

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004380.D
 Acq On : 01 Aug 2018 16:38
 Operator : SY/AP
 Sample : J4209-04
 Misc : 6.33G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

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 8/2/2018 1:27:33 PM

Quant Time: Aug 02 07:00:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	149193	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	73586	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	25531m	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	68858	59.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	236.96%#
7) Chloroethane-d5	2.89	69	48548	42.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	169.12%#
10) 1,1-Dichloroethene-d2	4.01	63	99467	29.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	118.56%#
20) 2-Butanone-d5	7.09	46	45076	62.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.08%
24) Chloroform-d	7.65	84	101107	27.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.64%
26) 1,2-Dichloroethane-d4	8.31	65	66543	32.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.88%
29) Benzene-d6	8.27	84	196211	51.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	206.52%#
33) 1,2-Dichloropropane-d6	9.28	67	55266	46.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	187.80%#
37) Toluene-d8	10.33	98	121535	33.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	133.88%#
38) trans-1,3-Dichloropropene-	10.58	79	16749	29.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.76%
39) 2-Hexanone-d5	10.93	63	20994	69.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.90%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	21724	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.68%
61) 1,2-Dichlorobenzene-d4	13.87	152	23310	23.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.56%

Target Compounds

					Ovalue
13) Acetone	4.14	43	65254	103.48	ug/L 96
16) Methylene chloride	4.91	84	7882m	3.34	ug/L
27) 1,2-Dichloroethane	8.40	62	34406	13.85	ug/L 97
34) Benzene	8.32	78	11401	2.67	ug/L 100
35) Trichloroethene	9.09	95	2641	2.31	ug/L # 91
36) Methylcyclohexane	9.34	83	43148	21.18	ug/L # 79
44) Toluene	10.39	91	199298	43.45	ug/L 98
47) Tetrachloroethene	10.87	164	5635	5.75	ug/L 97
52) Chlorobenzene	11.66	112	169139	55.39	ug/L 96
53) Ethylbenzene	11.74	91	1306183	251.69	ug/L 96
54) m,p-Xylene	11.84	106	2042970	1040.72	ug/L 98
55) o-xylene	12.17	106	2031317	1095.60	ug/L 95
57) Isopropylbenzene	12.47	105	37465	7.21	ug/L # 95
63) 1,3-Dichlorobenzene	13.51	146	15435149	9372.80	ug/L 90
64) 1,4-Dichlorobenzene	13.59	146	14425079	8513.87	ug/L 86
65) 1,2-Dichlorobenzene	13.88	146	21530056m	13829.33	ug/L
68) 1,2,4-trichlorobenzene	15.15	180	2467023	2224.98	ug/L 99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 02 03:56:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	15.57	180	901184	878.37	ug/L	100

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

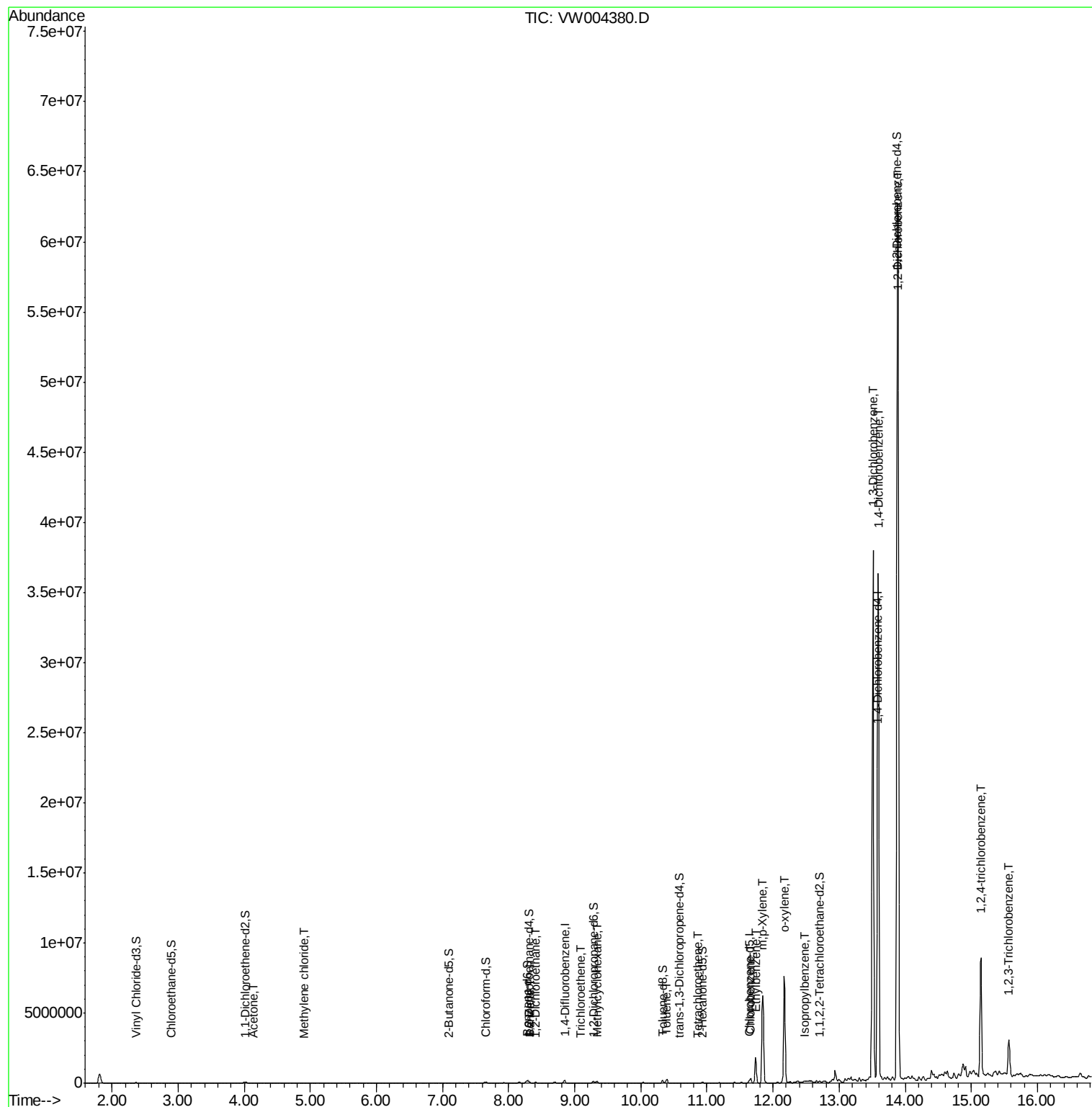
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Data File : VW004380.D
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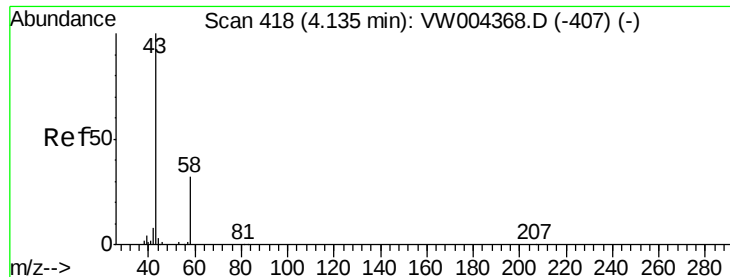
Instrument :
MSVOA_W
ClientSampled :
C0AB9

Manual Integrations
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8/2/2018 1:27:33 PM

Quant Time: Aug 02 07:00:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
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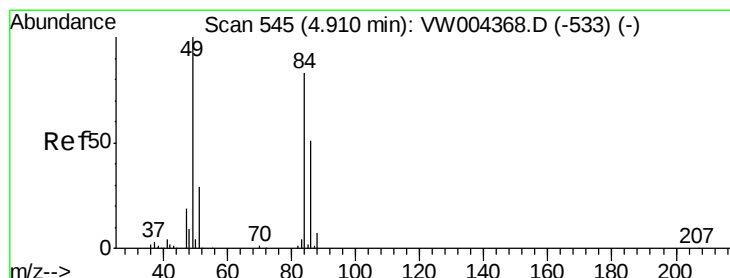
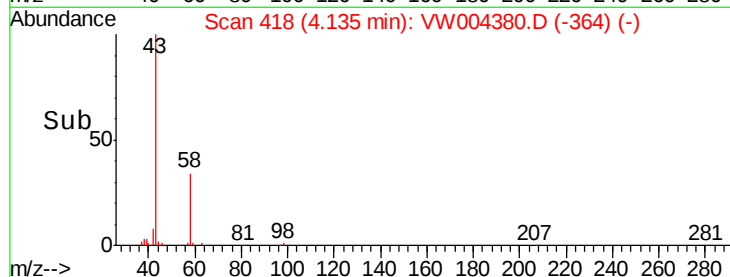
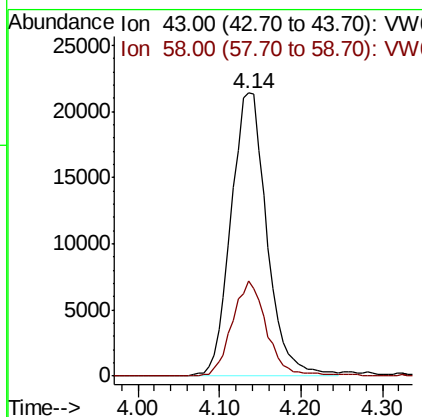
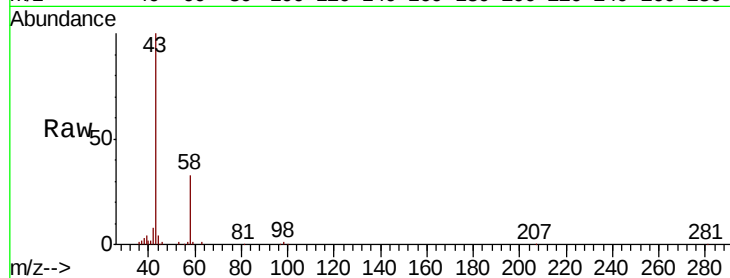
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Acetone
Concen: 103.48 ug/L
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW004380.D
Acq: 01 Aug 2018 16:38

Instrument :
MSVOA_W
ClientSampleId :
C0AB9

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.3	0.0	64.8

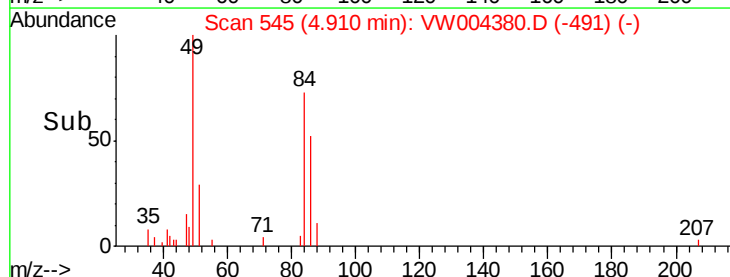
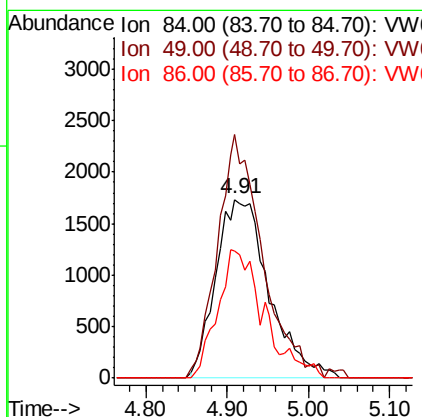
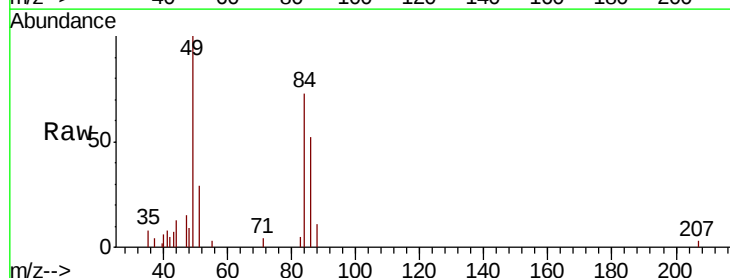
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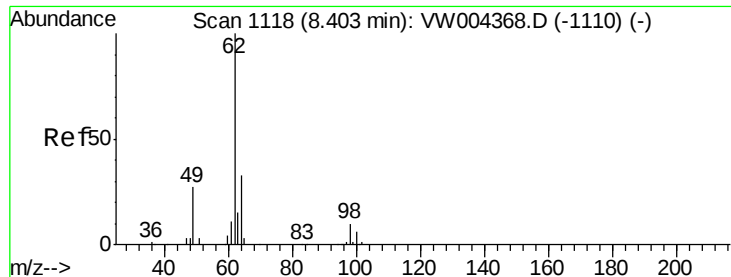
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#16
Methylene chloride
Concen: 3.34 ug/L m
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004380.D
Acq: 01 Aug 2018 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.2	79.5	147.7
86	71.4	45.8	85.2





#27

1,2-Dichloroethane

Concen: 13.85 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

ClientSampleId :

C0AB9

Tot Ion: 62 Resp: 34406

Ion Ratio Lower Upper

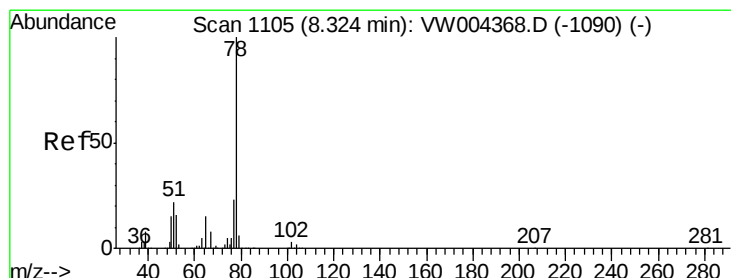
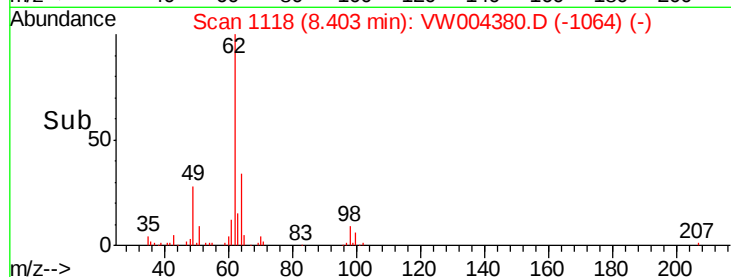
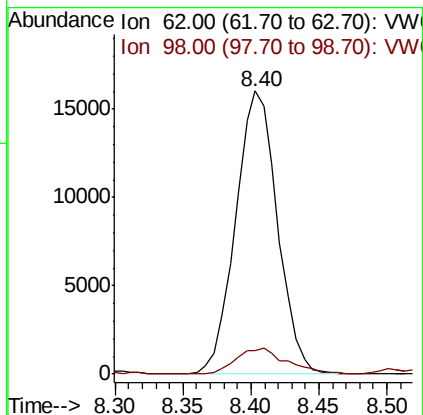
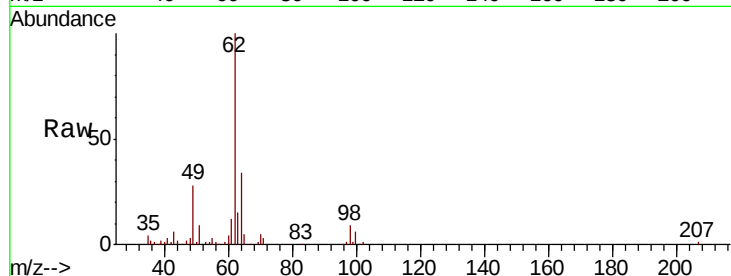
62 100

98 8.5 7.8 11.8

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#34

Benzene

Concen: 2.67 ug/L

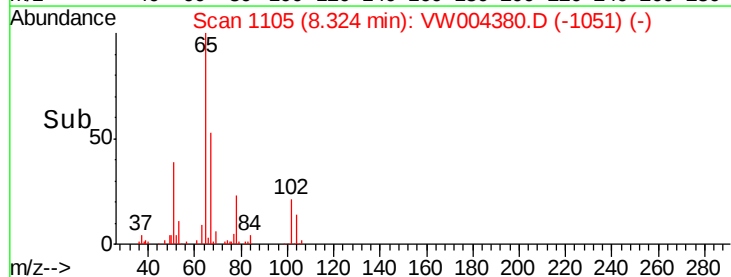
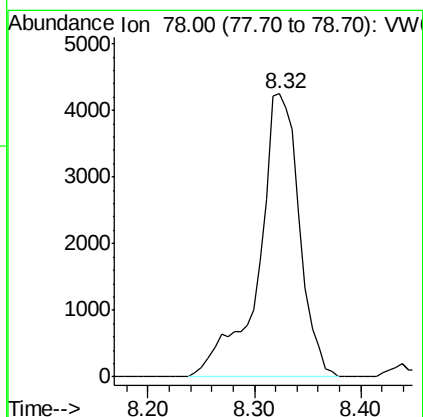
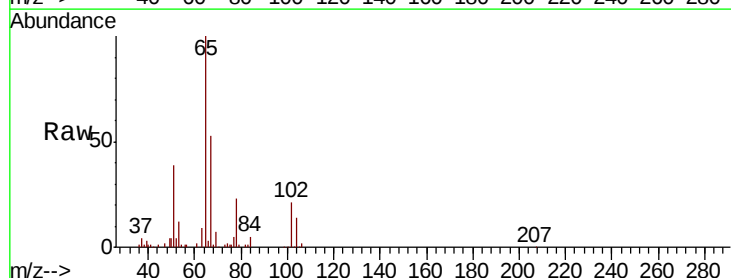
RT: 8.32 min Scan# 1105

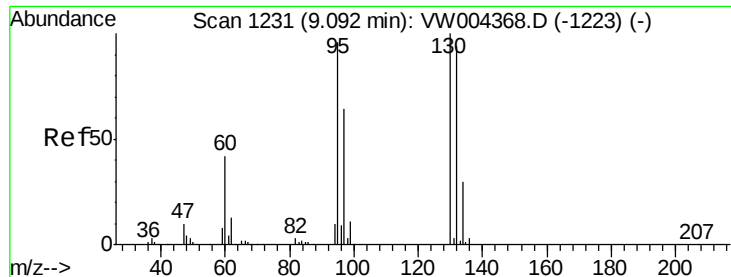
Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Tgt Ion: 78 Resp: 11401





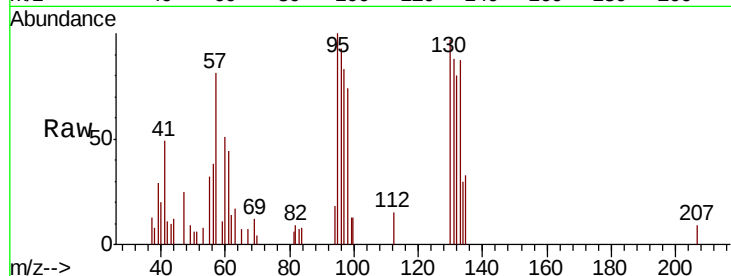
#35
 Trichloroethene
 Concen: 2.31 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004380.D
 Acq: 01 Aug 2018 16:38

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB9

Tot Ion	Ratio	Lower	Upper
95	100		
97	87.8	45.6	84.6#
132	98.7	71.2	132.2
130	102.3	73.9	137.3

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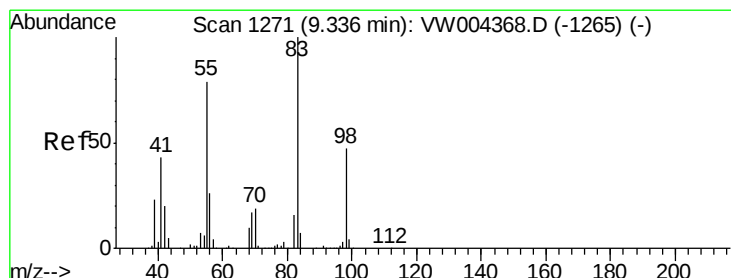
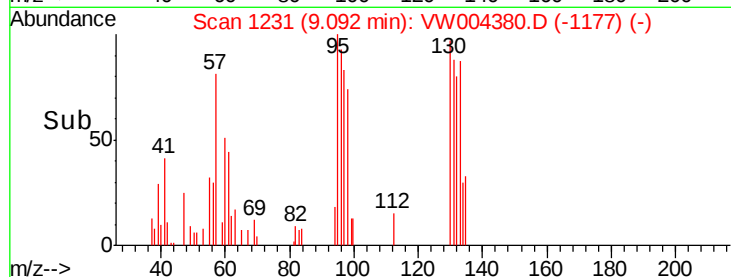
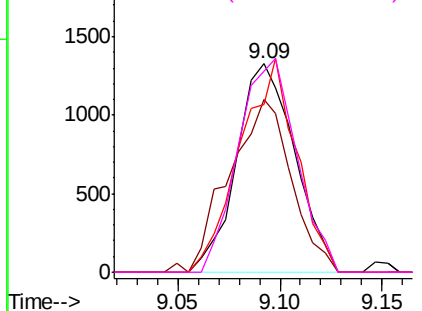
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 21.18 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004380.D
 Acq: 01 Aug 2018 16:38

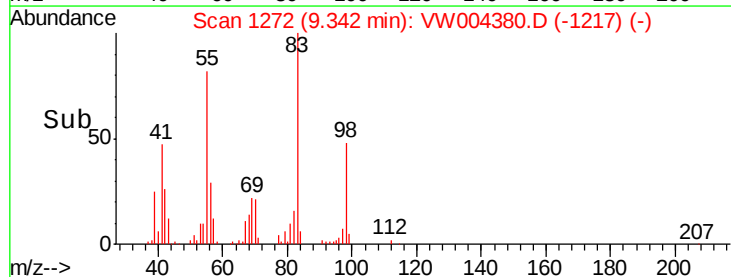
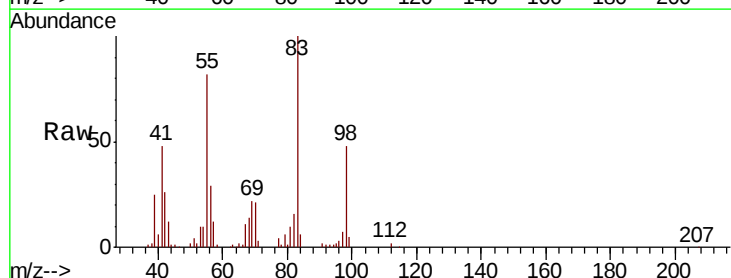
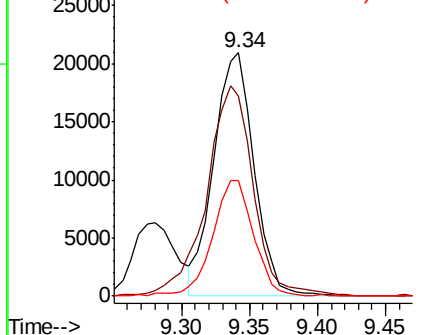
Tgt Ion	Ratio	Lower	Upper
83	100		
55	101.1	58.2	87.2#
98	47.8	37.7	56.5

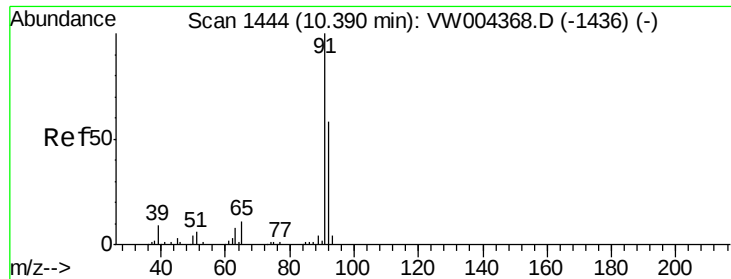
Abundance

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





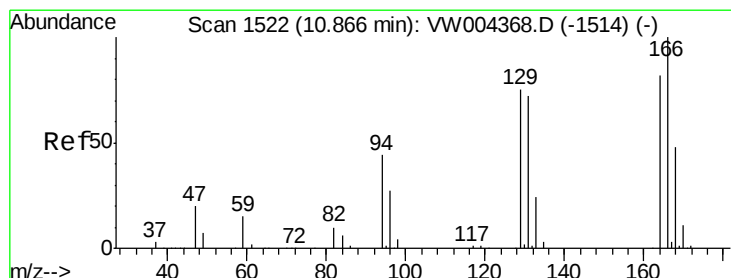
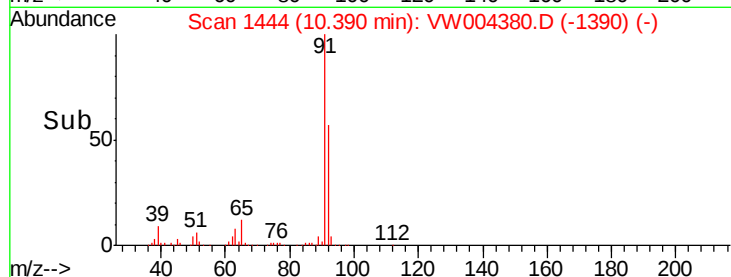
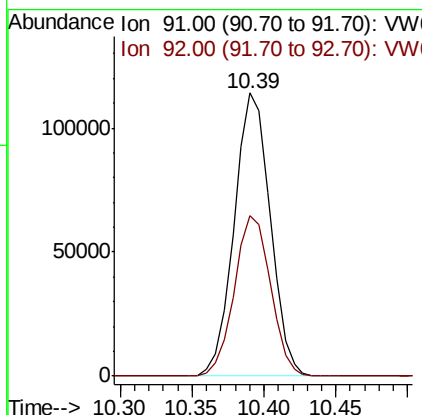
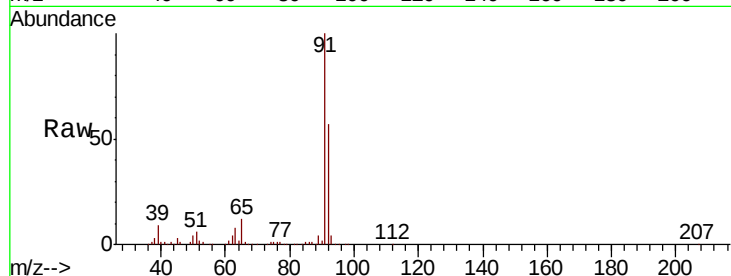
#44
Toluene
Concen: 43.45 ug/L
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW004380.D
Acq: 01 Aug 2018 16:38

Instrument :
MSVOA_W
ClientSampled :
C0AB9

Tot Ion	Ratio	Resp	Lower	Upper
91	100	199298		
92	56.9		40.9	75.9

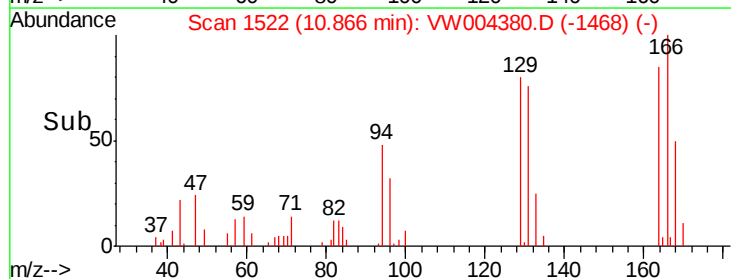
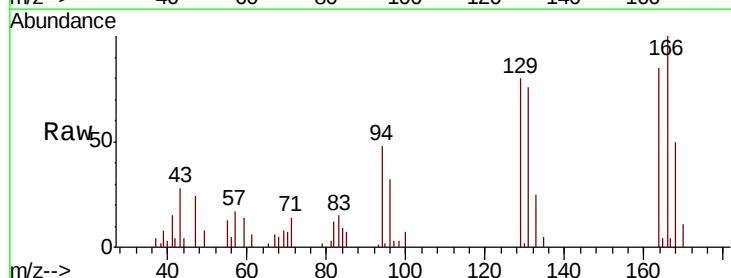
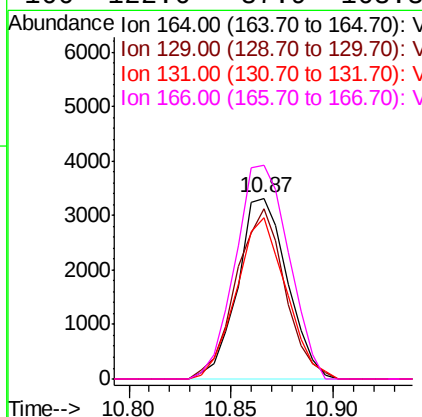
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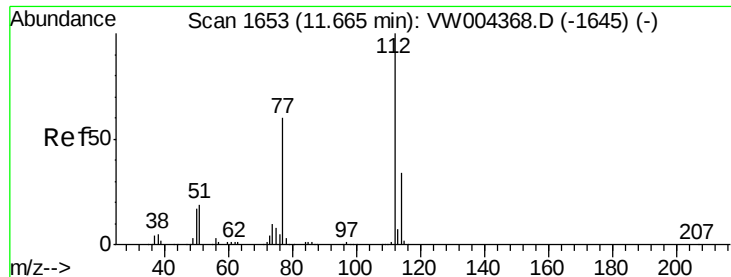
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#47
Tetrachloroethene
Concen: 5.75 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004380.D
Acq: 01 Aug 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5635		
129	94.1		63.7	118.3
131	89.6		61.6	114.4
166	122.6		87.9	163.3





#52

Chlorobenzene

Concen: 55.39 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

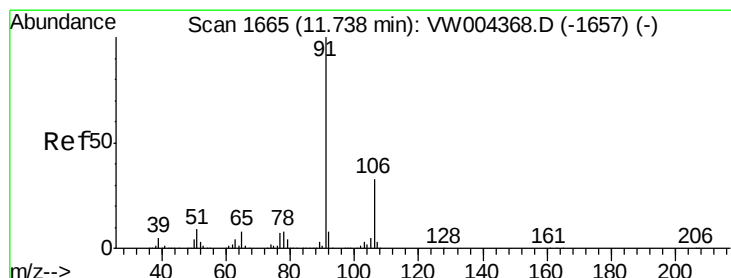
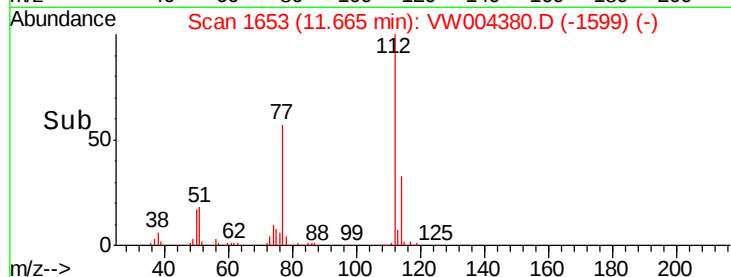
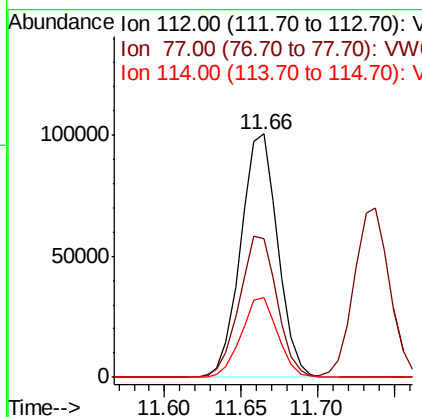
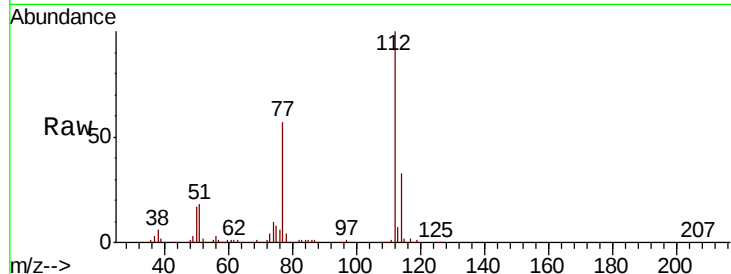
ClientSampleId :

C0AB9

Tot Ion:	112	Resp:	169139
Ion Ratio	Lower	Upper	
112	100		
77	56.8	42.9	64.3
114	32.8	22.0	41.0

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#53

Ethylbenzene

Concen: 251.69 ug/L

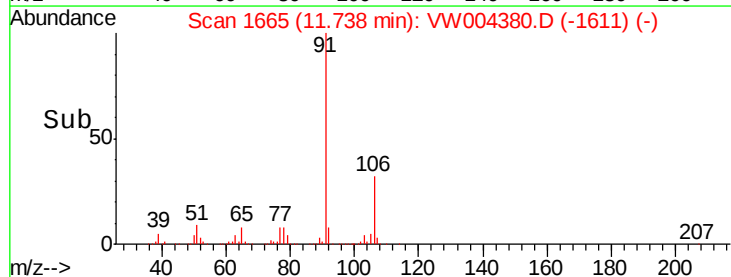
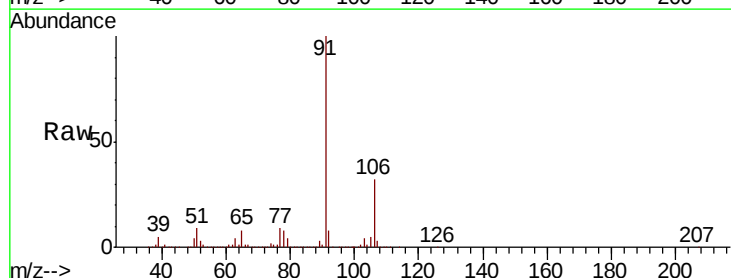
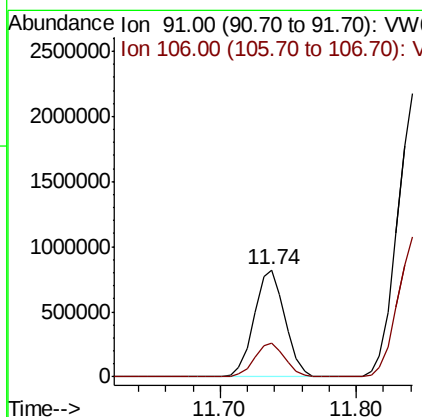
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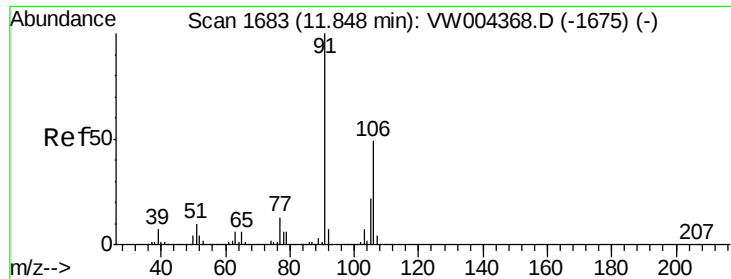
Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Tgt Ion:	91	Resp:	1306183
Ion Ratio	Lower	Upper	
91	100		
106	31.7	20.7	38.5





#54

m,p-Xylene

Concen: 1040.72 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

ClientSampled :

C0AB9

Tot Ion:106 Resp: 2042970

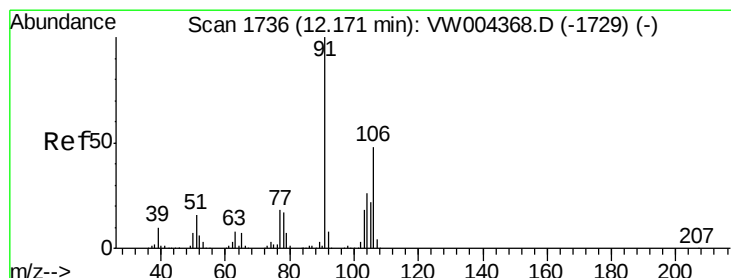
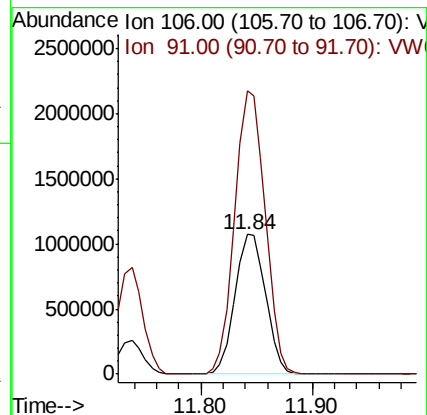
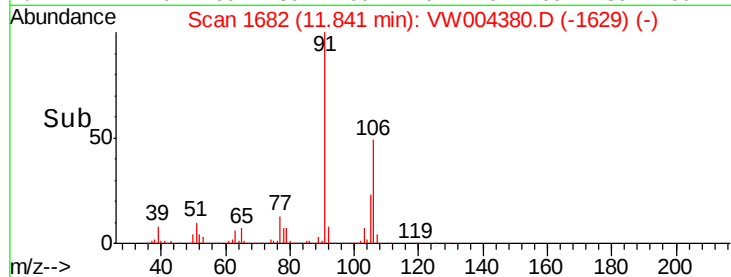
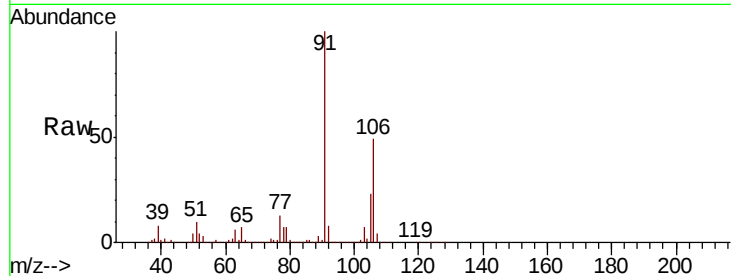
Ion Ratio Lower Upper

106 100

91 202.4 139.2 258.6

Manual Integrations
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#55

o-xylene

Concen: 1095.60 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004380.D

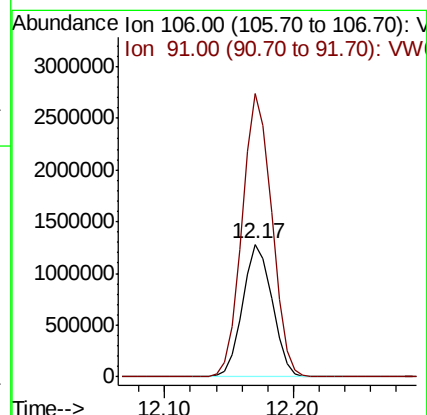
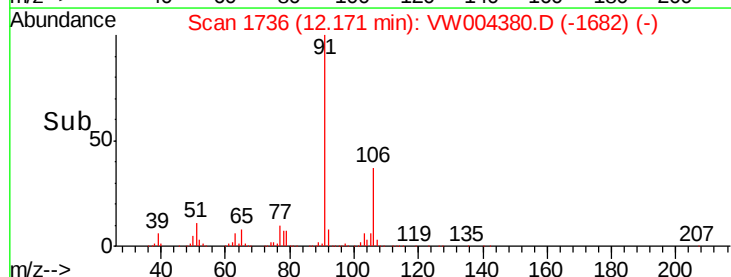
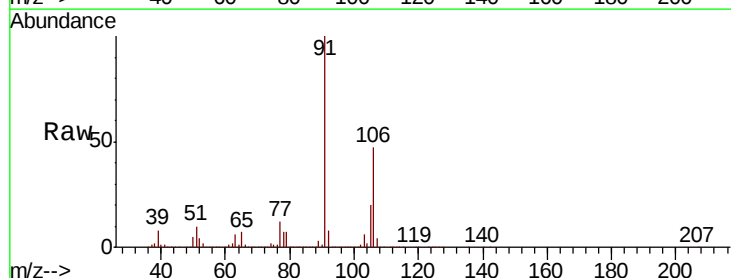
Acq: 01 Aug 2018 16:38

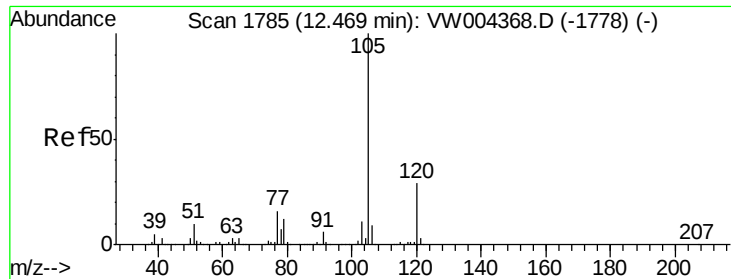
Tgt Ion:106 Resp: 2031317

Ion Ratio Lower Upper

106 100

91 213.1 143.4 266.4





#57

Isopropylbenzene

Concen: 7.21 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

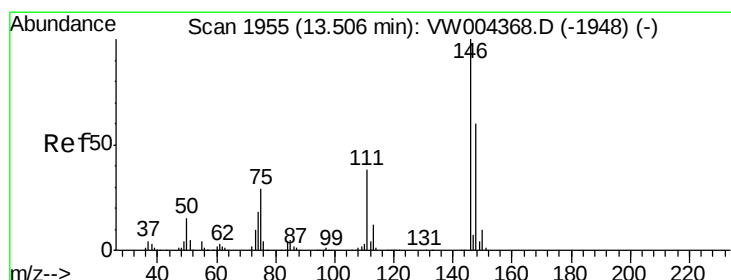
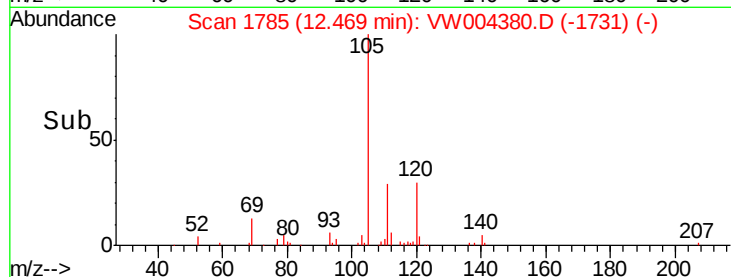
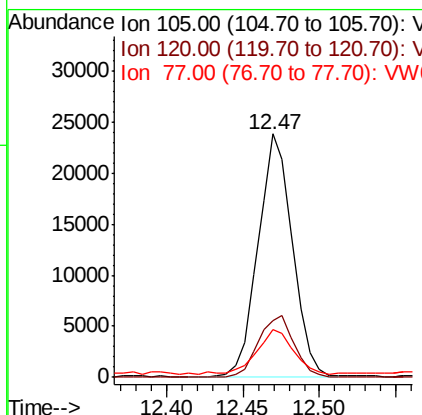
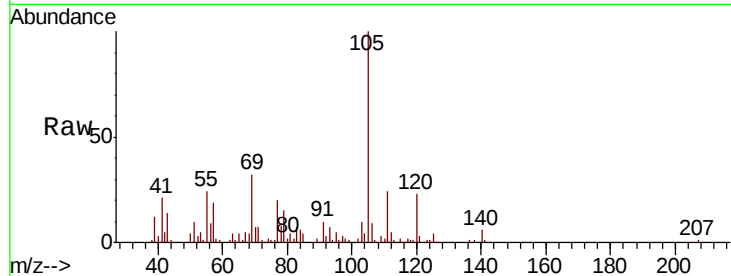
ClientSampleId :

C0AB9

Tot Ion:	105	Resp:	37465
Ion Ratio	Lower	Upper	
105	100		
120	26.2	21.8	32.8
77	19.1	11.8	17.8#

Manual Integrations
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#63

1,3-Dichlorobenzene

Concen: 9372.80 ug/L

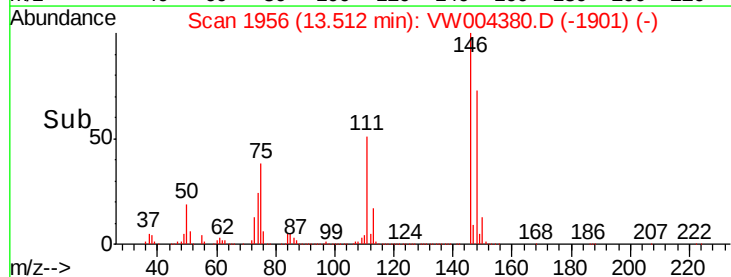
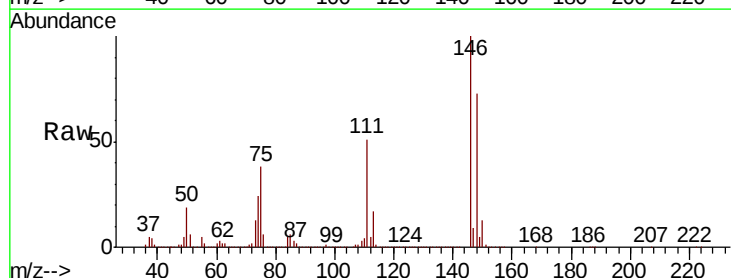
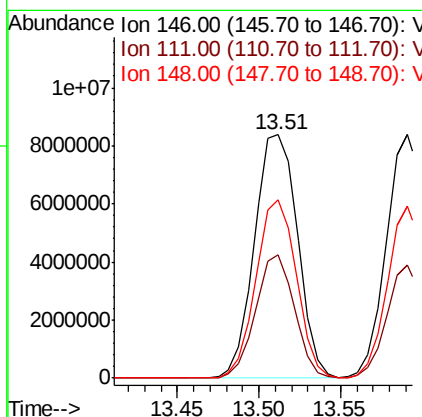
RT: 13.51 min Scan# 1956

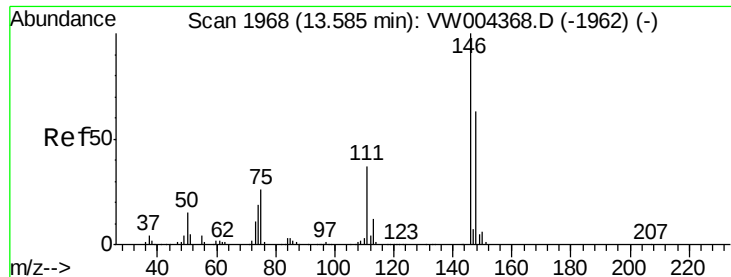
Delta R.T. 0.01 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Tgt Ion:	146	Resp:	15435149
Ion Ratio	Lower	Upper	
146	100		
111	50.6	28.6	53.2
148	73.5	47.7	88.5





#64

1,4-Dichlorobenzene

Concen: 8513.87 ug/L

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

ClientSampled :

C0AB9

Tot Ion:146 Resp:14425079

Ion Ratio Lower Upper

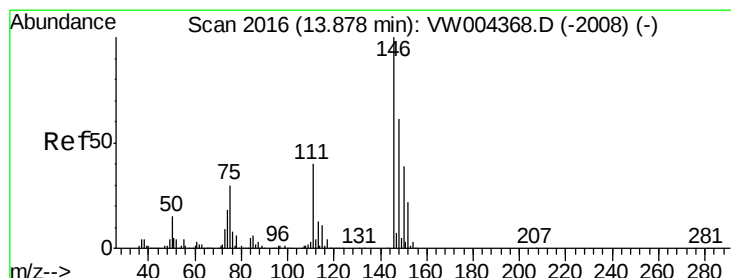
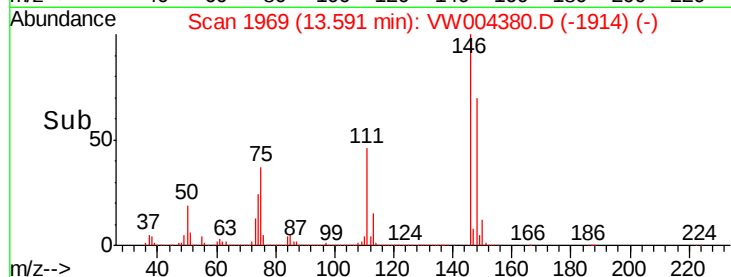
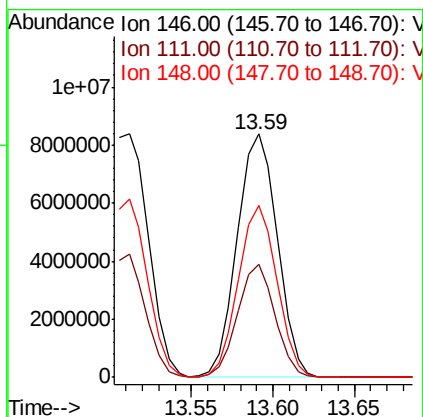
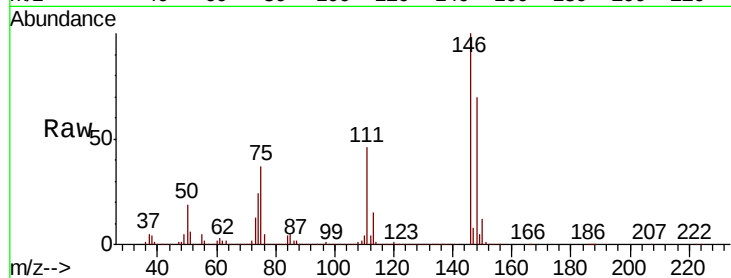
146 100

111 46.4 25.4 47.2

148 70.5 42.8 79.6

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 13829.33 ug/L m

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

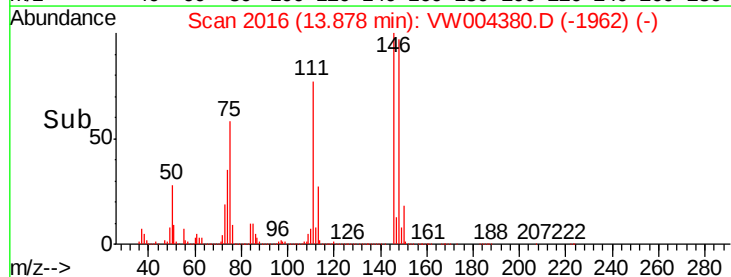
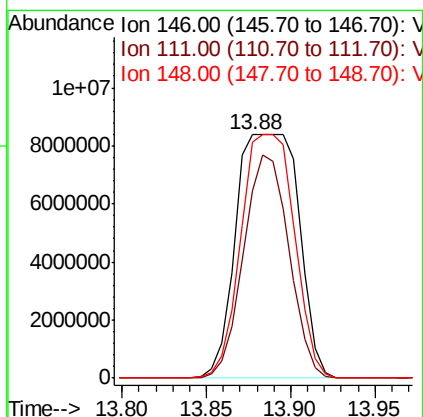
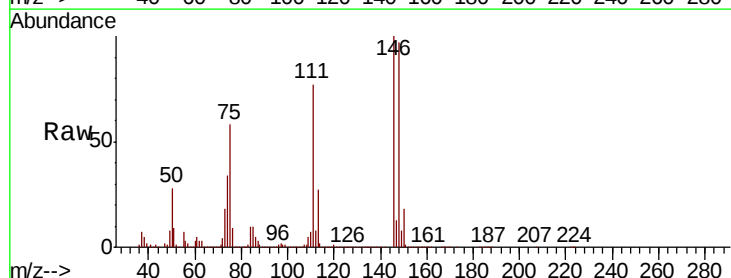
Tgt Ion:146 Resp:21530056

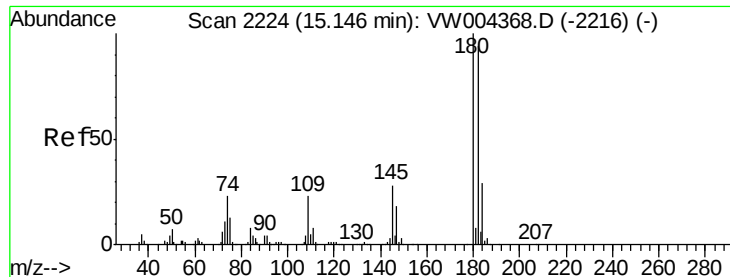
Ion Ratio Lower Upper

146 100

111 77.1 30.2 45.4#

148 97.1 51.0 76.4#





#68

1,2,4-trichlorobenzene

Concen: 2224.98 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

Instrument :

MSVOA_W

ClientSampleId :

C0AB9

Tot Ion:180 Resp: 2467023

Ion Ratio Lower Upper

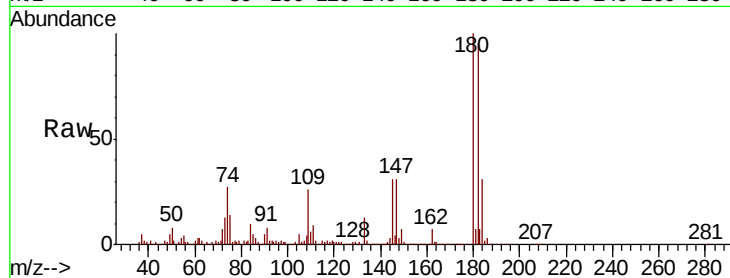
180 100

182 95.3 75.5 113.3

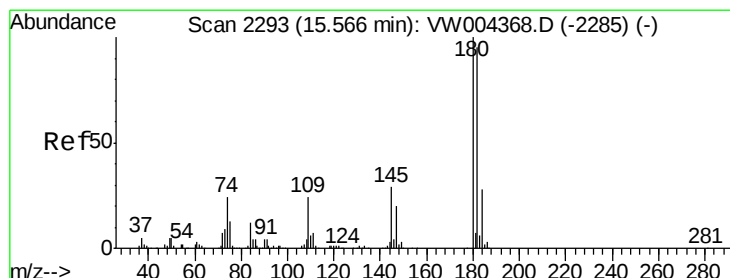
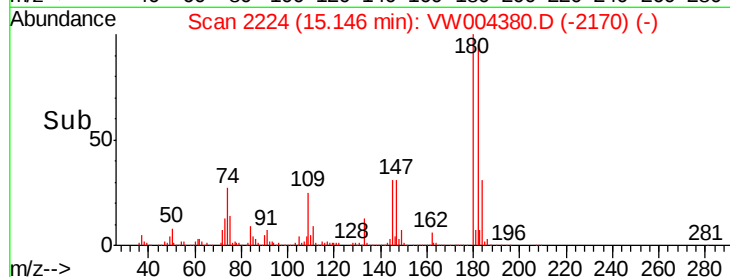
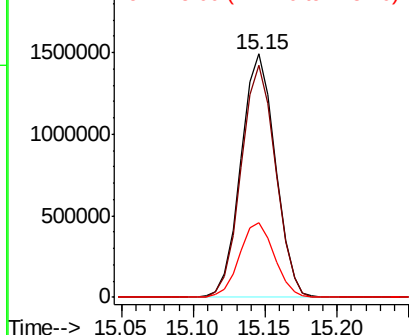
145 31.4 24.2 36.2

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
2000000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#70

1,2,3-Trichlorobenzene

Concen: 878.37 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004380.D

Acq: 01 Aug 2018 16:38

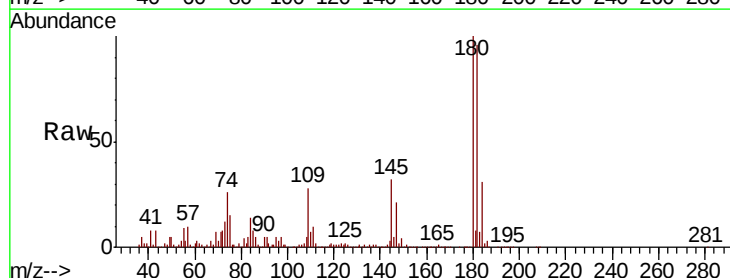
Tgt Ion:180 Resp: 901184

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 32.4 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V
600000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

