

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\
 Data File : VW005742.D
 Acq On : 01 Oct 2018 18:11
 Operator : SY/AP
 Sample : J5180-11
 Misc : 5.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JLC20

Quant Time: Oct 02 06:55:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 02 05:44:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	230298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	206127	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	82190	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	40388	13.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.04%
7) Chloroethane-d5	2.90	69	37045	16.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.68%
10) 1,1-Dichloroethene-d2	4.01	63	74128	11.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.24%
20) 2-Butanone-d5	7.08	46	46814	49.67	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.34%
24) Chloroform-d	7.65	84	128082	21.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	8.31	65	82049	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.60%
29) Benzene-d6	8.28	84	220460	21.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.44%
33) 1,2-Dichloropropane-d6	9.28	67	72647	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	10.33	98	203979	20.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.00%
38) trans-1,3-Dichloropropene-	10.58	79	32174	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.08%
39) 2-Hexanone-d5	10.93	63	35885	51.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	66192	23.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	63472	21.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.32%

Target Compounds

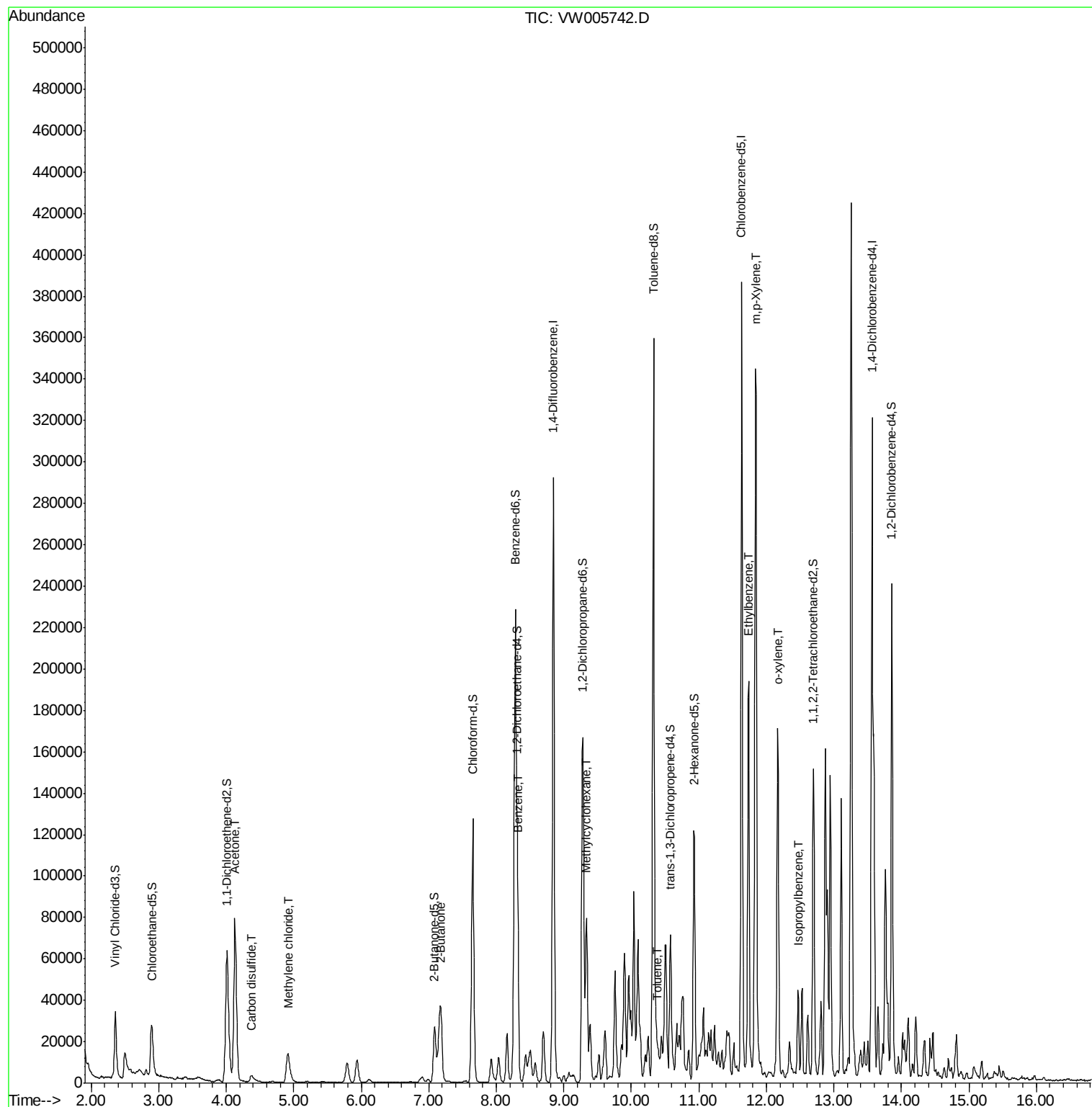
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	142240	144.922	ug/L	71
14) Carbon disulfide	4.37	76	7543	0.805	ug/L	95
16) Methylene chloride	4.91	84	12033	3.169	ug/L	98
21) 2-Butanone	7.18	43	45516	38.723	ug/L	99
34) Benzene	8.32	78	8432	0.724	ug/L	100
36) Methylcyclohexane	9.34	83	22161	4.090	ug/L #	71
44) Toluene	10.39	91	9264	0.712	ug/L	93
53) Ethylbenzene	11.74	91	123405	8.281	ug/L	100
54) m,p-Xylene	11.84	106	105765	18.838	ug/L	96
55) o-xylene	12.17	106	42227	7.980	ug/L	99
57) Isopropylbenzene	12.47	105	21231	1.405	ug/L	97

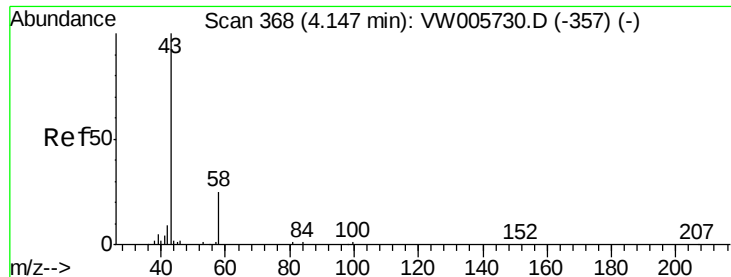
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 144.922 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

Instrument :

MSVOA_W

ClientSampled :

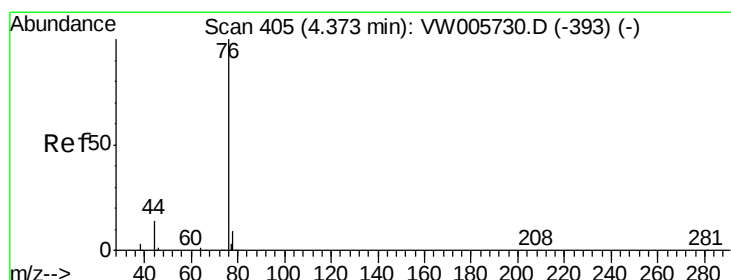
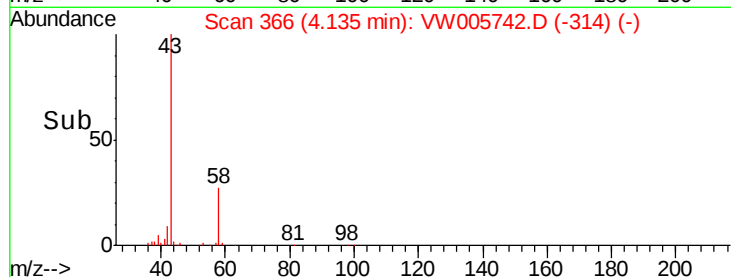
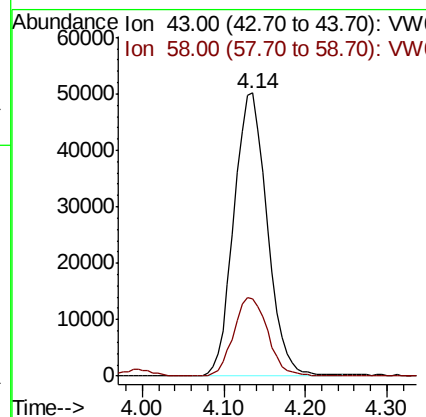
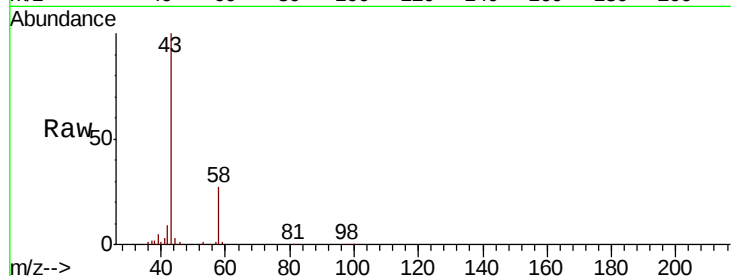
JLC20

Tot Ion: 43 Resp: 142240

Ion Ratio Lower Upper

43 100

58 28.4 0.0 31.8



#14

Carbon disulfide

Concen: 0.805 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW005742.D

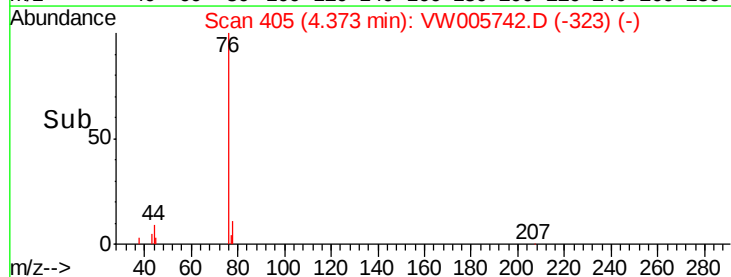
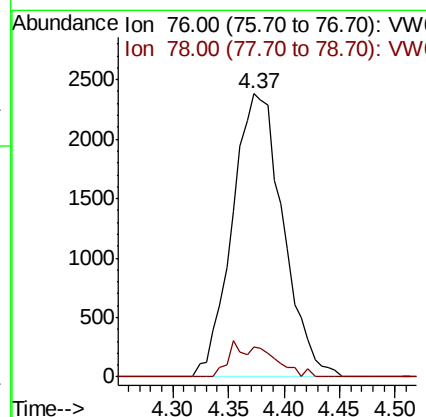
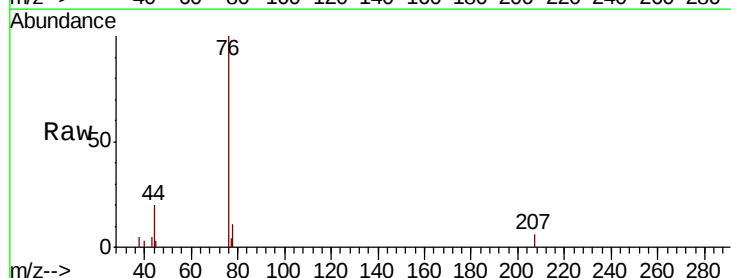
Acq: 01 Oct 2018 18:11

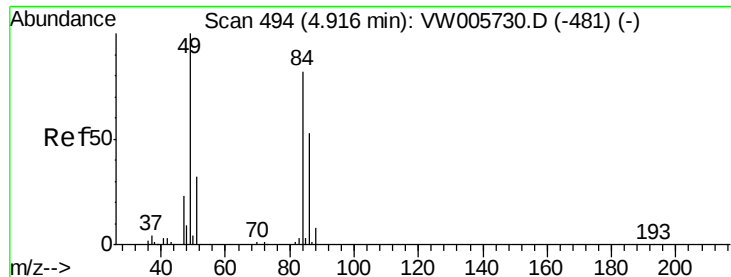
Tgt Ion: 76 Resp: 7543

Ion Ratio Lower Upper

76 100

78 10.7 7.1 10.7

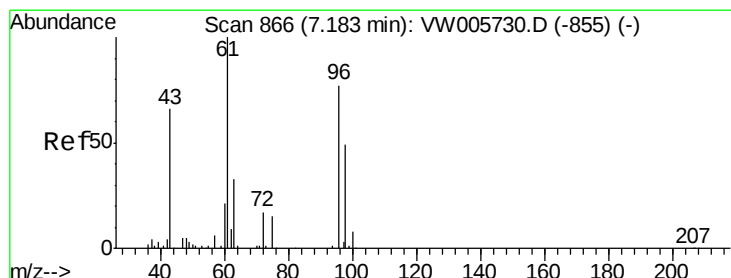
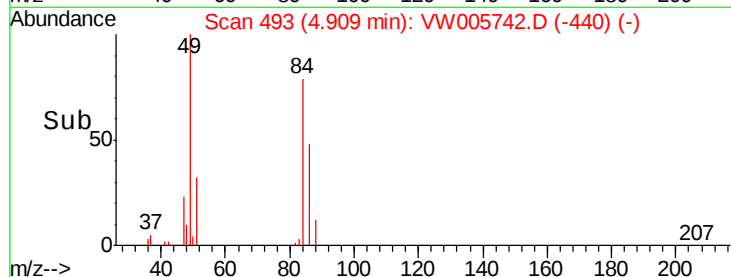
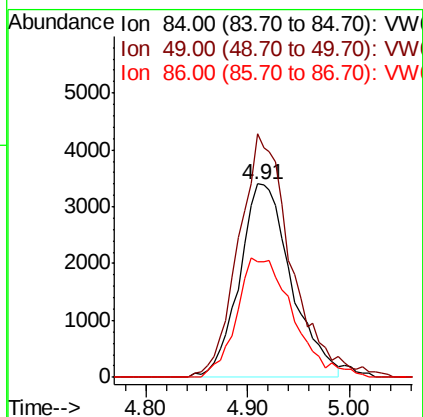
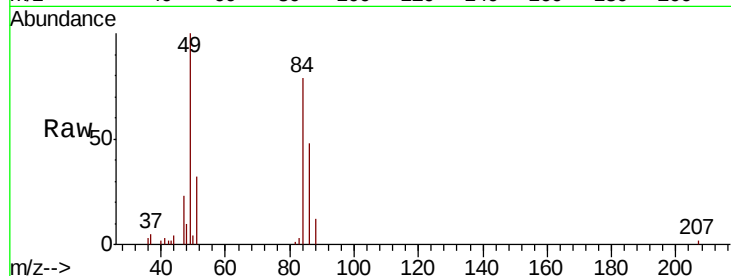




#16
Methylene chloride
Concen: 3.169 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

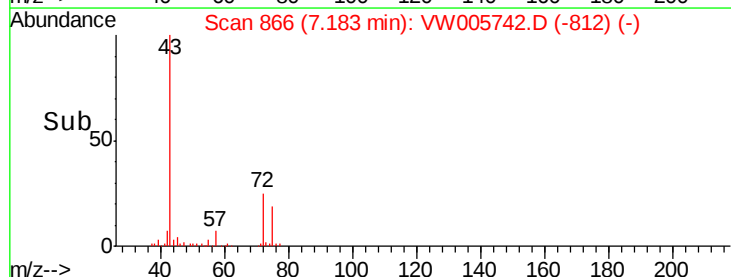
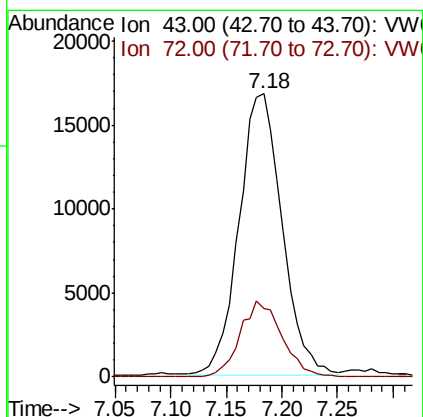
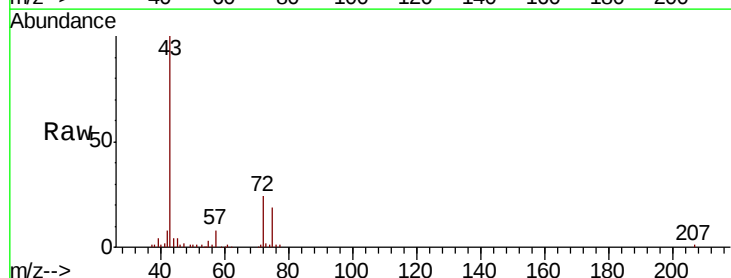
Instrument :
MSVOA_W
ClientSampled :
JLC20

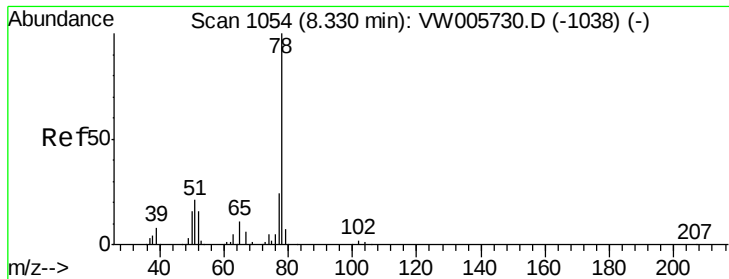
Tot Ion: 84 Resp: 12033
Ion Ratio Lower Upper
84 100
49 126.1 87.2 162.0
86 60.2 43.2 80.2



#21
2-Butanone
Concen: 38.723 ug/L
RT: 7.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

Tgt Ion: 43 Resp: 45516
Ion Ratio Lower Upper
43 100
72 26.1 13.2 39.6





#34

Benzene

Concen: 0.724 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

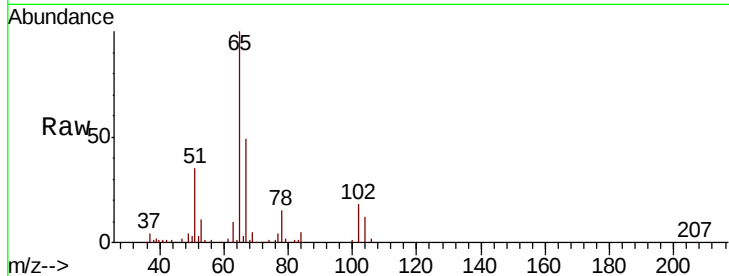
Instrument :

MSVOA_W

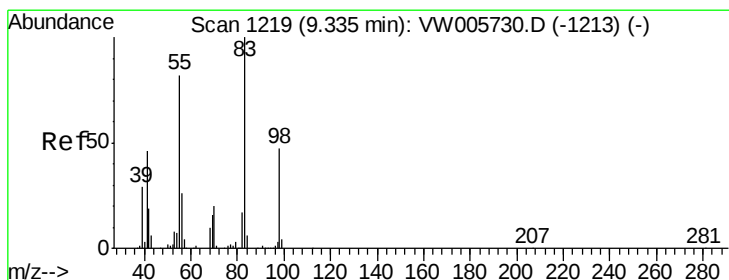
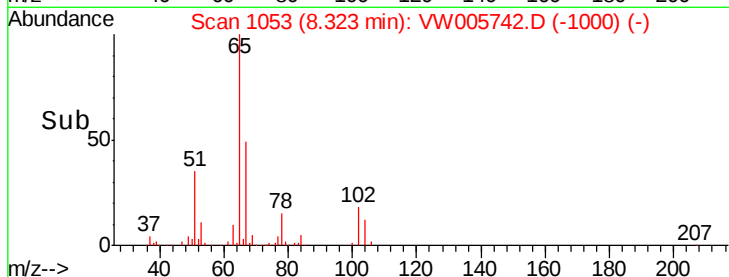
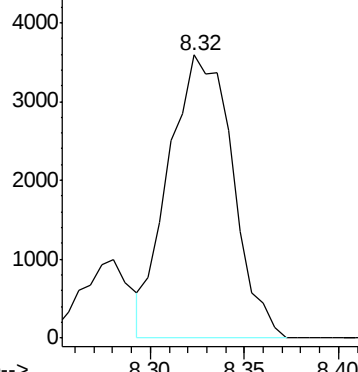
ClientSampled :

JLC20

Tgt Ion: 78 Resp: 8432



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 4.090 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

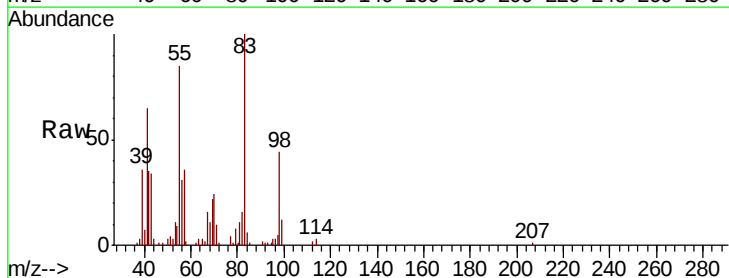
Tgt Ion: 83 Resp: 22161

Ion Ratio Lower Upper

83 100

55 116.8 62.5 93.7#

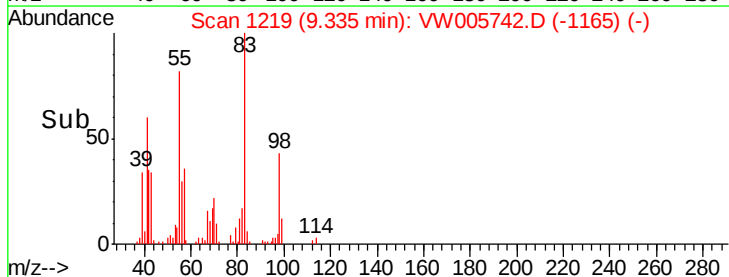
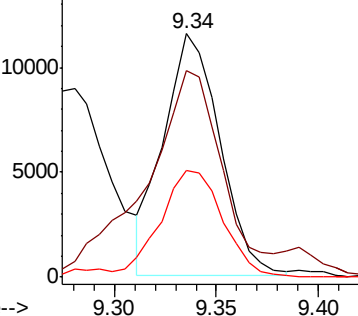
98 49.0 37.7 56.5

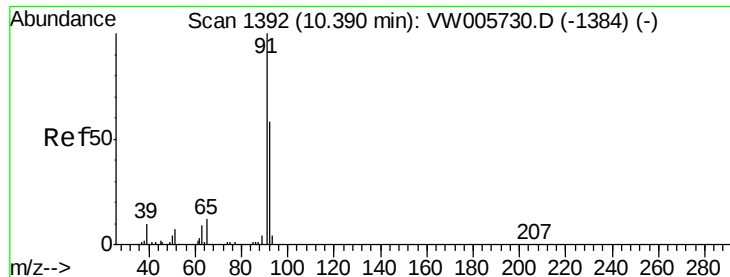


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Toluene

Concen: 0.712 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

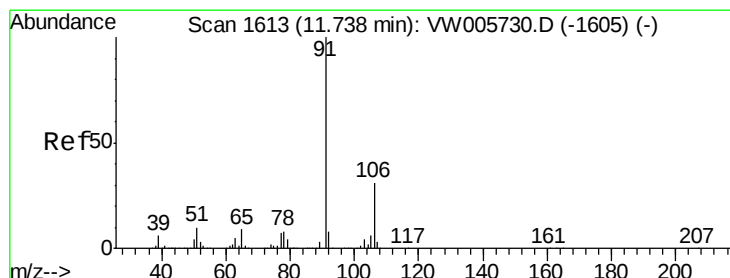
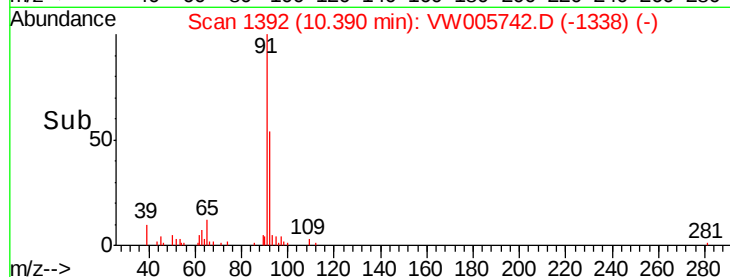
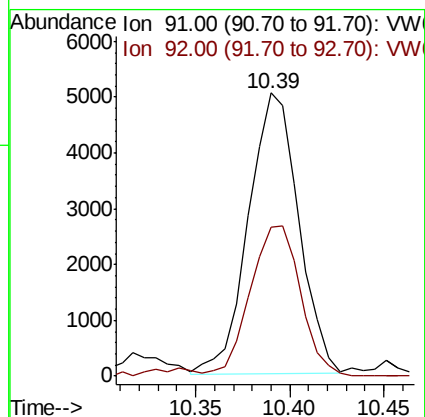
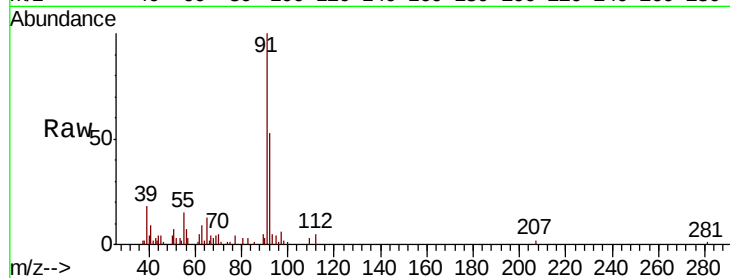
JLC20

Tot Ion: 91 Resp: 9264

Ion Ratio Lower Upper

91 100

92 52.7 40.7 75.5



#53

Ethylbenzene

Concen: 8.281 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005742.D

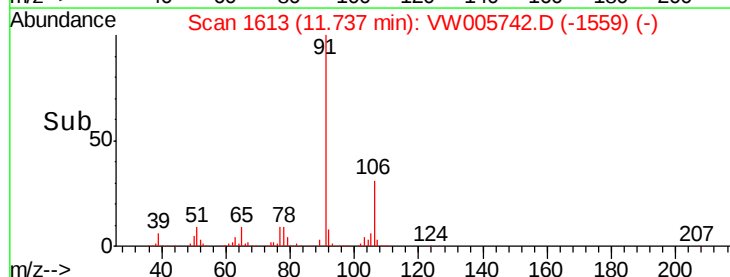
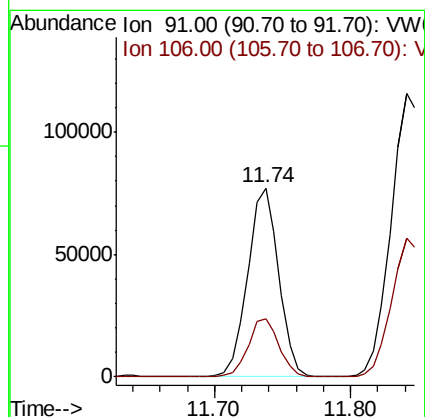
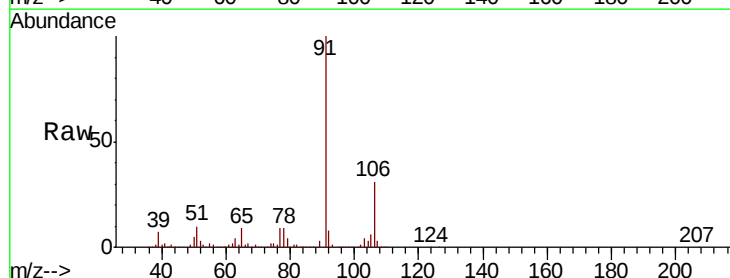
Acq: 01 Oct 2018 18:11

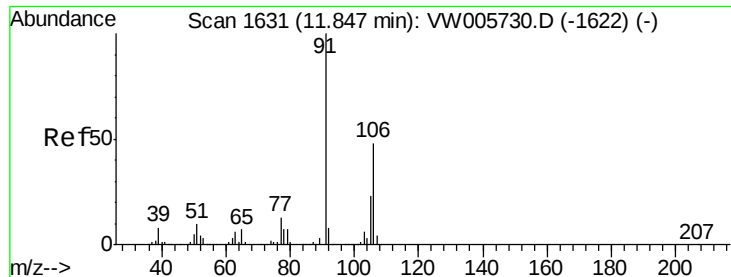
Tgt Ion: 91 Resp: 123405

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9





#54

m,p-Xylene

Concen: 18.838 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

Instrument :

MSVOA_W

ClientSampled :

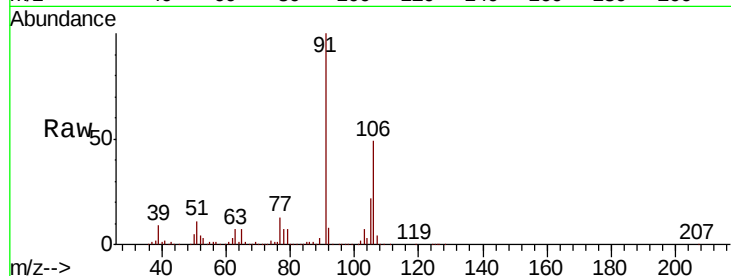
JLC20

Tot Ion:106 Resp: 105765

Ion Ratio Lower Upper

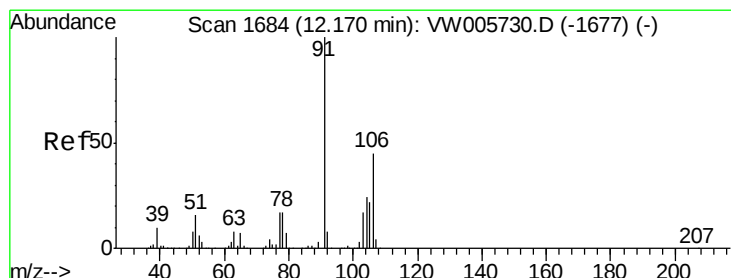
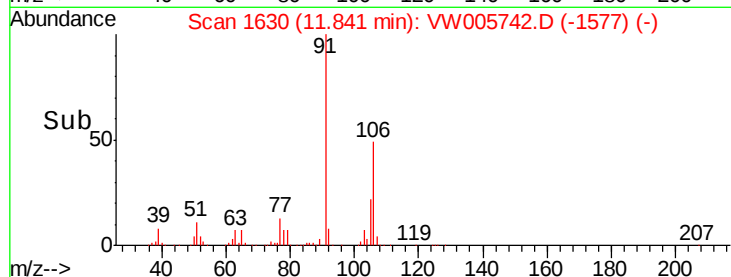
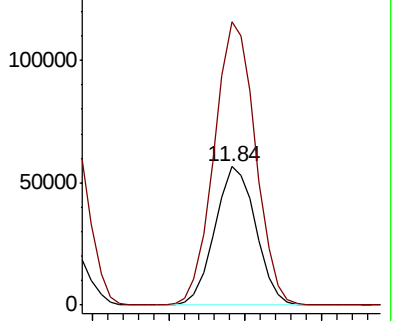
106 100

91 204.1 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 7.980 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW005742.D

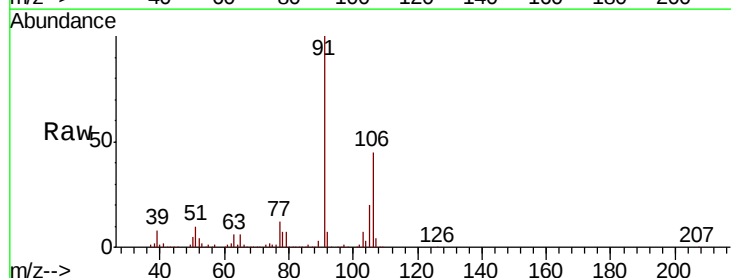
Acq: 01 Oct 2018 18:11

Tgt Ion:106 Resp: 42227

Ion Ratio Lower Upper

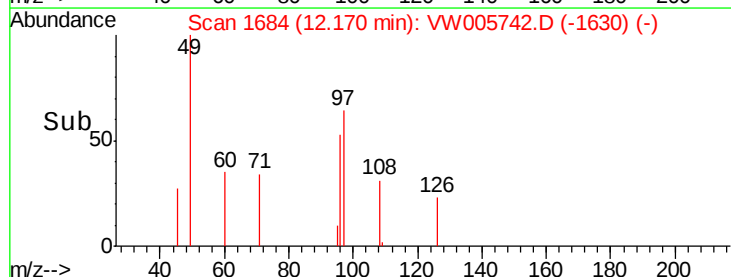
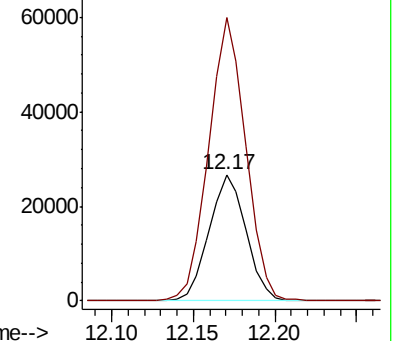
106 100

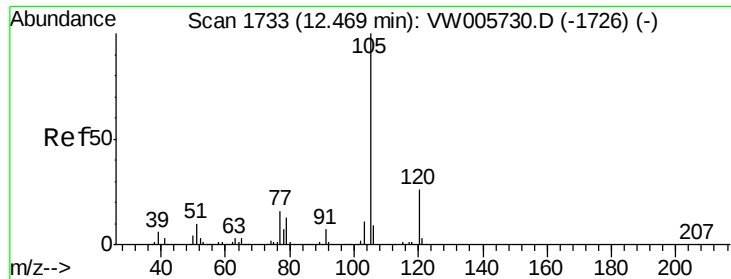
91 224.5 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 1.405 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005742.D

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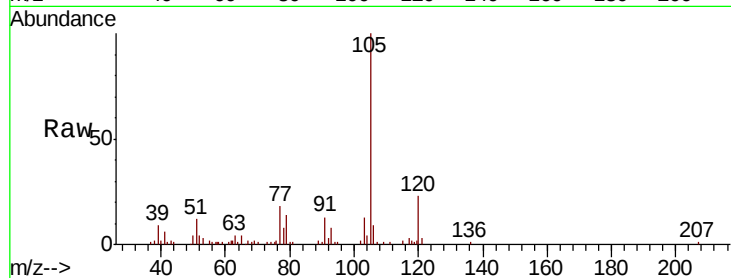
Tot Ion:105 Resp: 21231

Ion Ratio Lower Upper

105 100

120 26.7 20.7 31.1

77 19.0 13.0 19.6



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

