

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW102818\
 Data File : VW006405.D
 Acq On : 26 Oct 2018 14:23
 Operator : SY/AP
 Sample : J5635-24
 Misc : 4.79G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G0

Quant Time: Nov 14 10:41:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 26 23:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	292849	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	205174	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	46752	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	63402	19.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.80%
7) Chloroethane-d5	2.90	69	64829	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.01	63	95436	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	7.09	46	50841	46.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.88%
24) Chloroform-d	7.65	84	149288	23.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	8.31	65	84555	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.36%
29) Benzene-d6	8.27	84	283966	30.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.92%
33) 1,2-Dichloropropane-d6	9.27	67	83964	29.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.48%
37) Toluene-d8	10.32	98	234385	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.64%
38) trans-1,3-Dichloropropene-	10.58	79	31056	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.92%
39) 2-Hexanone-d5	10.93	63	39637	58.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	58582	21.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	33029	20.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.44%

Target Compounds

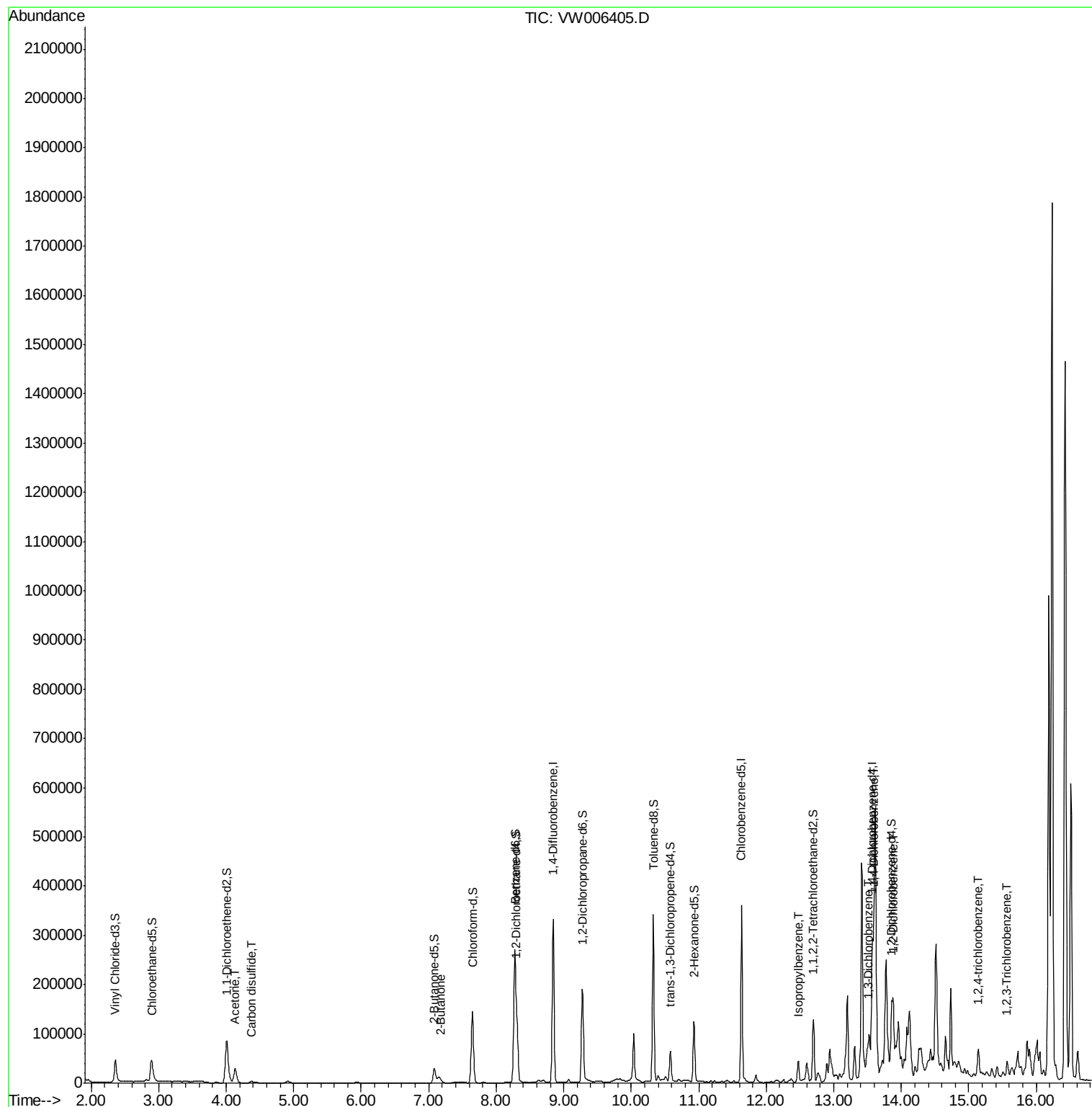
					Ovalue
13) Acetone	4.14	43	52776	47.720	ug/L 98
14) Carbon disulfide	4.38	76	7593	0.691	ug/L 97
21) 2-Butanone	7.18	43	6253	4.255	ug/L 98
57) Isopropylbenzene	12.47	105	11432	0.797	ug/L # 72
63) 1,3-Dichlorobenzene	13.51	146	14786	5.150	ug/L 98
64) 1,4-Dichlorobenzene	13.58	146	83969	29.043	ug/L 99
65) 1,2-Dichlorobenzene	13.88	146	3279	1.241	ug/L # 82
68) 1,2,4-trichlorobenzene	15.14	180	18129	9.187	ug/L 98
70) 1,2,3-Trichlorobenzene	15.57	180	1821	1.027	ug/L # 86

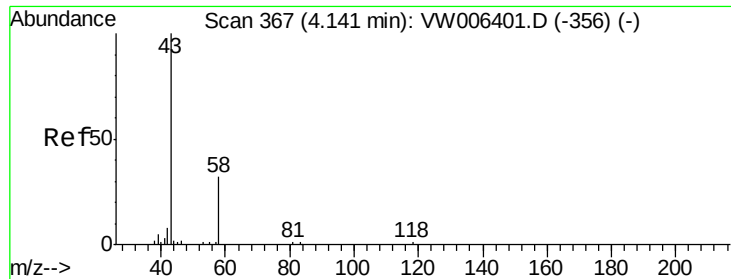
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 47.720 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006405.D

Acq: 26 Oct 2018 14:23

Instrument :

MSVOA_W

ClientSampleId :

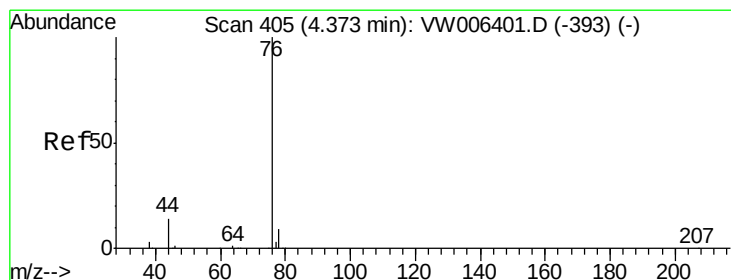
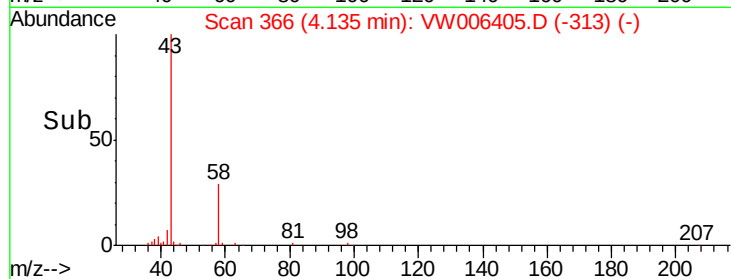
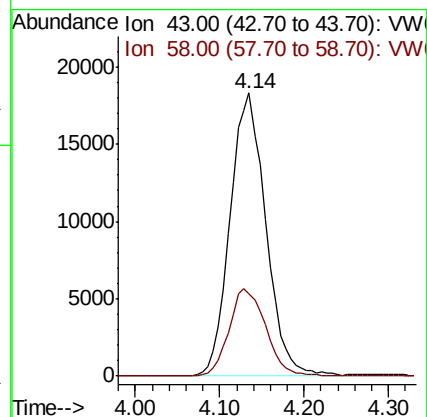
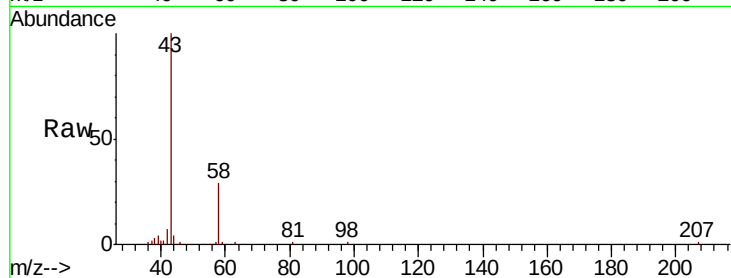
A40G0

Tot Ion: 43 Resp: 52776

Ion Ratio Lower Upper

43 100

58 31.6 0.0 61.2



#14

Carbon disulfide

Concen: 0.691 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW006405.D

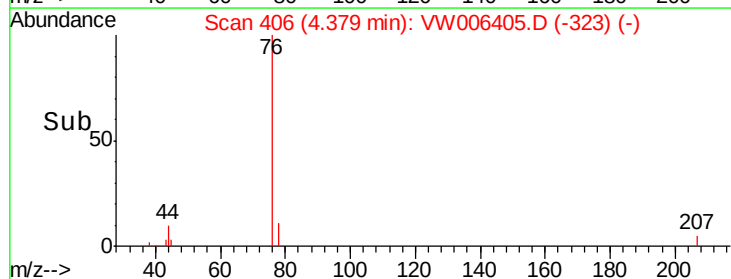
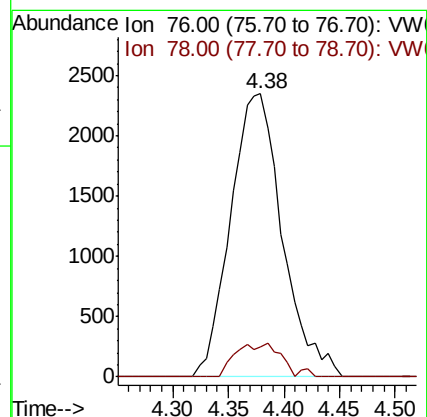
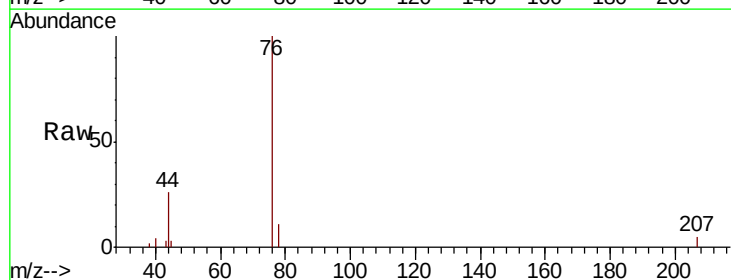
Acq: 26 Oct 2018 14:23

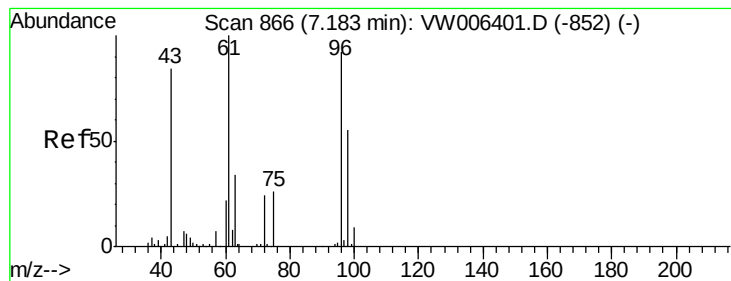
Tgt Ion: 76 Resp: 7593

Ion Ratio Lower Upper

76 100

78 10.6 7.6 11.4





#21

2-Butanone

Concen: 4.255 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006405.D

Acq: 26 Oct 2018 14:23

Instrument :

MSVOA_W

ClientSampleId :

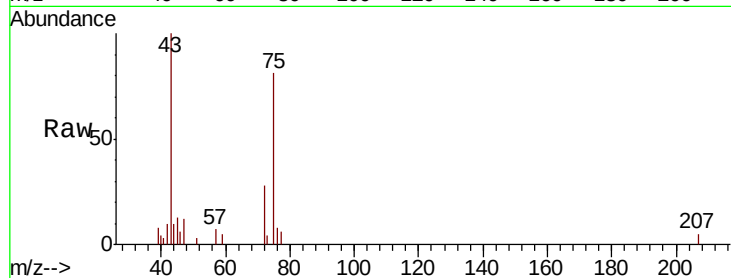
A40G0

Tot Ion: 43 Resp: 6253

Ion Ratio Lower Upper

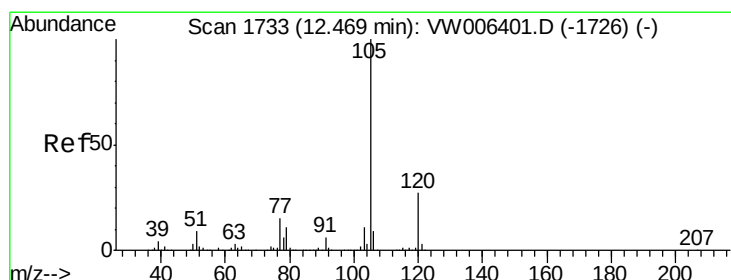
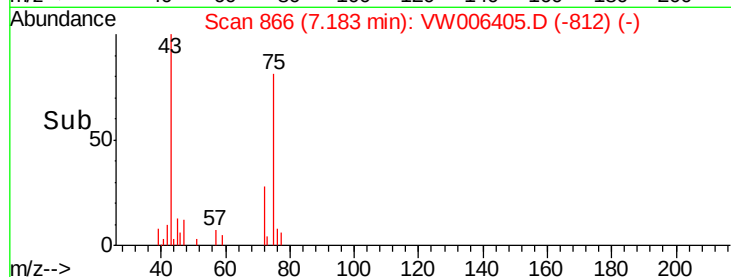
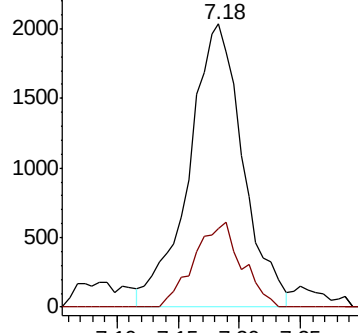
43 100

72 26.6 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#57

Isopropylbenzene

Concen: 0.797 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006405.D

Acq: 26 Oct 2018 14:23

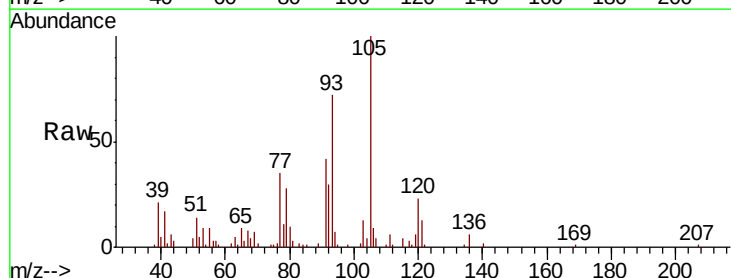
Tgt Ion: 105 Resp: 11432

Ion Ratio Lower Upper

105 100

120 23.6 21.8 32.6

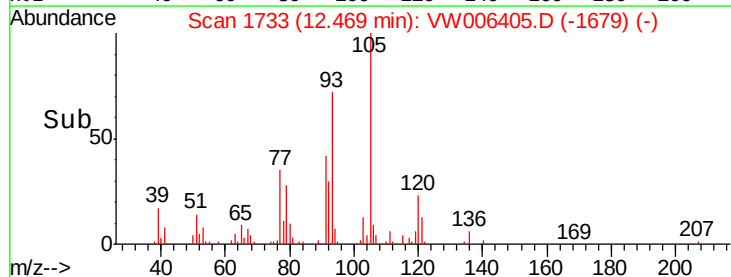
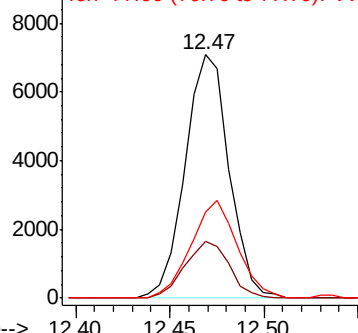
77 42.2 12.2 18.2#

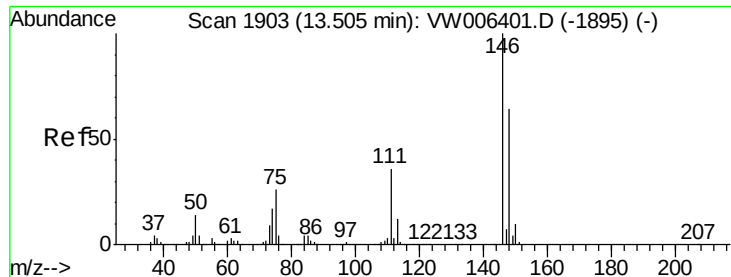


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

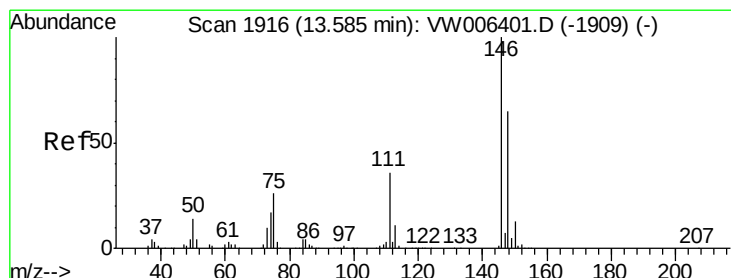
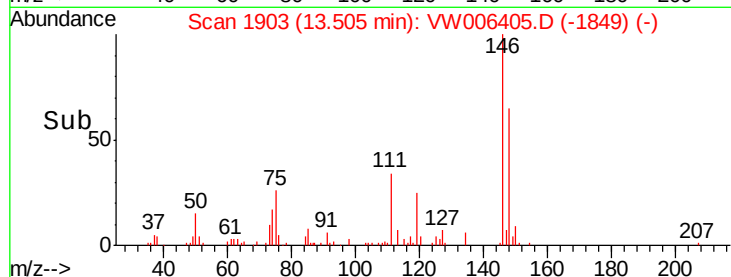
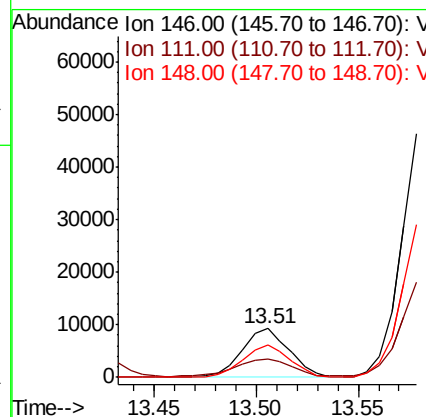
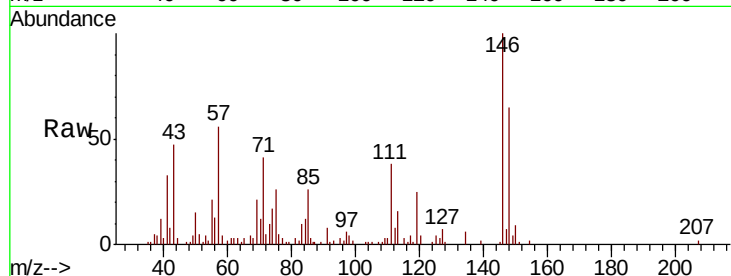




#63
 1,3-Dichlorobenzene
 Concen: 5.150 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006405.D
 Acq: 26 Oct 2018 14:23

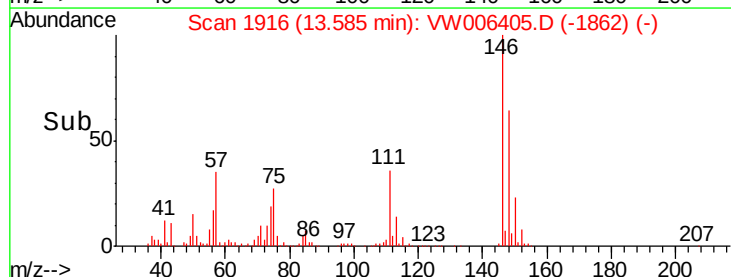
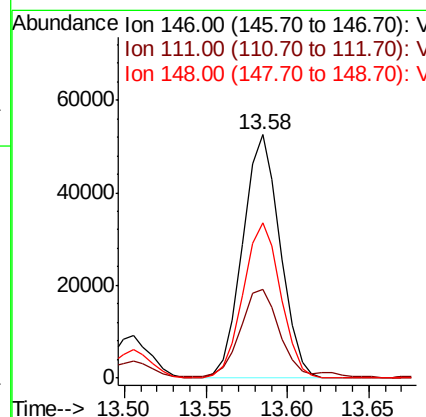
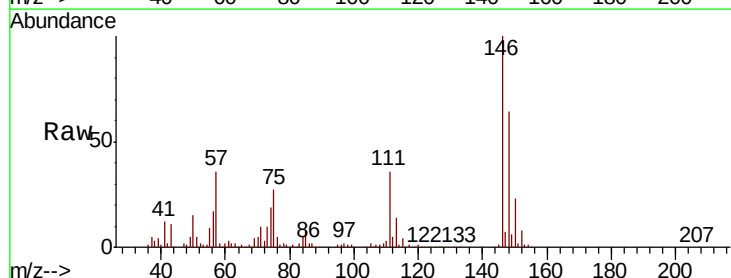
Instrument :
 MSVOA_W
 ClientSampleId :
 A40G0

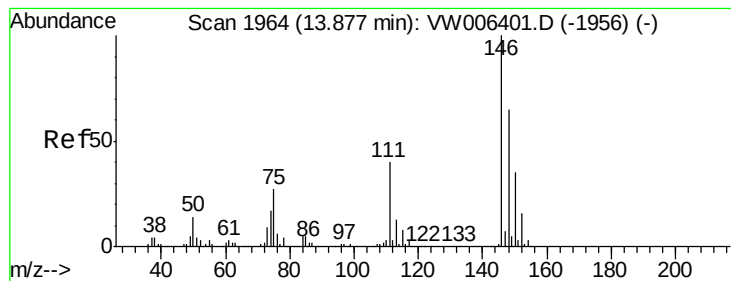
Tot Ion:146 Resp: 14786
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.3 48.9
 148 65.4 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 29.043 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006405.D
 Acq: 26 Oct 2018 14:23

Tgt Ion:146 Resp: 83969
 Ion Ratio Lower Upper
 146 100
 111 36.4 24.7 45.9
 148 63.8 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 1.241 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006405.D

Acq: 26 Oct 2018 14:23

Instrument :

MSVOA_W

ClientSampled :

A40G0

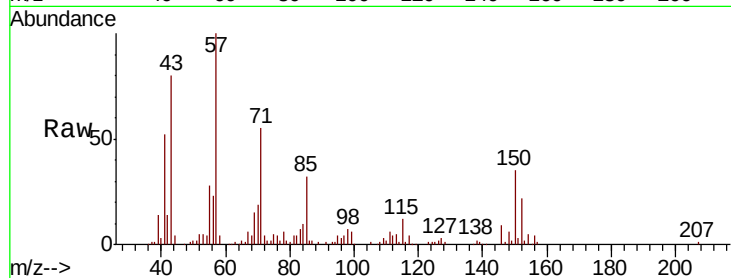
Tot Ion:146 Resp: 3279

Ion Ratio Lower Upper

146 100

111 65.6 31.1 46.7#

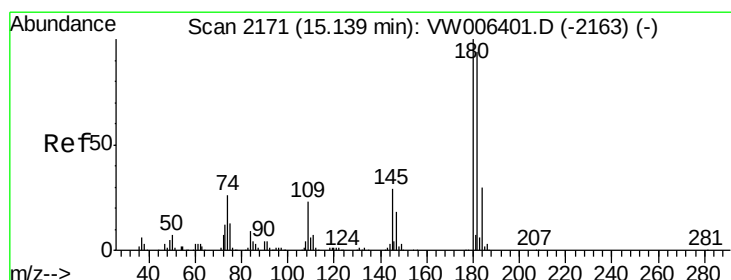
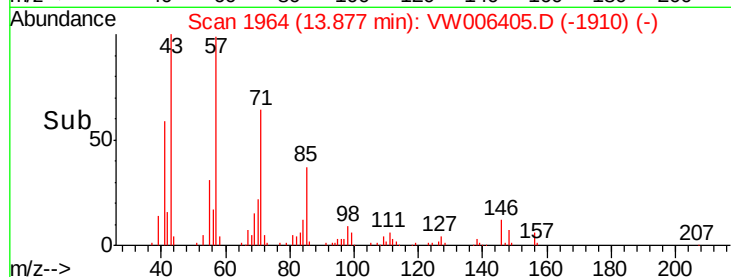
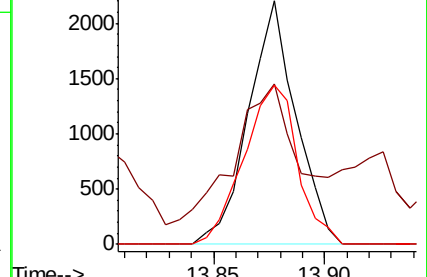
148 65.6 51.2 76.8



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: 9.187 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW006405.D

Acq: 26 Oct 2018 14:23

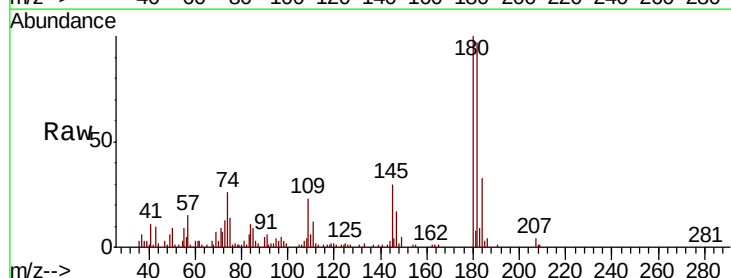
Tgt Ion:180 Resp: 18129

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

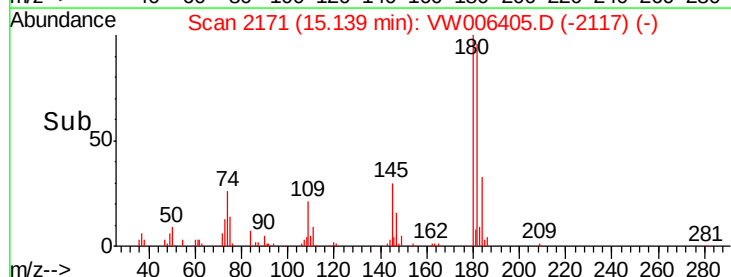
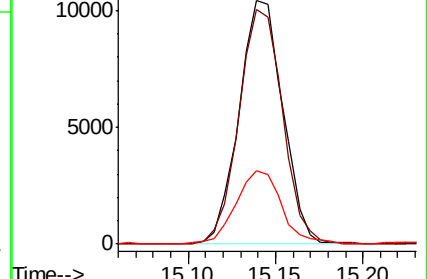
145 31.7 23.0 34.6

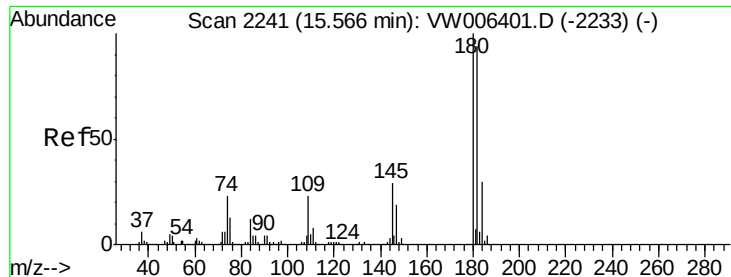


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

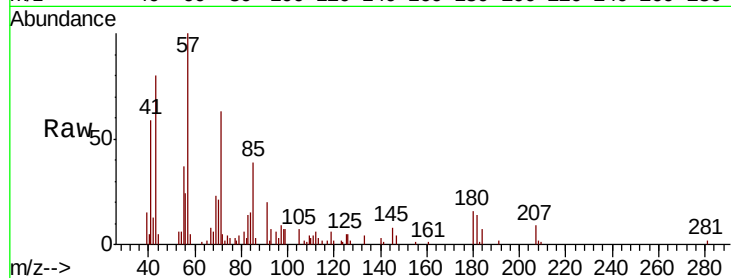




#70
 1,2,3-Trichlorobenzene
 Concen: 1.027 ug/L
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW006405.D
 Acq: 26 Oct 2018 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G0

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	86.9	75.5	113.3
145	145	49.9	24.5	36.7



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

