

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\
 Data File : VW006326.D
 Acq On : 24 Oct 2018 18:09
 Operator : SY/AP
 Sample : J5635-24
 Misc : 4.87G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G0

Quant Time: Oct 25 08:49:08 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	346538	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	280333	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	82560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	81541	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.44%
7) Chloroethane-d5	2.90	69	79360	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
10) 1,1-Dichloroethene-d2	4.01	63	122059	16.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.04%
20) 2-Butanone-d5	7.09	46	54711	42.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.46%
24) Chloroform-d	7.65	84	177522	23.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	8.31	65	100804	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.08%
29) Benzene-d6	8.28	84	354837	27.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.52%
33) 1,2-Dichloropropane-d6	9.28	67	102968	26.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.24%
37) Toluene-d8	10.33	98	322543	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.36%
38) trans-1,3-Dichloropropene-	10.58	79	39661	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.00%
39) 2-Hexanone-d5	10.93	63	44103	47.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79759	21.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	63353	22.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.56%

Target Compounds

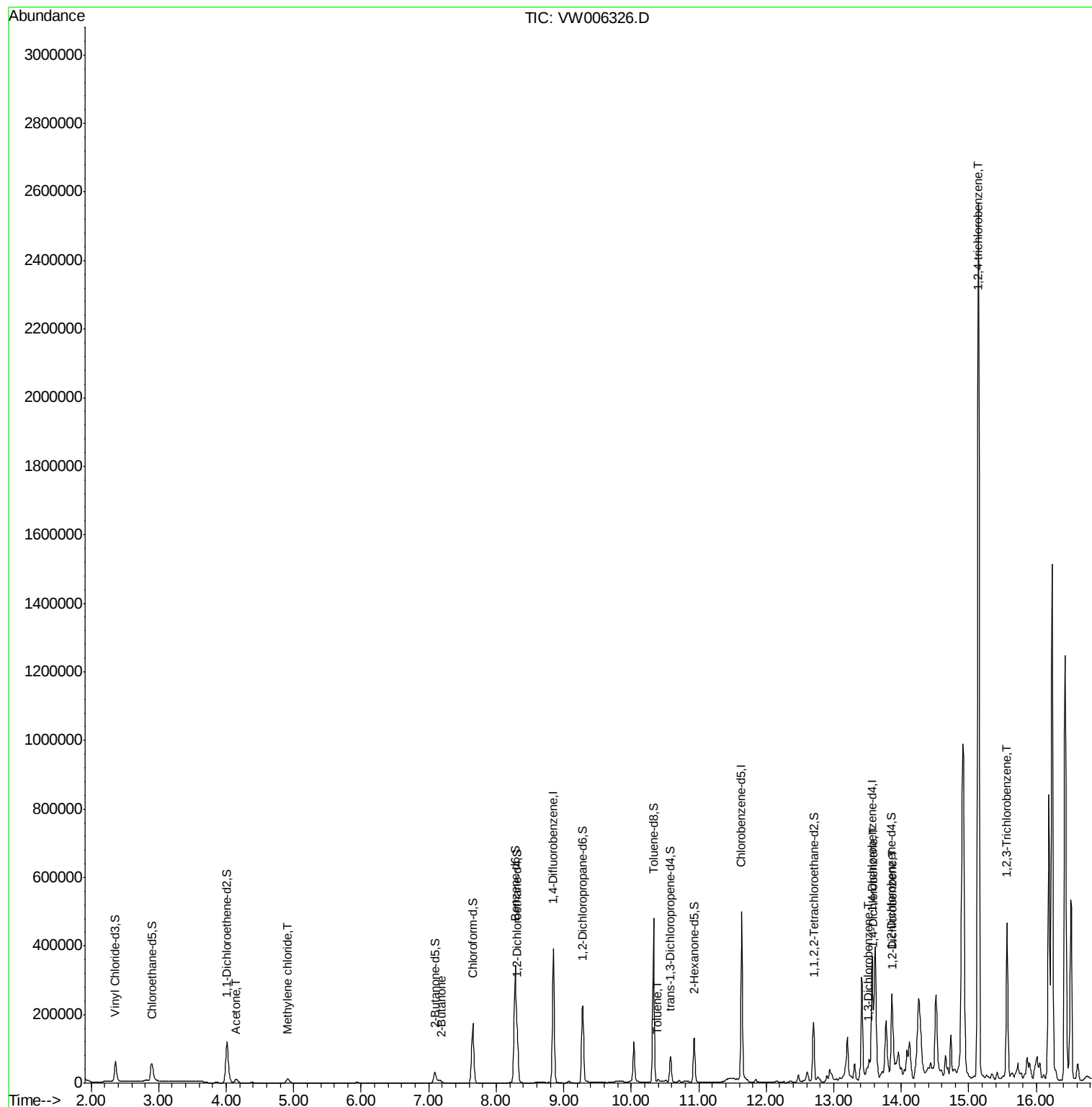
					Ovalue
13) Acetone	4.14	43	20879	15.954	ug/L 100
16) Methylene chloride	4.91	84	9894	2.211	ug/L 98
21) 2-Butanone	7.19	43	3646	2.097	ug/L 89
44) Toluene	10.39	91	5700	0.353	ug/L 99
63) 1,3-Dichlorobenzene	13.51	146	7030	1.387	ug/L # 85
64) 1,4-Dichlorobenzene	13.58	146	51664	10.119	ug/L 100
65) 1,2-Dichlorobenzene	13.88	146	3464	0.743	ug/L # 80
68) 1,2,4-trichlorobenzene	15.14	180	913115	262.025	ug/L 100
70) 1,2,3-Trichlorobenzene	15.57	180	160711	51.333	ug/L 99

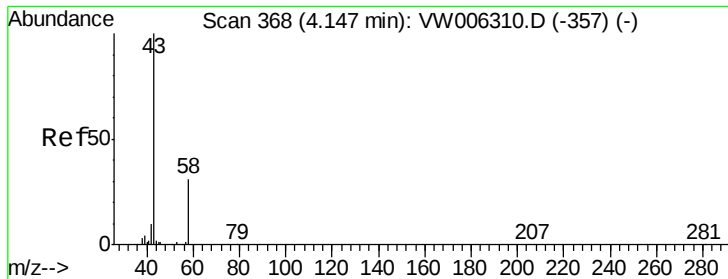
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration





#13

Acetone

Concen: 15.954 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

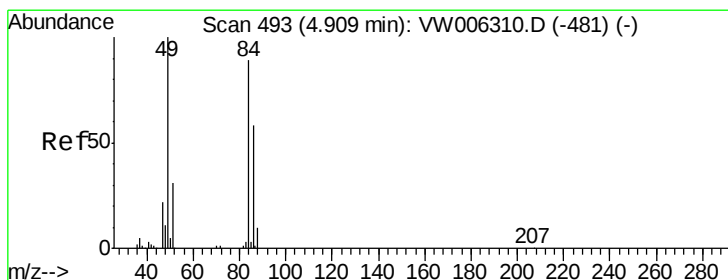
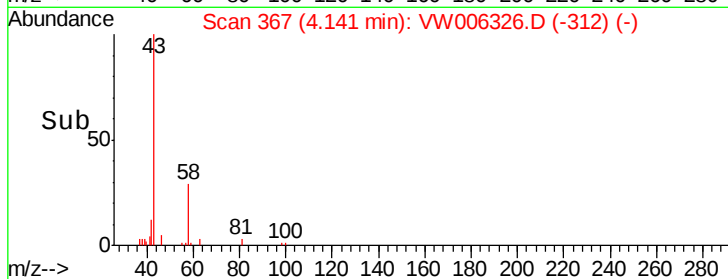
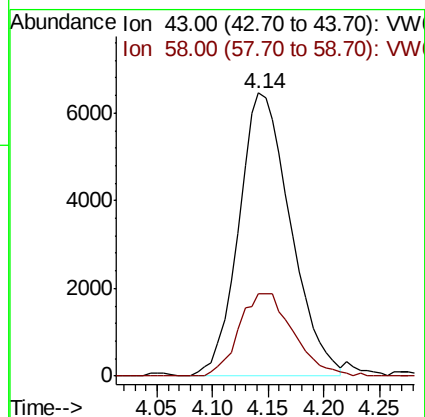
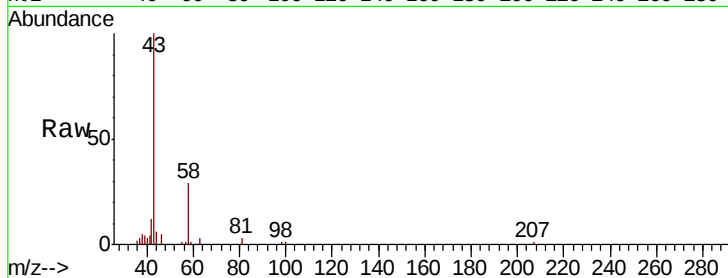
A40G0

Tot Ion: 43 Resp: 20879

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.2



#16

Methylene chloride

Concen: 2.211 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

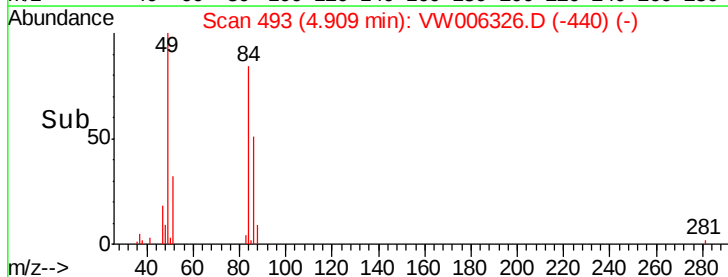
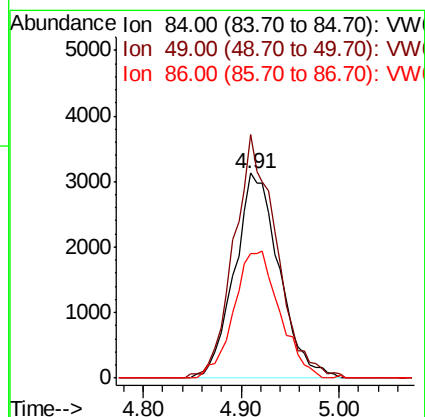
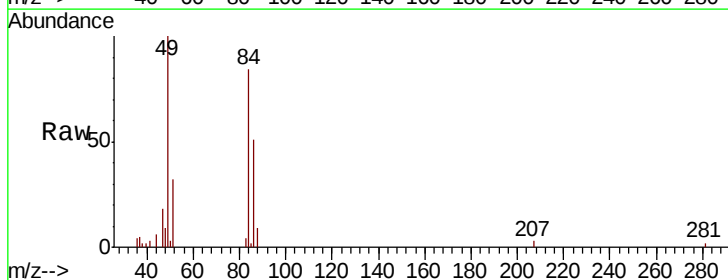
Tgt Ion: 84 Resp: 9894

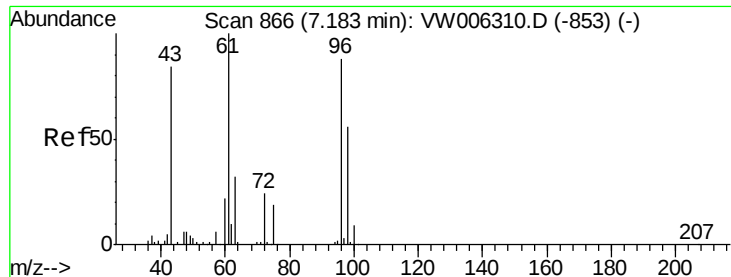
Ion Ratio Lower Upper

84 100

49 118.8 83.5 155.1

86 60.6 44.9 83.5





#21

2-Butanone

Concen: 2.097 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

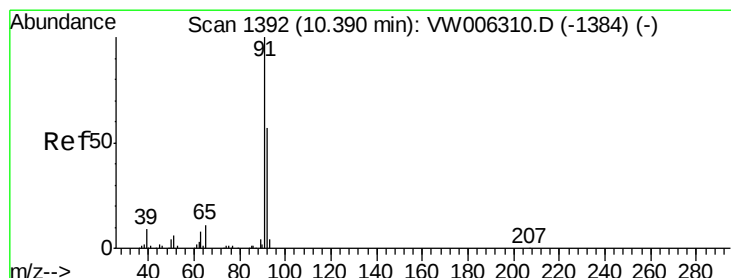
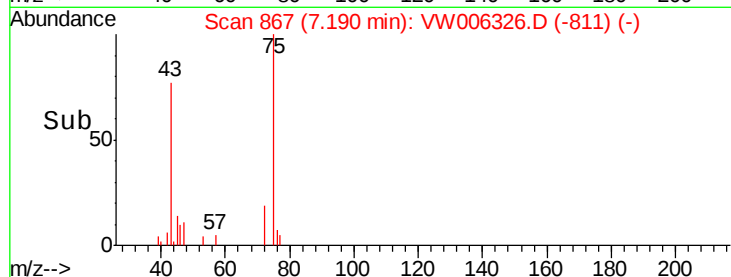
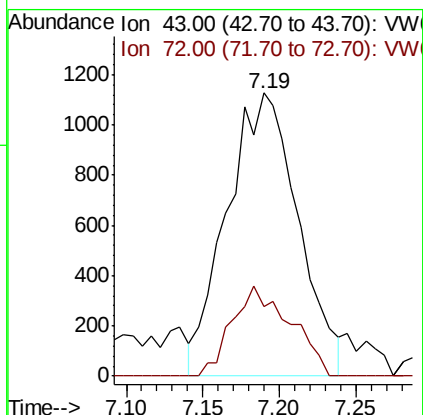
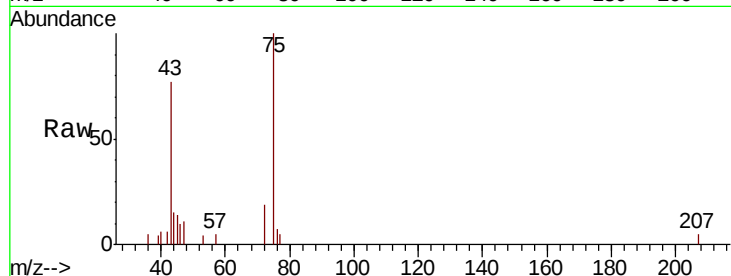
A40G0

Tot Ion: 43 Resp: 3646

Ion Ratio Lower Upper

43 100

72 21.8 13.8 41.4



#44

Toluene

Concen: 0.353 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006326.D

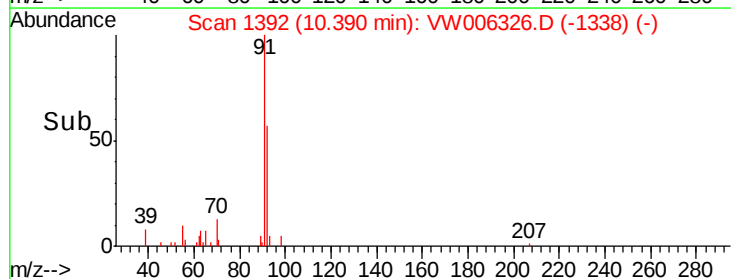
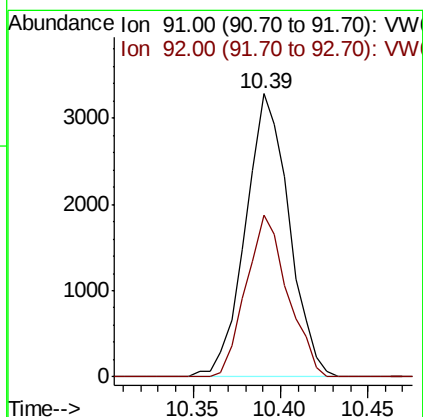
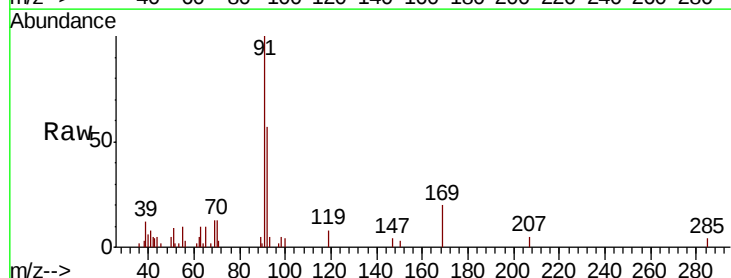
Acq: 24 Oct 2018 18:09

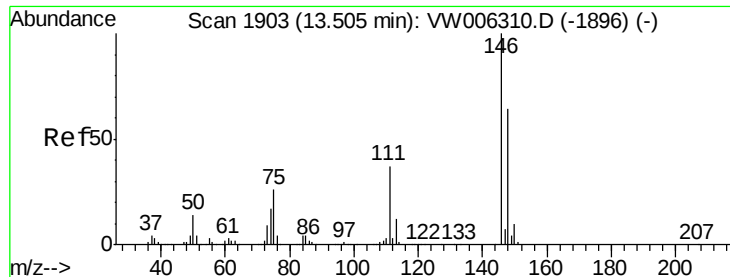
Tgt Ion: 91 Resp: 5700

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0





#63

1,3-Dichlorobenzene

Concen: 1.387 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

Instrument :

MSVOA_W

ClientSampleId :

A40G0

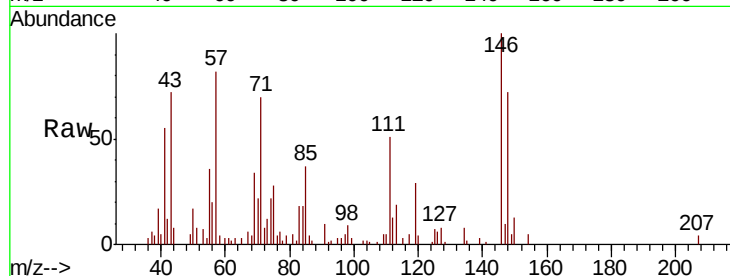
Tot Ion:146 Resp: 7030

Ion Ratio Lower Upper

146 100

111 50.5 26.3 48.9#

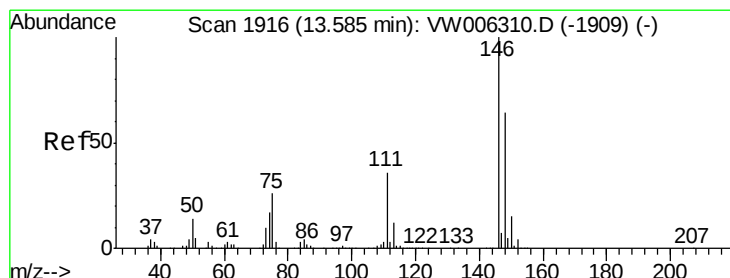
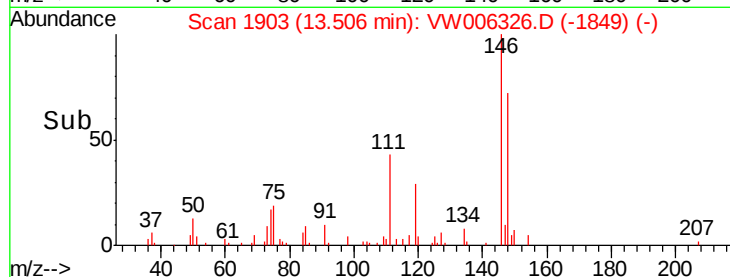
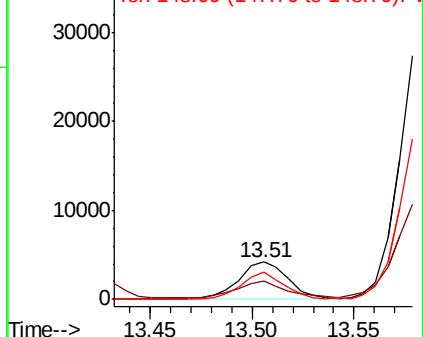
148 72.3 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 10.119 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

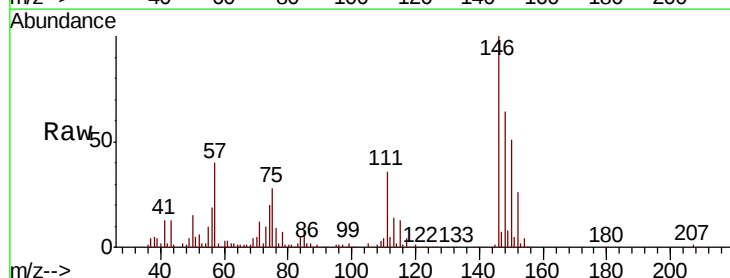
Tgt Ion:146 Resp: 51664

Ion Ratio Lower Upper

146 100

111 36.0 24.7 45.9

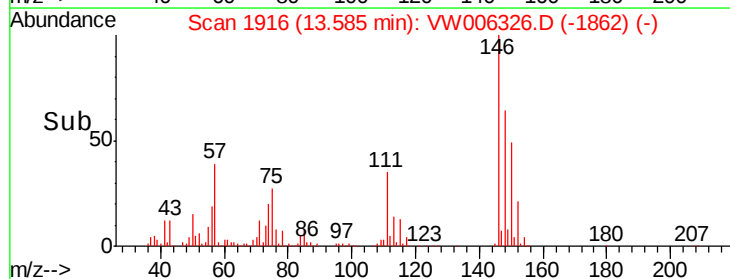
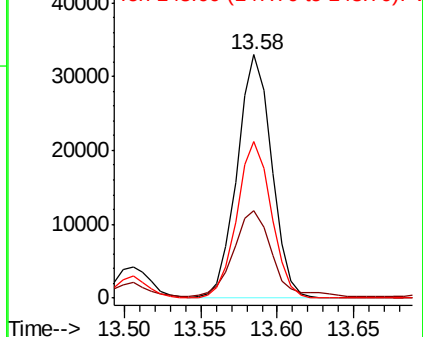
148 64.2 44.9 83.5

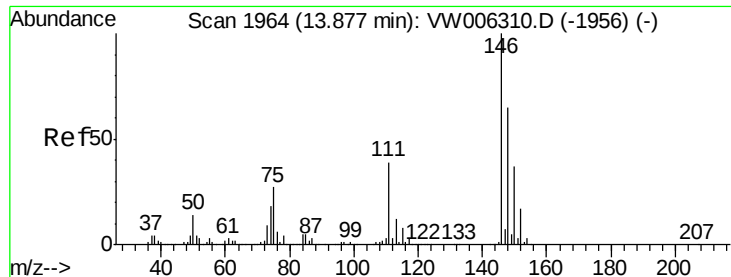


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.743 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

Instrument :

MSVOA_W

ClientSampled :

A40G0

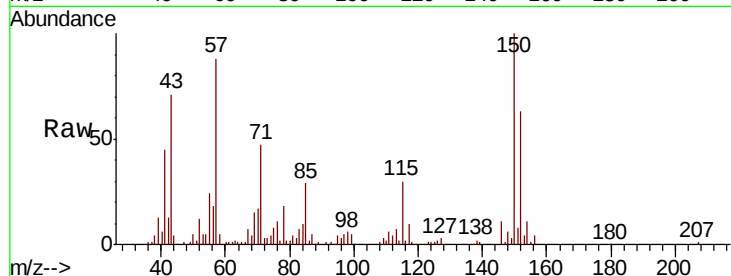
Tot Ion:146 Resp: 3464

Ion Ratio Lower Upper

146 100

111 59.4 31.1 46.7#

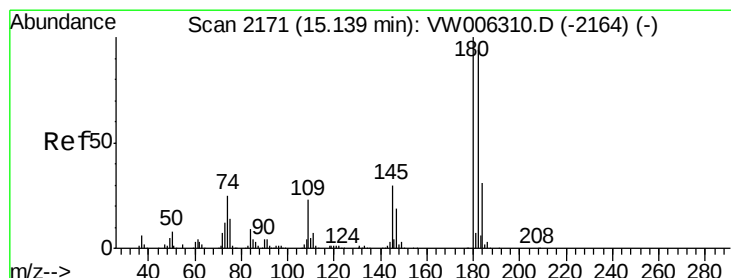
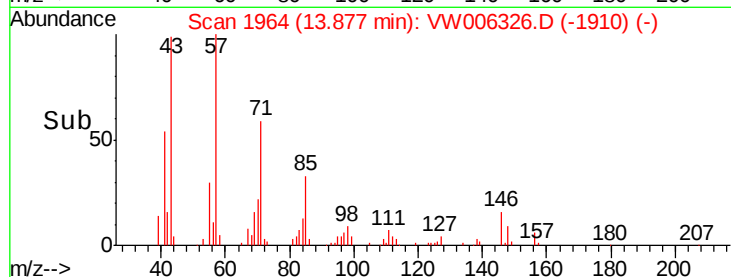
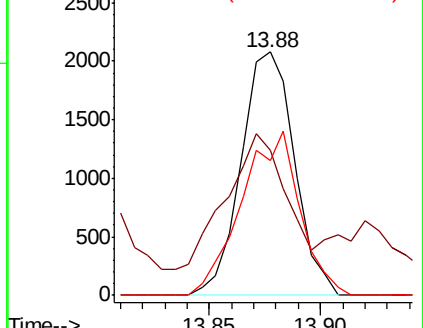
148 55.3 51.2 76.8



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



#68

1,2,4-trichlorobenzene

Concen: 262.025 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006326.D

Acq: 24 Oct 2018 18:09

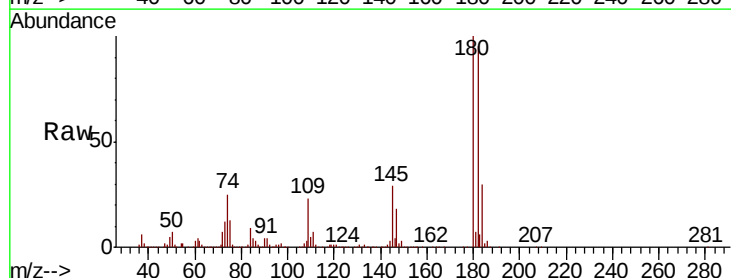
Tgt Ion:180 Resp: 913115

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

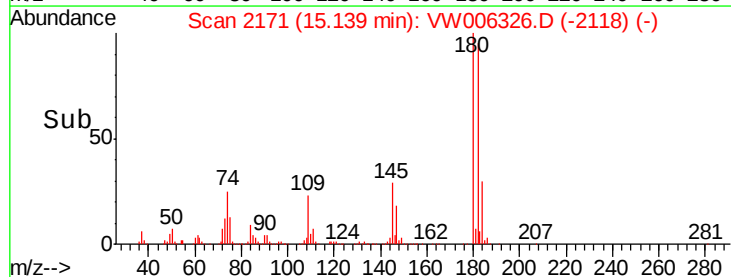
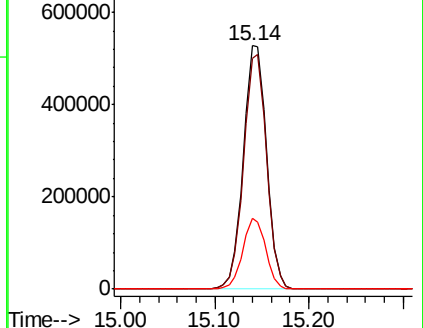
145 28.5 23.0 34.6

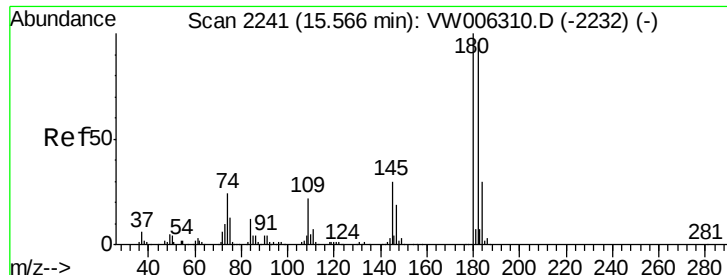


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 51.333 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW006326.D
 Acq: 24 Oct 2018 18:09

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G0

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.6	75.5	113.3	
145	30.3	24.5	36.7	

