

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009680.D
 Acq On : 04 Apr 2019 02:43
 Operator : SY/VA
 Sample : K2188-02
 Misc : 4.86G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF649

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 8:53:38 AM

Quant Time: Apr 04 04:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 02:03:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402381	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	295664	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	87707	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	168335	31.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.88%
7) Chloroethane-d5	2.89	69	149549	31.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.00%
10) 1,1-Dichloroethene-d2	4.01	63	251443	22.20	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.80%
20) 2-Butanone-d5	7.07	46	92140	53.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.80%
24) Chloroform-d	7.64	84	290960	26.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	8.30	65	182473	27.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.28%
29) Benzene-d6	8.27	84	573193	36.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	147.72%#
33) 1,2-Dichloropropane-d6	9.27	67	170729	35.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.44%#
37) Toluene-d8	10.32	98	447868	31.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	124.84%
38) trans-1,3-Dichloropropene-	10.57	79	45870	20.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.24%
39) 2-Hexanone-d5	10.93	63	61148	67.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.34%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105891	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	83155	27.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	30655	16.735	ug/L	99
14) Carbon disulfide	4.37	76	21801	1.312	ug/L	97
16) Methylene chloride	4.91	84	32016	4.512	ug/L	95
21) 2-Butanone	7.17	43	9091m	3.902	ug/L	
44) Toluene	10.39	91	11304	0.600	ug/L	94
52) Chlorobenzene	11.66	112	10229	0.843	ug/L	90
53) Ethylbenzene	11.73	91	16475	0.767	ug/L	98
54) m,p-Xylene	11.84	106	3589	0.452	ug/L	85
55) o-xylene	12.16	106	12212	1.615	ug/L	92
63) 1,3-Dichlorobenzene	13.50	146	19168	3.533	ug/L #	70
64) 1,4-Dichlorobenzene	13.58	146	32887	5.684	ug/L #	88

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

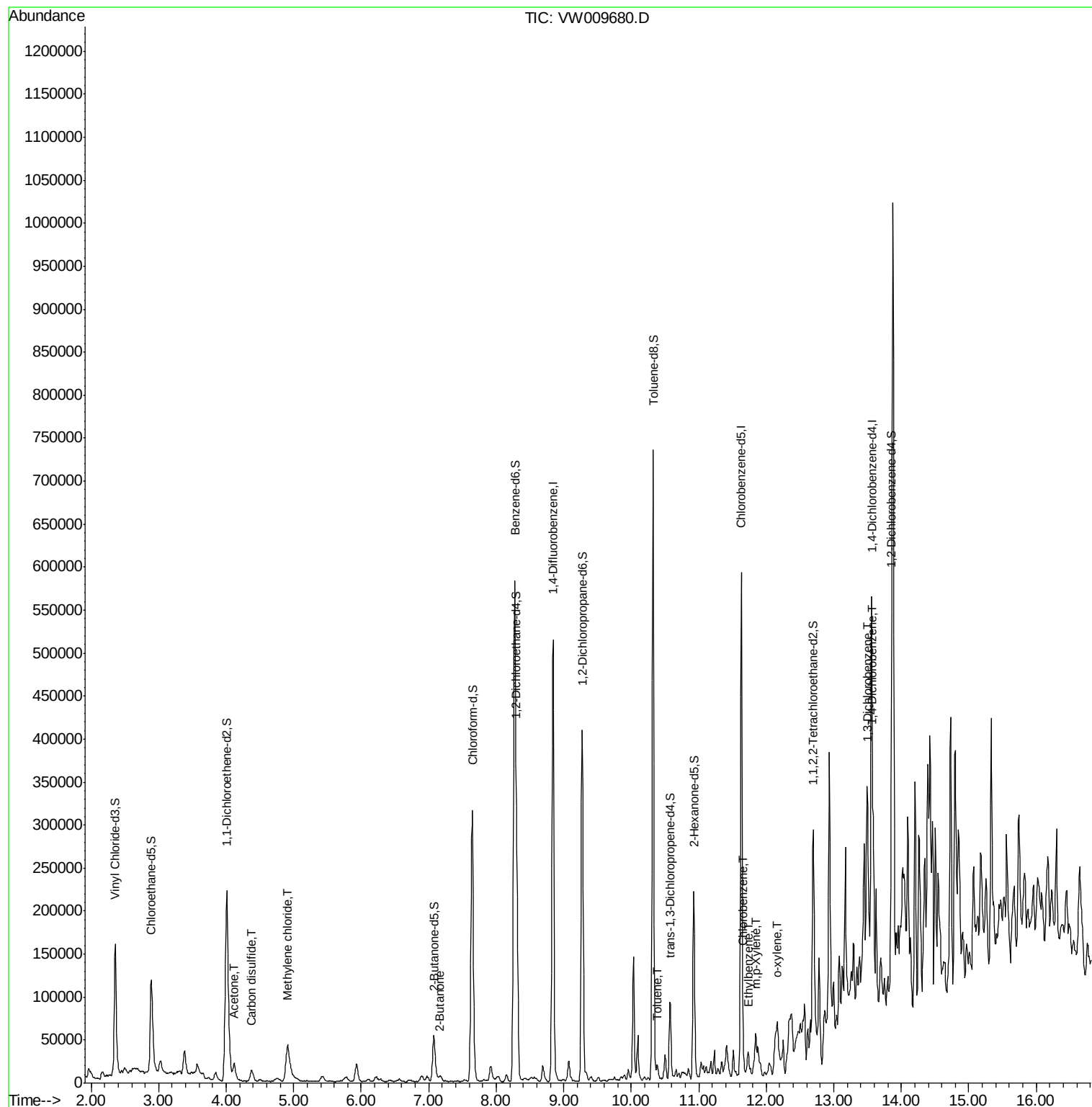
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009680.D
Acq On : 04 Apr 2019 02:43
Operator : SY/VA
Sample : K2188-02
Misc : 4.86G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

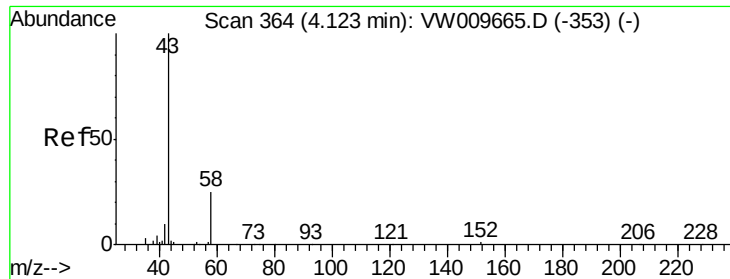
Instrument :
MSVOA_W
ClientSampleId :
BF649

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Quant Time: Apr 04 04:02:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 02:03:18 2019
Response via : Initial Calibration





#13

Acetone

Concen: 16.735 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009680.D

Acq: 04 Apr 2019 02:43

Instrument :

MSVOA_W

ClientSampled :

BF649

Tot Ion: 43 Resp: 30655

Ion Ratio Lower Upper

43 100

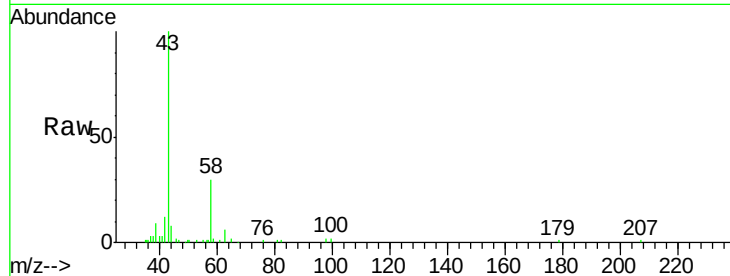
58 26.1 0.0 53.0

Manual Integrations

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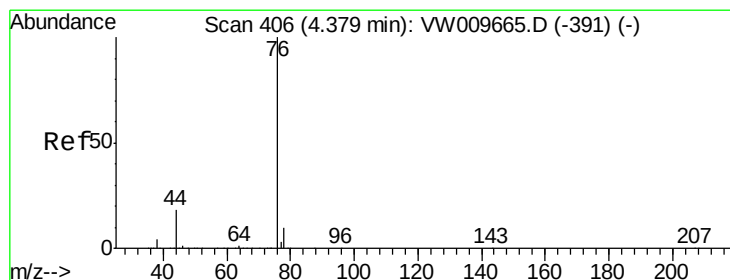
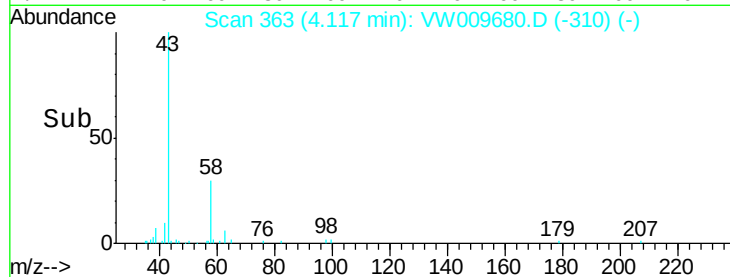
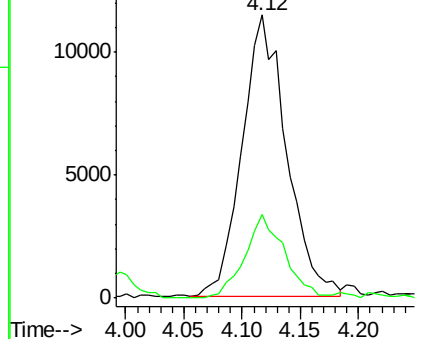
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.312 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009680.D

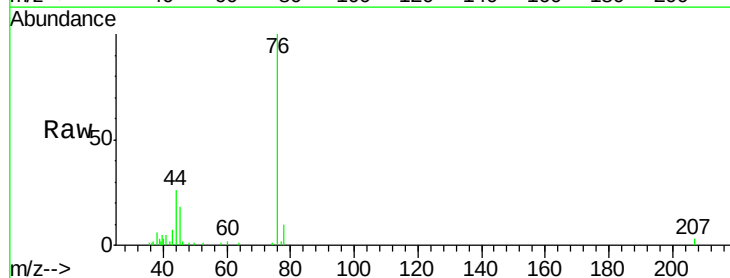
Acq: 04 Apr 2019 02:43

Tgt Ion: 76 Resp: 21801

Ion Ratio Lower Upper

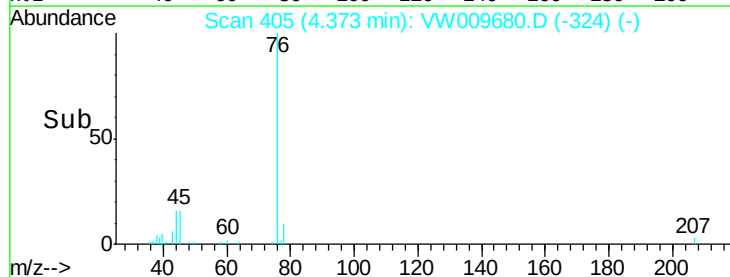
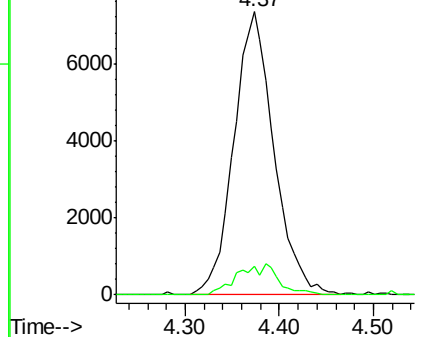
76 100

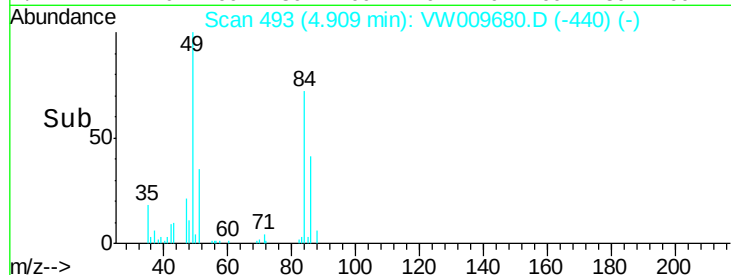
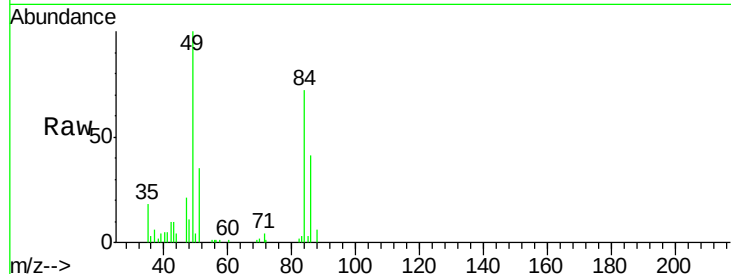
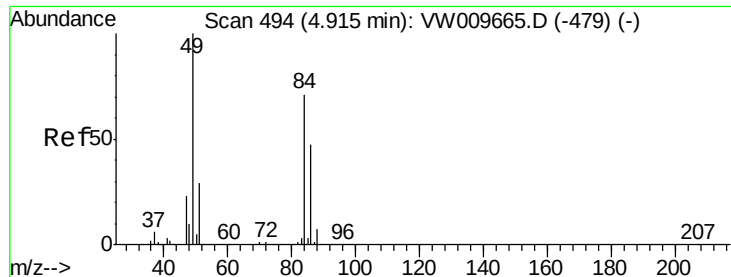
78 10.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





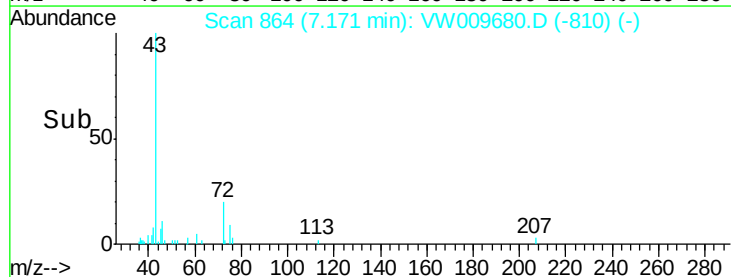
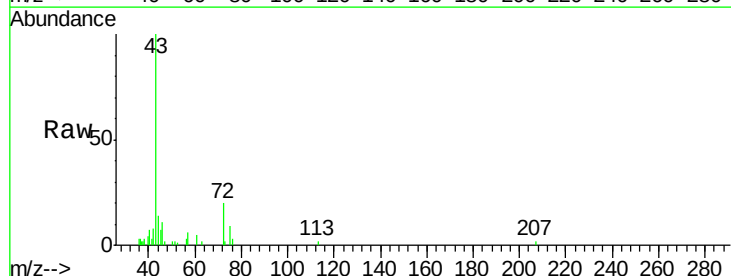
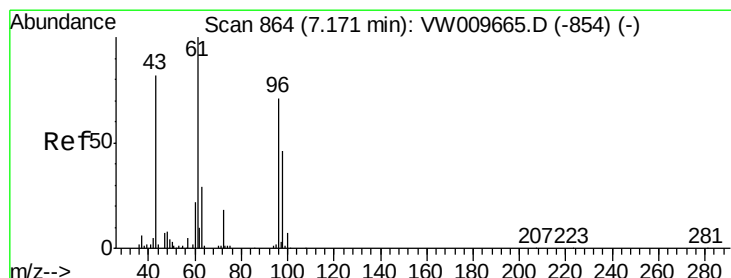
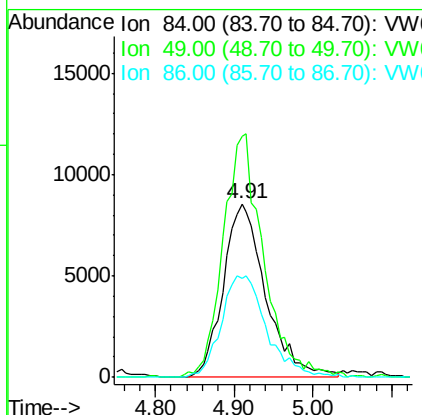
#16
Methylene chloride
Concen: 4.512 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009680.D
Acq: 04 Apr 2019 02:43

Tot Ion	Ratio	Lower	Upper
84	100		
49	138.5	98.3	182.5
86	57.0	46.4	86.2

Instrument :
MSVOA_W
ClientSampleId :
BF649

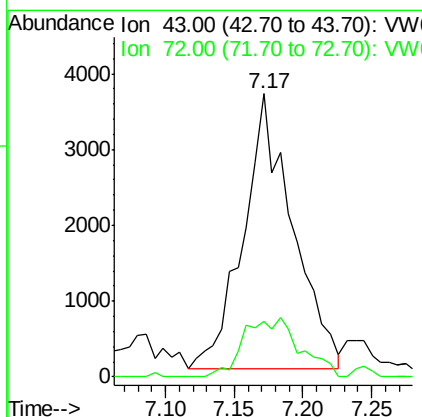
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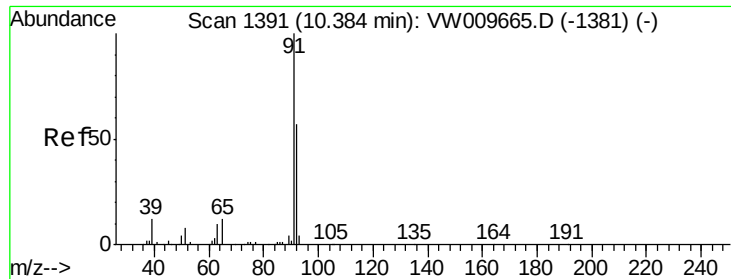
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#21
2-Butanone
Concen: 3.902 ug/L m
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW009680.D
Acq: 04 Apr 2019 02:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	1.1	12.0	36.1#





#44

Toluene

Concen: 0.600 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009680.D

Acq: 04 Apr 2019 02:43

Instrument :

MSVOA_W

ClientSampleId :

BF649

Tot Ion: 91 Resp: 11304

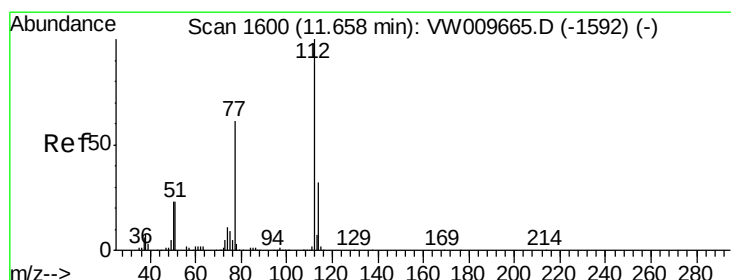
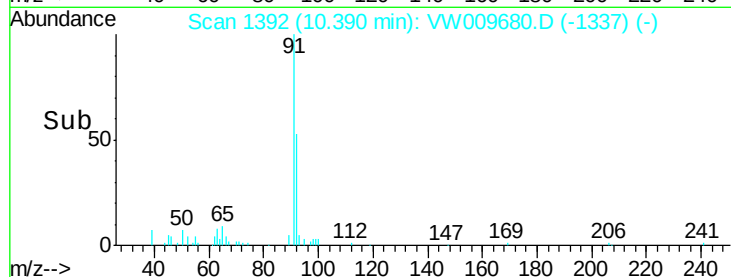
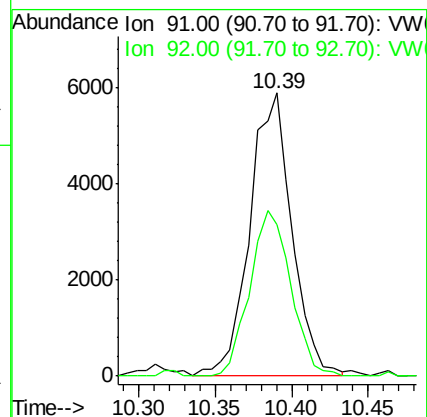
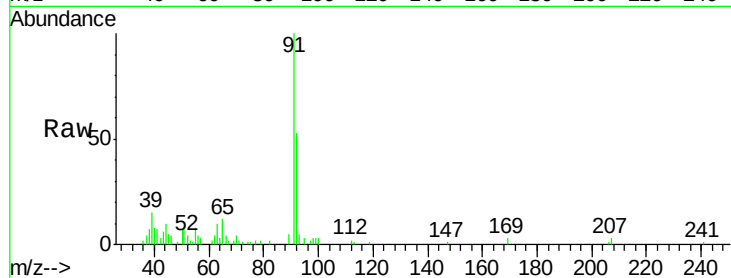
Ion Ratio Lower Upper

91 100

92 53.4 40.5 75.1

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4/10/2019 8:53:38 AM



#52

Chlorobenzene

Concen: 0.843 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009680.D

Acq: 04 Apr 2019 02:43

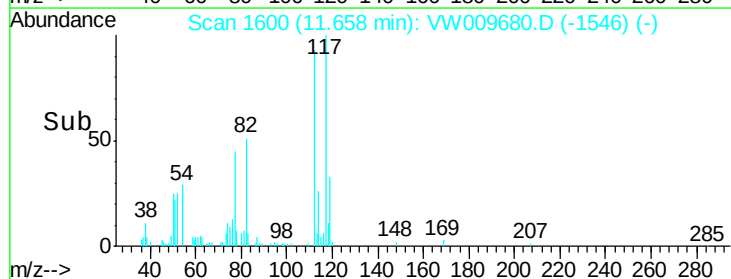
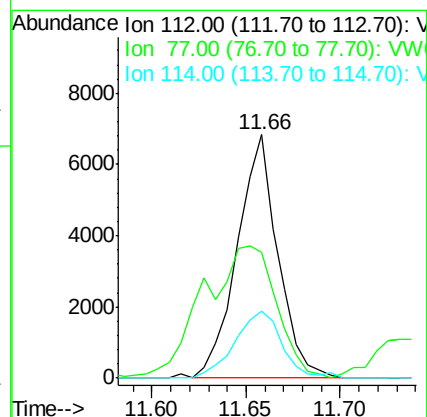
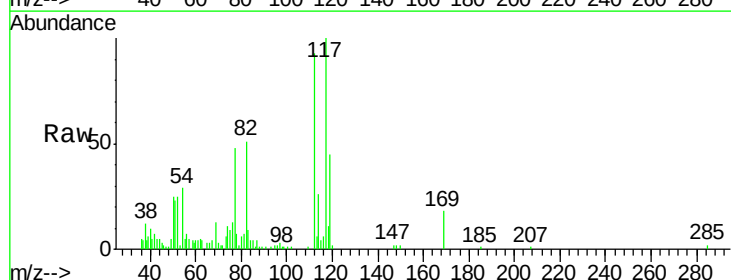
Tgt Ion: 112 Resp: 10229

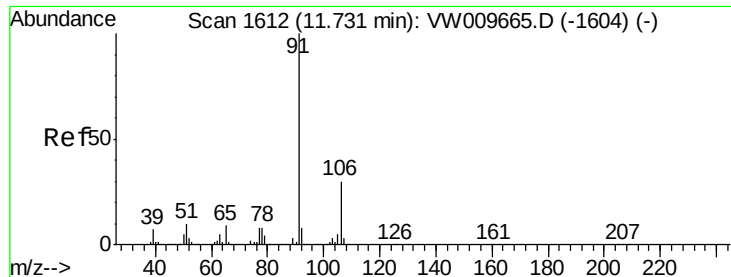
Ion Ratio Lower Upper

112 100

77 51.7 48.2 72.2

114 27.6 23.0 42.6





#53

Ethylbenzene

Concen: 0.767 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009680.D

Acq: 04 Apr 2019 02:43

Instrument :

MSVOA_W

ClientSampleId :

BF649

Tot Ion: 91 Resp: 16475

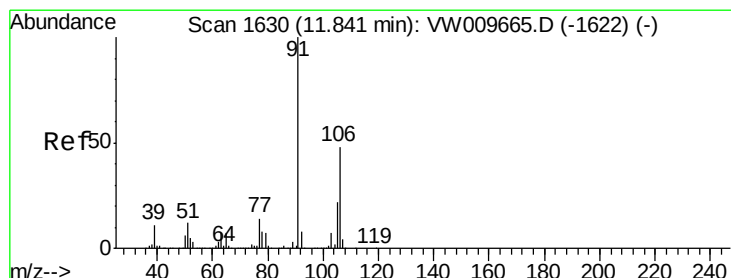
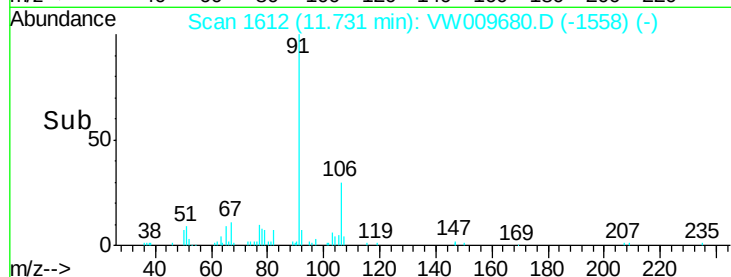
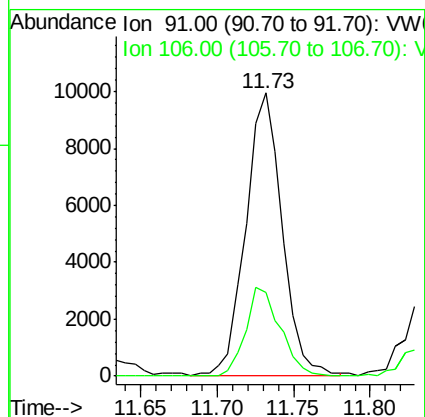
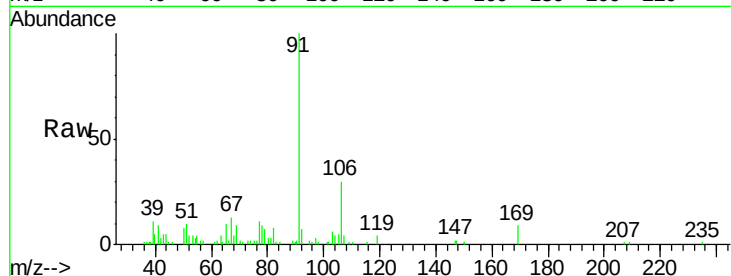
Ion Ratio Lower Upper

91 100

106 29.7 21.5 39.9

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#54

m,p-Xylene

Concen: 0.452 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009680.D

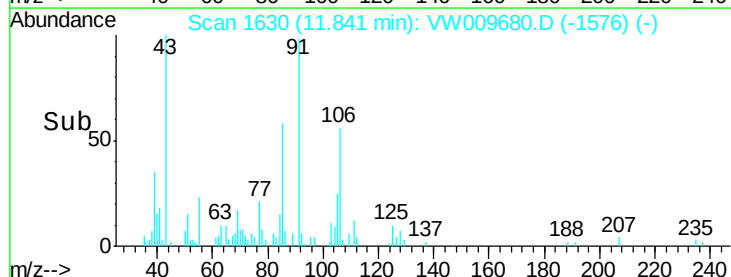
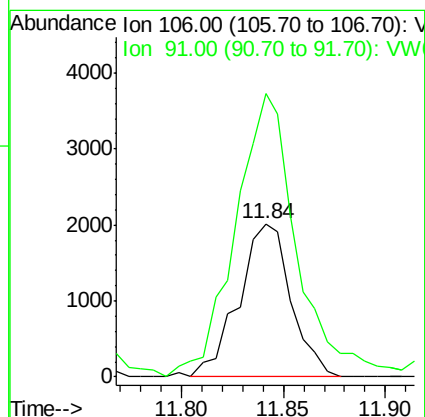
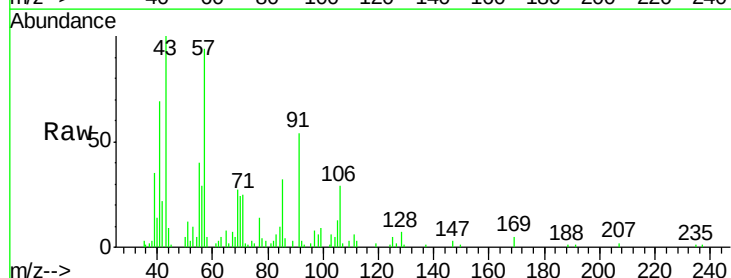
Acq: 04 Apr 2019 02:43

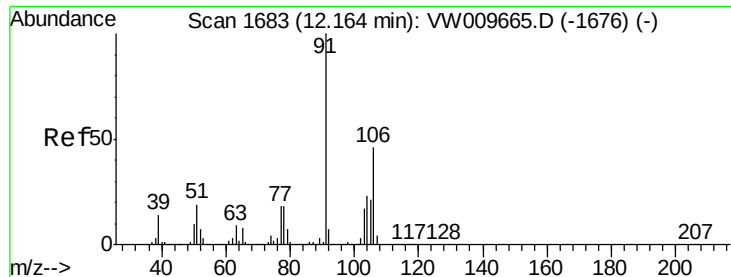
Tgt Ion:106 Resp: 3589

Ion Ratio Lower Upper

106 100

91 185.0 145.3 269.9





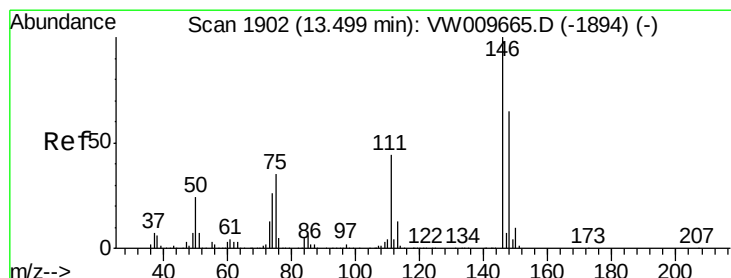
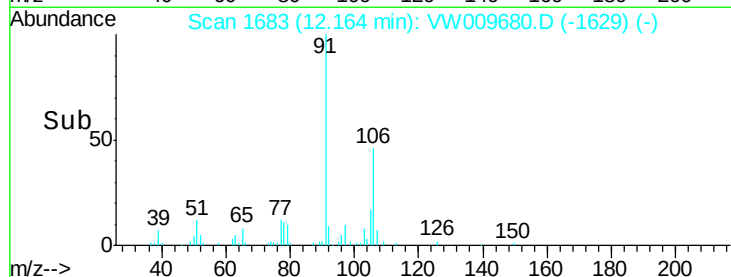
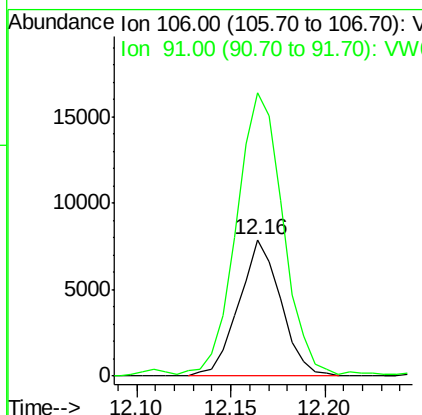
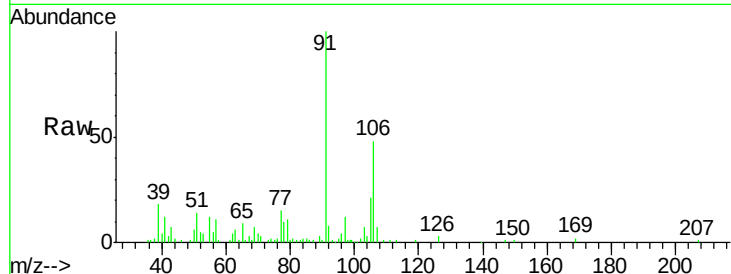
#55
o-xylene
Concen: 1.615 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009680.D
Acq: 04 Apr 2019 02:43

Instrument :
MSVOA_W
ClientSampled :
BF649

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.4	153.9	285.7

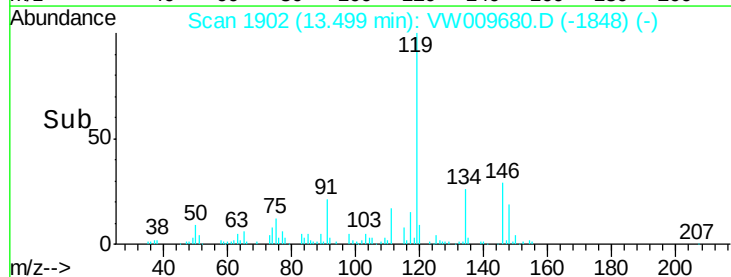
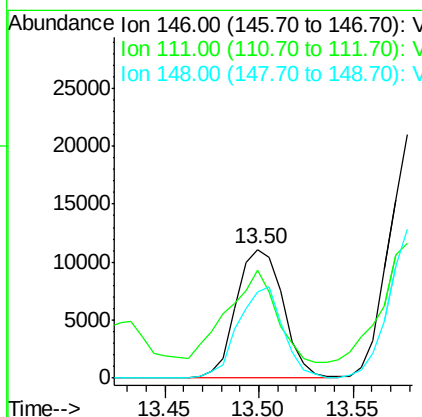
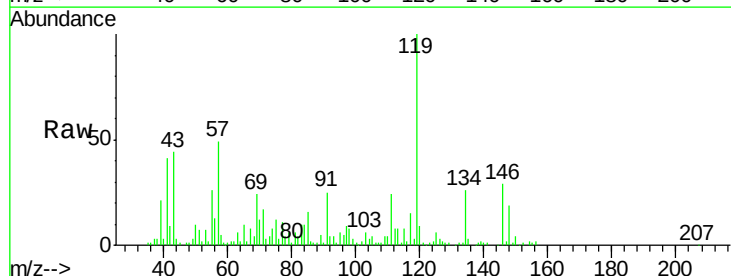
Manual Integrations
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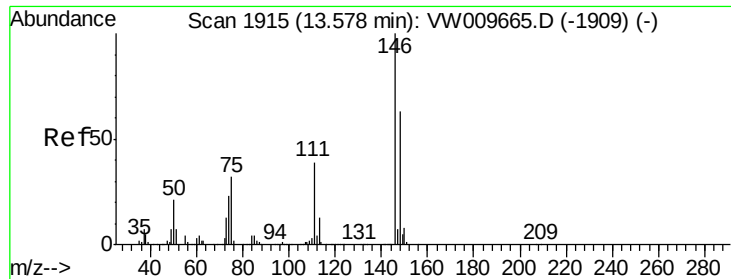
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#63
1,3-Dichlorobenzene
Concen: 3.533 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009680.D
Acq: 04 Apr 2019 02:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	83.4	28.1	52.3#
148	66.9	44.3	82.3





#64
 1,4-Dichlorobenzene
 Concen: 5.684 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009680.D
 Acq: 04 Apr 2019 02:43

Instrument :
 MSVOA_W
 ClientSampleId :
 BF649

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.5	27.4	50.8#
148	60.9	43.8	81.3

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