

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006322.D
 Acq On : 24 Oct 2018 16:26
 Operator : SY/AP
 Sample : J5635-15
 Misc : 5.36G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40J8

Quant Time: Oct 25 07:37:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	318694	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	280451	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	113717	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	71462	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
7) Chloroethane-d5	2.90	69	70789	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.52%
10) 1,1-Dichloroethene-d2	4.01	63	115017	16.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.64%
20) 2-Butanone-d5	7.09	46	59620	50.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.08%
24) Chloroform-d	7.65	84	174519	25.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.12%
26) 1,2-Dichloroethane-d4	8.31	65	101905	26.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.72%
29) Benzene-d6	8.28	84	340002	26.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.80%
33) 1,2-Dichloropropane-d6	9.28	67	103530	26.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.76%
37) Toluene-d8	10.33	98	321407	25.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.96%
38) trans-1,3-Dichloropropene-	10.58	79	39956	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.60%
39) 2-Hexanone-d5	10.93	63	47548	51.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	97403	26.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	101589	26.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.24%

Target Compounds

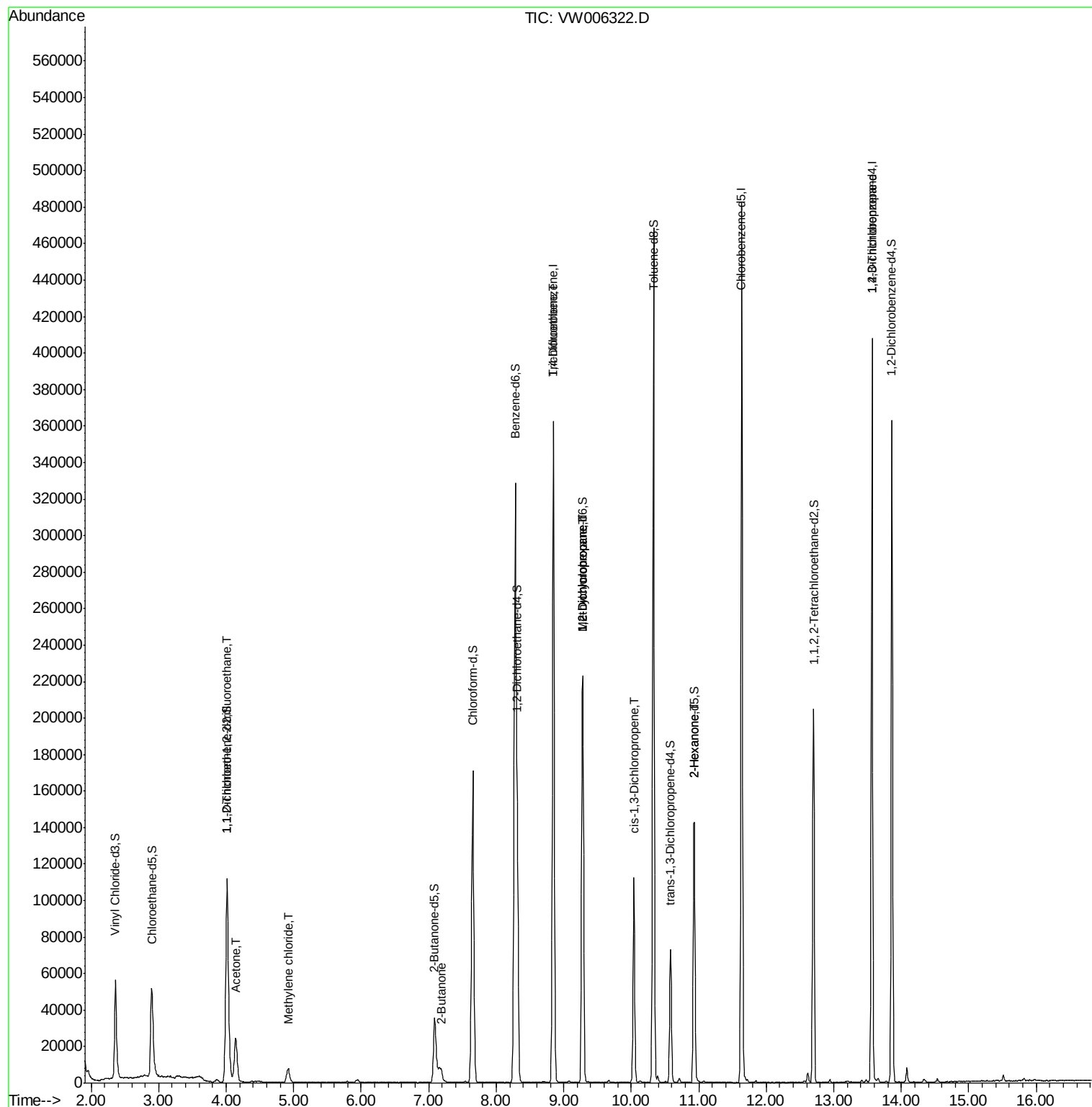
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1131	0.297	ug/L #	15
13) Acetone	4.14	43	44893	37.300	ug/L	99
16) Methylene chloride	4.92	84	6214	1.510	ug/L	85
21) 2-Butanone	7.18	43	9178	5.739	ug/L	100
35) Trichloroethene	8.85	95	9255	2.285	ug/L #	2
36) Methylcyclohexane	9.28	83	25070	3.378	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	11857	3.320	ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	3079	0.528	ug/L #	81
49) 2-Hexanone	10.93	43	6562	3.111	ug/L #	68
59) 1,2,3-Trichloropropane	13.56	75	11591	4.020	ug/L	91

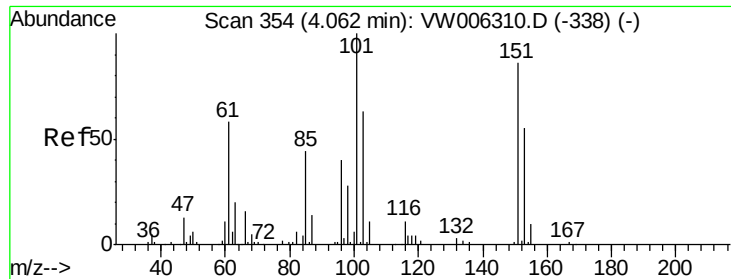
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration





#11

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

Concen: 0.297 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

Instrument :

MSVOA_W

ClientSampled :

A40J8

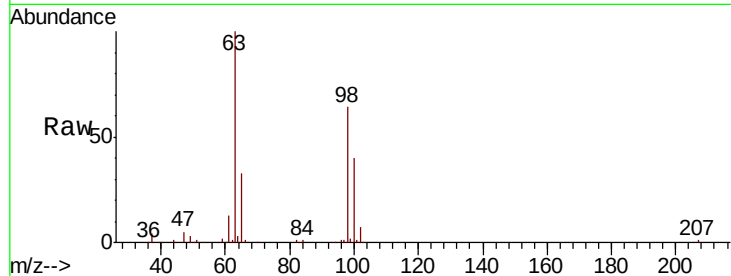
Tgt Ion:101 Resp: 1131

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

151 0.0 68.7 103.1#



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

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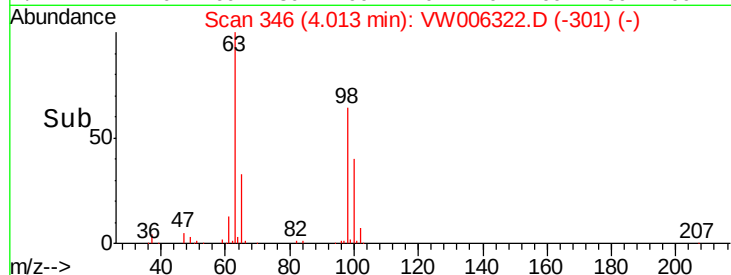
4.01

4.01

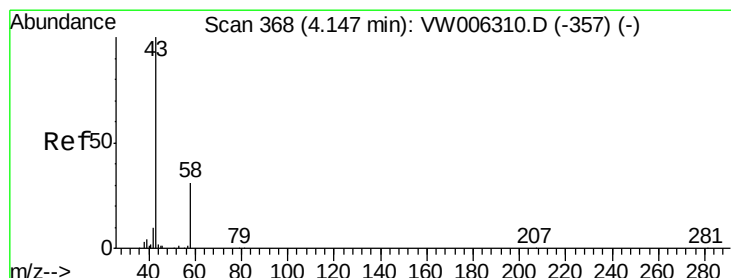
4.01

4.01

4.01



Time-->



#13

Acetone

Concen: 37.300 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006322.D

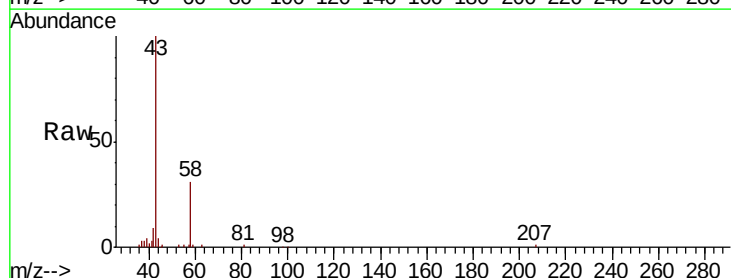
Acq: 24 Oct 2018 16:26

Tgt Ion: 43 Resp: 44893

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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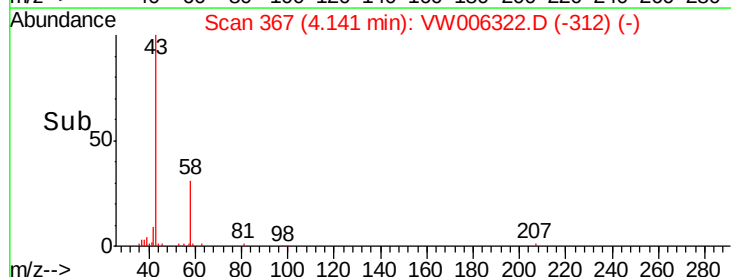
4.14

4.14

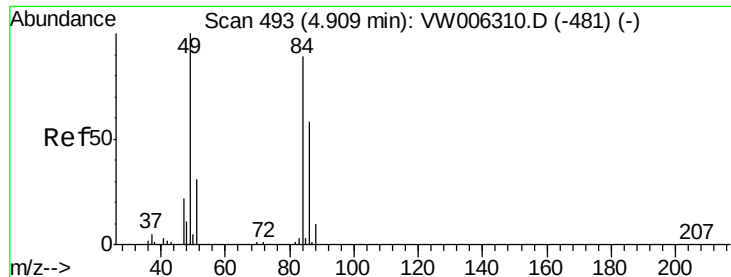
4.14

4.14

4.14



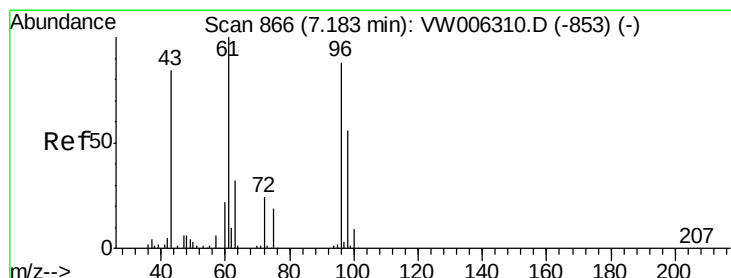
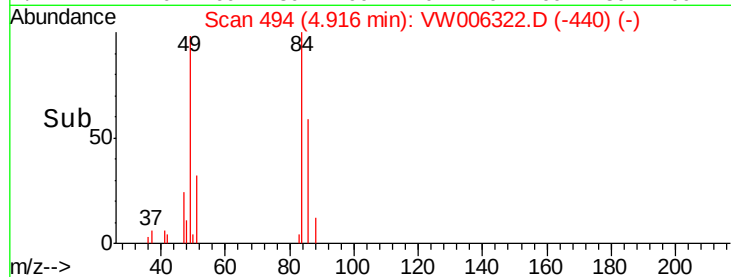
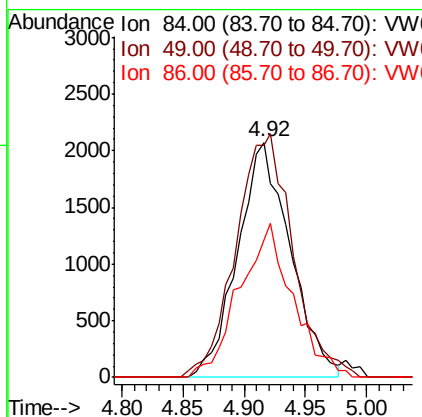
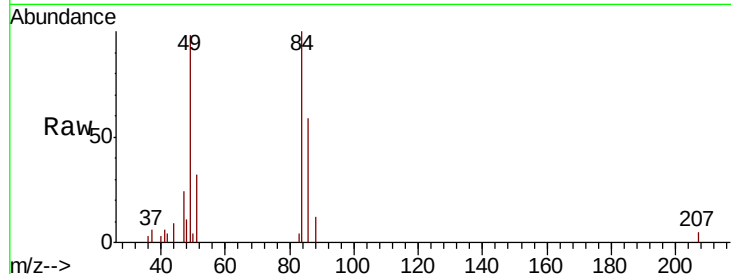
Time-->



#16
Methylene chloride
Concen: 1.510 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006322.D
Acq: 24 Oct 2018 16:26

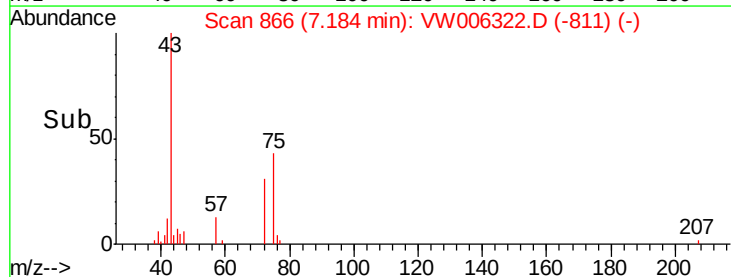
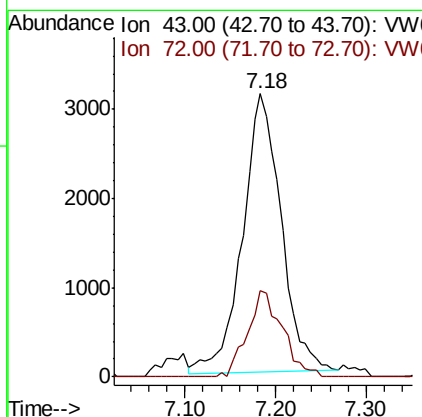
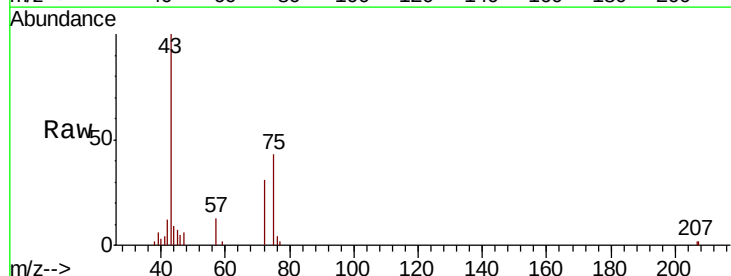
Instrument :
MSVOA_W
ClientSampled :
A40J8

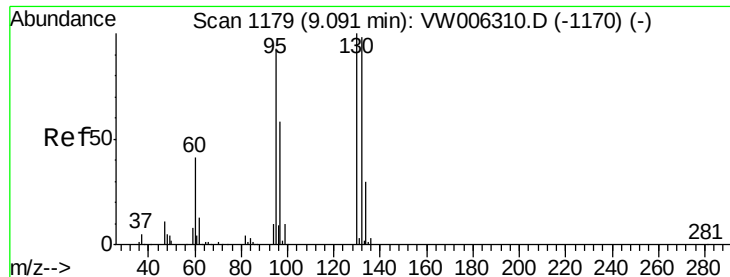
Tgt Ion: 84 Resp: 6214
Ion Ratio Lower Upper
84 100
49 98.5 83.5 155.1
86 58.7 44.9 83.5



#21
2-Butanone
Concen: 5.739 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW006322.D
Acq: 24 Oct 2018 16:26

Tgt Ion: 43 Resp: 9178
Ion Ratio Lower Upper
43 100
72 27.5 13.8 41.4





#35

Trichloroethene

Concen: 2.285 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

A40J8

Tgt Ion: 95 Resp: 9255

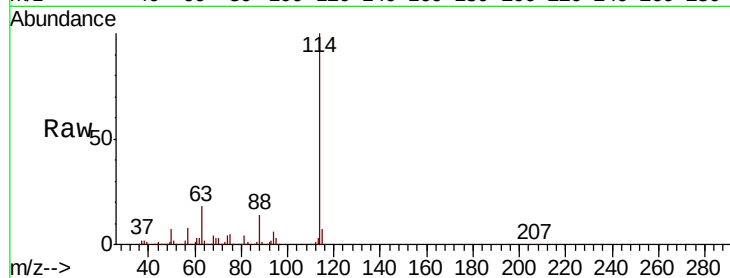
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 72.9 135.3#

130 0.0 75.8 140.8#

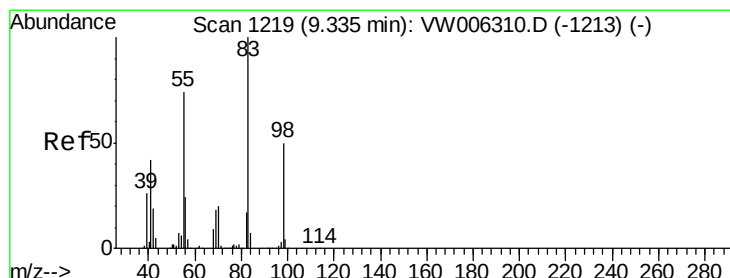
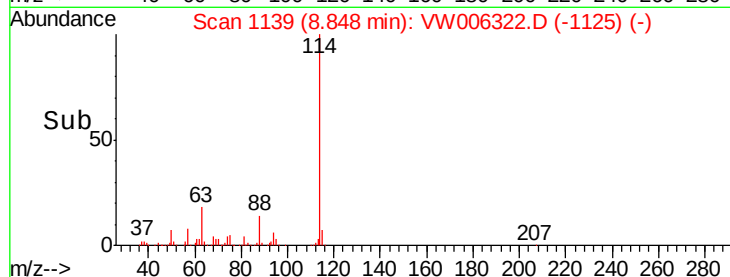
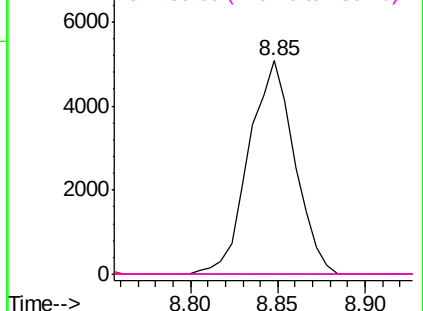


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.378 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

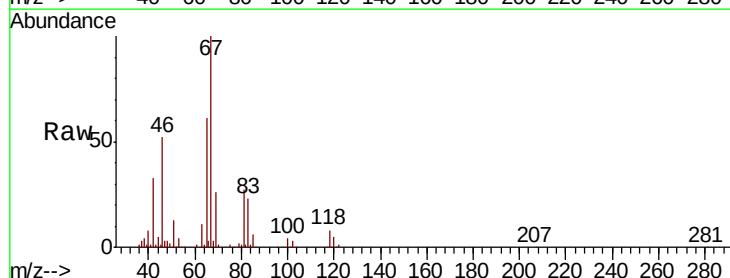
Tgt Ion: 83 Resp: 25070

Ion Ratio Lower Upper

83 100

55 0.5 57.1 85.7#

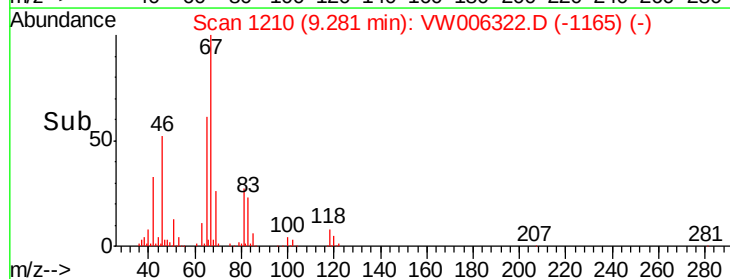
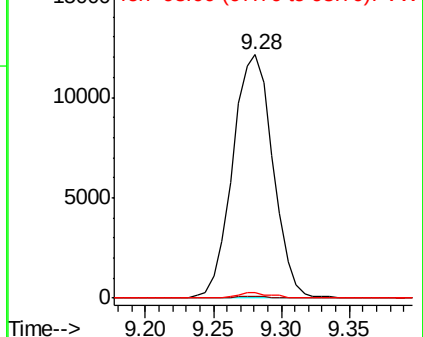
98 1.8 38.9 58.3#

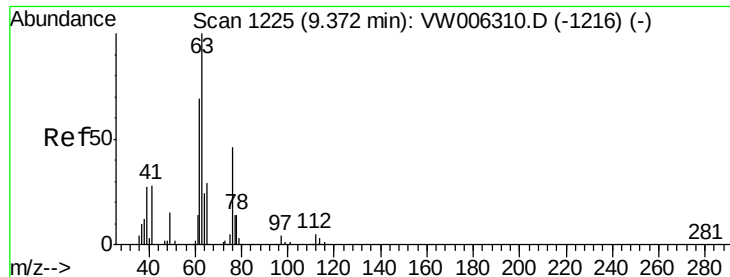


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.320 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

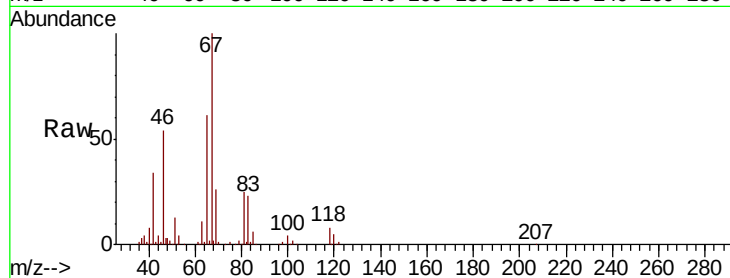
A40J8

Tgt Ion: 63 Resp: 11857

Ion Ratio Lower Upper

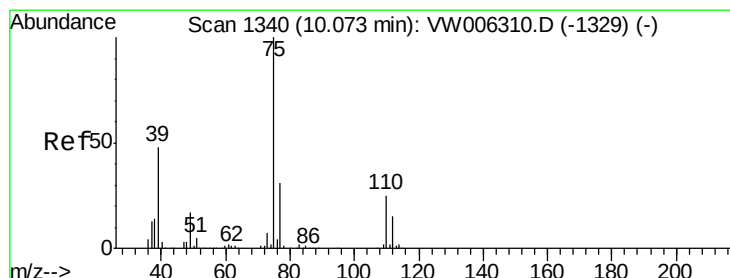
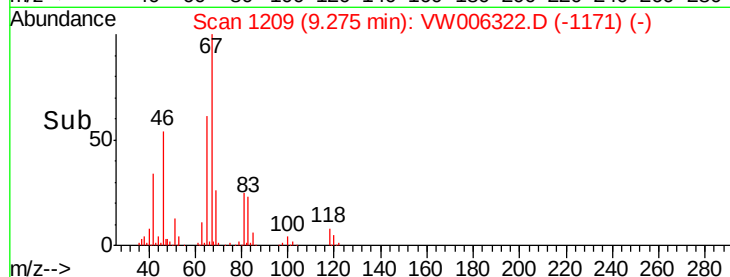
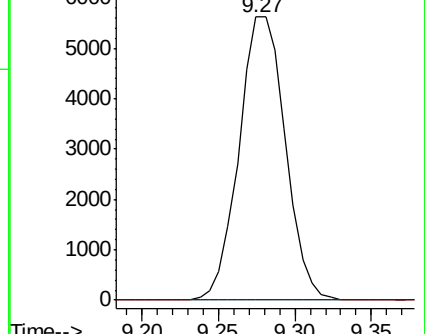
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.528 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW006322.D

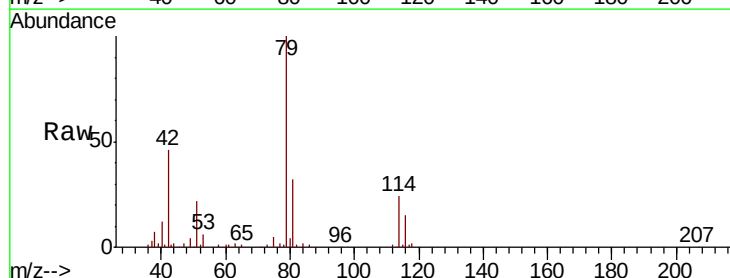
Acq: 24 Oct 2018 16:26

Tgt Ion: 75 Resp: 3079

Ion Ratio Lower Upper

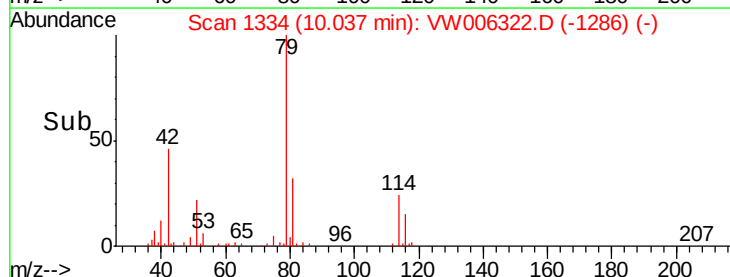
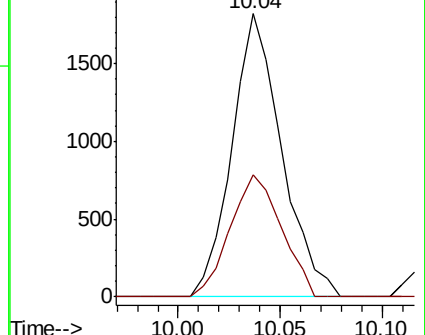
75 100

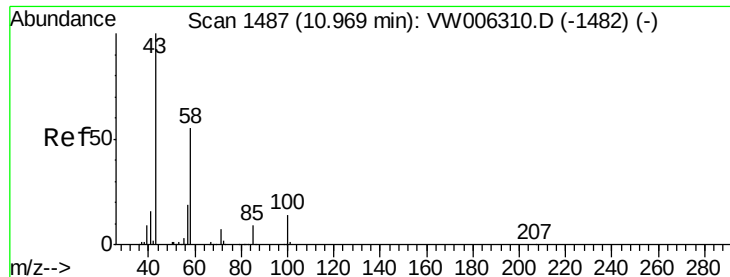
77 42.9 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 3.111 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

Instrument :

MSVOA_W

ClientSampleId :

A40J8

Tgt Ion: 43 Resp: 6562

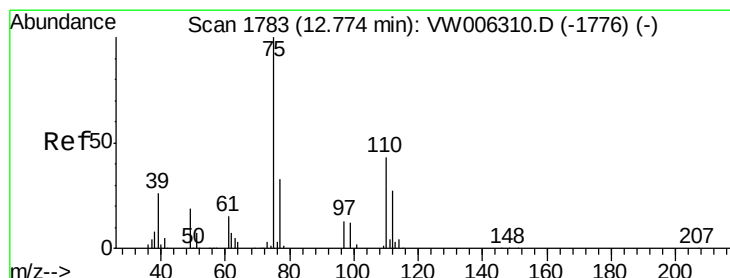
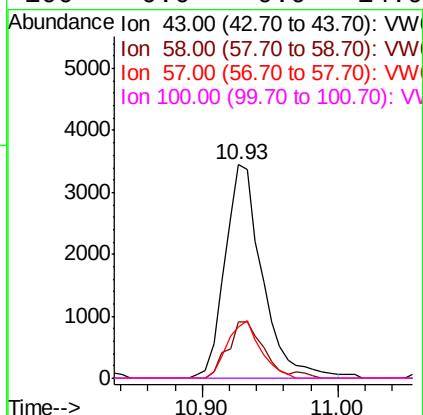
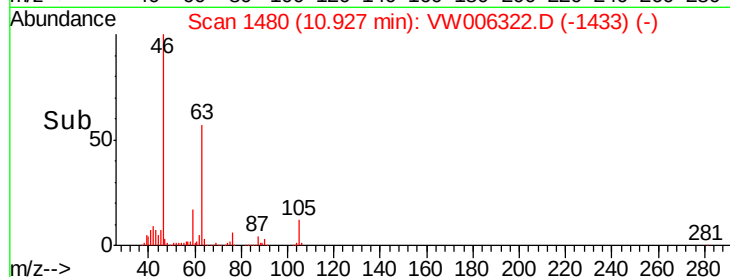
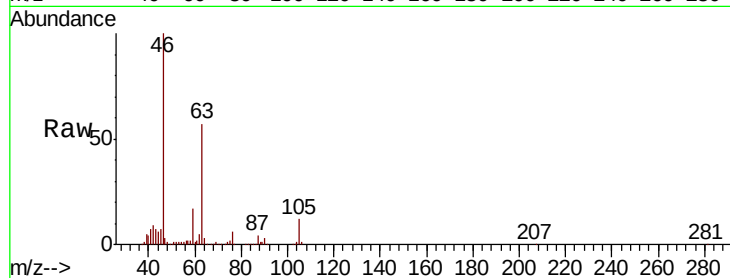
Ion Ratio Lower Upper

43 100

58 24.9 42.1 63.1#

57 24.1 15.1 22.7#

100 0.0 9.9 14.9#



#59

1,2,3-Trichloropropane

Concen: 4.020 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW006322.D

Acq: 24 Oct 2018 16:26

Tgt Ion: 75 Resp: 11591

Ion Ratio Lower Upper

75 100

77 37.7 25.9 38.9

