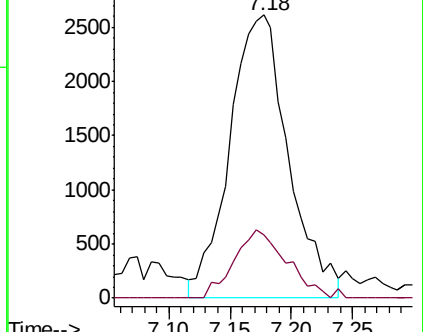
43 100

72 21.4 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#30

Cyclohexane

Concen: 0.807 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

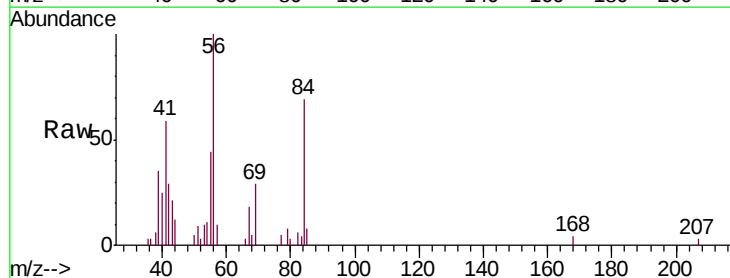
Tgt Ion: 56 Resp: 6509

Ion Ratio Lower Upper

56 100

69 27.5 22.5 33.7

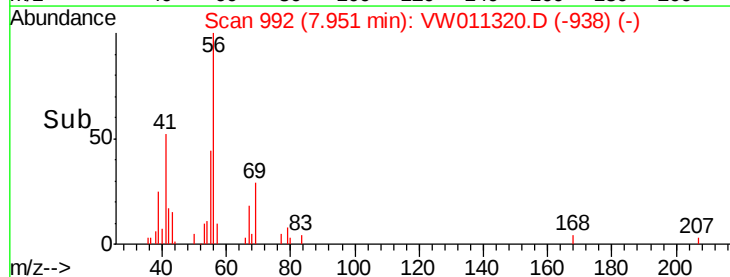
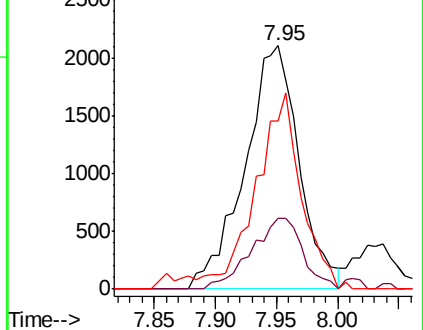
84 64.6 60.9 91.3

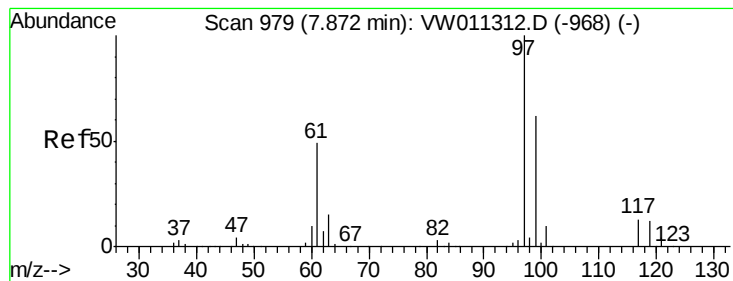


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 1.950 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Instrument :

MSVOA_W

ClientSampleId :

A52F6

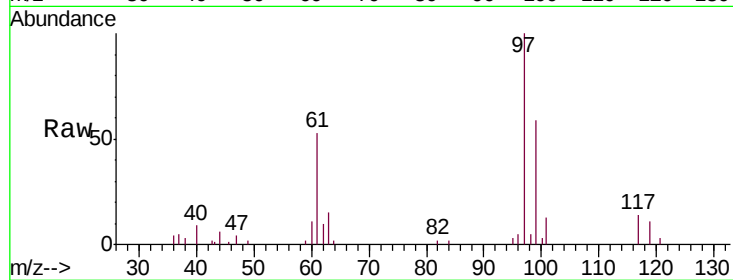
Tgt Ion: 97 Resp: 10733

Ion Ratio Lower Upper

97 100

99 33.6 50.6 75.8#

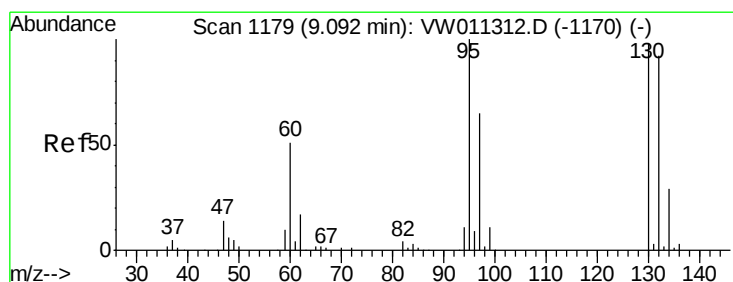
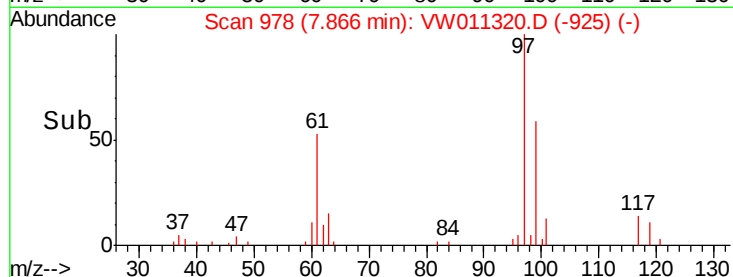
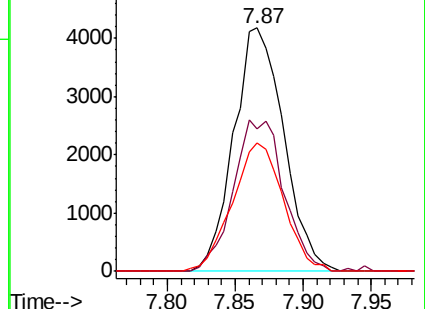
61 53.7 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#35

Trichloroethene

Concen: 2.671 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Tgt Ion: 95 Resp: 11170

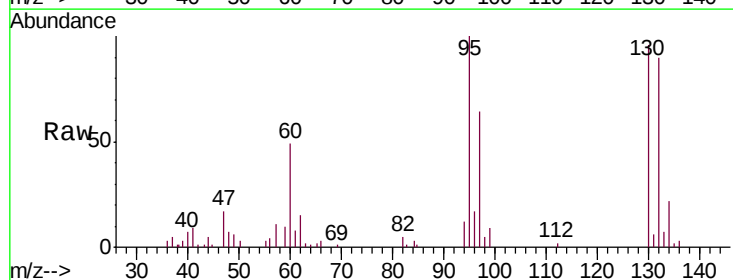
Ion Ratio Lower Upper

95 100

97 66.6 45.4 84.2

132 89.8 65.0 120.8

130 94.0 67.8 126.0

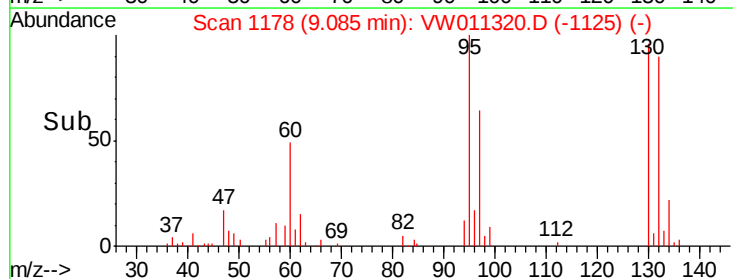
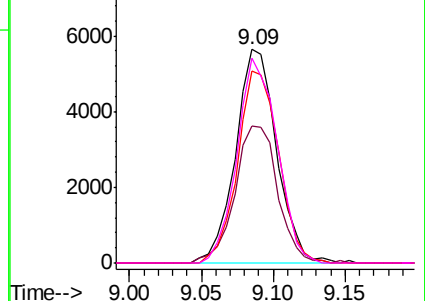


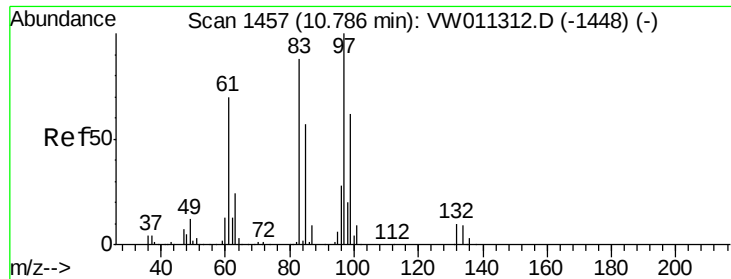
Abundance Ion 95.00 (94.70 to 95.70): VW

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

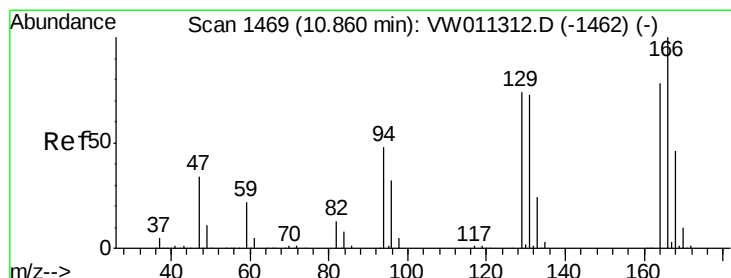
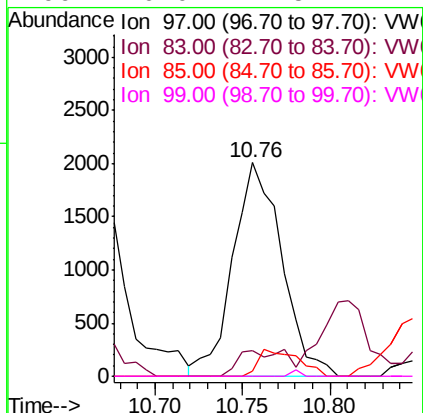
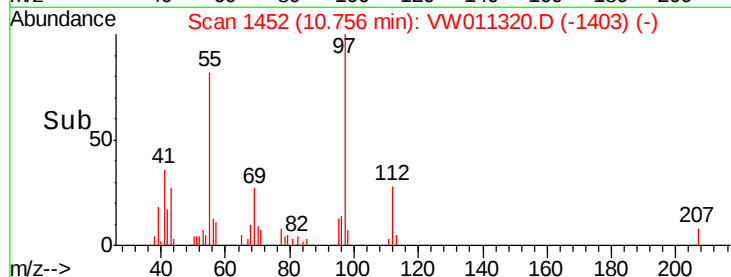
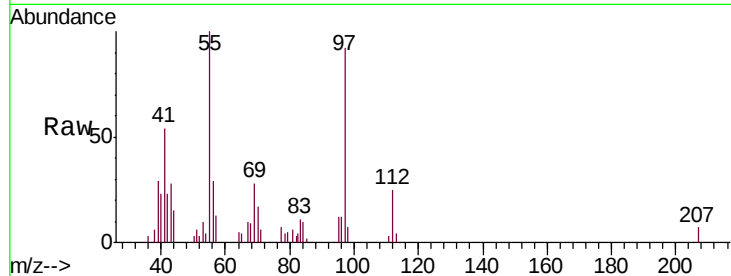




#46
 1,1,2-Trichloroethane
 Concen: 1.239 ug/L
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW011320.D
 Acq: 17 Jul 2019 21:51

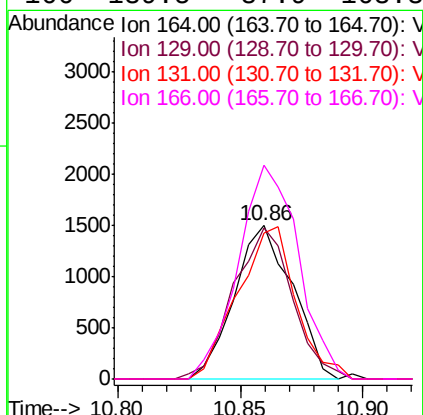
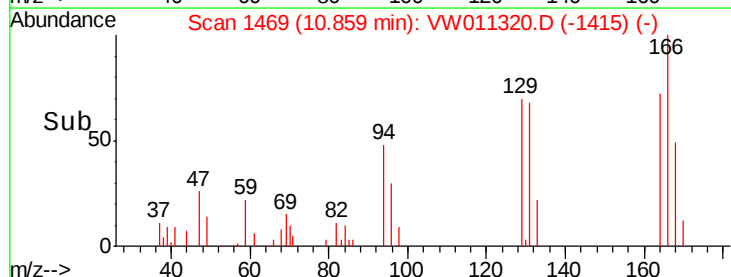
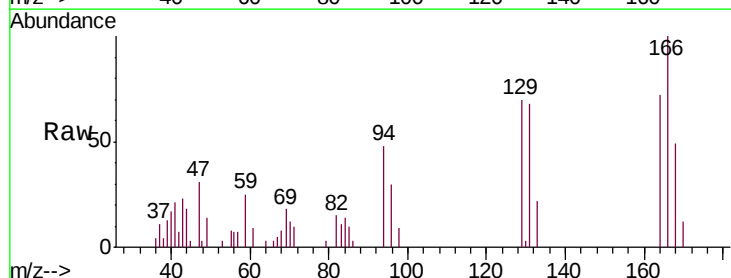
Instrument :
 MSVOA_W
 ClientSampleId :
 A52F6

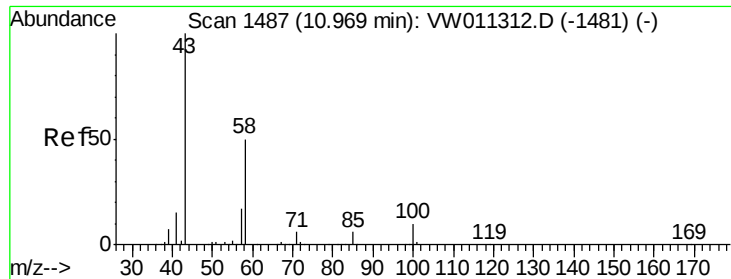
Tgt Ion: 97 Resp: 3897
 Ion Ratio Lower Upper
 97 100
 83 12.1 63.1 117.3#
 85 2.7 39.0 72.4#
 99 0.0 41.5 77.1#



#47
 Tetrachloroethene
 Concen: 0.788 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011320.D
 Acq: 17 Jul 2019 21:51

Tgt Ion: 164 Resp: 2491
 Ion Ratio Lower Upper
 164 100
 129 98.3 68.5 127.1
 131 95.4 64.8 120.4
 166 139.5 87.9 163.3





#49

2-Hexanone

Concen: 4.142 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Instrument :

MSVOA_W

ClientSampleId :

A52F6

Tgt Ion: 43 Resp: 12691

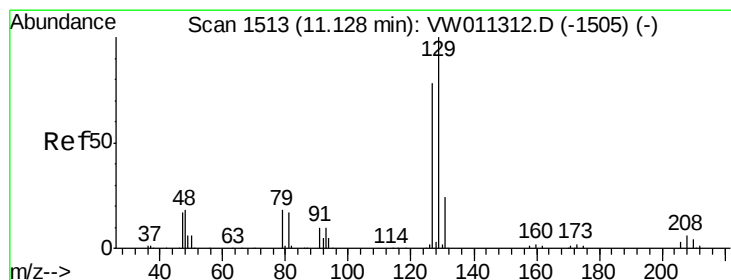
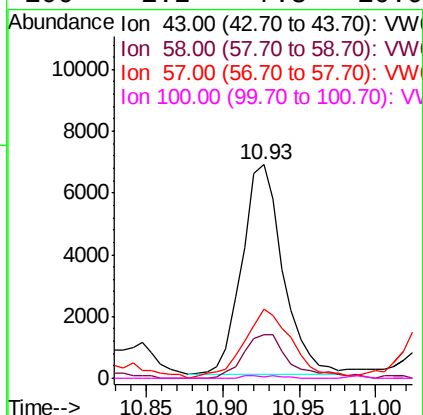
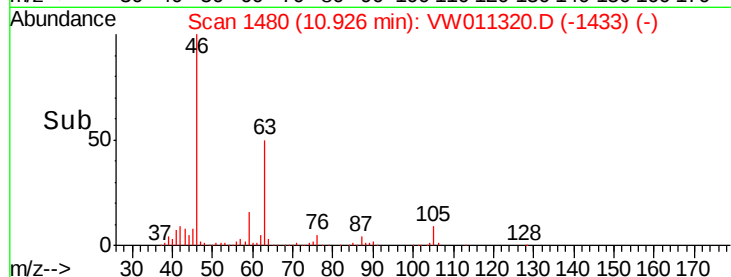
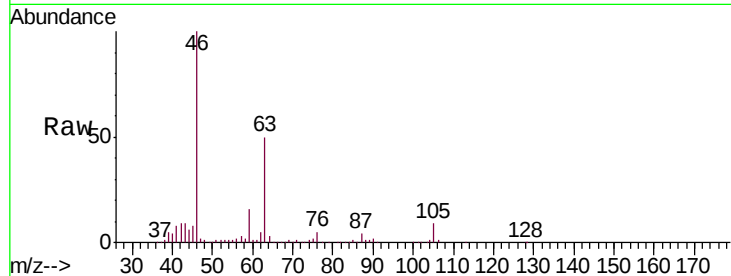
Ion Ratio Lower Upper

43 100

58 23.8 38.4 57.6#

57 37.8 13.3 19.9#

100 1.2 7.3 10.9#



#50

Dibromochloromethane

Concen: 0.744 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW011320.D

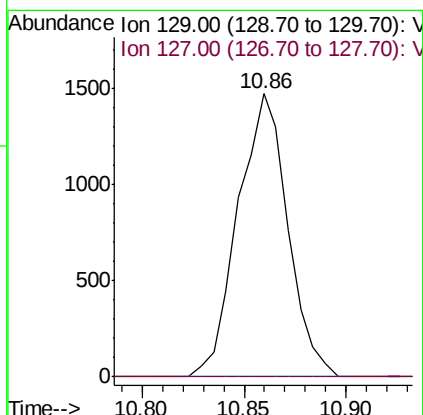
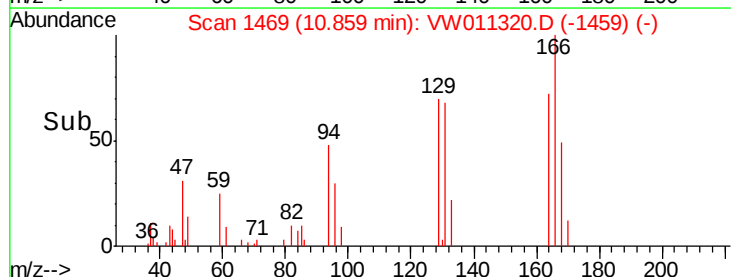
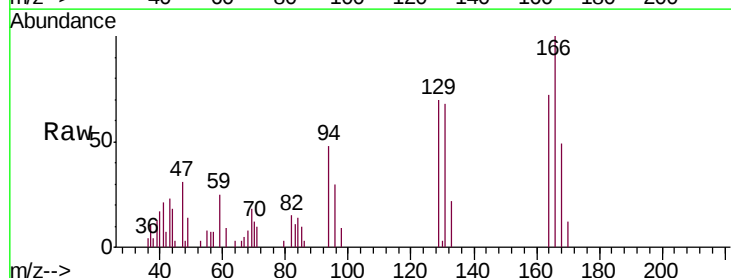
Acq: 17 Jul 2019 21:51

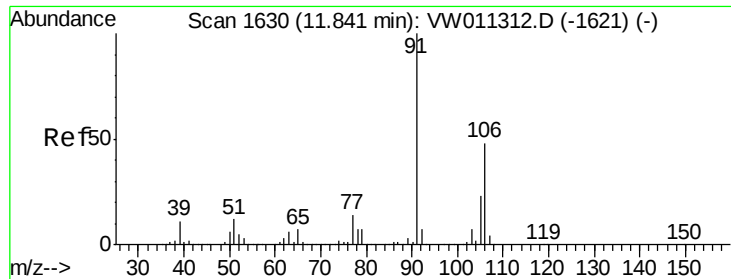
Tgt Ion: 129 Resp: 2490

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#





#54

m,p-Xylene

Concen: 0.564 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

Instrument :

MSVOA_W

ClientSampleId :

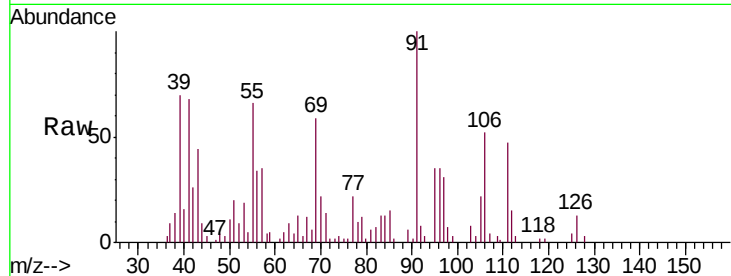
A52F6

Tgt Ion:106 Resp: 3984

Ion Ratio Lower Upper

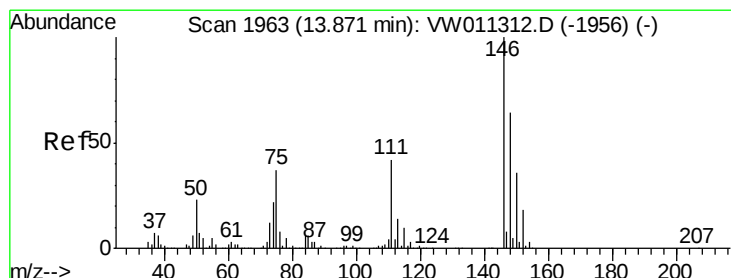
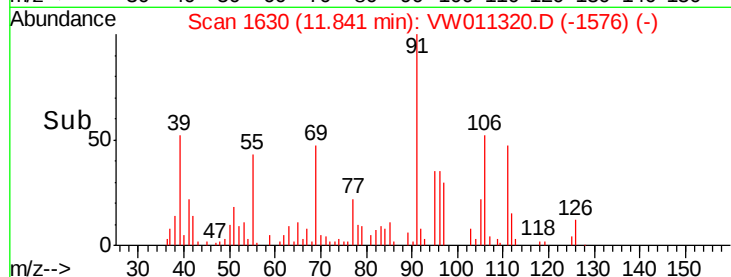
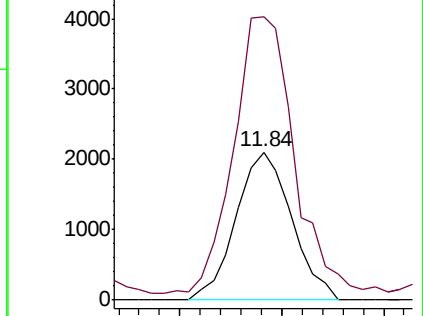
106 100

91 191.7 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#65

1,2-Dichlorobenzene

Concen: 1.718 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011320.D

Acq: 17 Jul 2019 21:51

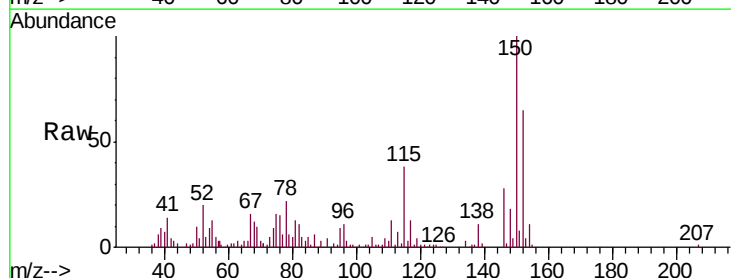
Tgt Ion:146 Resp: 9138

Ion Ratio Lower Upper

146 100

111 47.2 34.1 51.1

148 64.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

