

Data File : VW006884.D
Acq On : 14 Nov 2018 23:27
Operator : SY/AP
Sample : J5944-02MS
Misc : 4.96G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETHS2MS

Quant Time: Nov 15 03:41:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 15 03:38:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	183079	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	173679	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	74419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38993	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.96%
7) Chloroethane-d5	2.89	69	29522	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.00%
10) 1,1-Dichloroethene-d2	4.03	63	100587	23.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.68%
20) 2-Butanone-d5	7.09	46	28434	31.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.48%
24) Chloroform-d	7.65	84	92583	22.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	8.31	65	55303	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.72%
29) Benzene-d6	8.27	84	207298	22.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.32%
33) 1,2-Dichloropropane-d6	9.28	67	62439	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.88%
37) Toluene-d8	10.33	98	212154	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.24%
38) trans-1,3-Dichloropropene-	10.58	79	26030	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.20%
39) 2-Hexanone-d5	10.93	63	22775	32.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	46762	19.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	65343	23.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.76%

Target Compounds

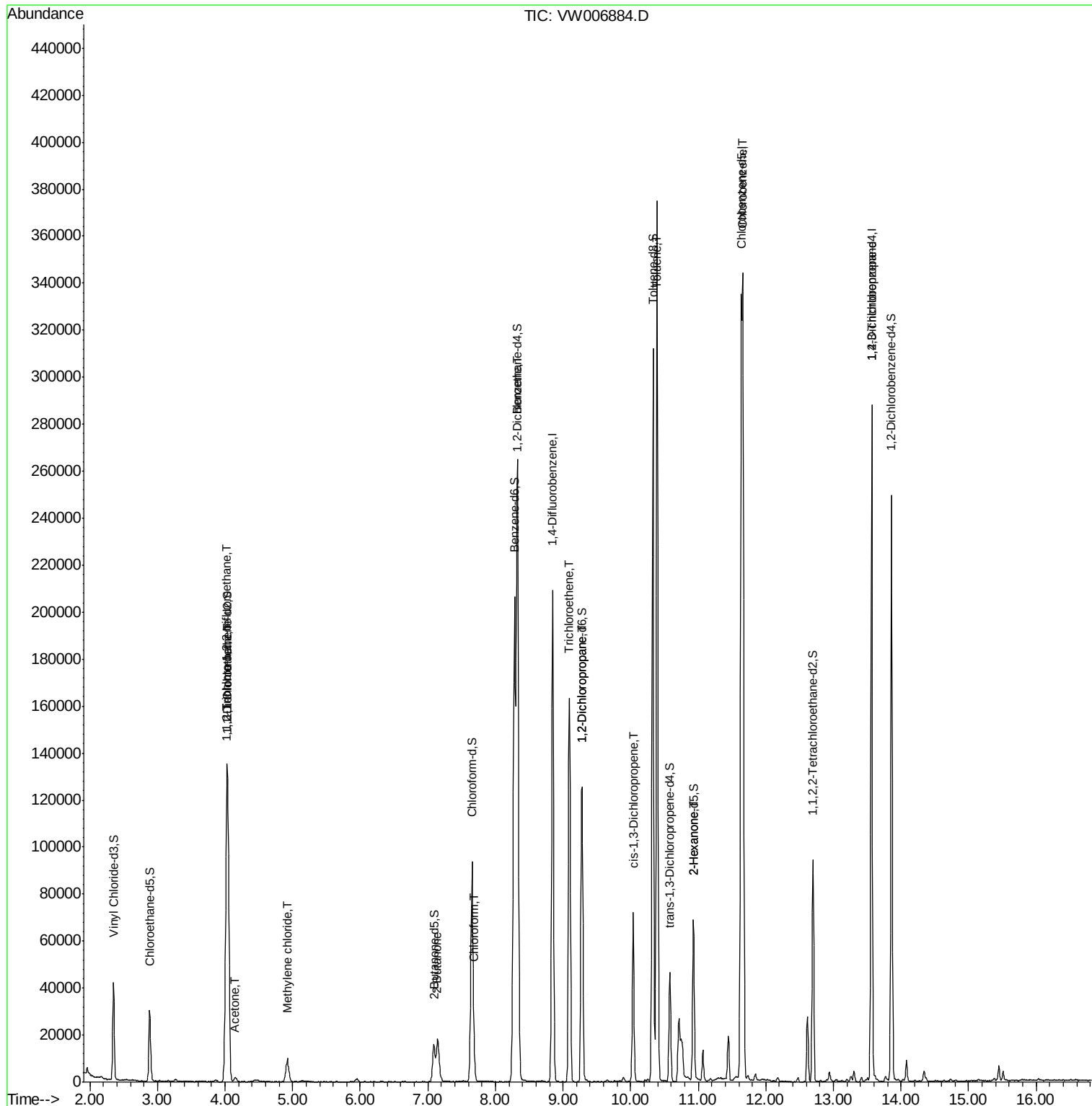
						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	847	0.351	ug/L #	21
12) 1,1-Dichloroethene	4.04	96	49776	23.799	ug/L	98
13) Acetone	4.15	43	2083	3.610	ug/L	98
16) Methylene chloride	4.92	84	7304	2.282	ug/L	88
21) 2-Butanone	7.15	43	480	0.482	ug/L #	65
25) Chloroform	7.68	83	5914	1.312	ug/L #	70
34) Benzene	8.33	78	235216	24.217	ug/L	100
35) Trichloroethene	9.10	95	60348	22.811	ug/L	99
40) 1,2-Dichloropropane	9.27	63	6811	2.846	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	1710	0.473	ug/L #	56
44) Toluene	10.39	91	278669	25.057	ug/L	98
49) 2-Hexanone	10.93	43	2789	2.009	ug/L #	66
52) Chlorobenzene	11.66	112	172942	24.724	ug/L	99
59) 1,2,3-Trichloropropane	13.57	75	9263	5.117	ug/L	94

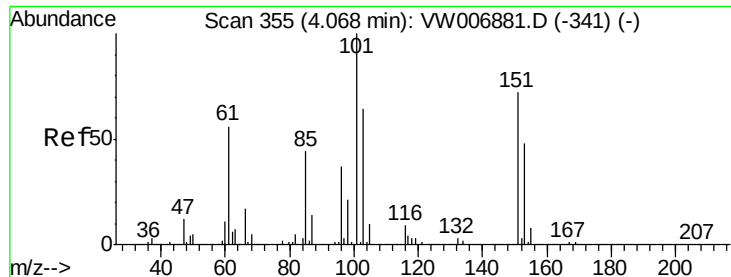
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.351 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Instrument :

MSVOA_W

ClientSampleId :

ETHS2MS

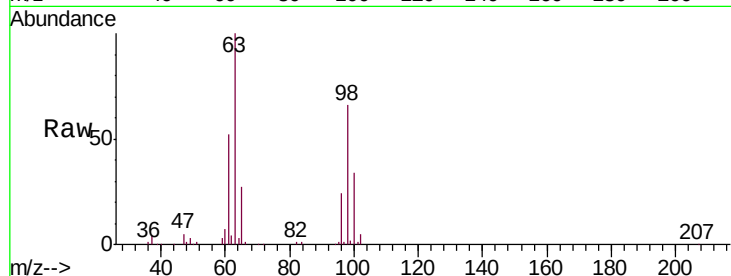
Tgt Ion: 101 Resp: 847

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.8#

151 0.0 57.5 86.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

4.02

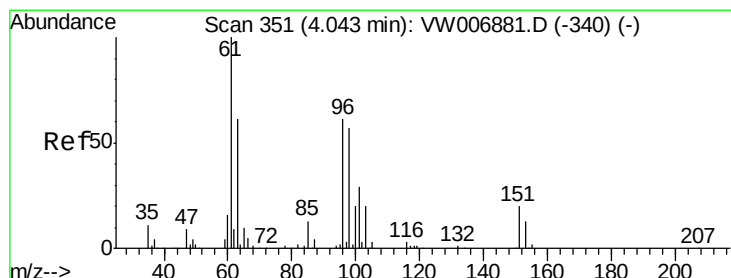
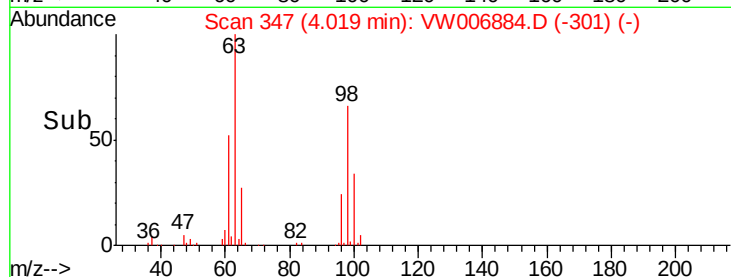
300

200

100

0

Time--> 3.95 4.00 4.05 4.10 4.15



#12

1,1-Dichloroethene

Concen: 23.799 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

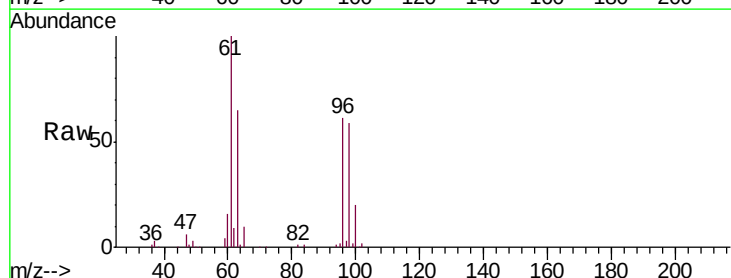
Tgt Ion: 96 Resp: 49776

Ion Ratio Lower Upper

96 100

61 162.6 116.3 215.9

63 105.3 73.4 136.4



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

40000

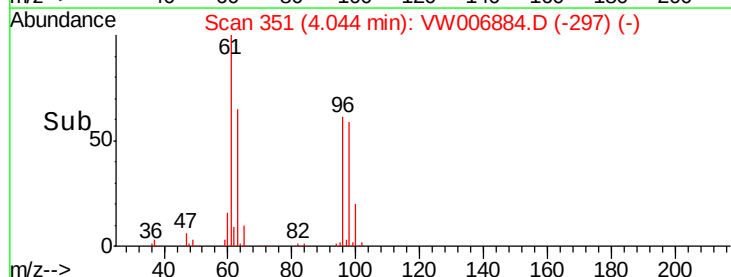
30000

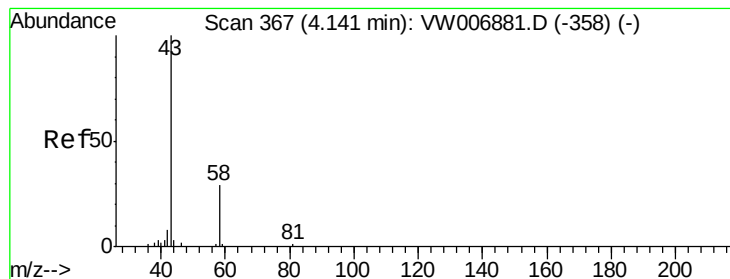
20000

10000

0

Time--> 3.95 4.00 4.05 4.10 4.15





#13

Acetone

Concen: 3.610 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Instrument :

MSVOA_W

ClientSampleId :

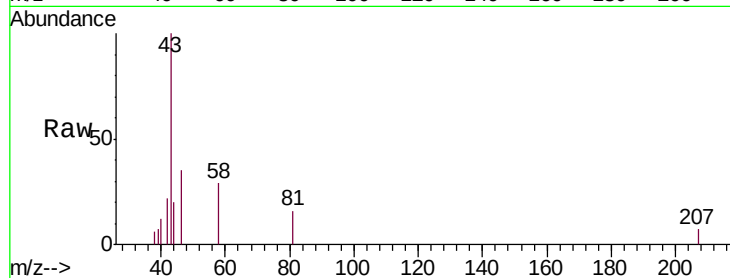
ETHS2MS

Tgt Ion: 43 Resp: 2083

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

600

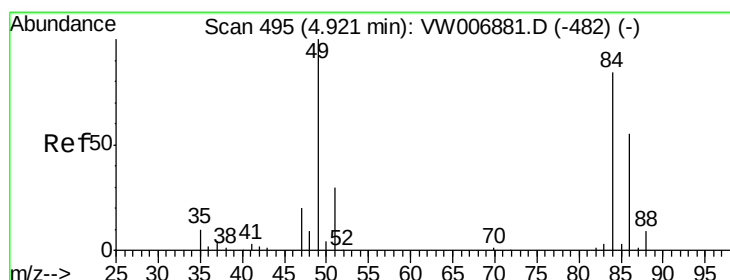
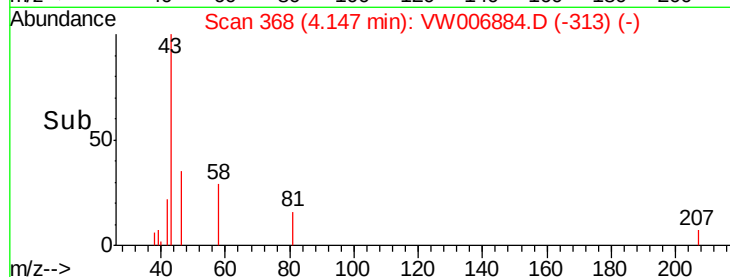
400

200

0

4.05 4.10 4.15 4.20 4.25

Time-->



#16

Methylene chloride

Concen: 2.282 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

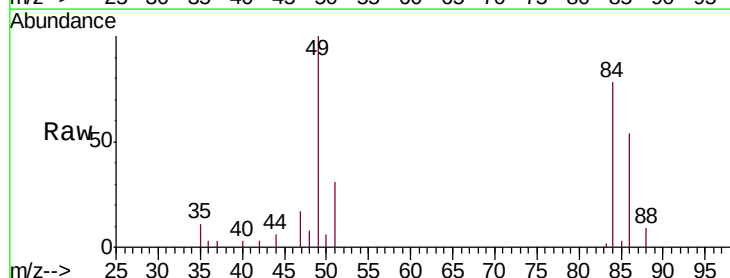
Tgt Ion: 84 Resp: 7304

Ion Ratio Lower Upper

84 100

49 128.7 79.3 147.3

86 69.1 43.5 80.9



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

4000

3000

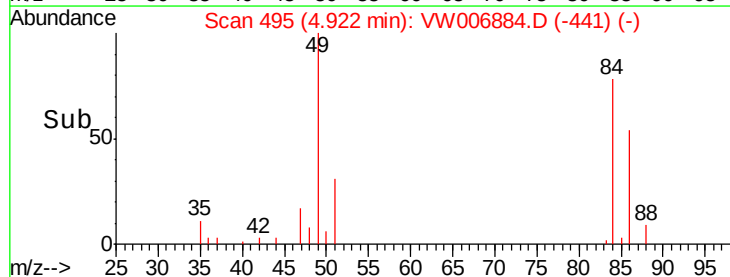
2000

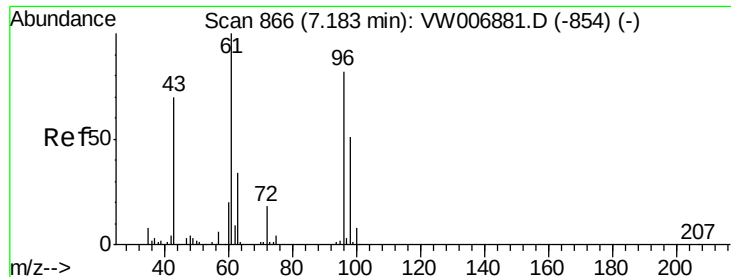
1000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#21

2-Butanone

Concen: 0.482 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Instrument :

MSVOA_W

ClientSampleId :

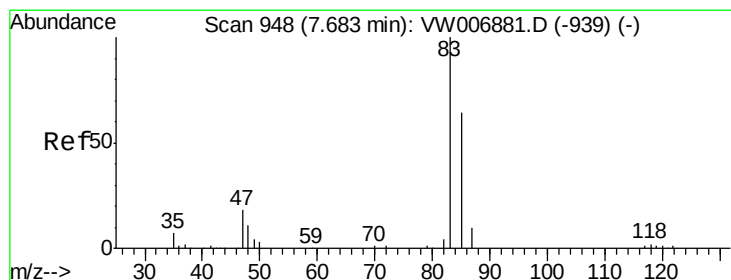
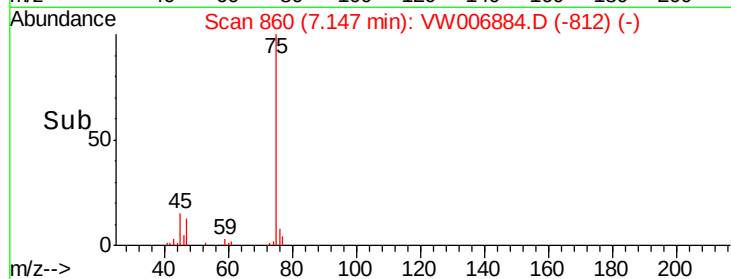
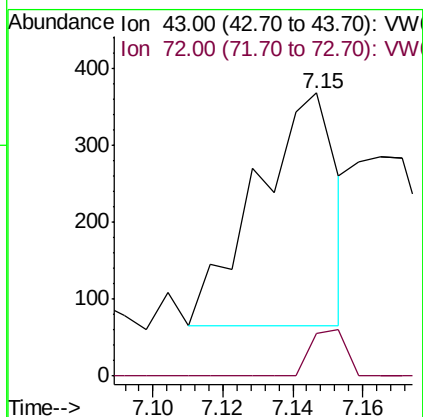
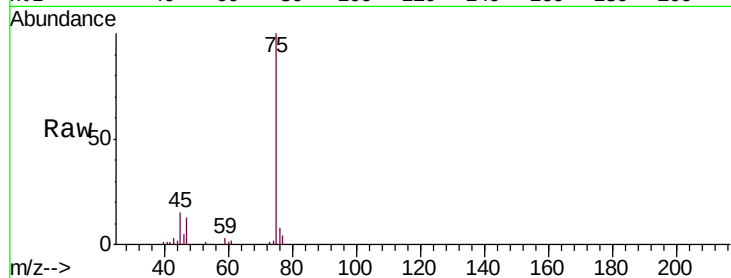
ETHS2MS

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

72 8.8 13.5 40.5#



#25

Chloroform

Concen: 1.312 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW006884.D

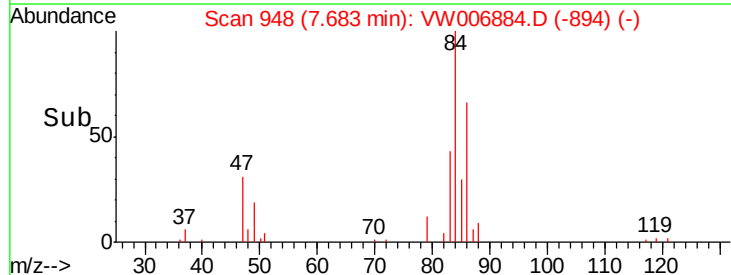
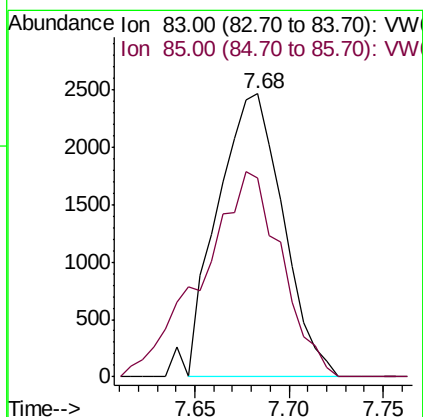
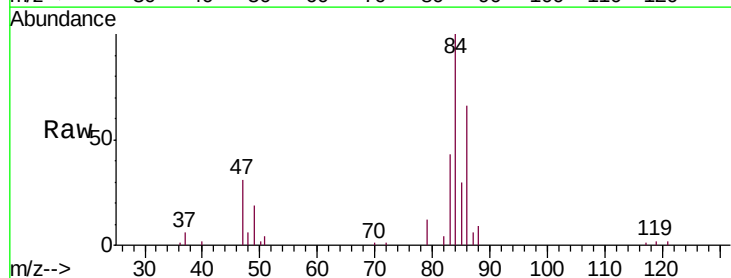
Acq: 14 Nov 2018 23:27

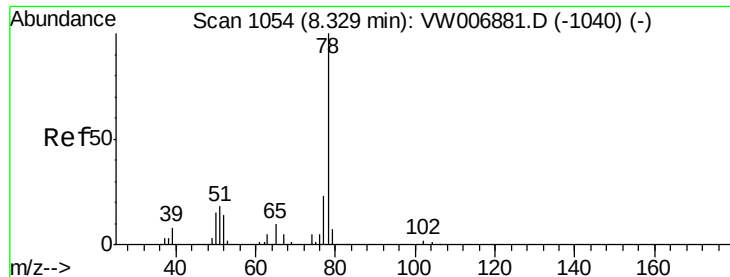
Tgt Ion: 83 Resp: 5914

Ion Ratio Lower Upper

83 100

85 88.1 45.4 84.2#





#34

Benzene

Concen: 24.217 ug/L

RT: 8.33 min Scan# 1054

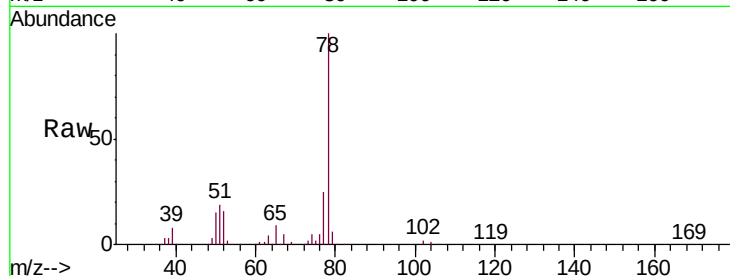
Delta R.T. 0.00 min

Lab File: VW006884.D

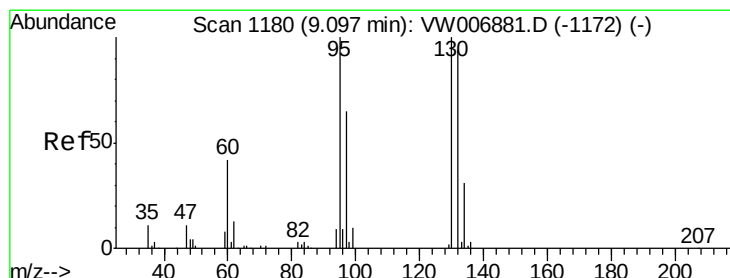
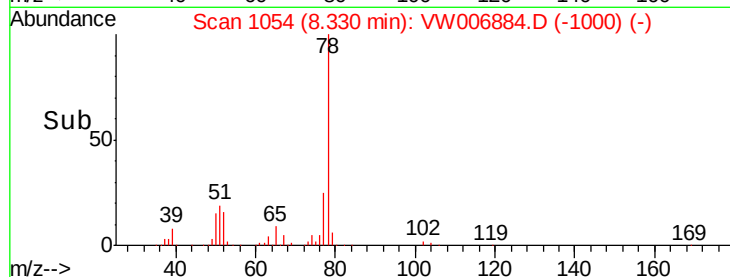
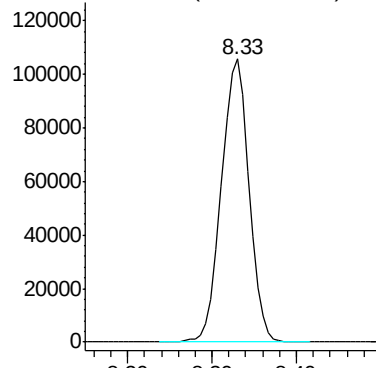
Acq: 14 Nov 2018 23:27

Instrument :
MSVOA_W
ClientSampleId :
ETHS2MS

Tgt Ion: 78 Resp: 235216



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.811 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Tgt Ion: 95 Resp: 60348

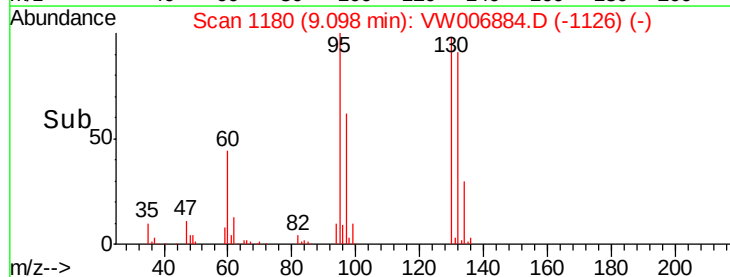
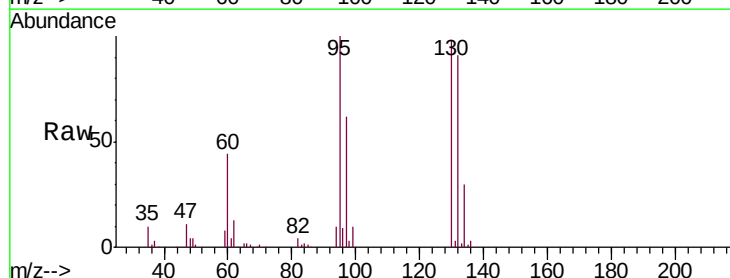
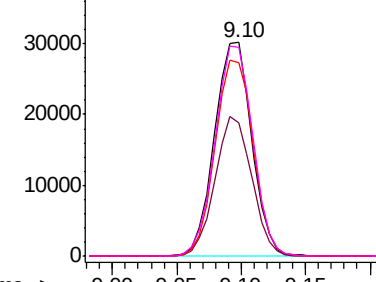
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.1	83.9
132	93.7	65.7	121.9
130	99.3	68.7	127.7

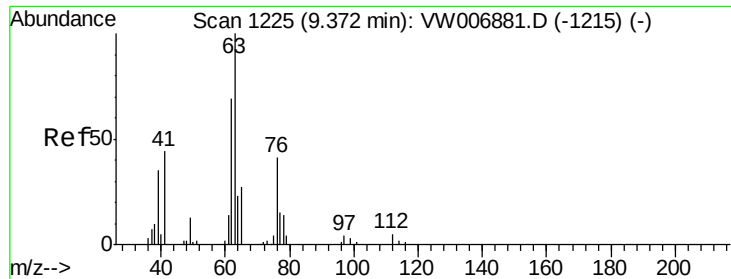
Abundance Ion 95.00 (94.70 to 95.70): VW

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

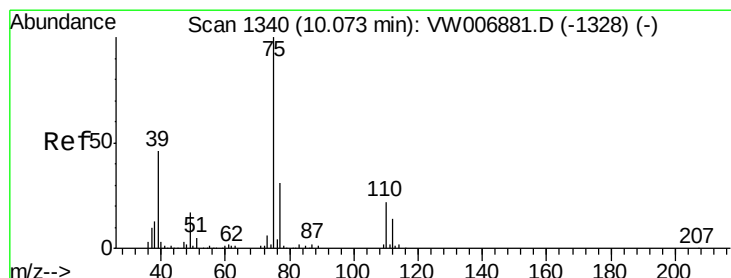
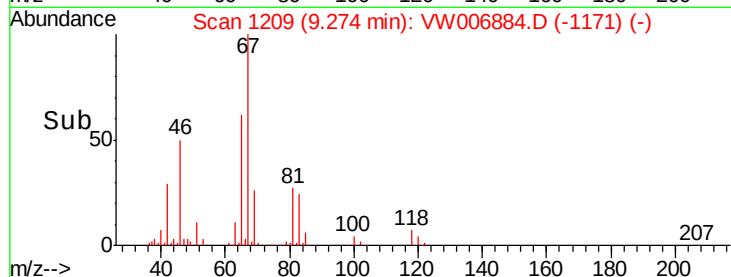
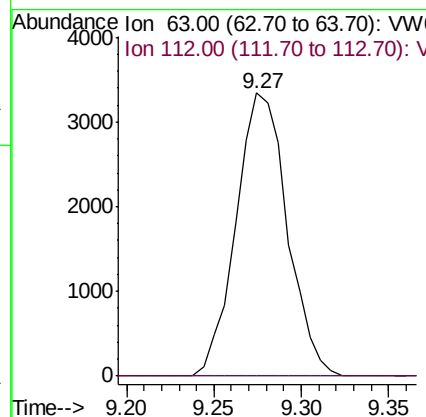
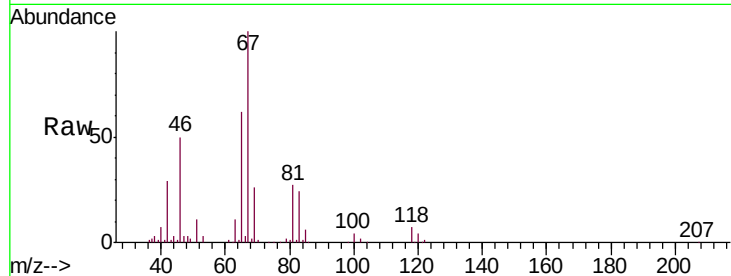




#40
 1,2-Dichloropropane
 Concen: 2.846 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW006884.D
 Acq: 14 Nov 2018 23:27

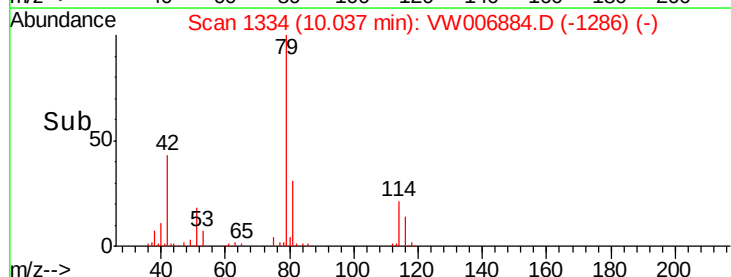
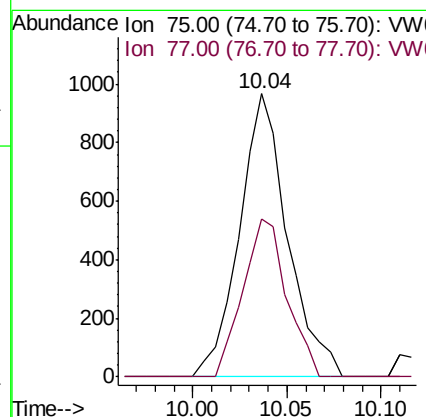
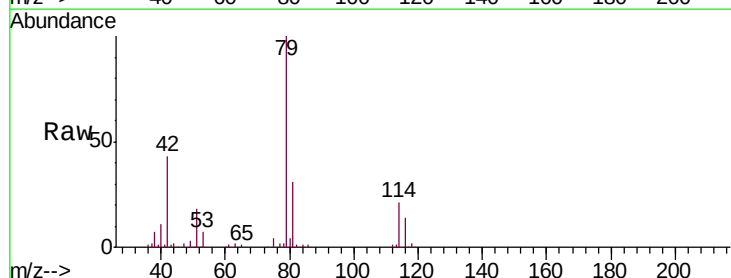
Instrument :
 MSVOA_W
 ClientSampleId :
 ETHS2MS

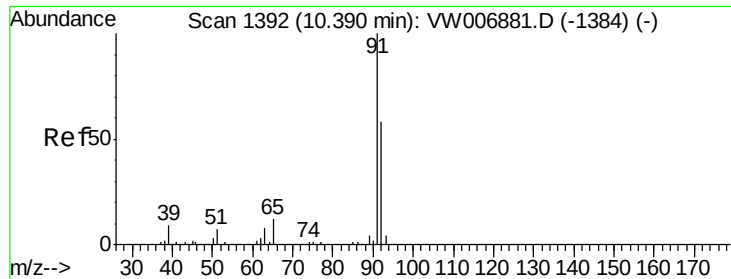
Tgt Ion: 63 Resp: 6811
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.473 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW006884.D
 Acq: 14 Nov 2018 23:27

Tgt Ion: 75 Resp: 1710
 Ion Ratio Lower Upper
 75 100
 77 55.8 21.9 40.7#





#44

Toluene

Concen: 25.057 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Instrument :

MSVOA_W

ClientSampleId :

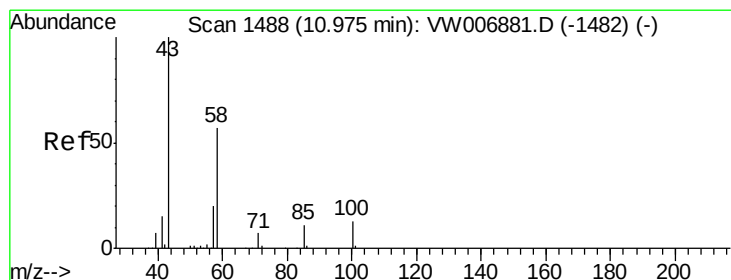
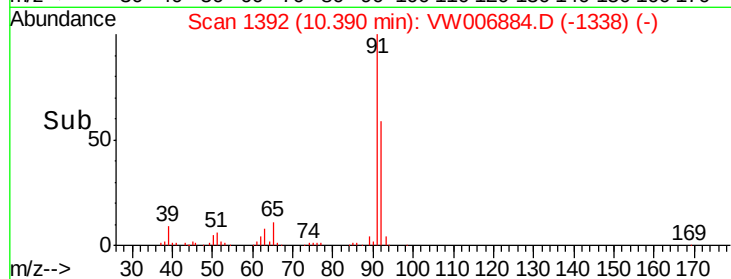
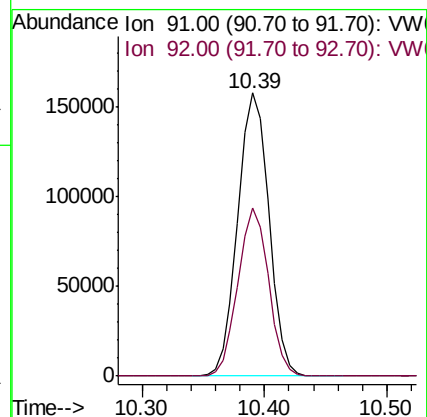
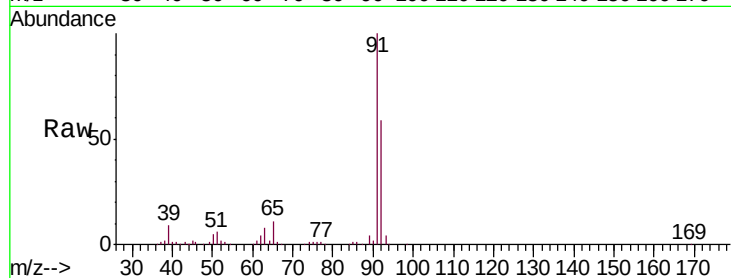
ETHS2MS

Tgt Ion: 91 Resp: 278669

Ion Ratio Lower Upper

91 100

92 59.5 40.5 75.3



#49

2-Hexanone

Concen: 2.009 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.05 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Tgt Ion: 43 Resp: 2789

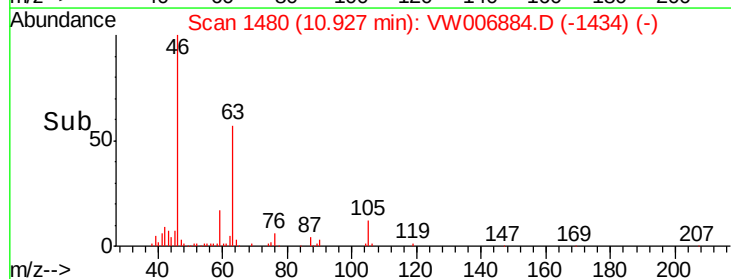
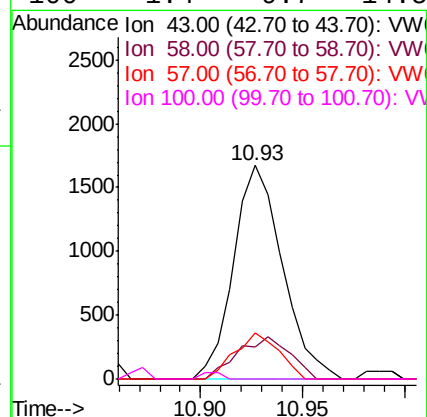
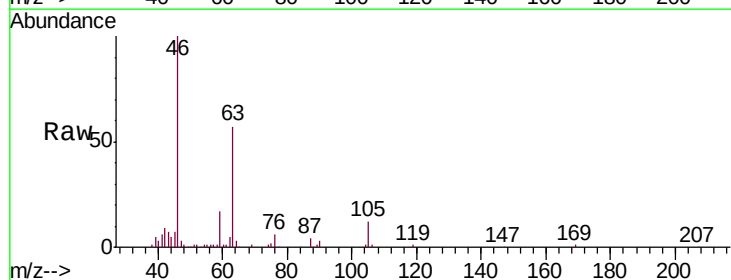
Ion Ratio Lower Upper

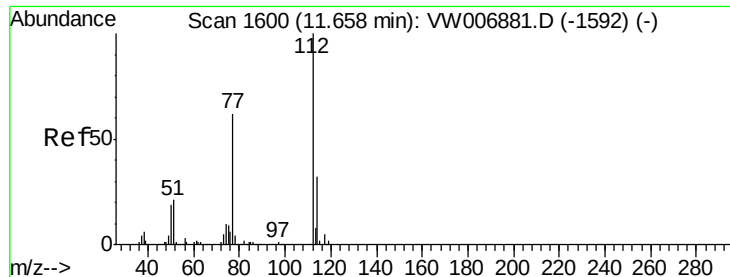
43 100

58 21.1 44.6 67.0#

57 19.6 16.0 24.0

100 1.4 9.7 14.5#





#52

Chlorobenzene

Concen: 24.724 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006884.D

Acq: 14 Nov 2018 23:27

Instrument :

MSVOA_W

ClientSampleId :

ETHS2MS

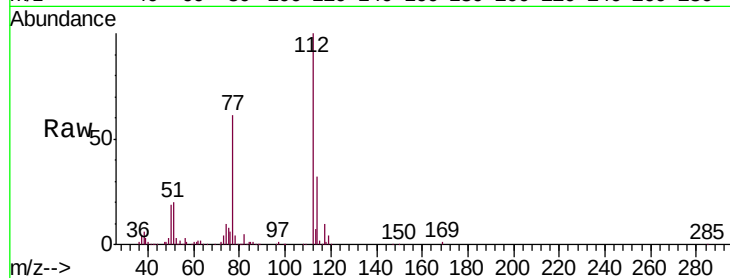
Tgt Ion: 112 Resp: 172942

Ion Ratio Lower Upper

112 100

77 60.6 47.8 71.8

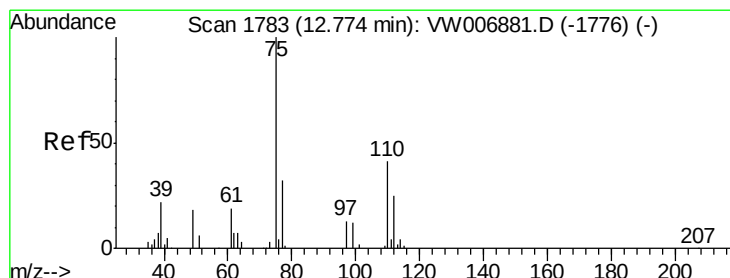
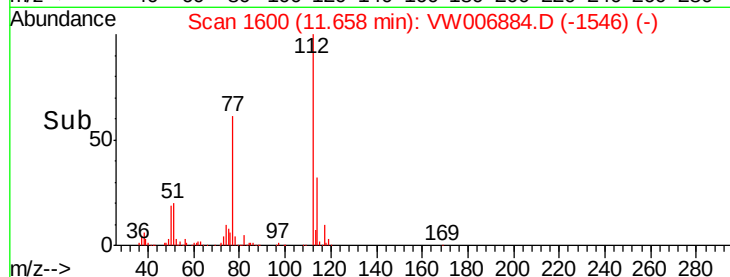
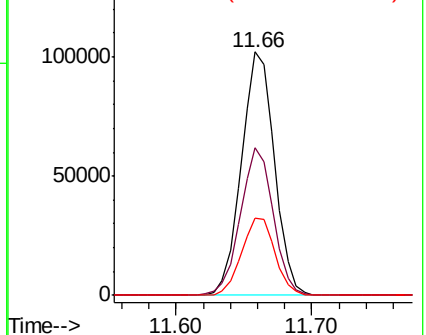
114 31.9 22.3 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#59

1,2,3-Trichloropropane

Concen: 5.117 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.79 min

Lab File: VW006884.D

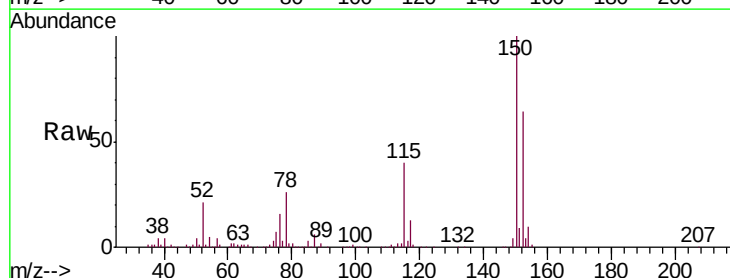
Acq: 14 Nov 2018 23:27

Tgt Ion: 75 Resp: 9263

Ion Ratio Lower Upper

75 100

77 36.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

