

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/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 05:45:51 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
30) Cyclohexane	7.92	56	3345	0.716	ug/L #	27
34) Benzene	8.32	78	8432	0.724	ug/L	100
36) Methylcyclohexane	9.34	83	22161	4.090	ug/L #	71
41) Bromodichloromethane	9.62	83	1762	0.442	ug/L #	26
44) Toluene	10.39	91	9264	0.712	ug/L	93
49) 2-Hexanone	10.93	43	9133	5.617	ug/L #	48
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
56) Styrene	12.17	104	3383	0.364	ug/L #	1
57) Isopropylbenzene	12.47	105	21231	1.405	ug/L	97
69) Naphthalene	15.38	128	3159	0.448	ug/L #	92

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/105ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 02 05:45:51 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

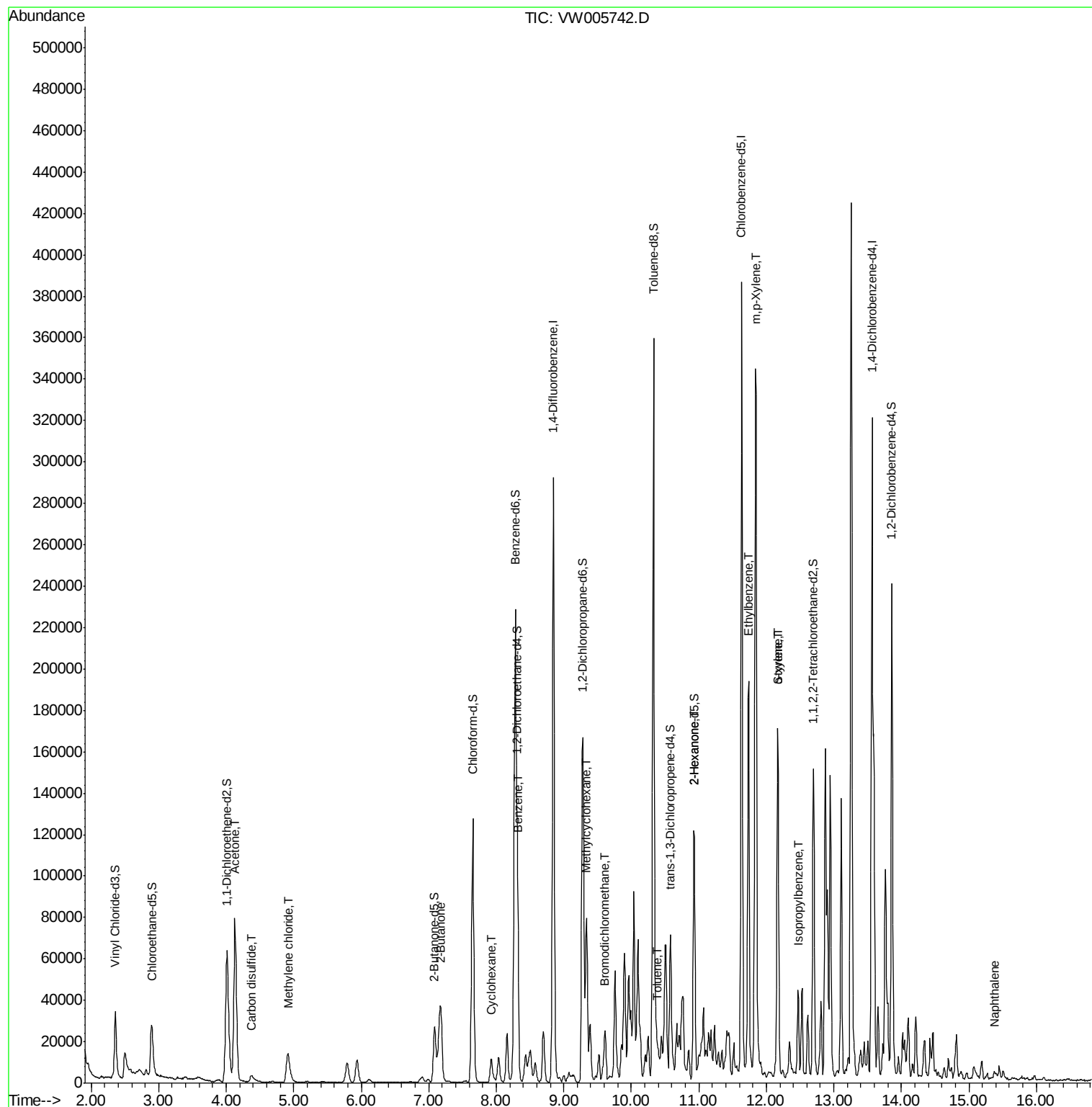
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

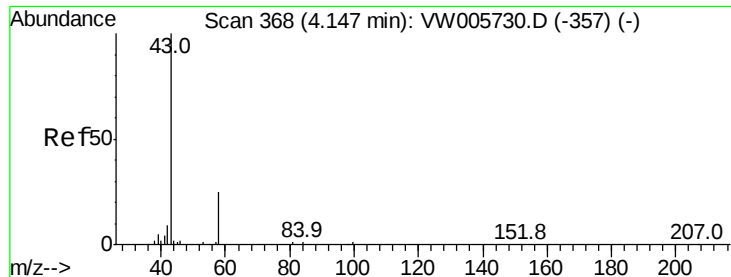
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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/105ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 02 05:45:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 02 05:44:23 2018
Response via : Initial Calibration





#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

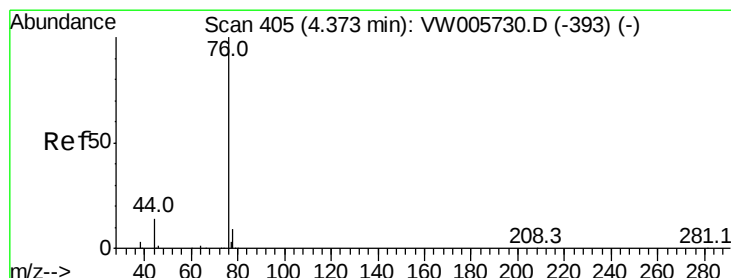
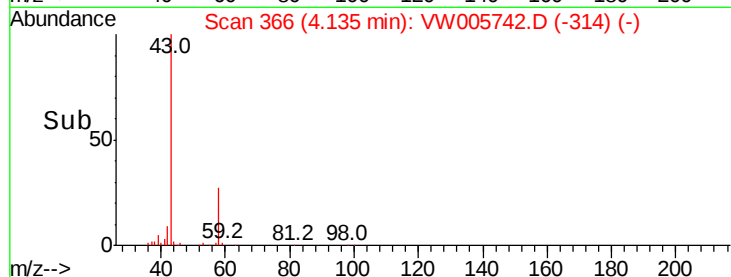
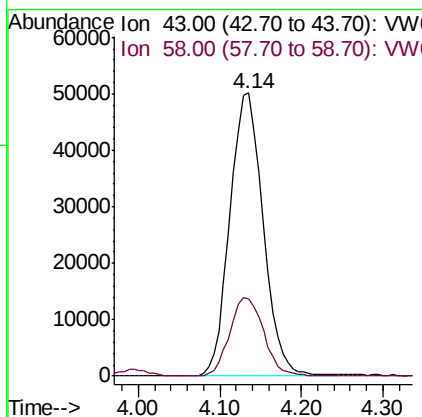
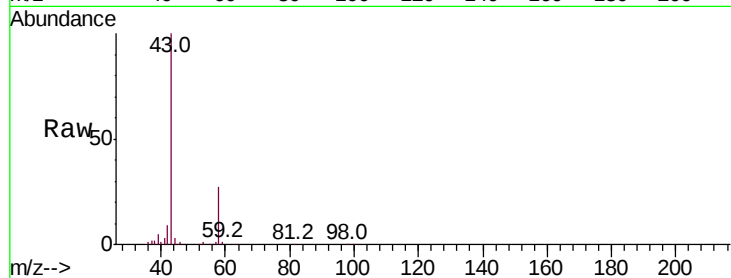
ClientSampled :

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

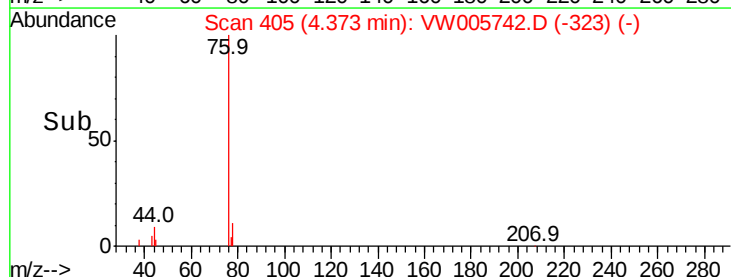
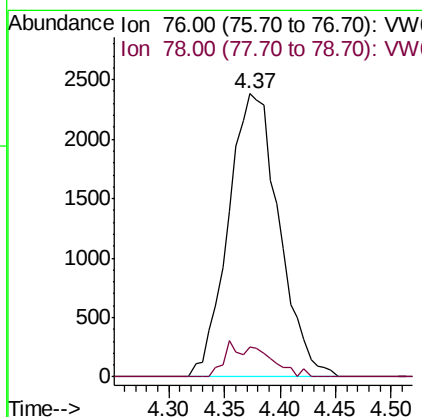
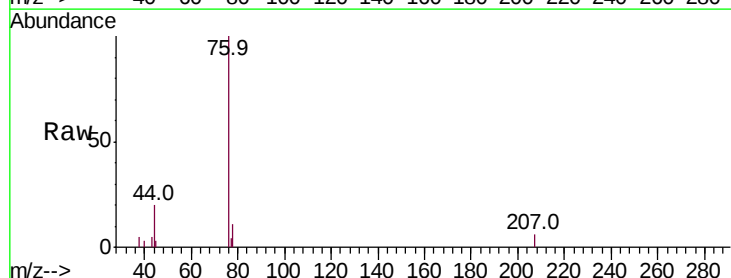
Acq: 01 Oct 2018 18:11

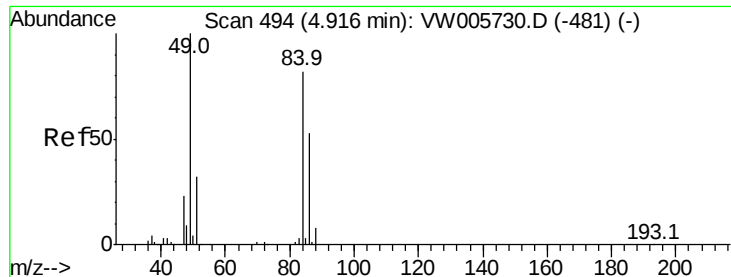
Tgt Ion: 76 Resp: 7543

Ion Ratio Lower Upper

76 100

78 10.7 7.1 10.7

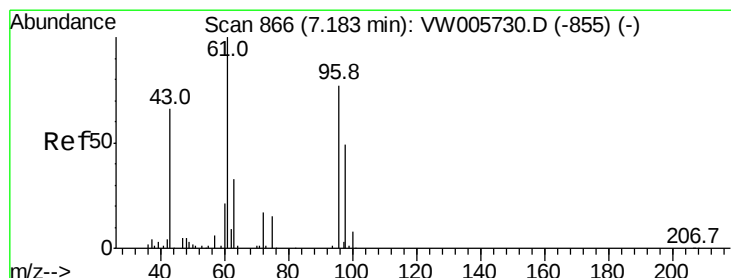
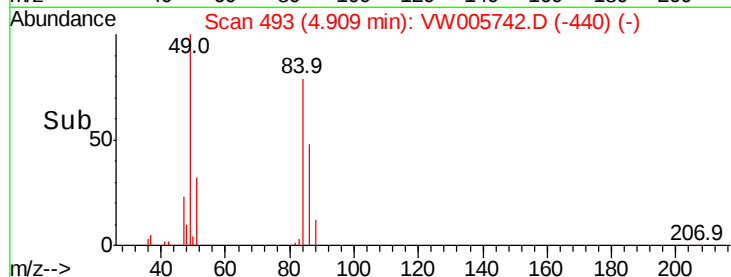
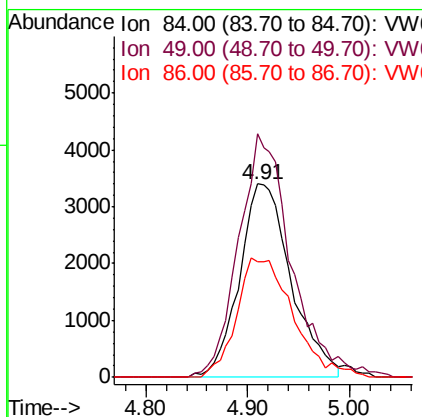
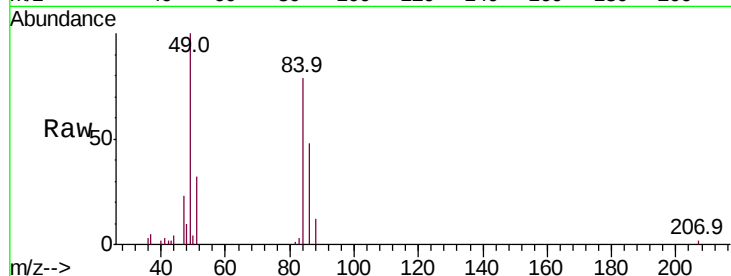




#16
Methylene chloride
Concen: 3.169 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

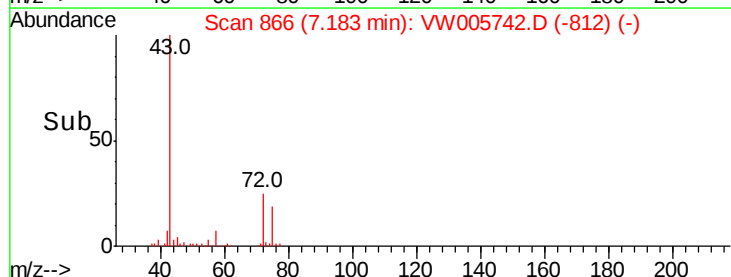
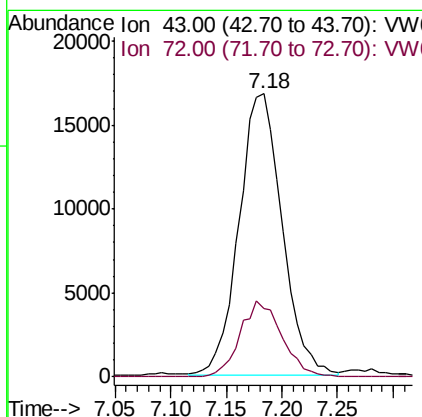
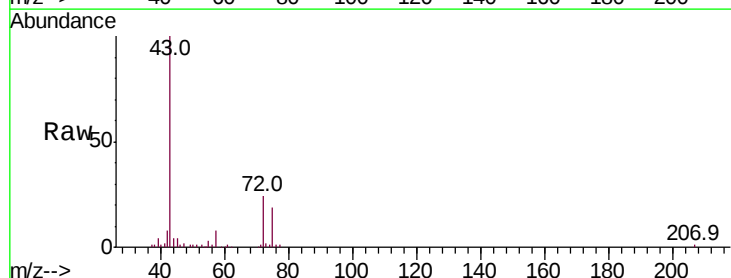
Instrument :
MSVOA_W
ClientSampled :

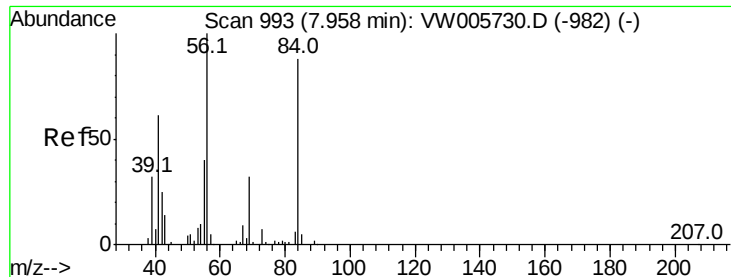
Tot Ion: 84 Resp: 12033
Ion Ratio Lower Upper
84 100
49 126.1 87.2 162.0
86 60.2 43.2 80.2



#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

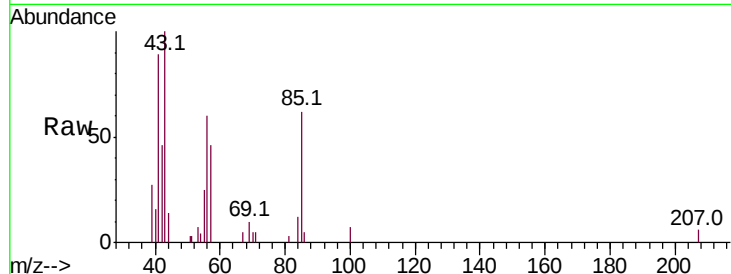




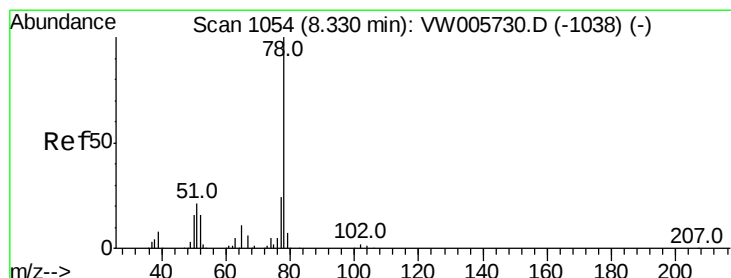
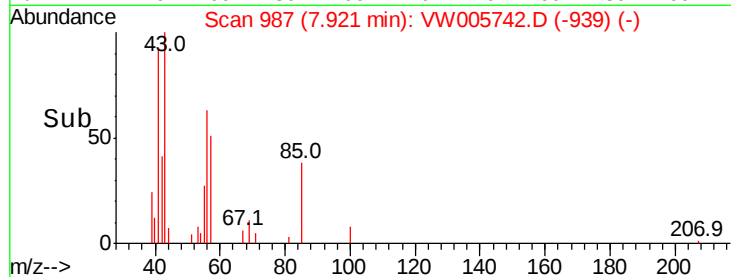
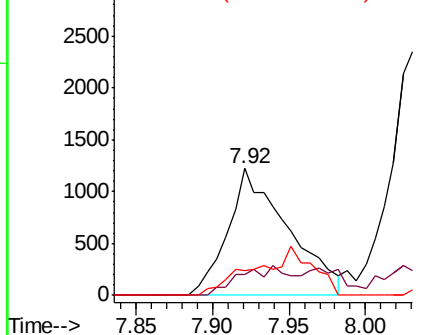
#30
Cyclohexane
Concen: 0.716 ug/L
RT: 7.92 min Scan# 987
Delta R.T. -0.04 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 3345
Ion Ratio Lower Upper
56 100
69 10.7 25.0 37.6#
84 8.6 70.2 105.2#

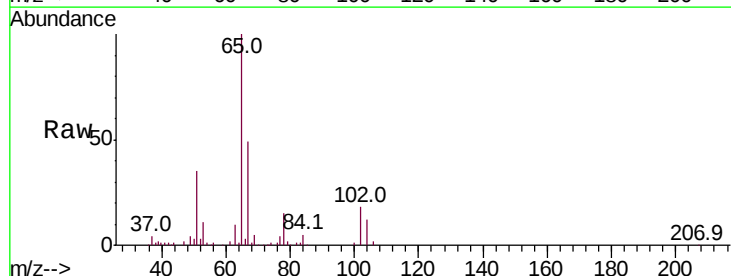


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

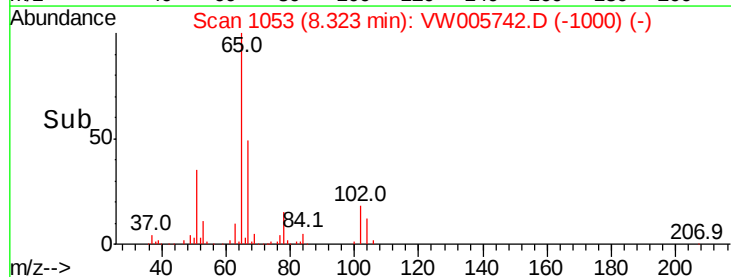
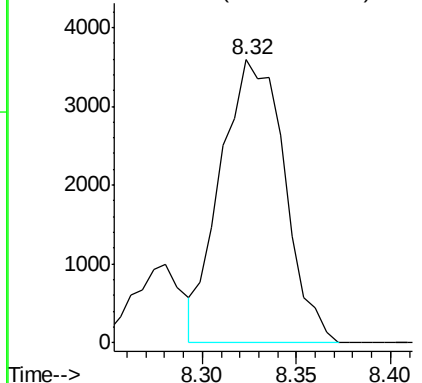


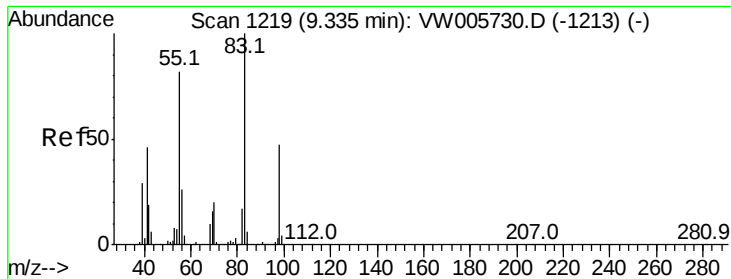
#34
Benzene
Concen: 0.724 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

Tgt Ion: 78 Resp: 8432



Abundance Ion 78.00 (77.70 to 78.70): VW

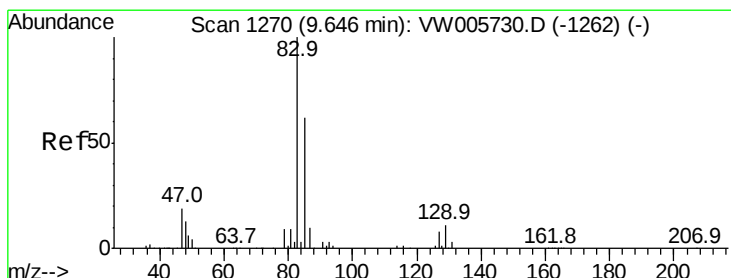
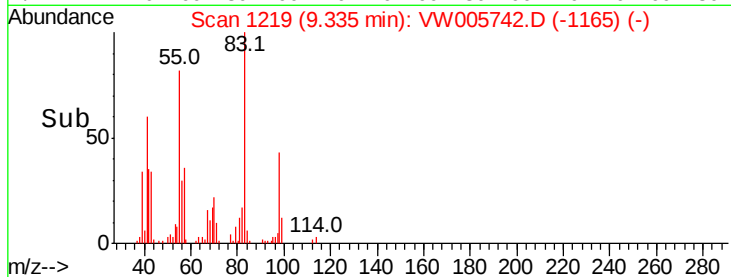
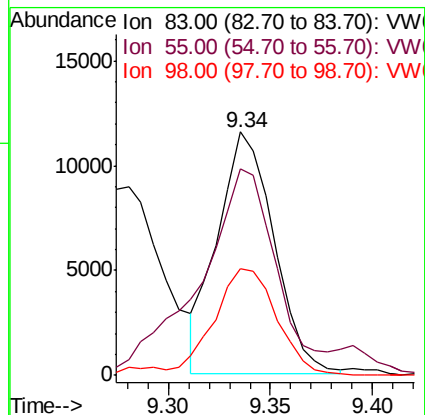
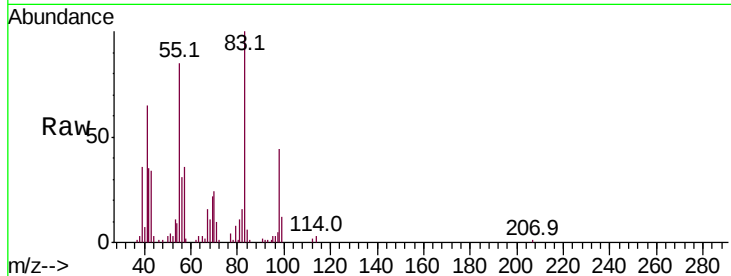




#36
Methylcyclohexane
Concen: 4.090 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

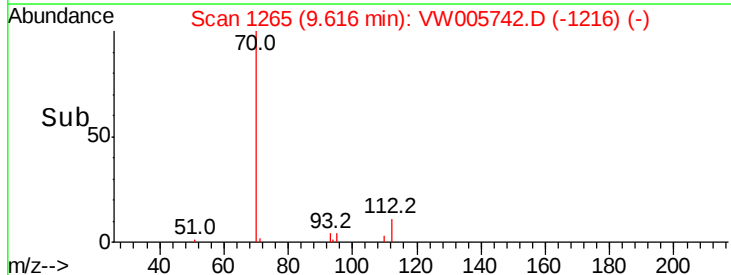
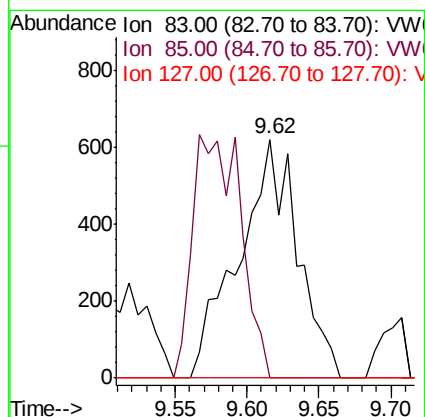
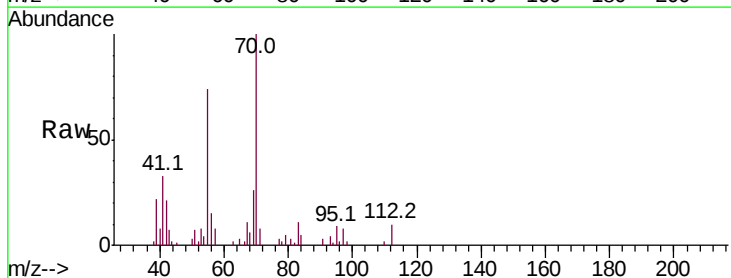
Instrument :
MSVOA_W
ClientSampled :

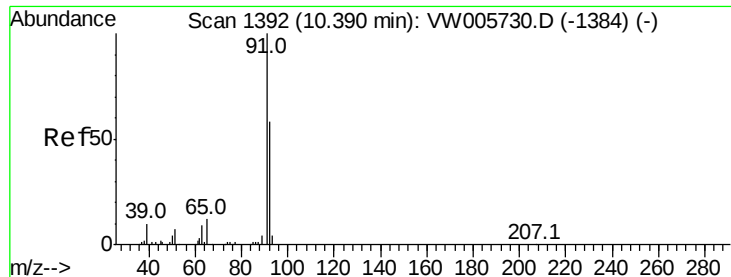
Tot Ion: 83 Resp: 22161
Ion Ratio Lower Upper
83 100
55 116.8 62.5 93.7#
98 49.0 37.7 56.5



#41
Bromodichloromethane
Concen: 0.442 ug/L
RT: 9.62 min Scan# 1265
Delta R.T. -0.03 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

Tgt Ion: 83 Resp: 1762
Ion Ratio Lower Upper
83 100
85 0.0 44.1 81.9#
127 0.0 7.5 11.3#





#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

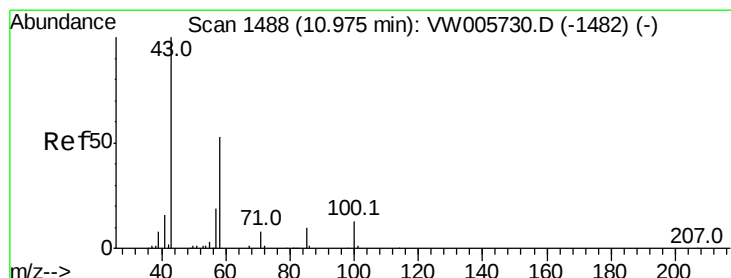
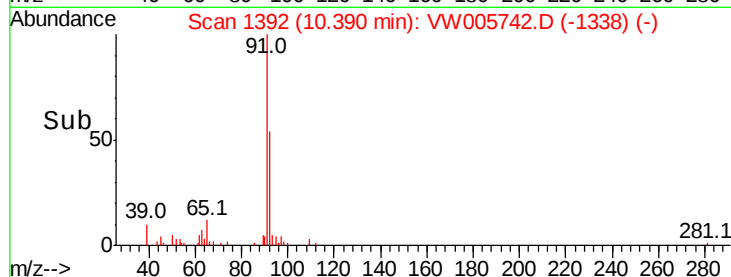
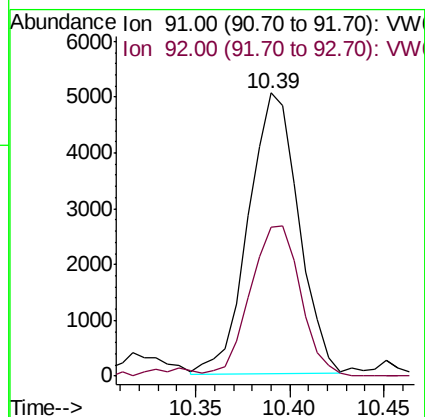
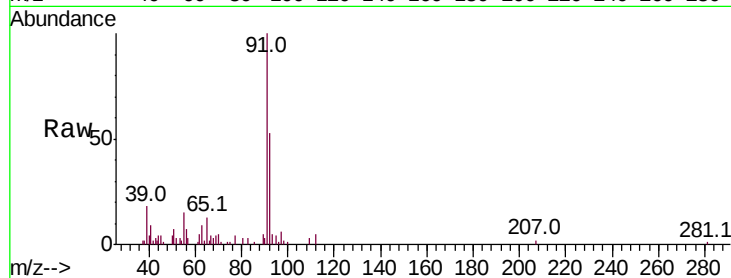
ClientSampled :

Tot Ion: 91 Resp: 9264

Ion Ratio Lower Upper

91 100

92 52.7 40.7 75.5



#49

2-Hexanone

Concen: 5.617 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

Tgt Ion: 43 Resp: 9133

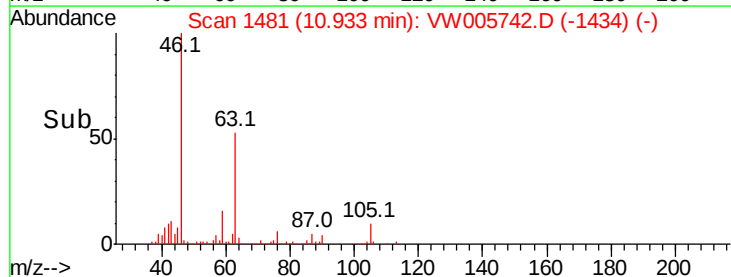
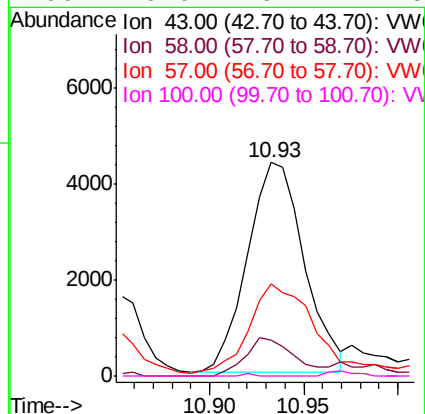
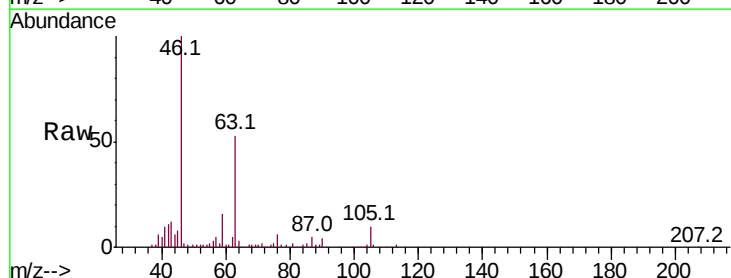
Ion Ratio Lower Upper

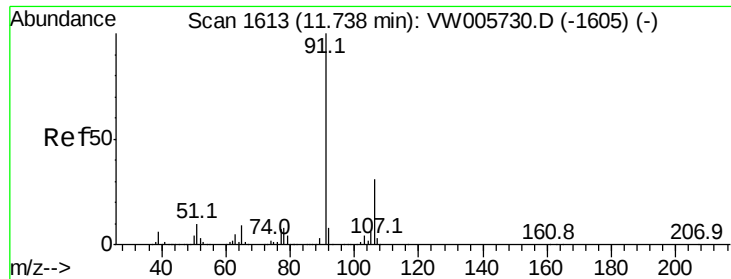
43 100

58 16.2 42.0 63.0#

57 49.1 15.7 23.5#

100 0.0 9.7 14.5#

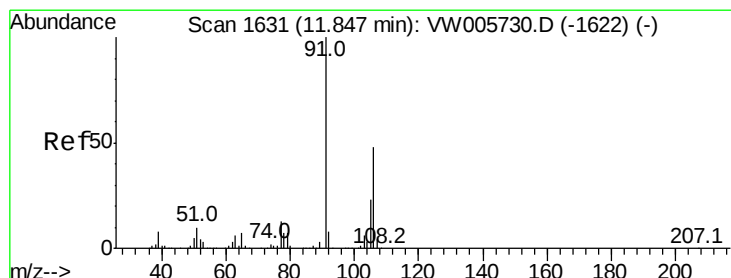
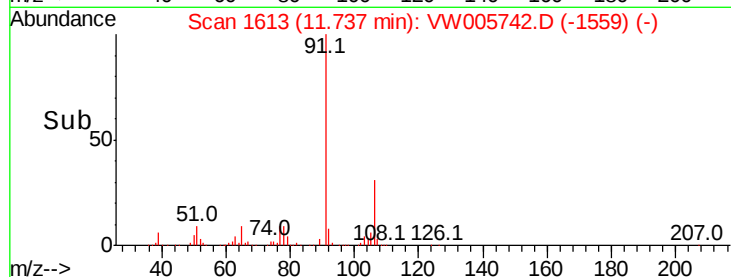
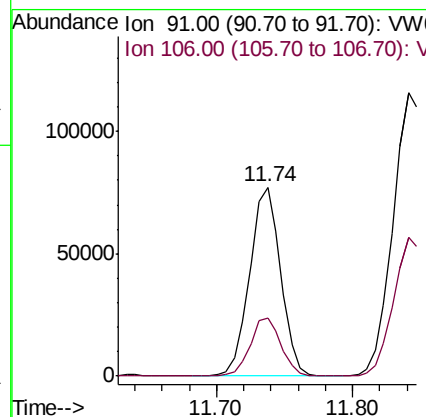
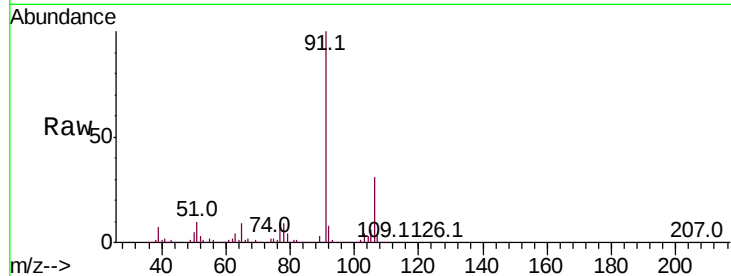




#53
Ethylbenzene
Concen: 8.281 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005742.D
Acq: 01 Oct 2018 18:11

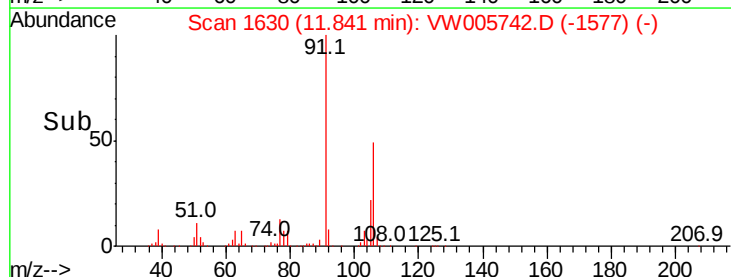
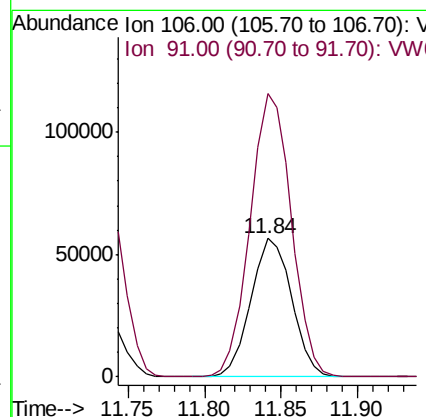
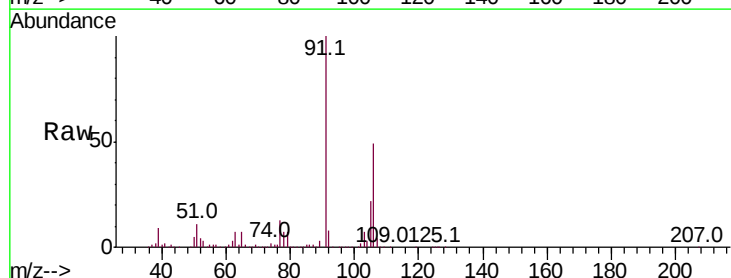
Instrument :
MSVOA_W
ClientSampled :

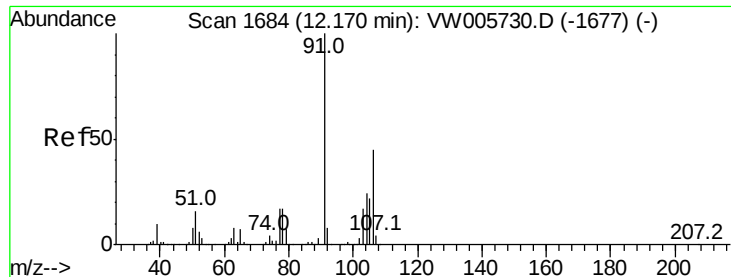
Tot Ion: 91 Resp: 123405
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#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

Tgt Ion: 106 Resp: 105765
Ion Ratio Lower Upper
106 100
91 204.1 147.7 274.3





#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

Instrument :

MSVOA_W

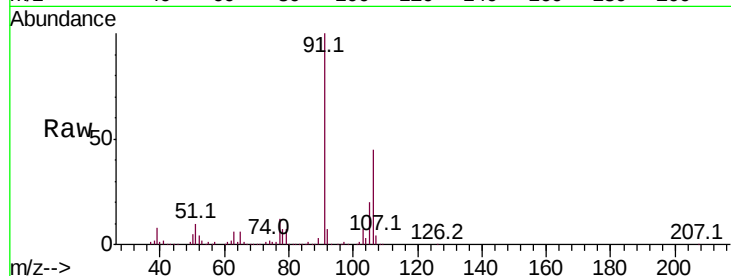
ClientSampleId :

Tot Ion:106 Resp: 42227

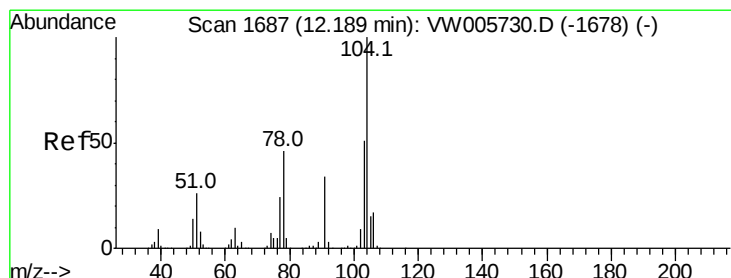
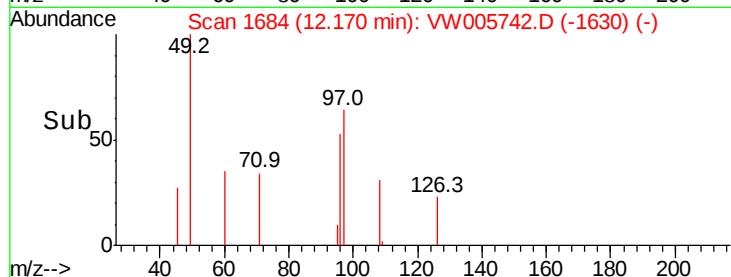
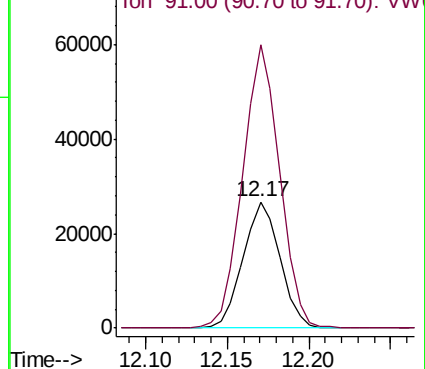
Ion Ratio Lower Upper

106 100

91 224.5 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 0.364 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.02 min

Lab File: VW005742.D

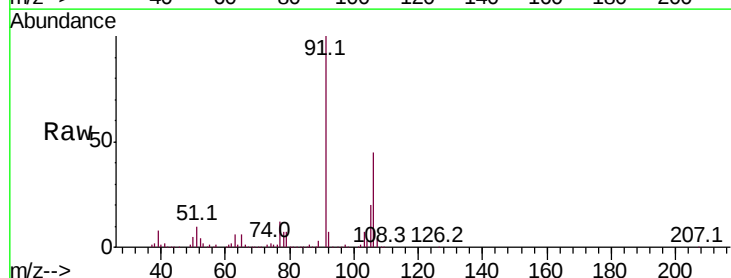
Acq: 01 Oct 2018 18:11

Tgt Ion:104 Resp: 3383

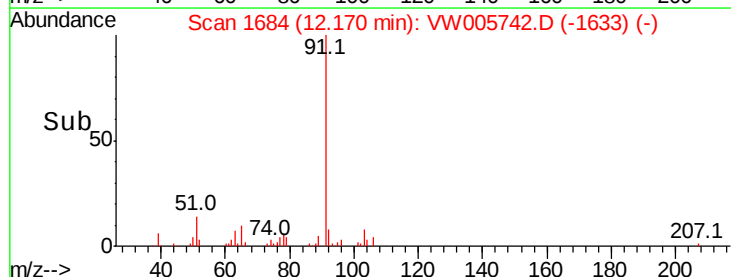
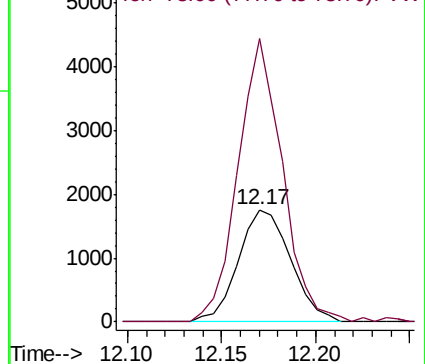
Ion Ratio Lower Upper

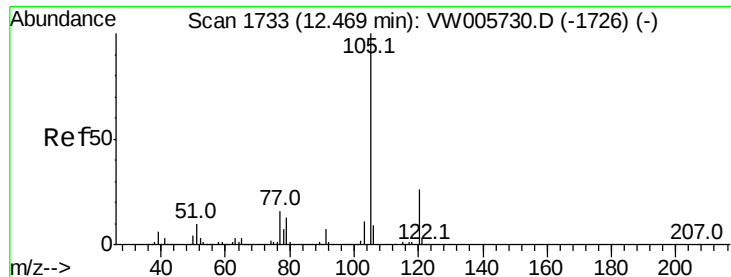
104 100

78 251.6 32.2 59.8#



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 1.405 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

Instrument :

MSVOA_W

ClientSampleId :

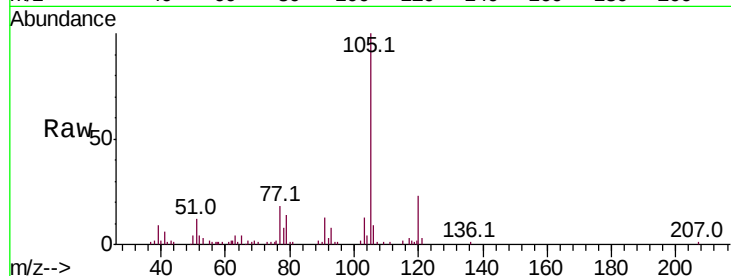
Tot Ion:105 Resp: 21231

Ion Ratio Lower Upper

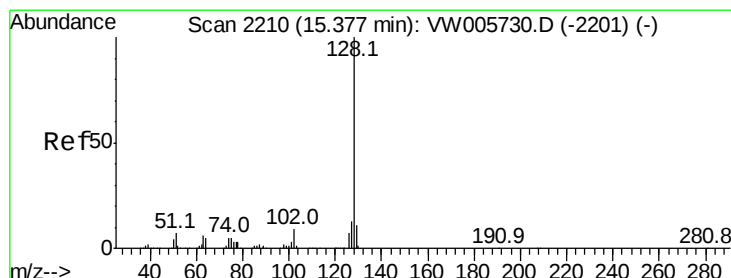
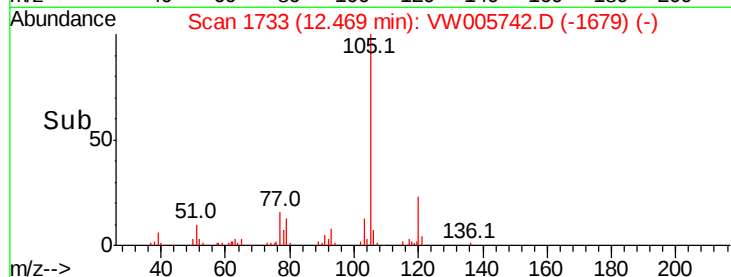
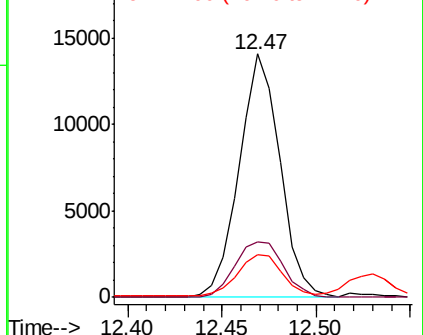
105 100

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): V



#69

Naphthalene

Concen: 0.448 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005742.D

Acq: 01 Oct 2018 18:11

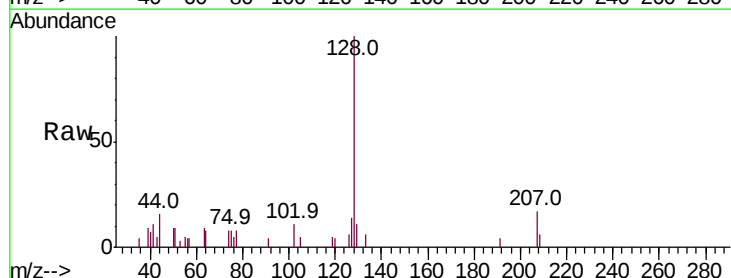
Tgt Ion:128 Resp: 3159

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

127 9.0 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

