

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW102418\
 Data File : VW006324.D
 Acq On : 24 Oct 2018 17:17
 Operator : SY/AP
 Sample : J5635-22
 Misc : 5.13G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40F8

Quant Time: Nov 13 12:01:52 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	178069	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	145311	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	41296	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	41617	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	39556	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.52%
10) 1,1-Dichloroethene-d2	4.01	63	61650	15.99	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.96%
20) 2-Butanone-d5	7.08	46	30742	46.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.36%
24) Chloroform-d	7.65	84	92026	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	8.31	65	53882	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.00%
29) Benzene-d6	8.28	84	184110	27.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.64%
33) 1,2-Dichloropropane-d6	9.28	67	54918	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	10.33	98	168782	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.32%
38) trans-1,3-Dichloropropene-	10.59	79	20067	20.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.96%
39) 2-Hexanone-d5	10.93	63	23243	48.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	41682	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	31686	22.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.56%

Target Compounds

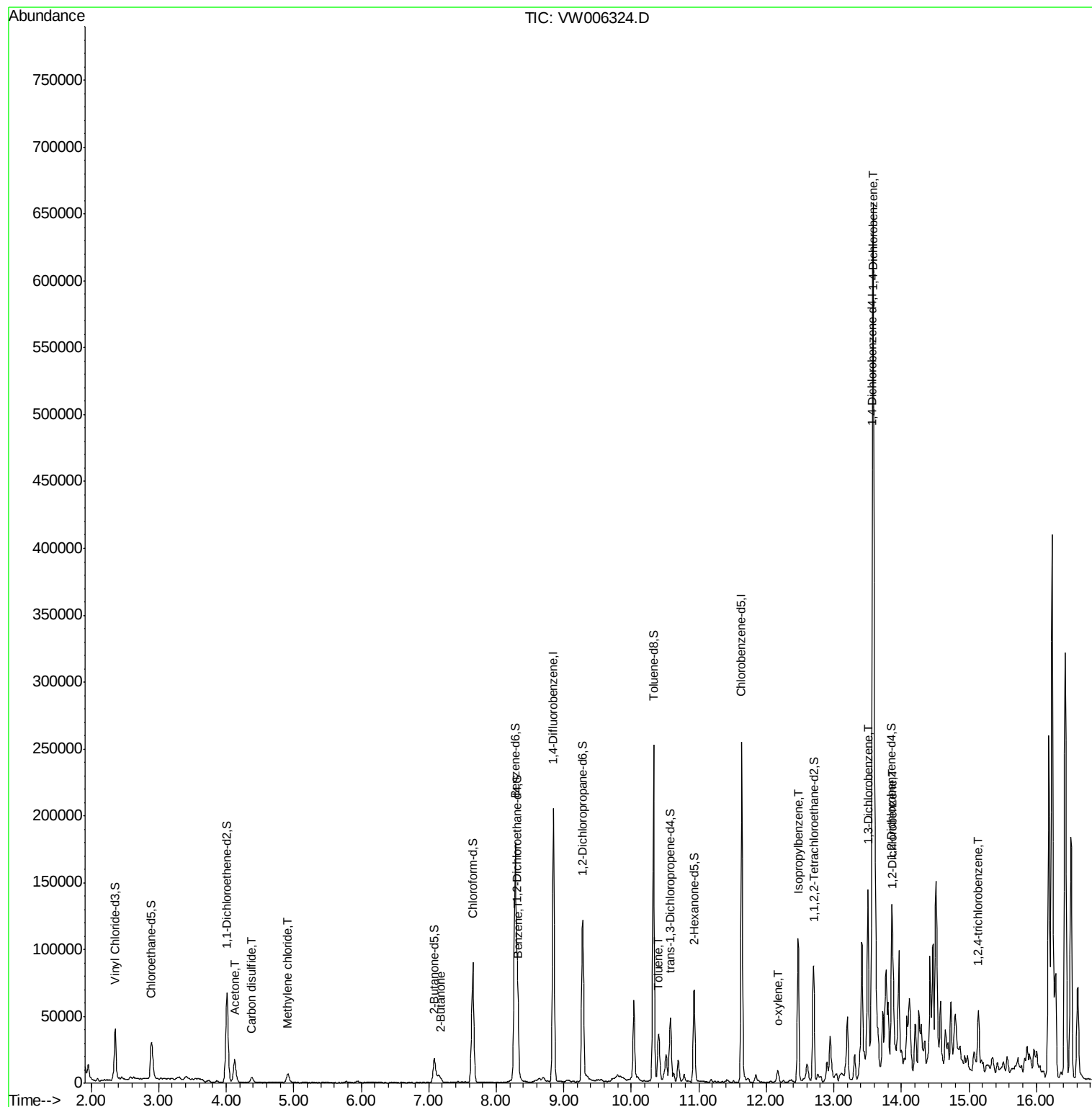
					Ovalue
13) Acetone	4.12	43	28281	42.055	ug/L 100
14) Carbon disulfide	4.37	76	7110	1.064	ug/L 95
16) Methylene chloride	4.91	84	5085	2.212	ug/L 96
21) 2-Butanone	7.18	43	3780	4.230	ug/L 96
34) Benzene	8.33	78	12439	1.668	ug/L 100
44) Toluene	10.40	91	6531	0.780	ug/L 95
55) o-xylene	12.17	106	1967	0.539	ug/L 96
57) Isopropylbenzene	12.47	105	56773	5.591	ug/L # 96
63) 1,3-Dichlorobenzene	13.51	146	41018	16.174	ug/L 96
64) 1,4-Dichlorobenzene	13.58	146	257253	100.734	ug/L 99
65) 1,2-Dichlorobenzene	13.88	146	6120	2.623	ug/L 93
68) 1,2,4-trichlorobenzene	15.15	180	14661	8.411	ug/L # 94

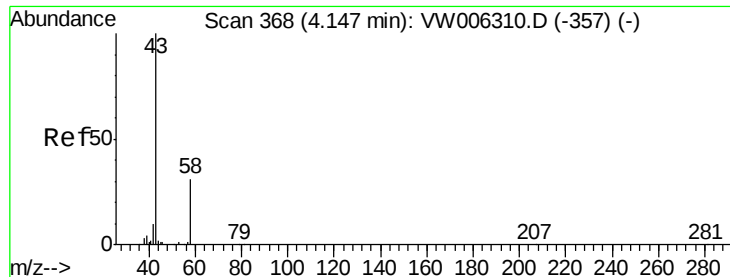
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 42.055 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

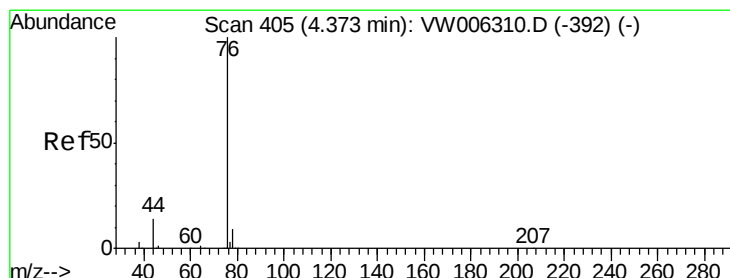
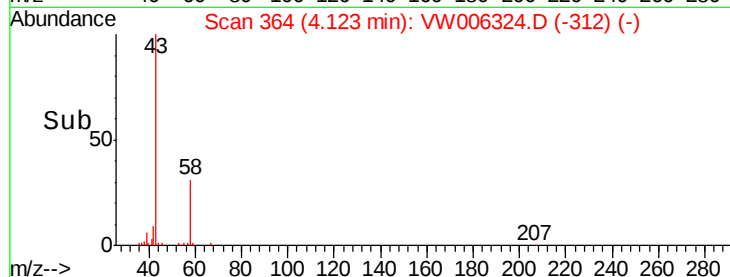
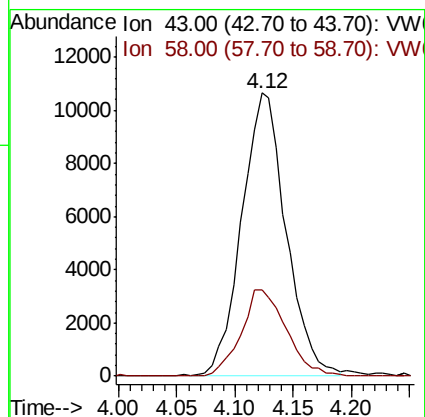
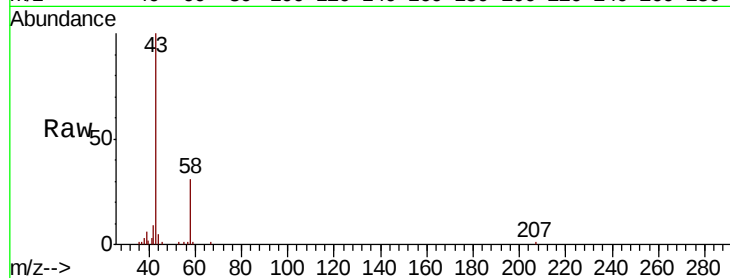
A40F8

Tot Ion: 43 Resp: 28281

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.2



#14

Carbon disulfide

Concen: 1.064 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006324.D

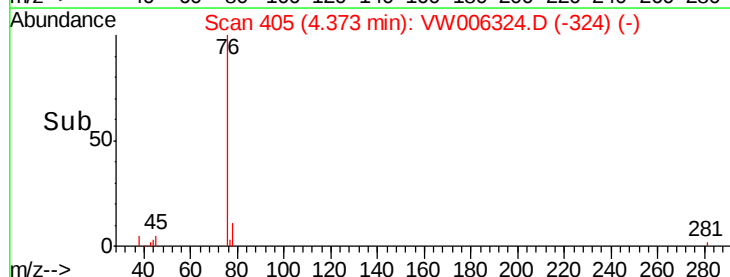
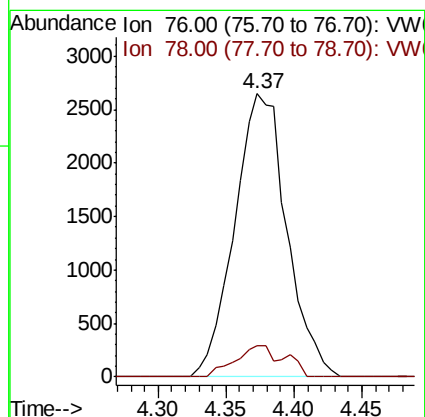
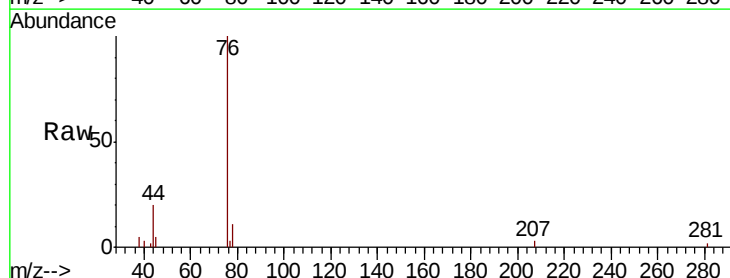
Acq: 24 Oct 2018 17:17

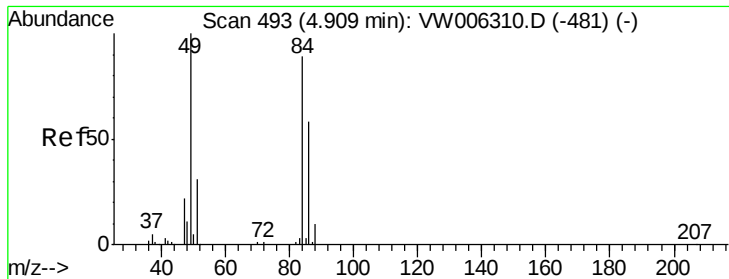
Tgt Ion: 76 Resp: 7110

Ion Ratio Lower Upper

76 100

78 11.2 7.6 11.4

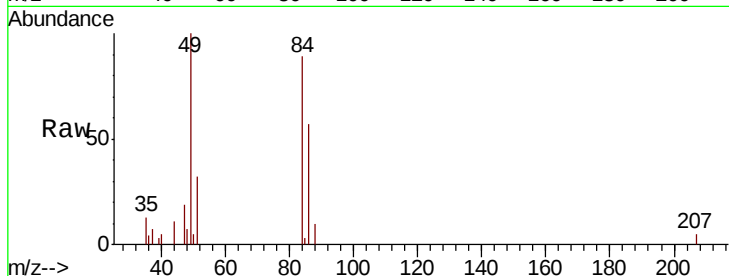




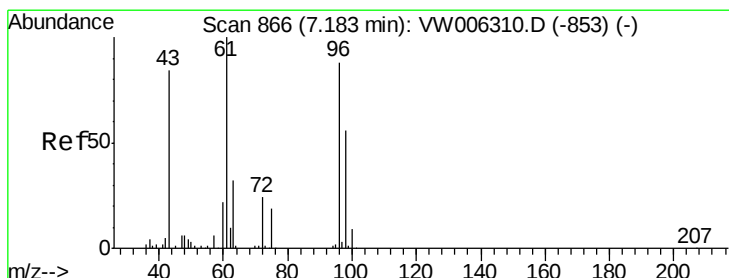
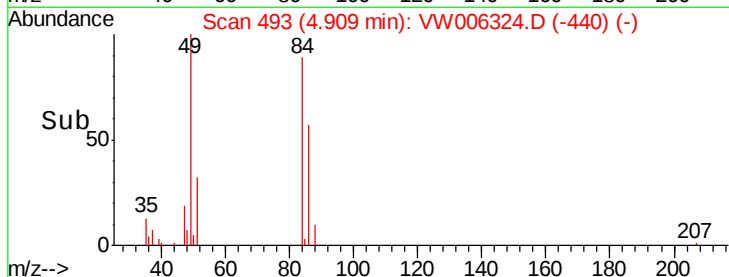
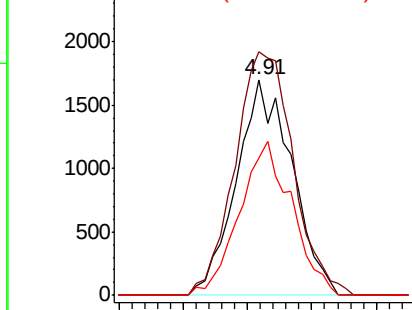
#16
Methvlene chloride
Concen: 2.212 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006324.D
Acq: 24 Oct 2018 17:17

Instrument :
MSVOA_W
ClientSampled :
A40F8

Tot Ion: 84 Resp: 5085
Ion Ratio Lower Upper
84 100
49 112.8 83.5 155.1
86 63.7 44.9 83.5

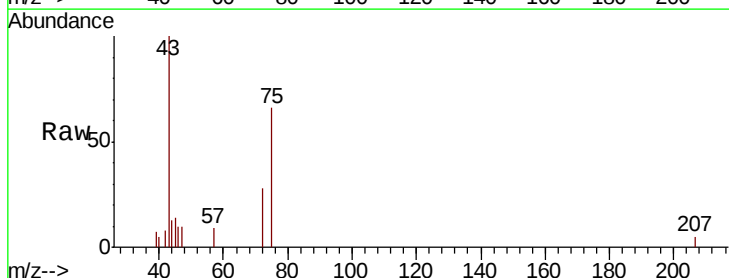


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

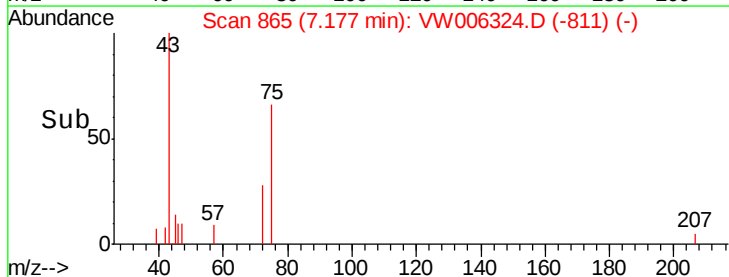
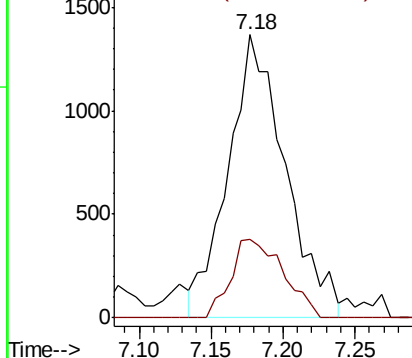


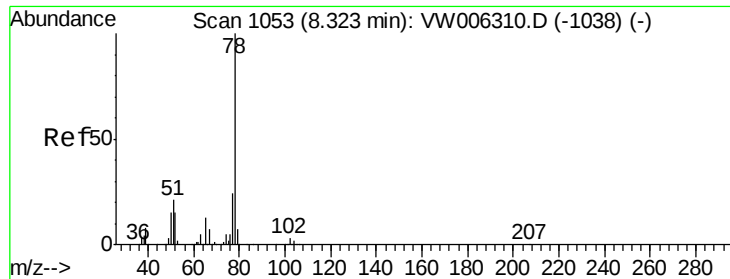
#21
2-Butanone
Concen: 4.230 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW006324.D
Acq: 24 Oct 2018 17:17

Tgt Ion: 43 Resp: 3780
Ion Ratio Lower Upper
43 100
72 25.4 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 1.668 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

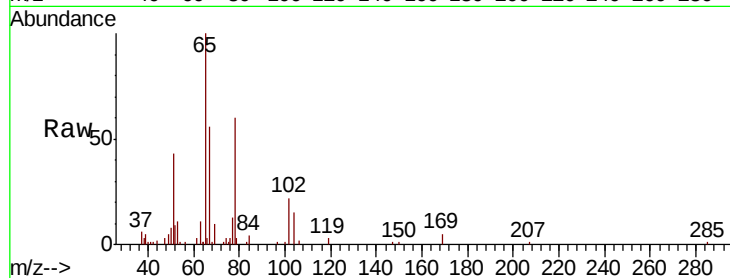
Instrument :

MSVOA_W

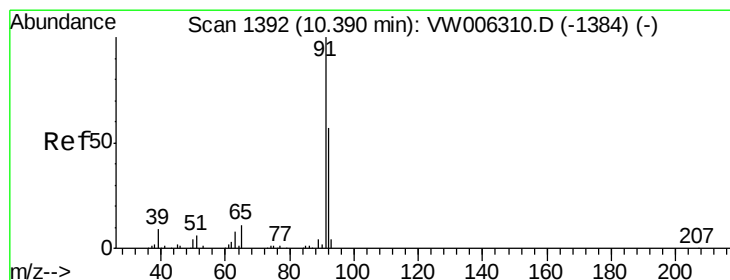
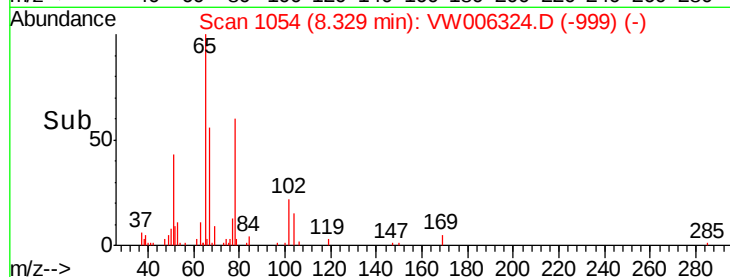
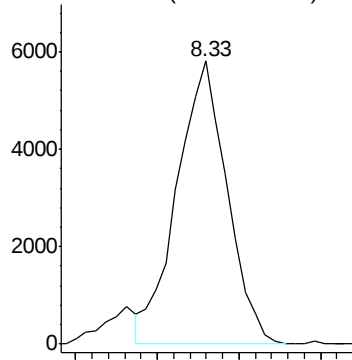
ClientSampleId :

A40F8

Tgt Ion: 78 Resp: 12439



Abundance Ion 78.00 (77.70 to 78.70): VW



#44

Toluene

Concen: 0.780 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW006324.D

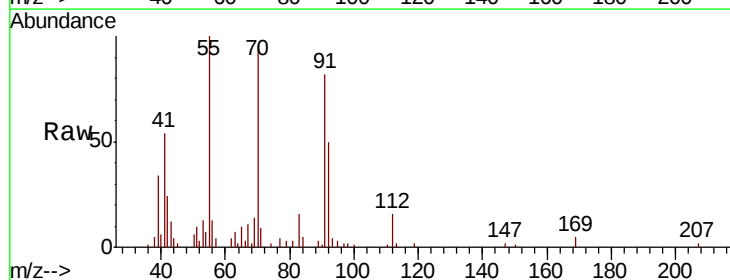
Acq: 24 Oct 2018 17:17

Tgt Ion: 91 Resp: 6531

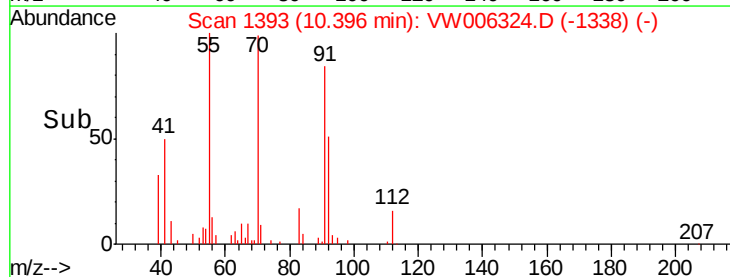
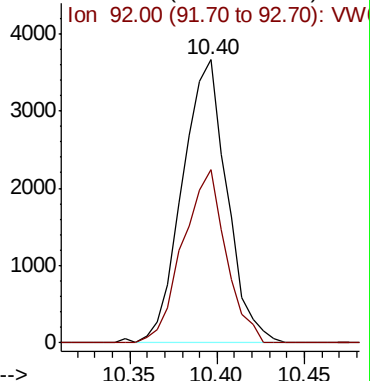
Ion Ratio Lower Upper

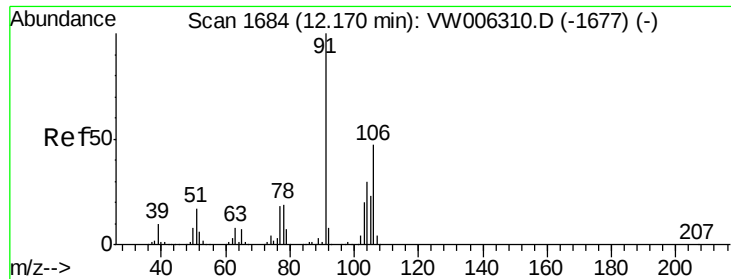
91 100

92 61.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VW

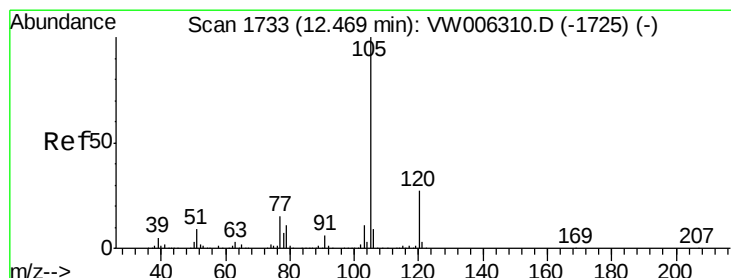
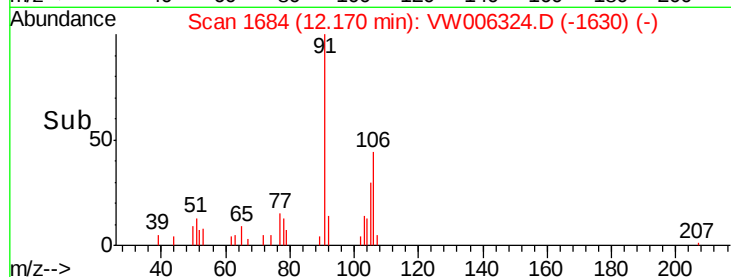
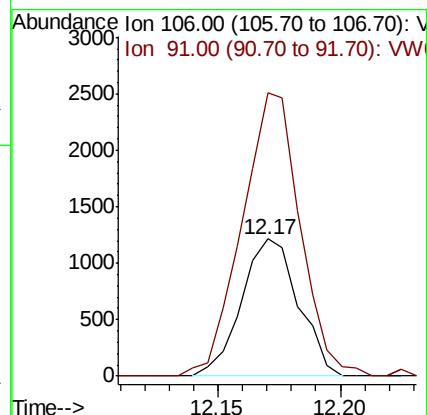
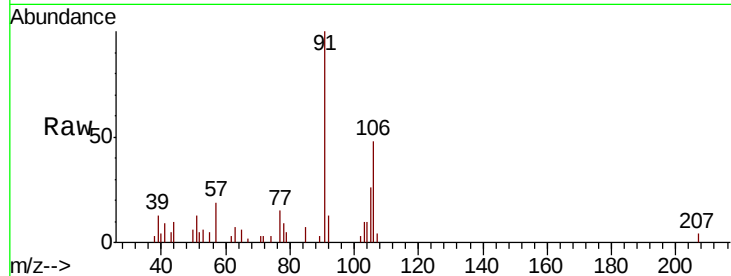




#55
o-xylene
Concen: 0.539 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006324.D
Acq: 24 Oct 2018 17:17

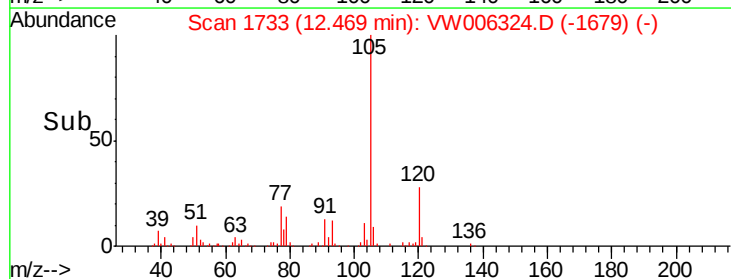
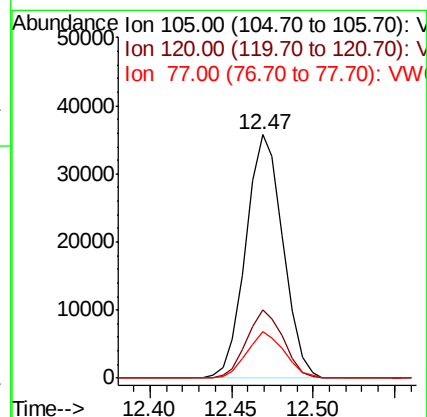
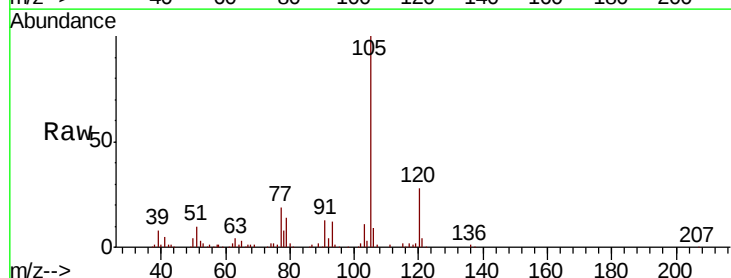
Instrument :
MSVOA_W
ClientSampled :
A40F8

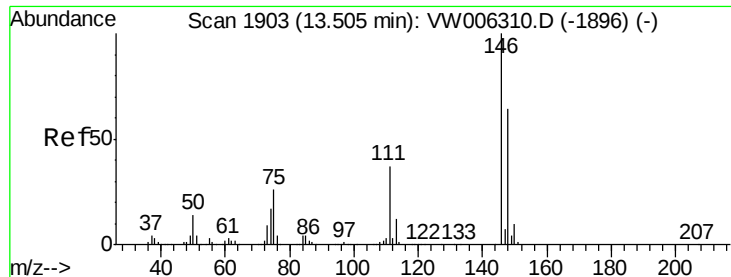
Tot Ion:106 Resp: 1967
Ion Ratio Lower Upper
106 100
91 206.3 148.7 276.1



#57
Isopropylbenzene
Concen: 5.591 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006324.D
Acq: 24 Oct 2018 17:17

Tgt Ion:105 Resp: 56773
Ion Ratio Lower Upper
105 100
120 27.5 21.8 32.6
77 19.3 12.2 18.2#





#63

1,3-Dichlorobenzene

Concen: 16.174 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampleId :

A40F8

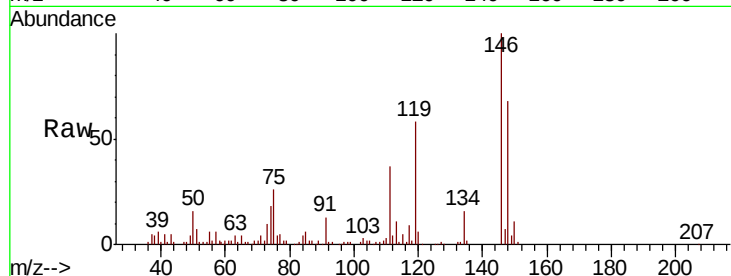
Tot Ion:146 Resp: 41018

Ion Ratio Lower Upper

146 100

111 36.8 26.3 48.9

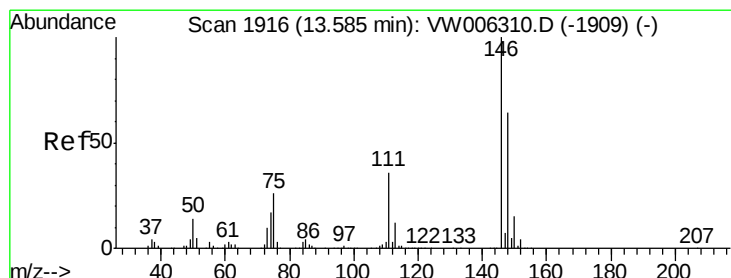
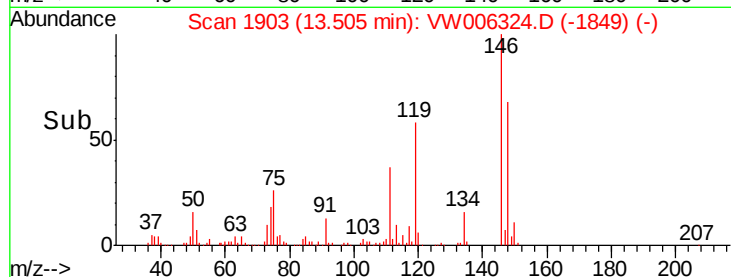
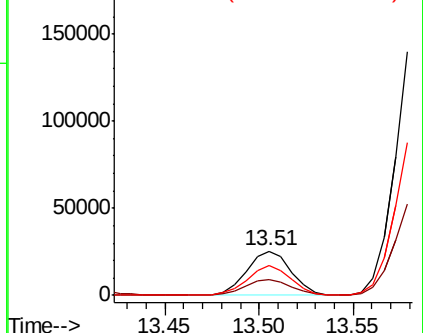
148 68.4 44.7 82.9



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: 100.734 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

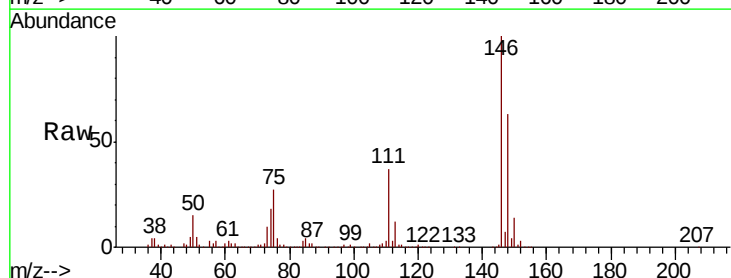
Tgt Ion:146 Resp: 257253

Ion Ratio Lower Upper

146 100

111 36.6 24.7 45.9

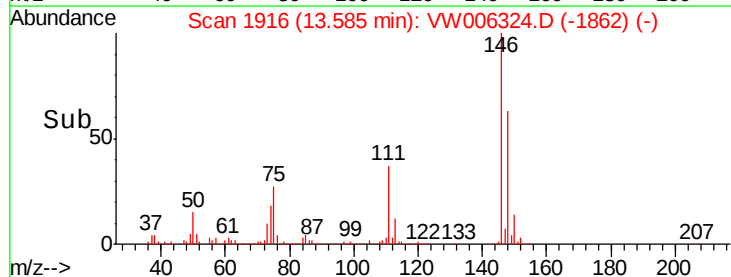
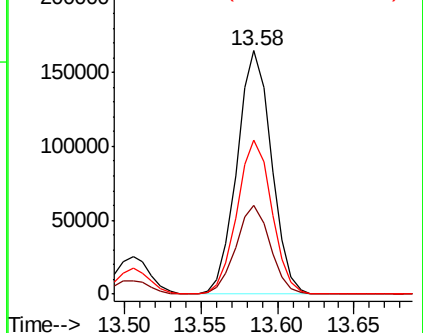
148 63.5 44.9 83.5

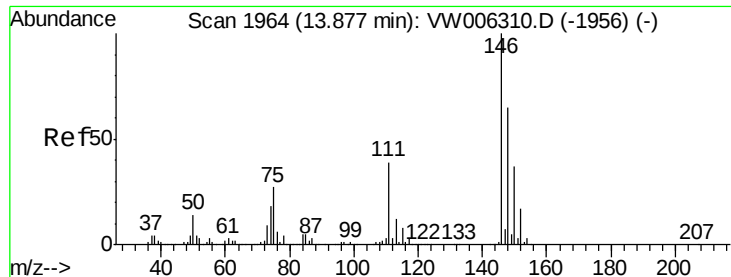


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.623 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

Instrument :

MSVOA_W

ClientSampled :

A40F8

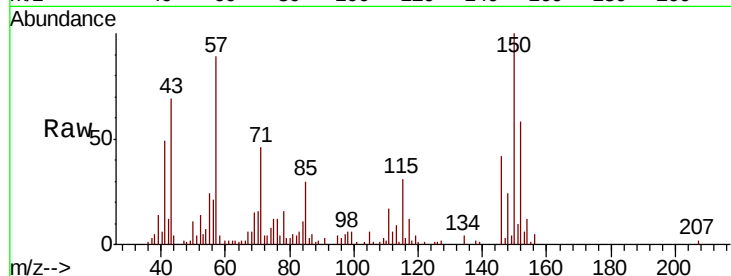
Tot Ion:146 Resp: 6120

Ion Ratio Lower Upper

146 100

111 41.7 31.1 46.7

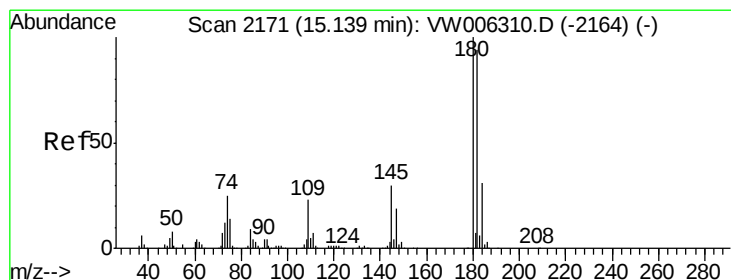
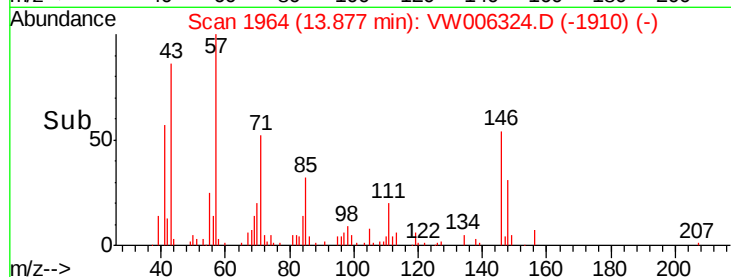
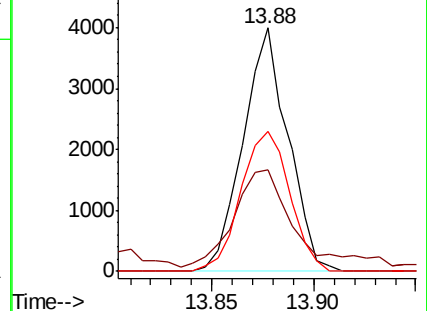
148 57.3 51.2 76.8



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: 8.411 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. -0.00 min

Lab File: VW006324.D

Acq: 24 Oct 2018 17:17

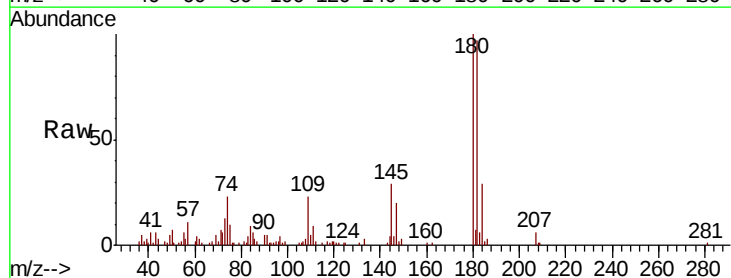
Tgt Ion:180 Resp: 14661

Ion Ratio Lower Upper

180 100

182 99.1 76.2 114.2

145 35.2 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

