

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
 Data File : VW005368.D
 Acq On : 13 Sep 2018 23:43
 Operator : SY/AP
 Sample : J4865-05
 Misc : 5.26G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DB3N3

Quant Time: Sep 14 06:58:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 06:56:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	5131	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	4914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	1156	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1289	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.08%
7) Chloroethane-d5	2.90	69	1167	27.87	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.48%
10) 1,1-Dichloroethene-d2	4.03	63	1201	11.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.44%
20) 2-Butanone-d5	7.09	46	91	4.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	8.16%#
24) Chloroform-d	7.66	84	2077	21.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	8.32	65	1940	31.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.80%
29) Benzene-d6	8.28	84	4928	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	9.28	67	1625	28.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.44%
37) Toluene-d8	10.34	98	3795	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.96%
38) trans-1,3-Dichloropropene-	10.59	79	365	12.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	51.80%
39) 2-Hexanone-d5	10.93	63	260	14.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	29.66%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	1162	19.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.92%
61) 1,2-Dichlorobenzene-d4	13.87	152	822	23.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.76%

Target Compounds

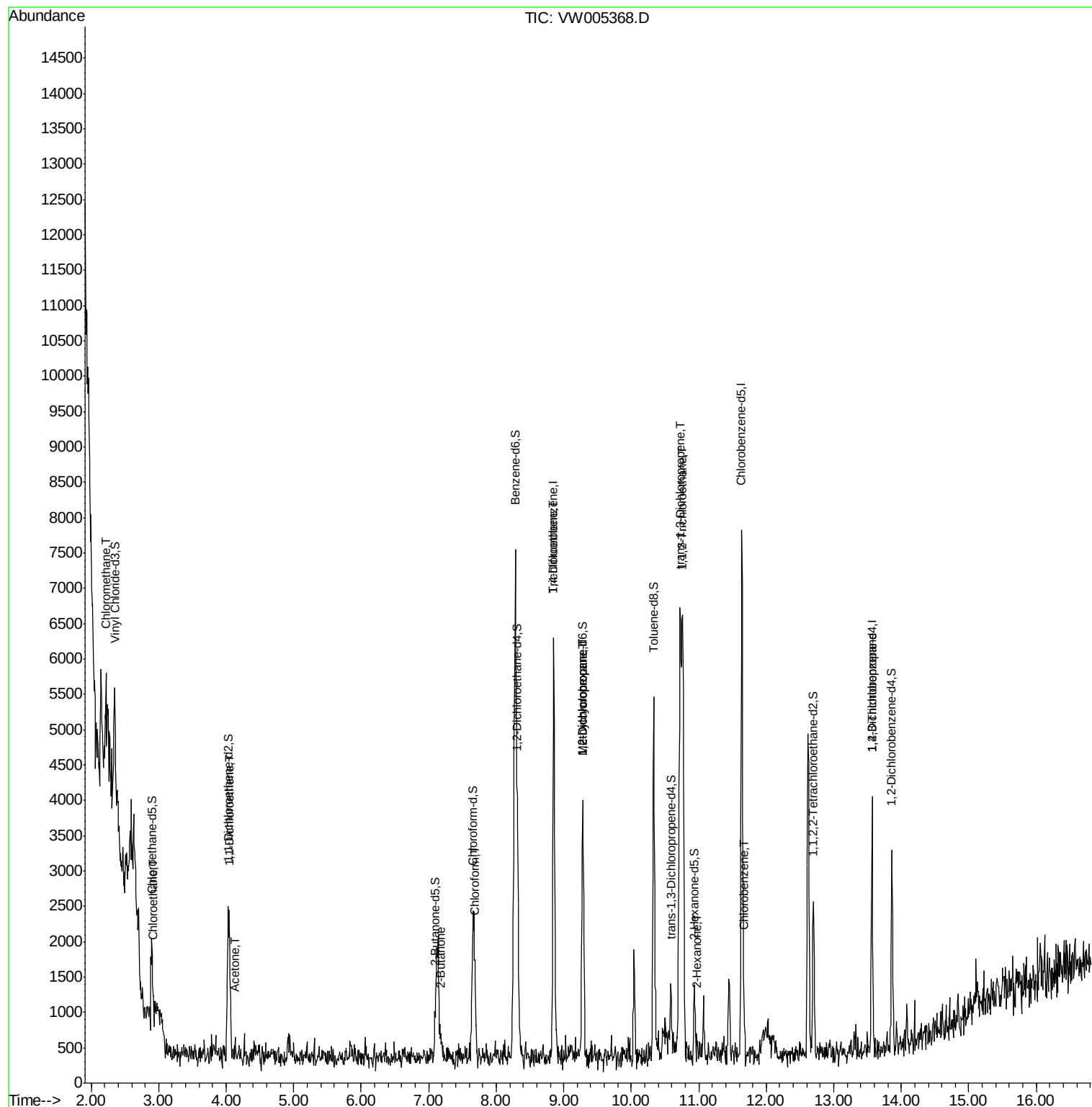
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	152	1.561	ug/L #	42
8) Chloroethane	2.92	64	76	1.542	ug/L #	41
12) 1,1-Dichloroethene	4.05	96	88	1.576	ug/L #	1
13) Acetone	4.14	43	237	11.318	ug/L #	46
21) 2-Butanone	7.18	43	45	1.402	ug/L #	52
25) Chloroform	7.69	83	458	3.822	ug/L #	52
35) Trichloroethene	8.84	95	94	1.294	ug/L #	5
36) Methylcyclohexane	9.29	83	432	3.425	ug/L #	16
40) 1,2-Dichloropropane	9.28	63	161	2.382	ug/L #	87
45) trans-1,3-Dichloropropene	10.73	75	103	1.101	ug/L #	3
46) 1,1,2-Trichloroethane	10.75	97	82	1.546	ug/L #	15
49) 2-Hexanone	10.98	43	87	1.831	ug/L #	39
52) Chlorobenzene	11.67	112	259	1.265	ug/L #	56
59) 1,2,3-Trichloropropane	13.56	75	46	0.738	ug/L #	43

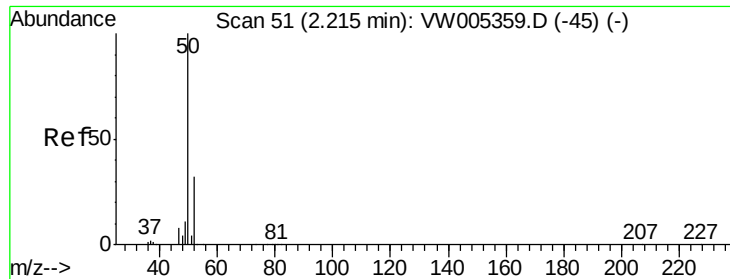
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 14 06:56:14 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.561 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005368.D

Acq: 13 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

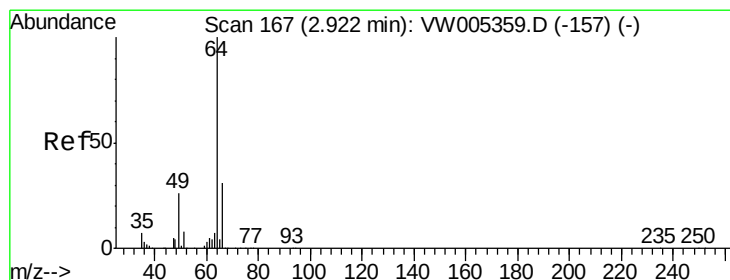
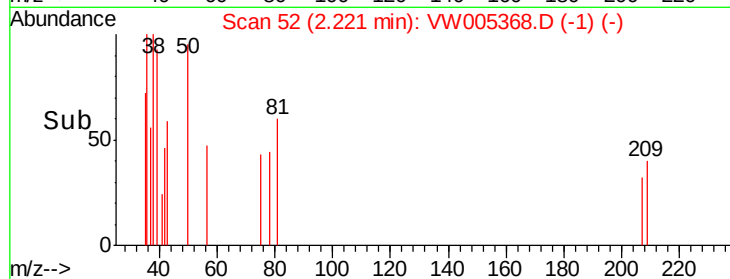
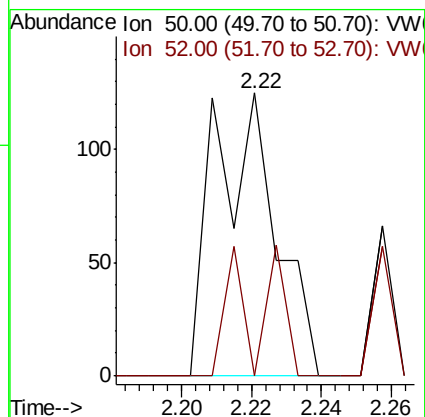
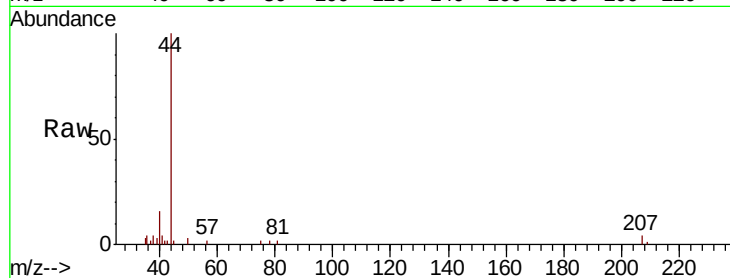
DB3N3

Tgt Ion: 50 Resp: 152

Ion Ratio Lower Upper

50 100

52 0.0 22.9 42.5#



#8

Chloroethane

Concen: 1.542 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW005368.D

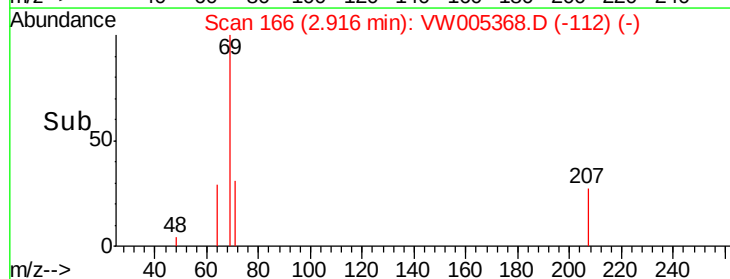
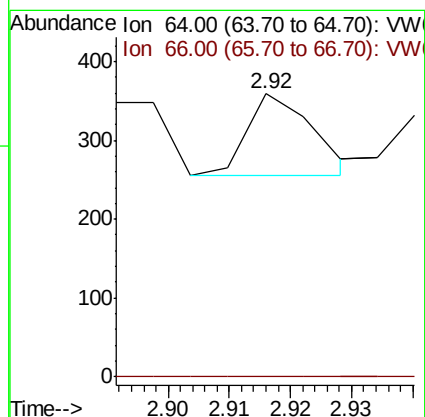
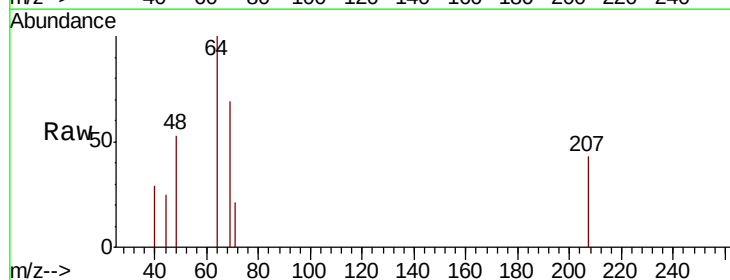
Acq: 13 Sep 2018 23:43

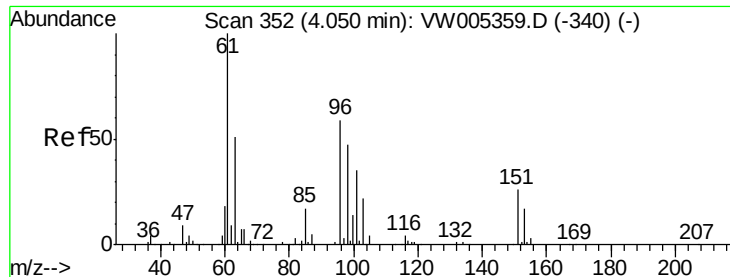
Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 0.0 23.7 43.9#

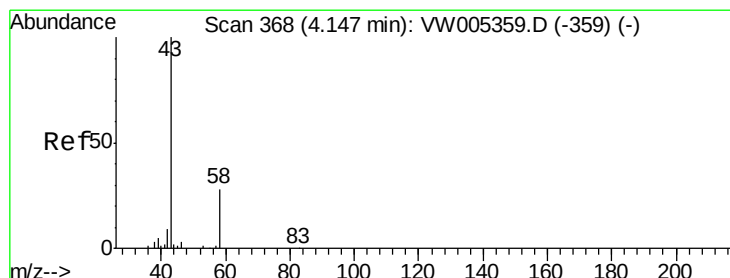
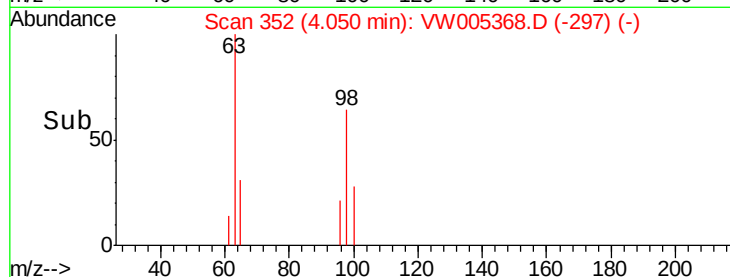
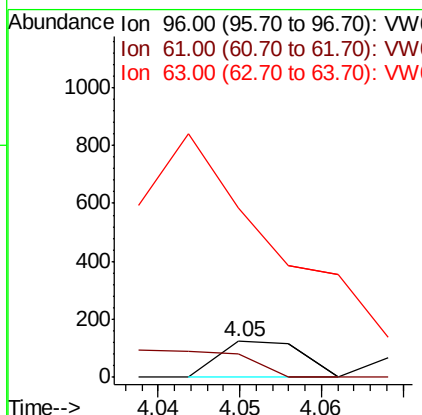
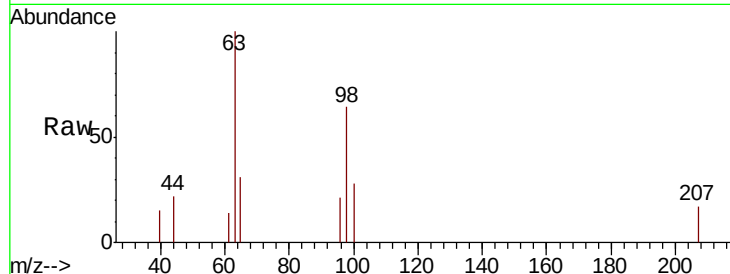




#12
 1,1-Dichloroethene
 Concen: 1.576 ug/L
 RT: 4.05 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

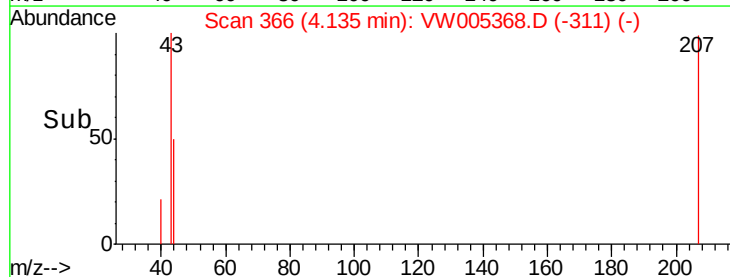
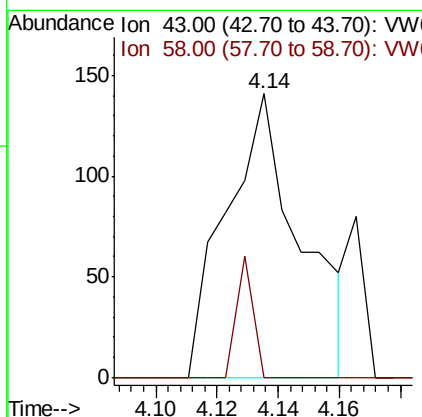
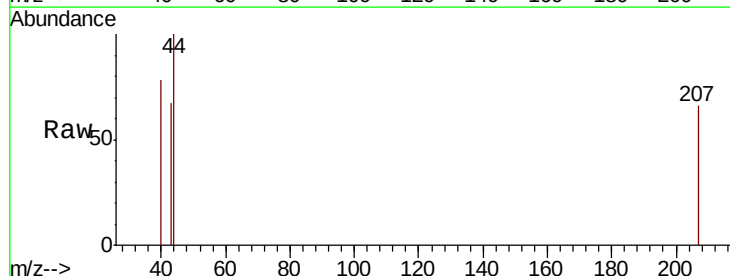
Instrument :
 MSVOA_W
 ClientSampled :
 DB3N3

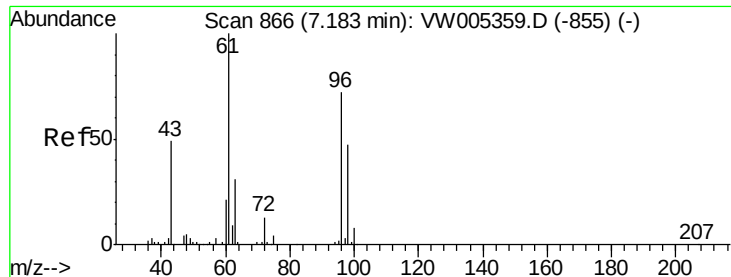
Tgt Ion: 96 Resp: 88
 Ion Ratio Lower Upper
 96 100
 61 63.2 123.3 229.1#
 63 467.2 69.4 128.8#



#13
 Acetone
 Concen: 11.318 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

Tgt Ion: 43 Resp: 237
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 57.6





#21

2-Butanone

Concen: 1.402 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005368.D

Acq: 13 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

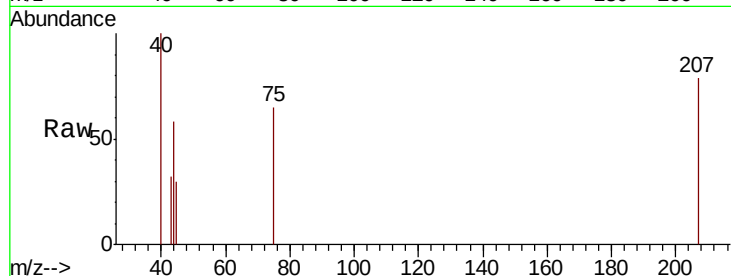
DB3N3

Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

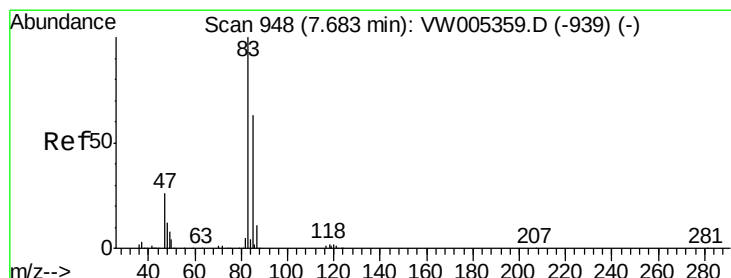
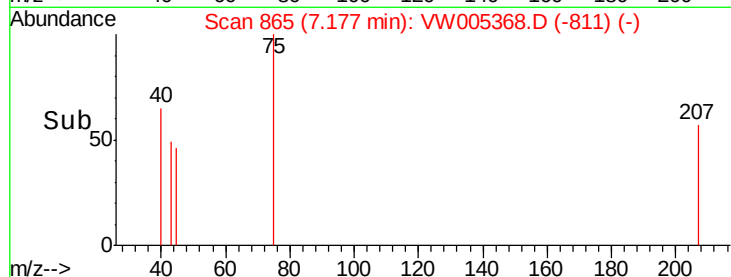
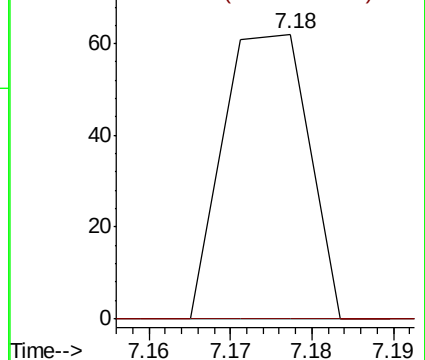
43 100

72 0.0 11.8 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#25

Chloroform

Concen: 3.822 ug/L

RT: 7.69 min Scan# 949

Delta R.T. 0.01 min

Lab File: VW005368.D

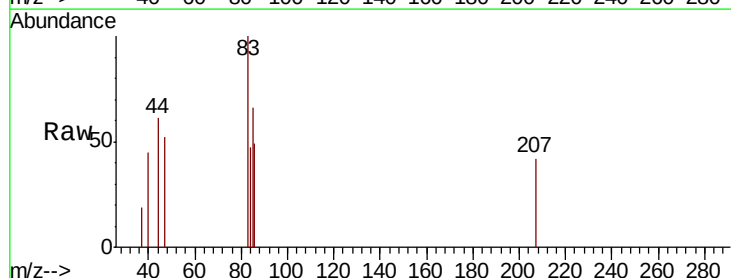
Acq: 13 Sep 2018 23:43

Tgt Ion: 83 Resp: 458

Ion Ratio Lower Upper

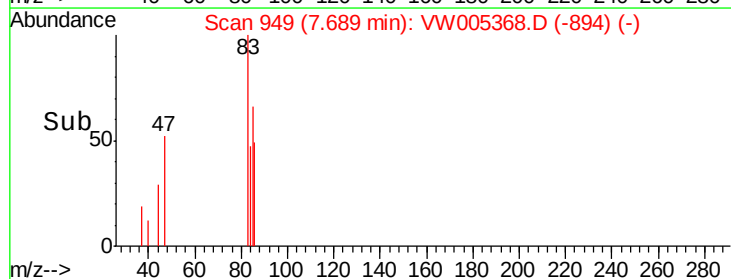
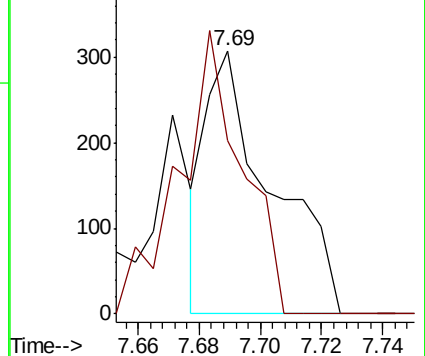
83 100

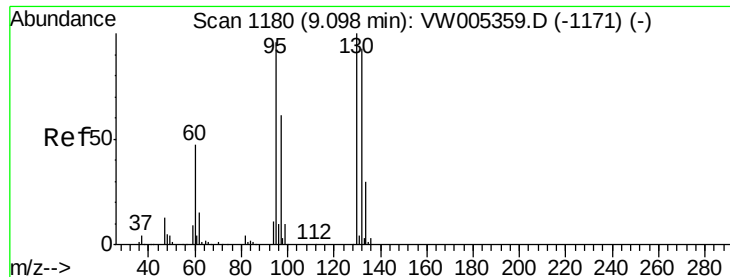
85 103.1 45.6 84.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#35

Trichloroethene

Concen: 1.294 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.26 min

Lab File: VW005368.D

Acq: 13 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampled :

DB3N3

Tgt Ion: 95 Resp: 94

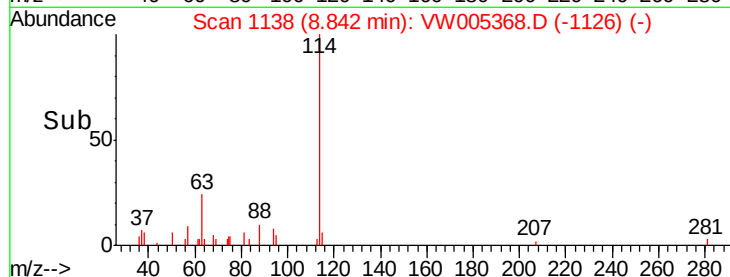
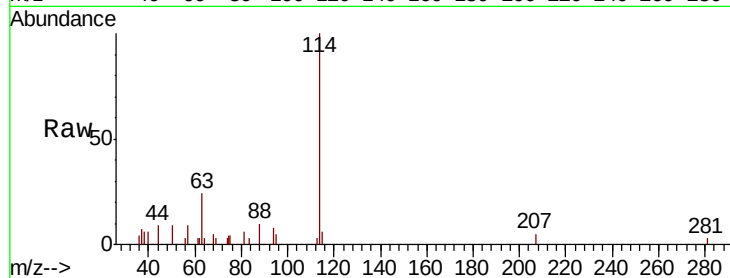
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 67.2 124.8#

130 0.0 68.8 127.8#

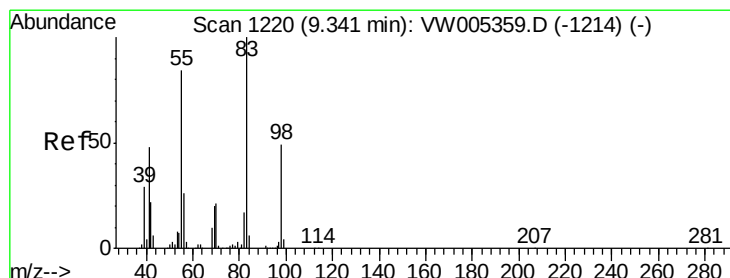
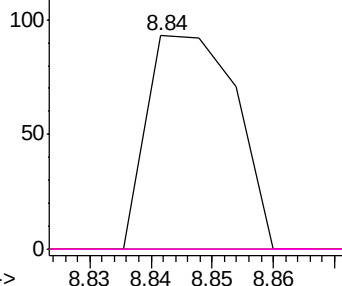


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.425 ug/L

RT: 9.29 min Scan# 1211

Delta R.T. -0.05 min

Lab File: VW005368.D

Acq: 13 Sep 2018 23:43

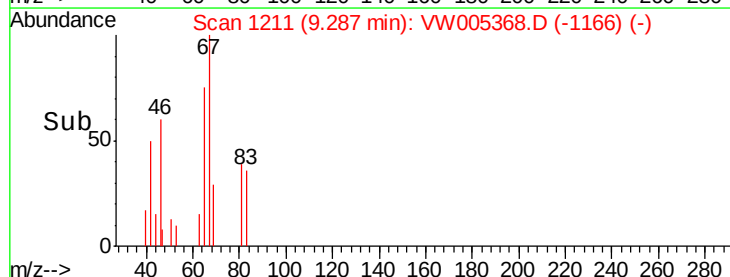
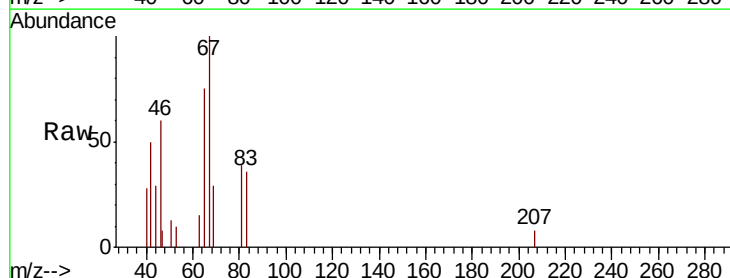
Tgt Ion: 83 Resp: 432

Ion Ratio Lower Upper

83 100

55 0.0 66.4 99.6#

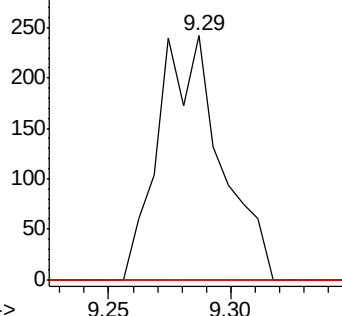
98 0.0 37.3 55.9#

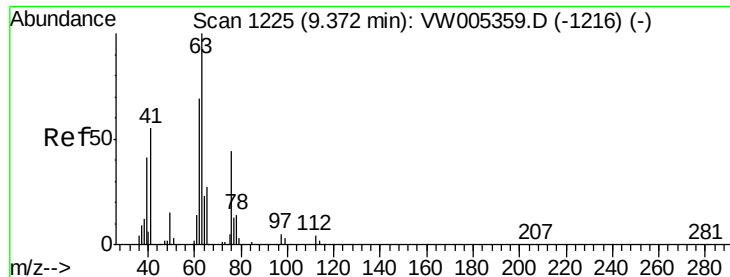


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

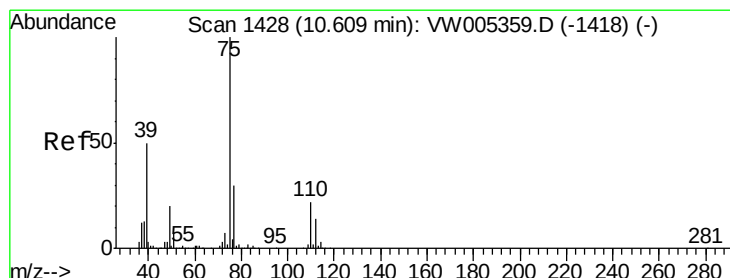
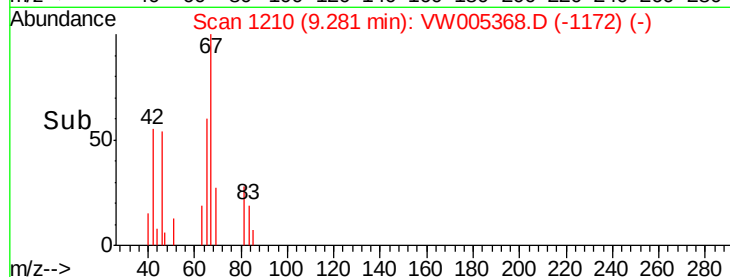
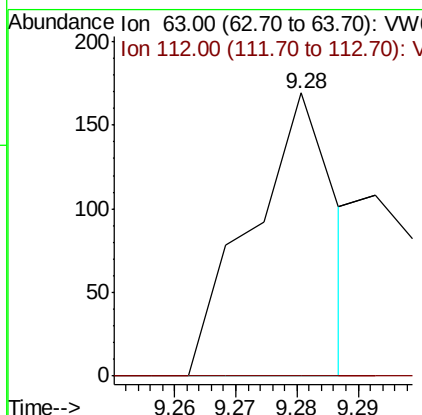
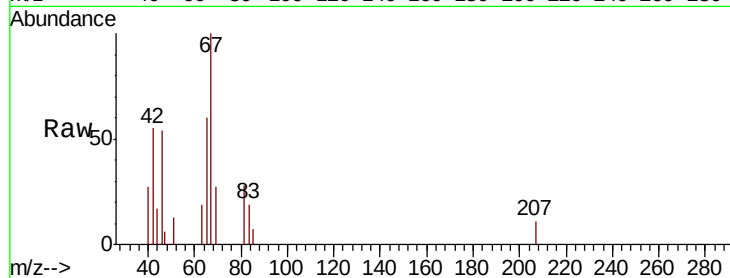




#40
 1,2-Dichloropropane
 Concen: 2.382 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.10 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

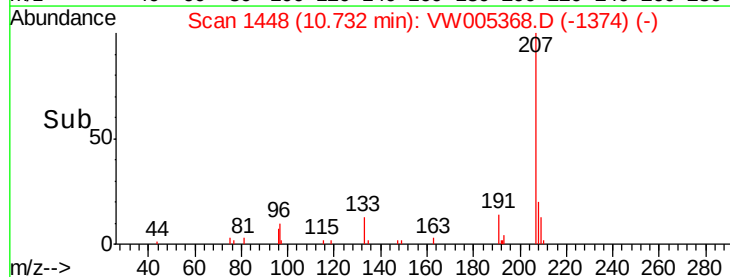
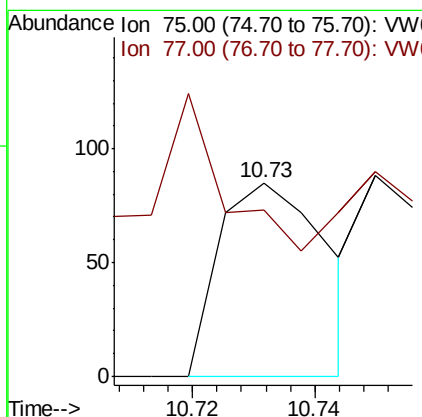
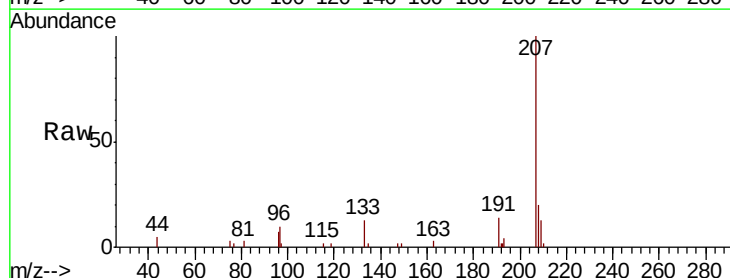
Instrument :
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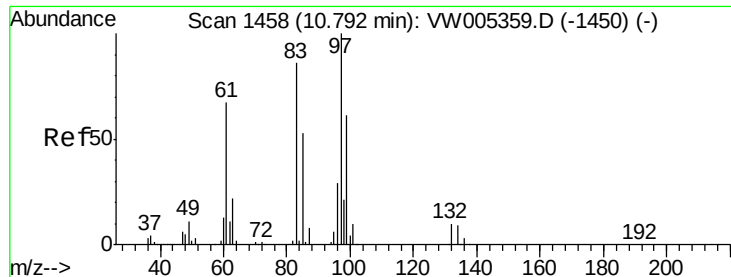
Tgt Ion: 63 Resp: 161
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#45
 trans-1,3-Dichloropropene
 Concen: 1.101 ug/L
 RT: 10.73 min Scan# 1448
 Delta R.T. 0.12 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

Tgt Ion: 75 Resp: 103
 Ion Ratio Lower Upper
 75 100
 77 85.9 22.3 41.3#

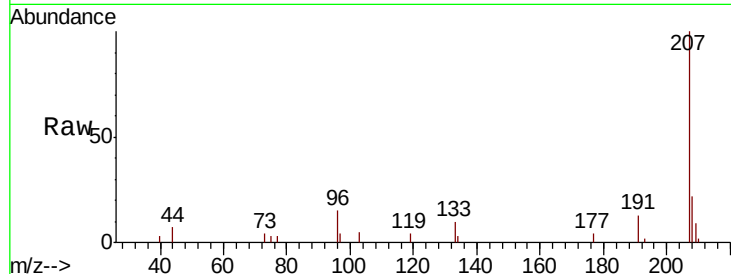




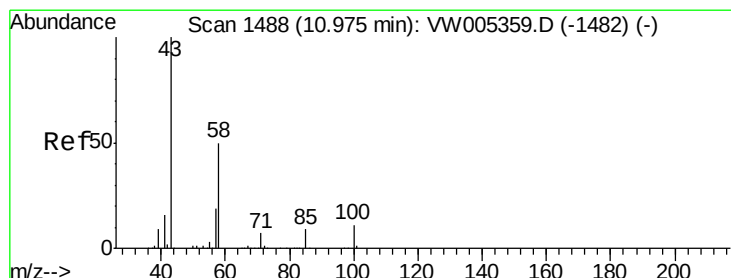
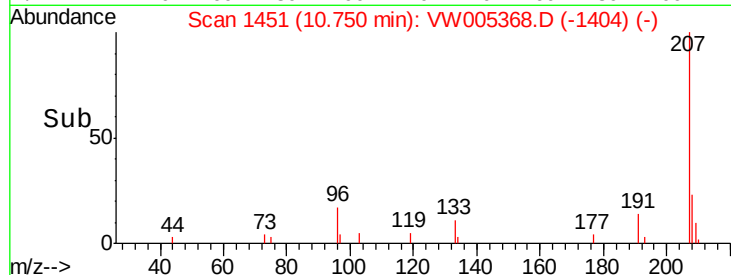
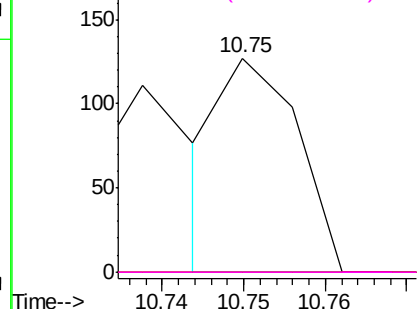
#46
 1,1,2-Trichloroethane
 Concen: 1.546 ug/L
 RT: 10.75 min Scan# 1451
 Delta R.T. -0.04 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 DB3N3

Tgt Ion:	97	Resp:	82
Ion	Ratio	Lower	Upper
97	100		
83	0.0	60.2	111.8#
85	0.0	37.9	70.5#
99	0.0	44.5	82.7#

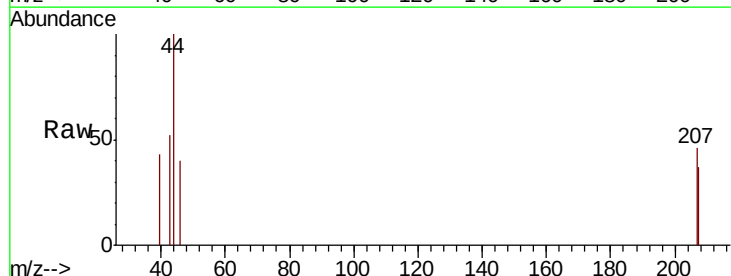


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

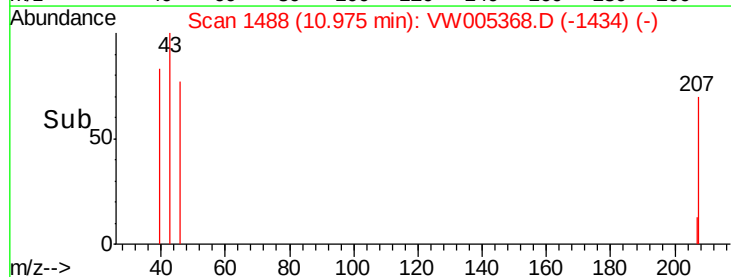
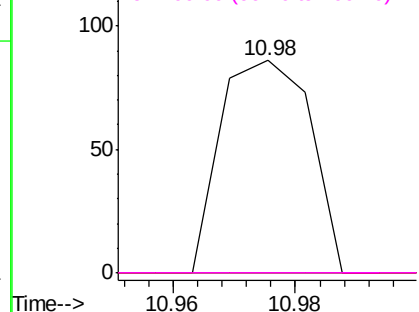


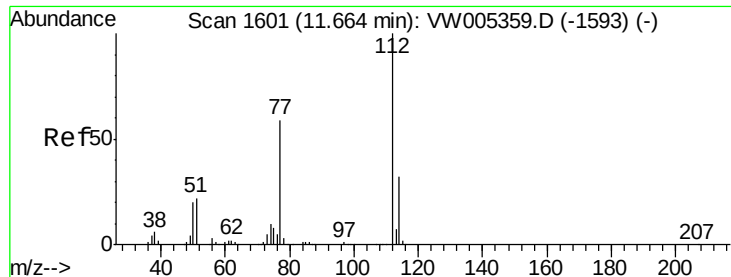
#49
 2-Hexanone
 Concen: 1.831 ug/L
 RT: 10.98 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: VW005368.D
 Acq: 13 Sep 2018 23:43

Tgt Ion:	43	Resp:	87
Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.6	62.4#
57	0.0	15.0	22.6#
100	0.0	8.6	12.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW
 Ion 57.00 (56.70 to 57.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#52

Chlorobenzene

Concen: 1.265 ug/L

RT: 11.67 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VW005368.D

Acq: 13 Sep 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

DB3N3

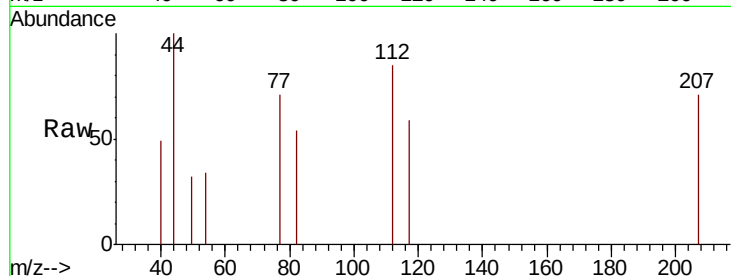
Tgt Ion: 112 Resp: 259

Ion Ratio Lower Upper

112 100

77 83.3 45.1 67.7#

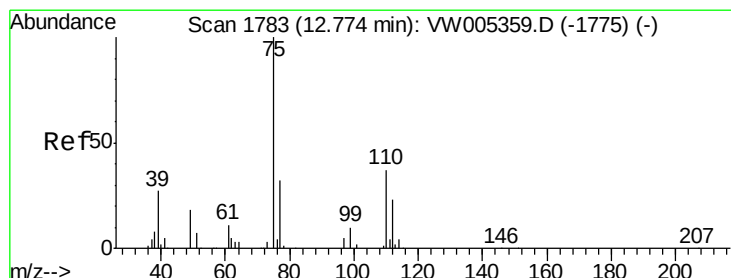
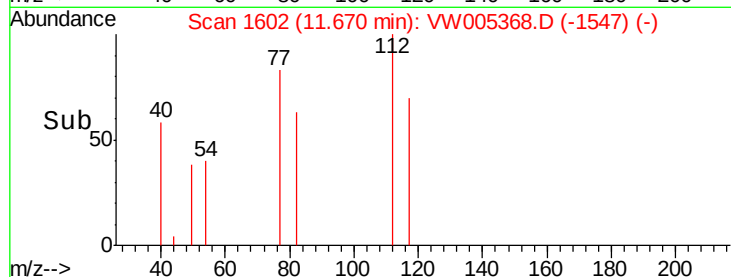
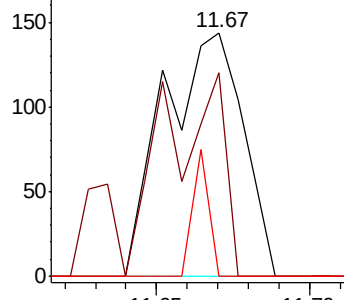
114 0.0 22.5 41.7#



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: 0.738 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW005368.D

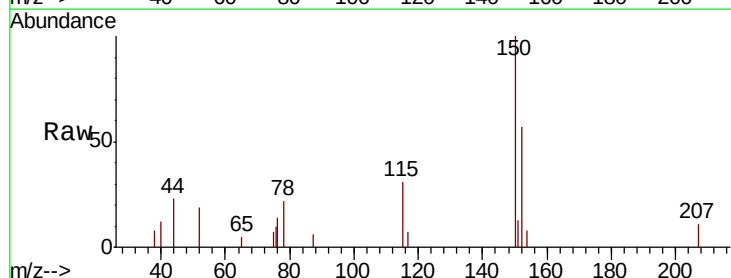
Acq: 13 Sep 2018 23:43

Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

