

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006240.D
 Acq On : 19 Oct 2018 21:47
 Operator : VA/AP
 Sample : J5604-01RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MS-VB-29736-BOX-2RE

Quant Time: Oct 20 03:39:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	282976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	94212	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
35) Dibromofluoromethane	7.89	113	86849	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.33	98	279052	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	
62) 4-Bromofluorobenzene	12.62	95	77482	32.43	ug/l	0.00
Spiked Amount			Recovery	=	64.86%	

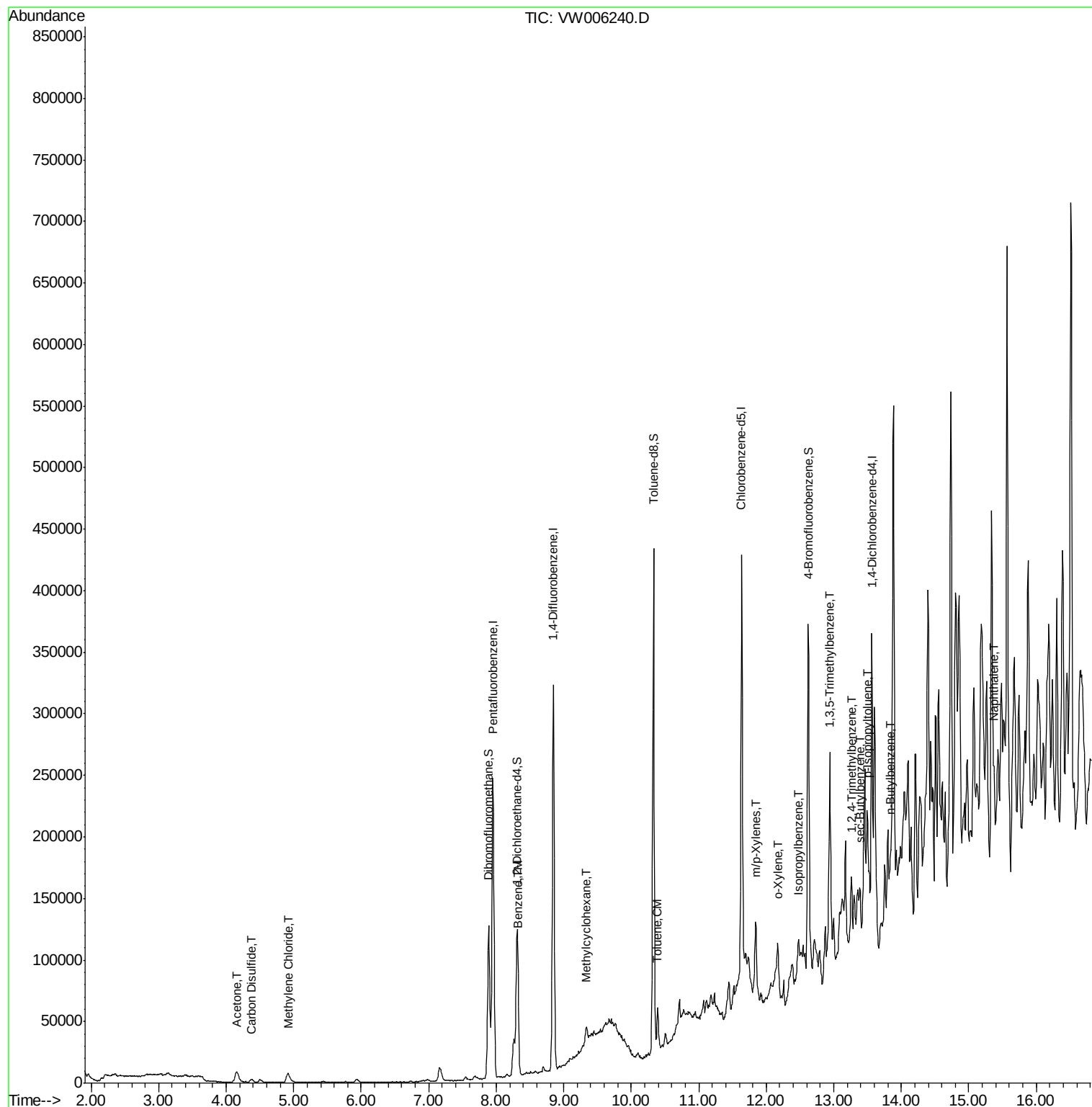
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	20050	55.083	ug/l	99
17) Carbon Disulfide	4.37	76	5386	1.104	ug/l	97
20) Methylene Chloride	4.92	84	5980	1.959	ug/l	90
39) Methylcyclohexane	9.34	83	8607	2.482	ug/l	94
40) Benzene	8.33	78	8637	1.207	ug/l	98
52) Toluene	10.39	92	15047	3.137	ug/l	97
68) m/p-Xylenes	11.84	106	12680	4.372	ug/l	98
69) o-Xylene	12.17	106	10859	3.929	ug/l	84
73) Isopropylbenzene	12.47	105	7879	1.794	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	20317	5.489	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	37250	9.945	ug/l	98
85) sec-Butylbenzene	13.39	105	10299	2.201	ug/l #	74
86) p-Isopropyltoluene	13.51	119	22641	5.350	ug/l	95
89) n-Butylbenzene	13.83	91	9708	2.508	ug/l #	71
95) Naphthalene	15.38	128	37804	15.470	ug/l	98

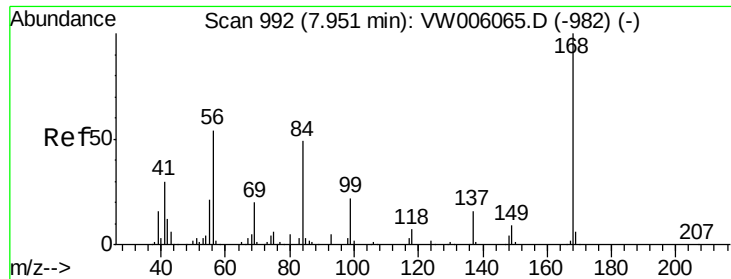
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

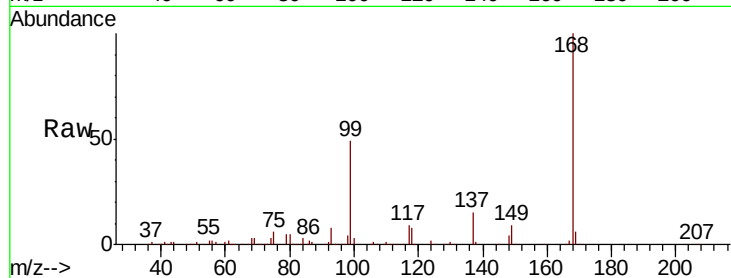
MS-VB-29736-BOX-2RE

Tot Ion:168 Resp: 193485

Ion Ratio Lower Upper

168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

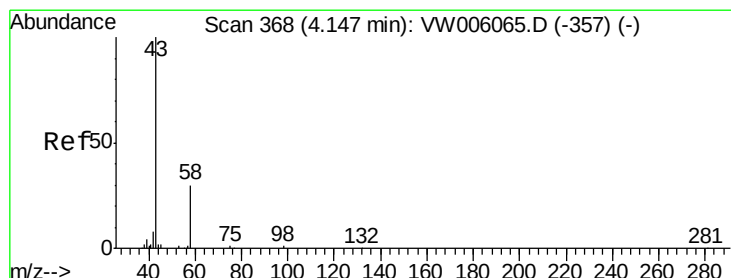
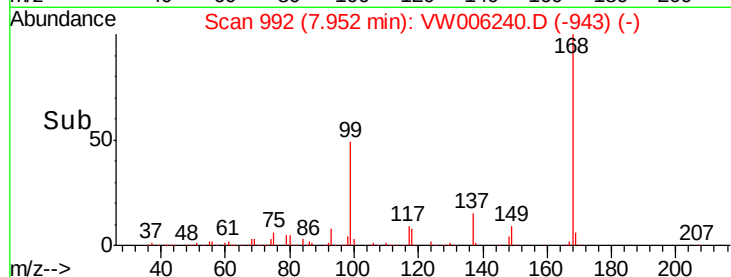
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 55.083 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006240.D

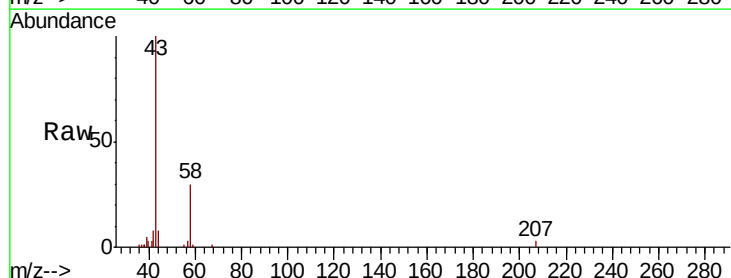
Acq: 19 Oct 2018 21:47

Tgt Ion: 43 Resp: 20050

Ion Ratio Lower Upper

43 100

58 30.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

6000

5000

4000

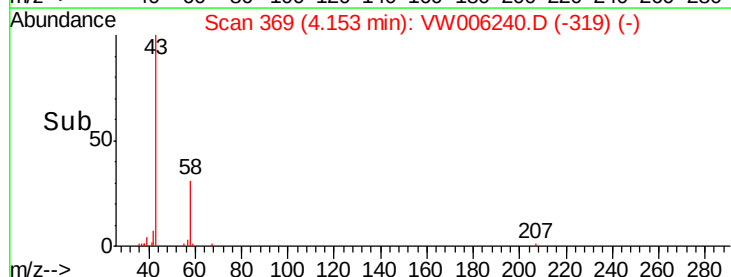
3000

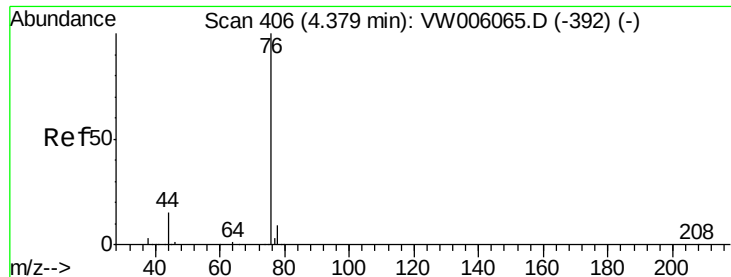
2000

1000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 1.104 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

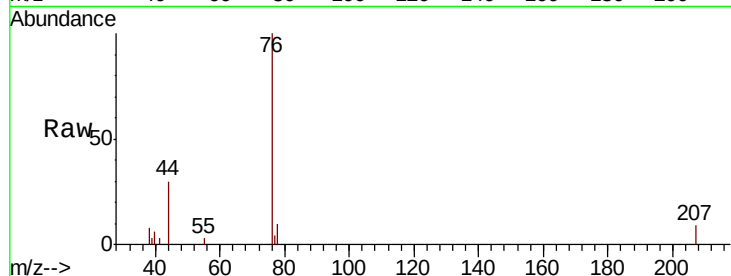
MS-VB-29736-BOX-2RE

Tot Ion: 76 Resp: 5386

Ion Ratio Lower Upper

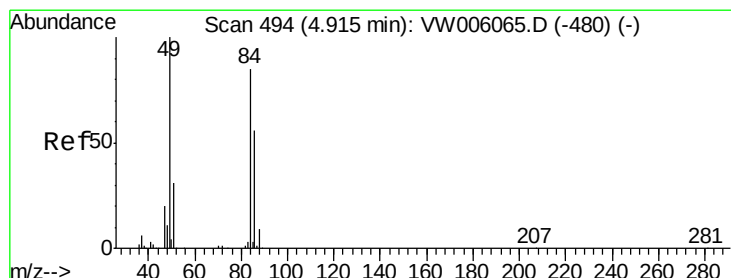
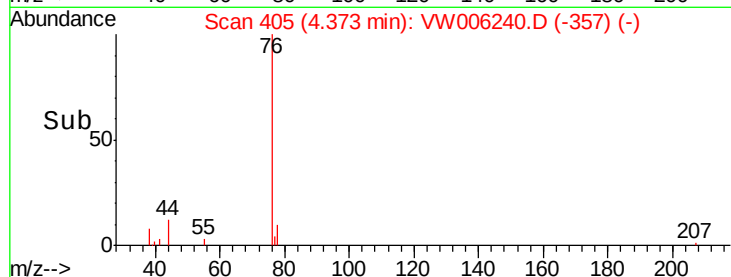
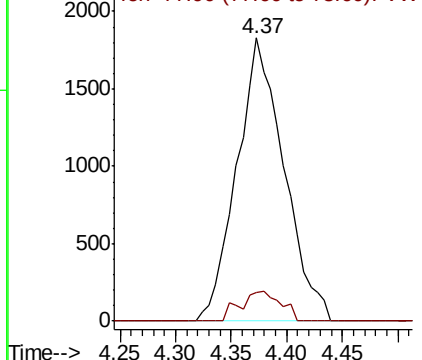
76 100

78 10.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 1.959 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Tgt Ion: 84 Resp: 5980

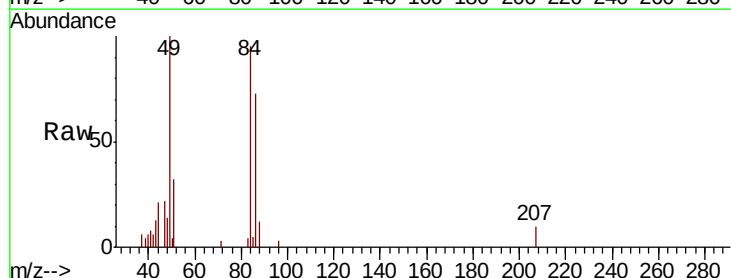
Ion Ratio Lower Upper

84 100

49 105.7 93.6 140.4

51 34.1 29.0 43.4

86 77.3 52.6 79.0

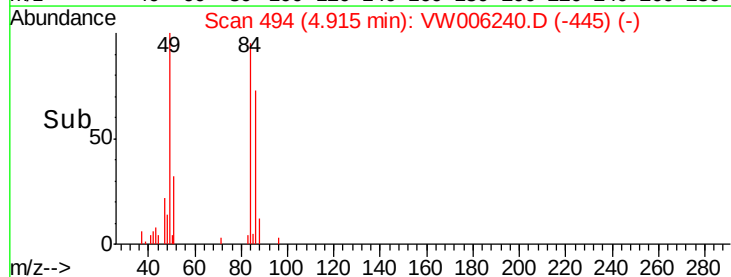
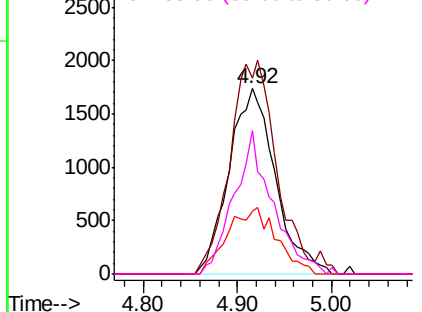


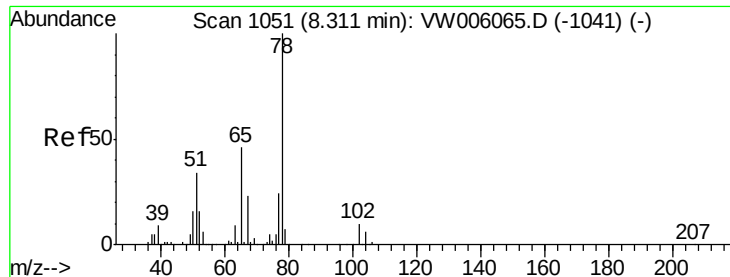
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

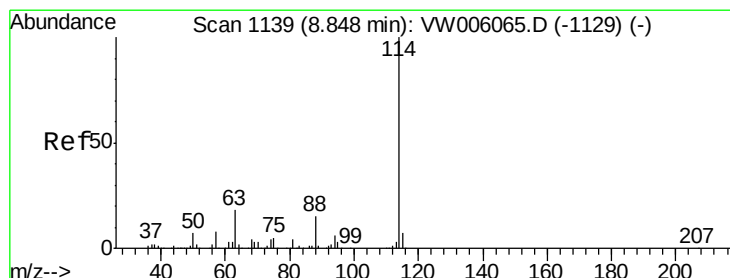
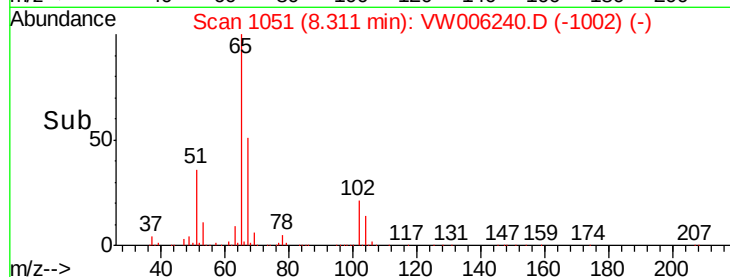
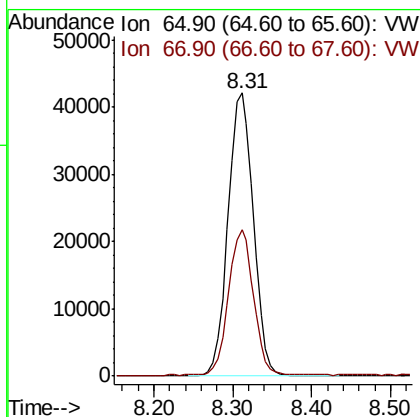
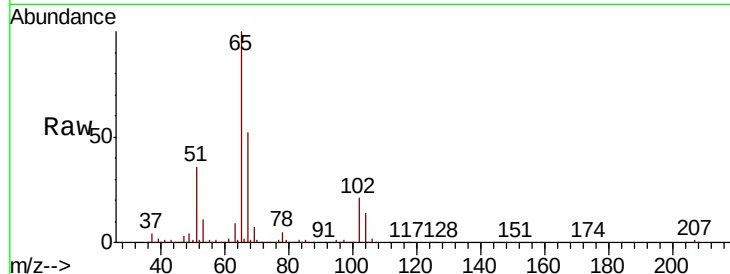




#33
 1,2-Dichloroethane-d4
 Concen: 58.732 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

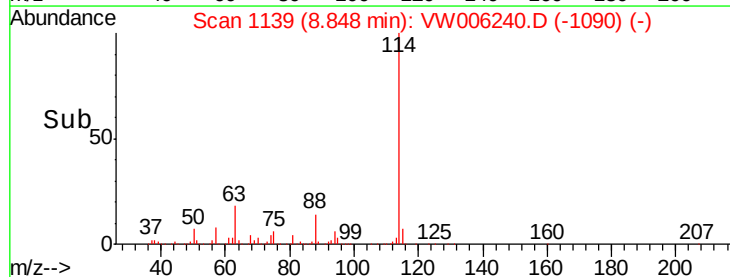
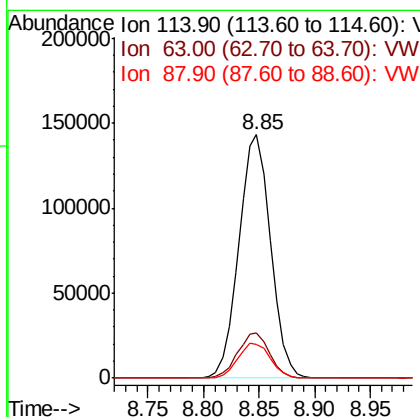
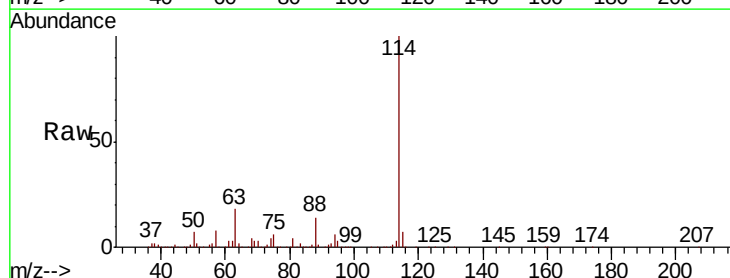
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 MSVOA_W
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 MS-VB-29736-BOX-2RE

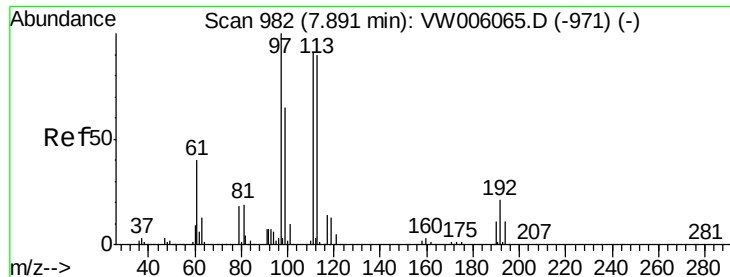
Tot Ion: 65 Resp: 94212
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

Tgt Ion: 114 Resp: 282976
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 14.1 0.0 29.0

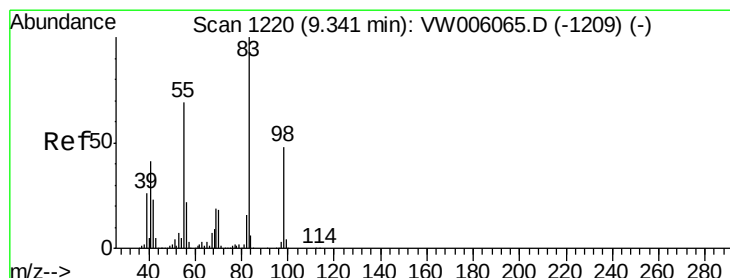
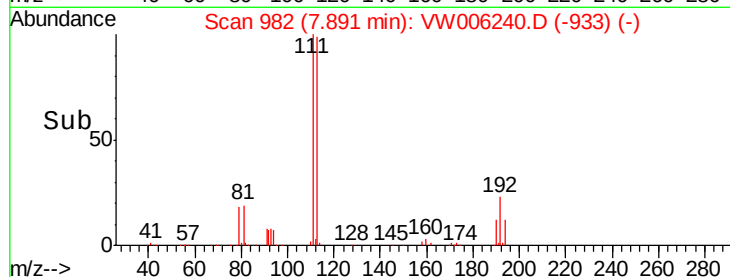
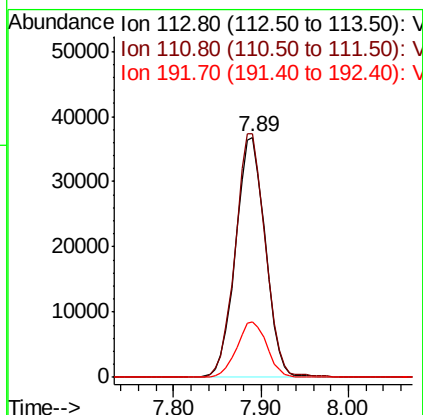
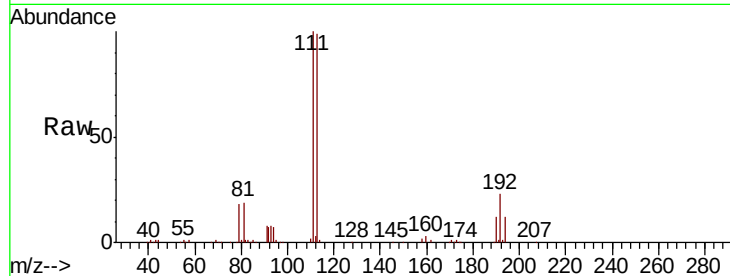




#35
 Dibromofluoromethane
 Concen: 51.940 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

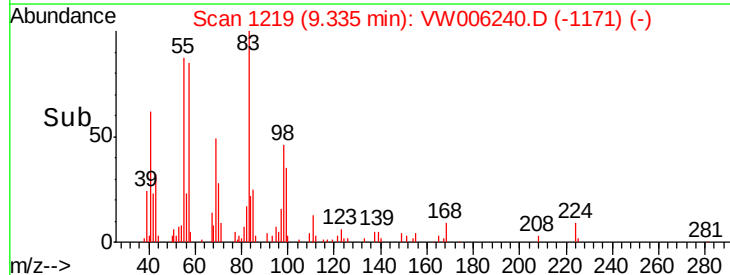
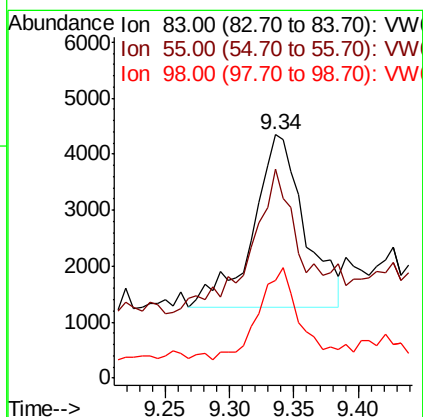
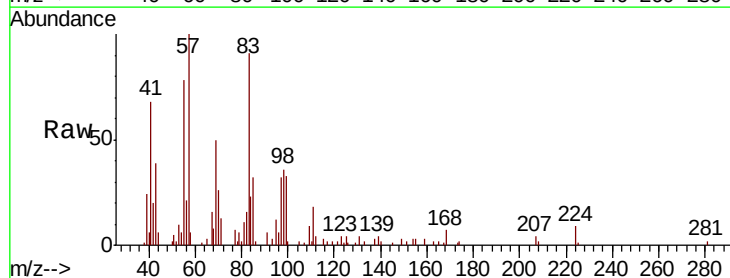
Instrument :
 MSVOA_W
 ClientSampleId :
 MS-VB-29736-BOX-2RE

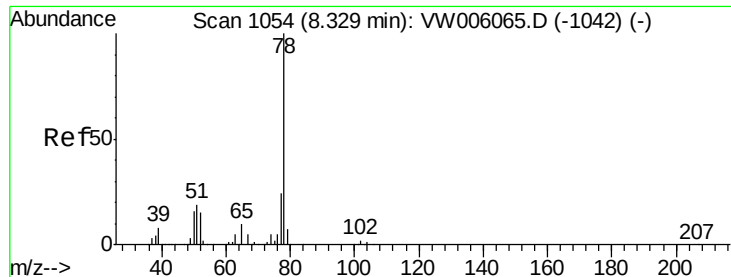
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	23.3	18.7	28.1



#39
 Methylcyclohexane
 Concen: 2.482 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.8	55.0	82.6
98	44.9	38.6	57.8





#40

Benzene

Concen: 1.207 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

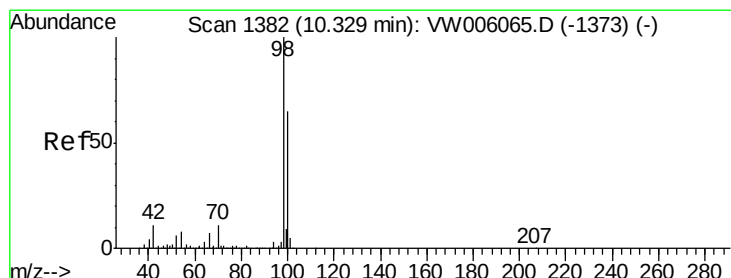
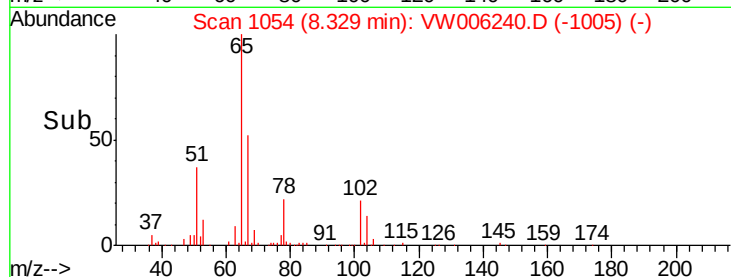
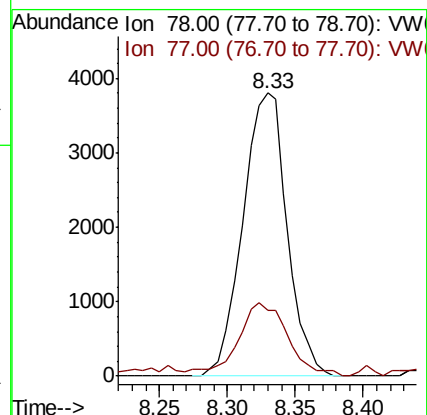
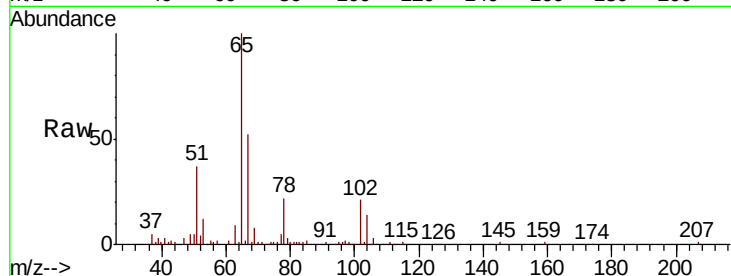
MS-VB-29736-BOX-2RE

Tot Ion: 78 Resp: 8637

Ion Ratio Lower Upper

78 100

77 23.3 19.4 29.0



#50

Toluene-d8

Concen: 43.866 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006240.D

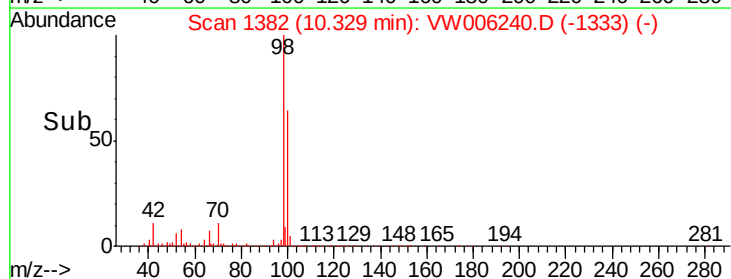
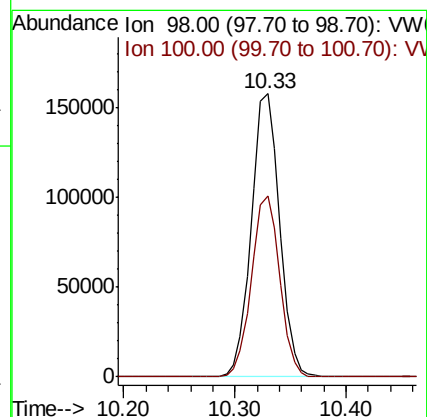
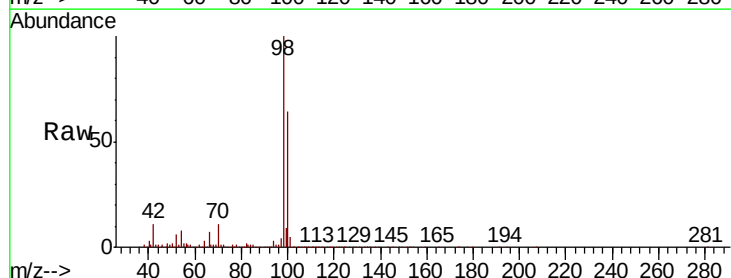
Acq: 19 Oct 2018 21:47

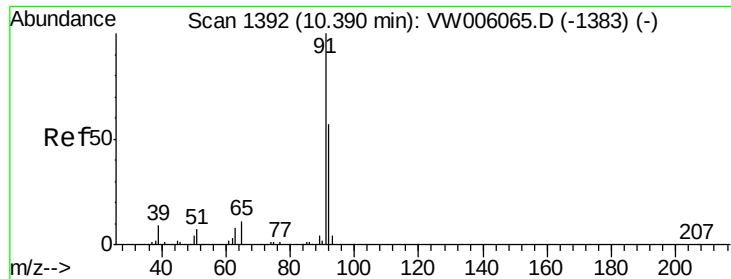
Tgt Ion: 98 Resp: 279052

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4





#52

Toluene

Concen: 3.137 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

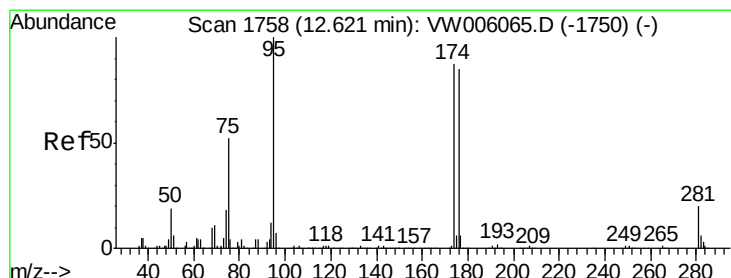
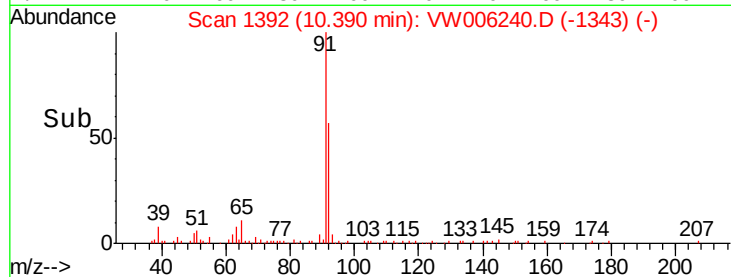
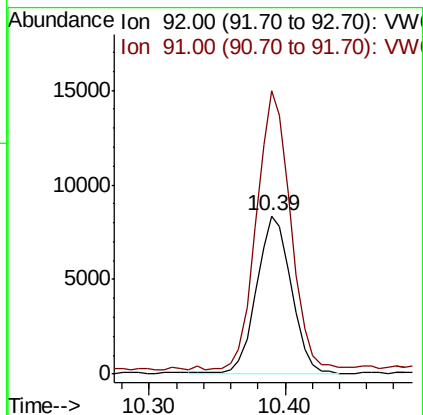
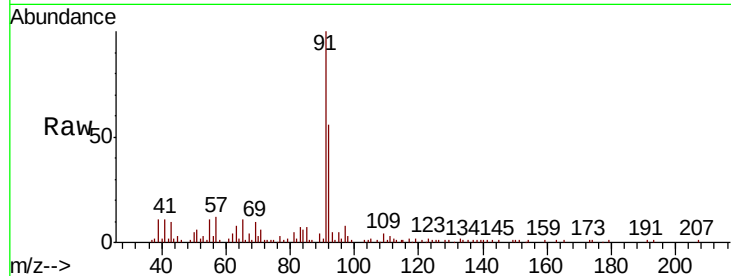
MS-VB-29736-BOX-2RE

Tot Ion: 92 Resp: 15047

Ion Ratio Lower Upper

92 100

91 171.2 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 32.429 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

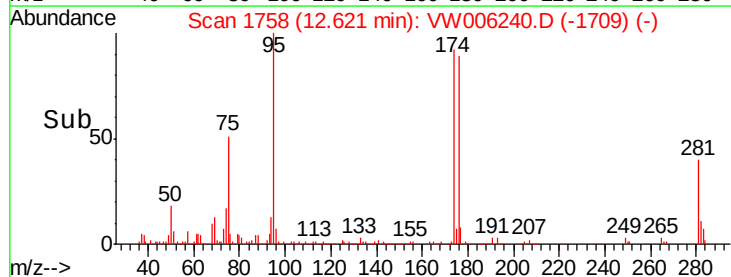
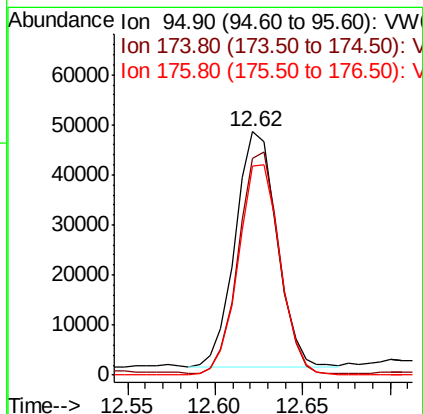
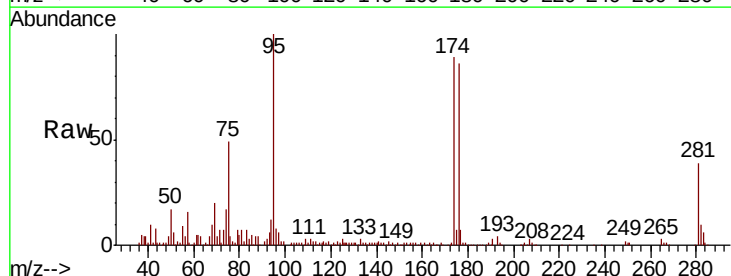
Tgt Ion: 95 Resp: 77482

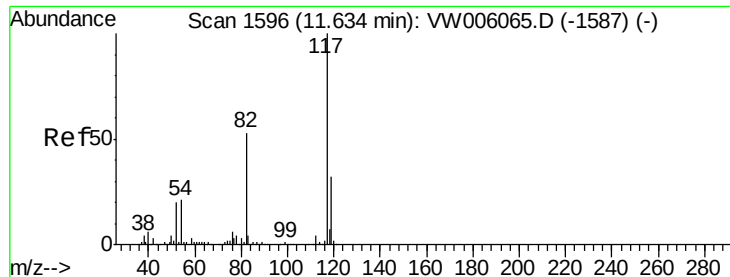
Ion Ratio Lower Upper

95 100

174 92.2 0.0 186.0

176 90.4 0.0 181.6

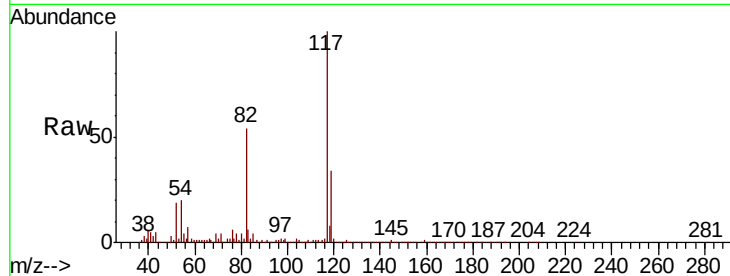




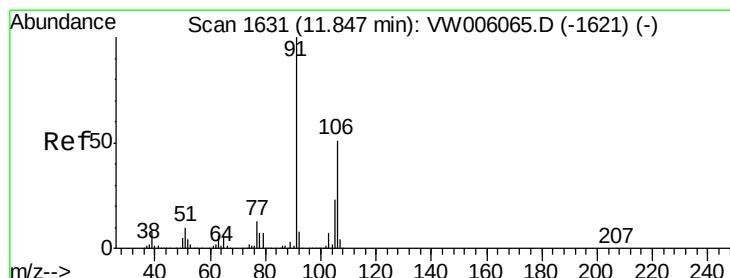
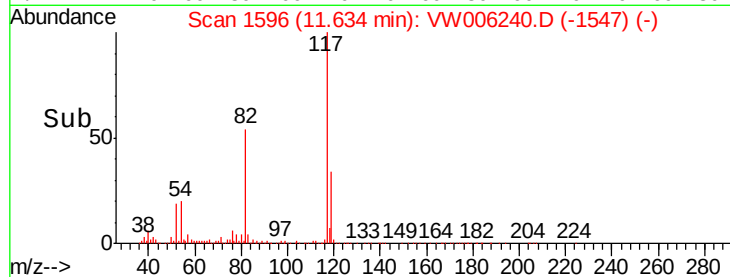
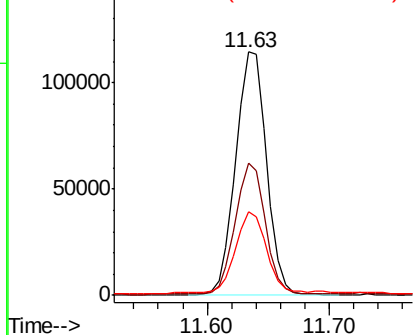
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

Instrument :
MSVOA_W
ClientSampleId :
MS-VB-29736-BOX-2RE

Tot Ion:117 Resp: 197794
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 33.3 25.8 38.6

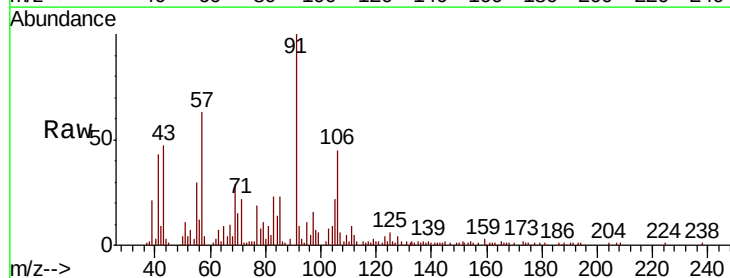


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

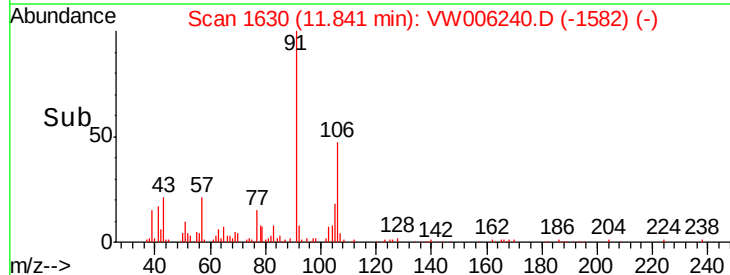
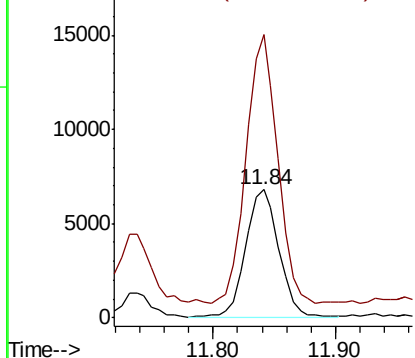


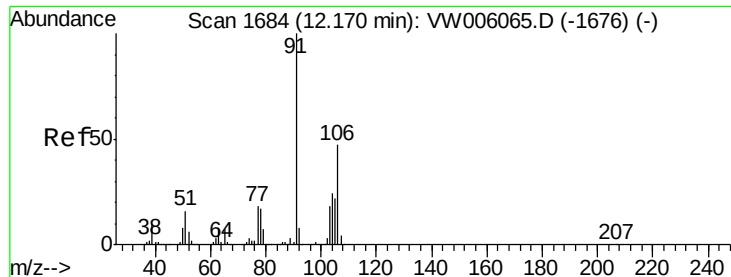
#68
m/p-Xylenes
Concen: 4.372 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

Tgt Ion:106 Resp: 12680
Ion Ratio Lower Upper
106 100
91 201.5 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

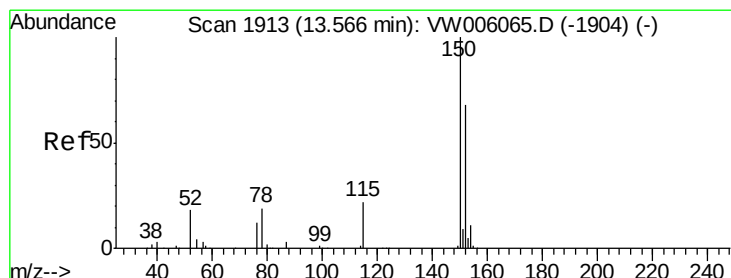
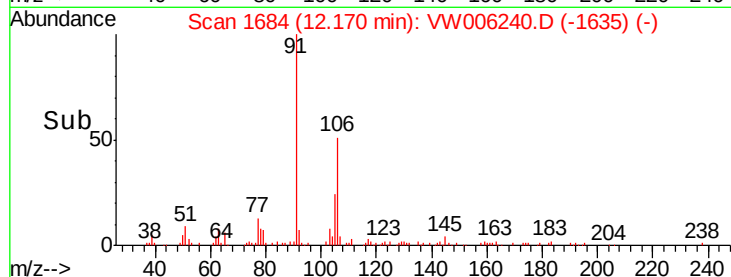
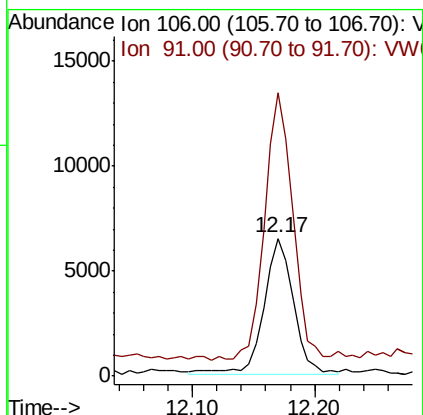
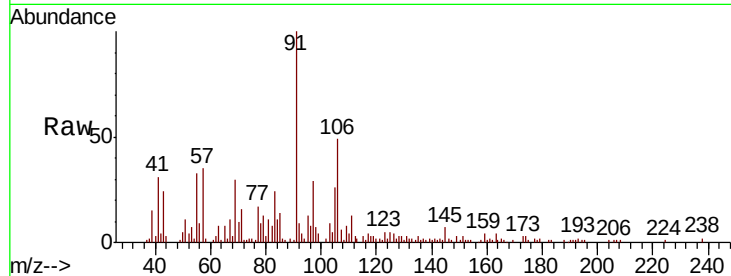




#69
o-Xylene
Concen: 3.929 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

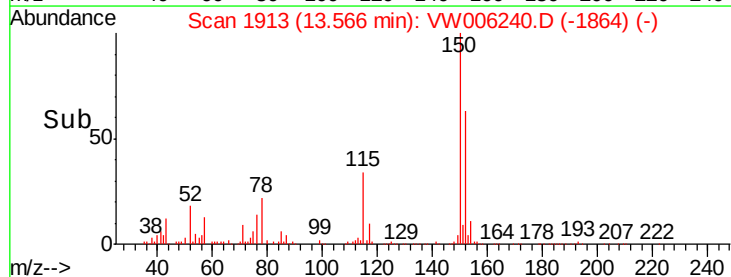
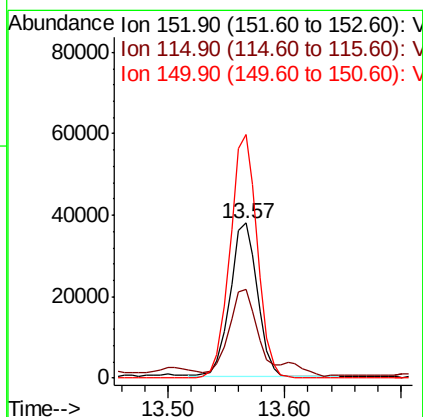
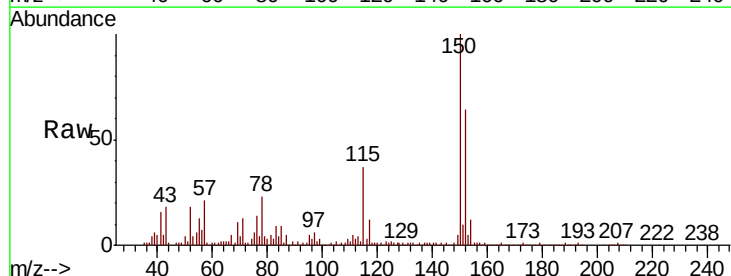
Instrument :
MSVOA_W
ClientSampleId :
MS-VB-29736-BOX-2RE

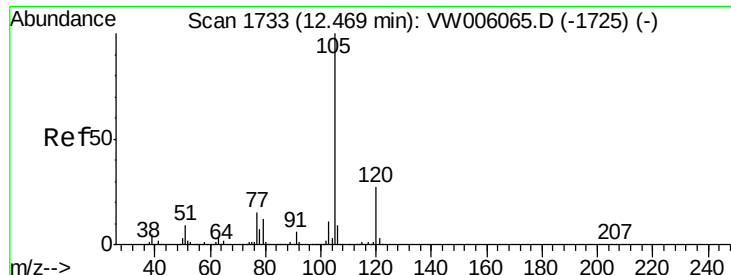
Tot Ion:106 Resp: 10859
Ion Ratio Lower Upper
106 100
91 185.3 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

Tgt Ion:152 Resp: 62150
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.3
150 154.6 0.0 349.2





#73

Isopropylbenzene

Concen: 1.794 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006240.D

Acq: 19 Oct 2018 21:47

Instrument :

MSVOA_W

ClientSampleId :

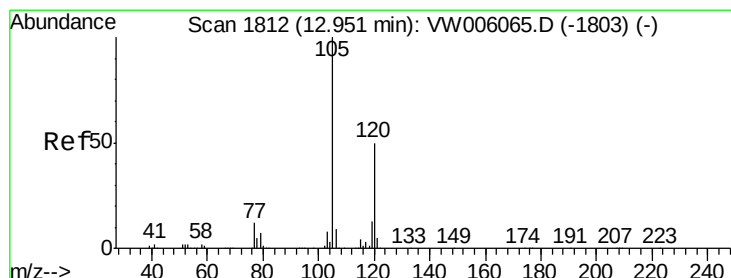
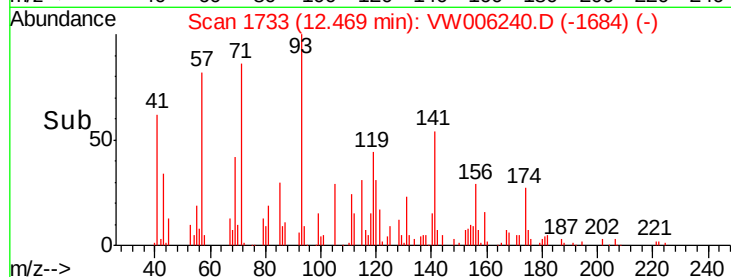
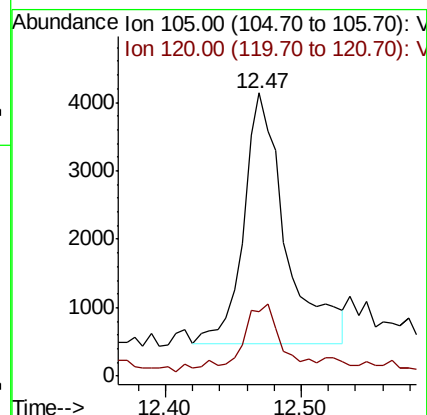
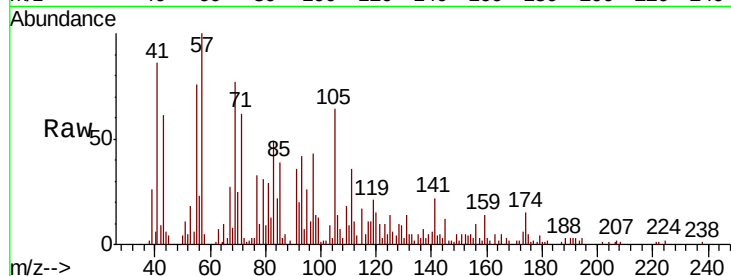
MS-VB-29736-BOX-2RE

Tot Ion:105 Resp: 7879

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#80

1,3,5-Trimethylbenzene

Concen: 5.489 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006240.D

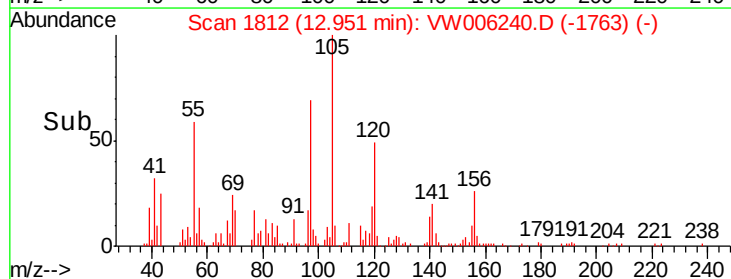
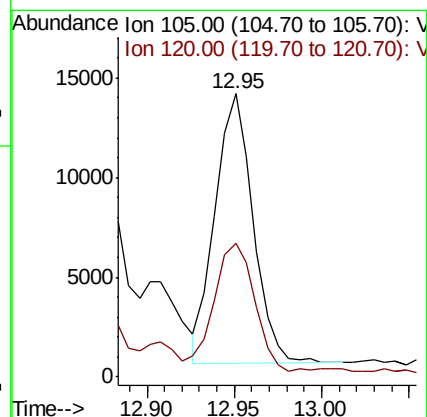
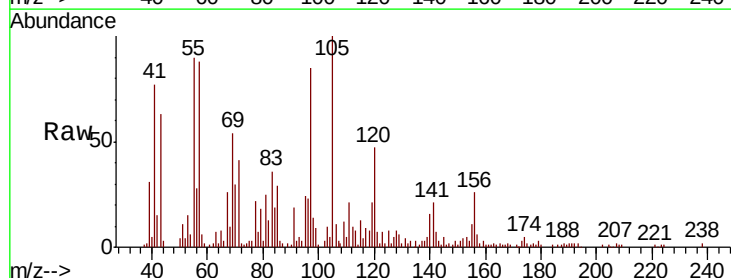
Acq: 19 Oct 2018 21:47

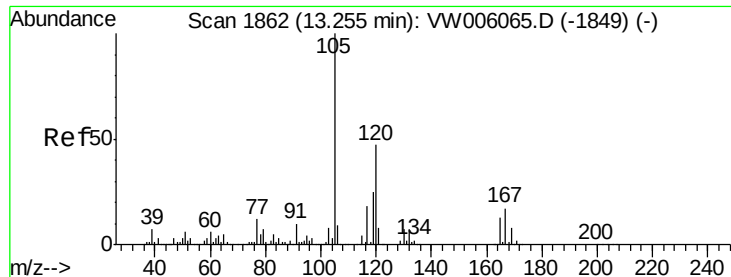
Tgt Ion:105 Resp: 20317

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6

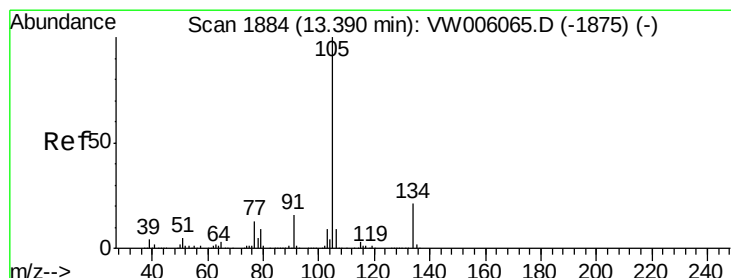
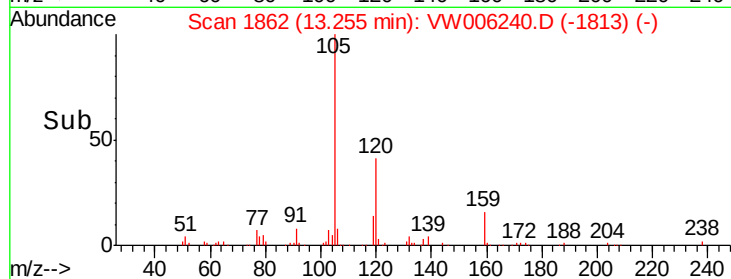
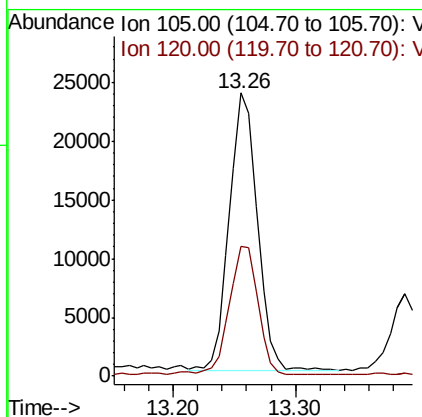
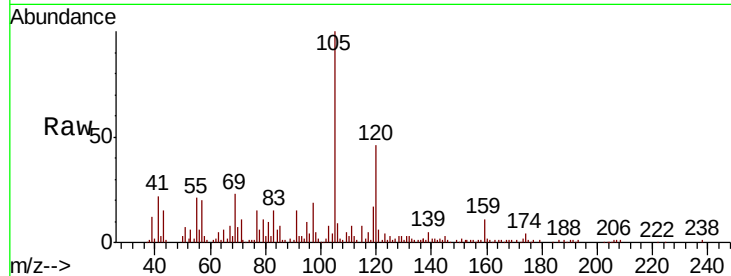




#84
 1,2,4-Trimethylbenzene
 Concen: 9.945 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

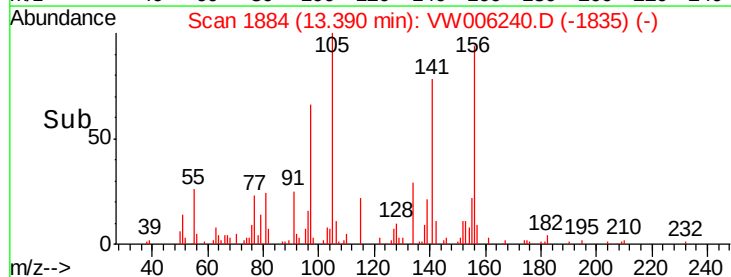
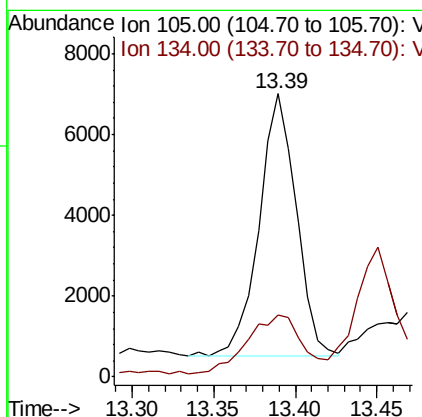
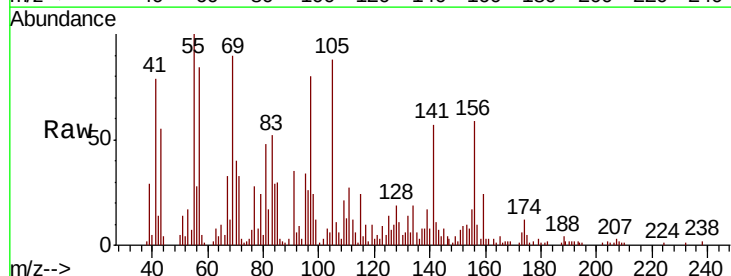
Instrument :
 MSVOA_W
 ClientSampleId :
 MS-VB-29736-BOX-2RE

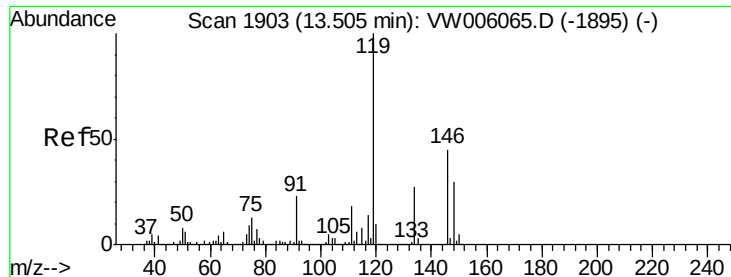
Tot Ion:105 Resp: 37250
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 2.201 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006240.D
 Acq: 19 Oct 2018 21:47

Tgt Ion:105 Resp: 10299
 Ion Ratio Lower Upper
 105 100
 134 33.5 10.5 31.6#

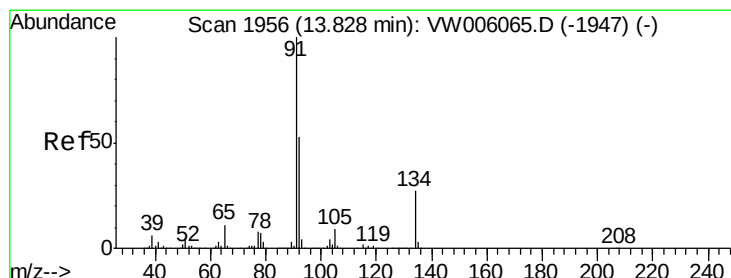
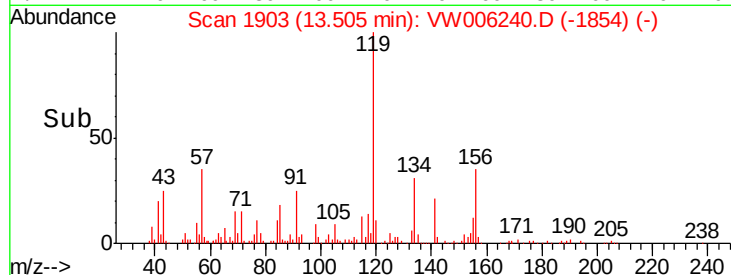
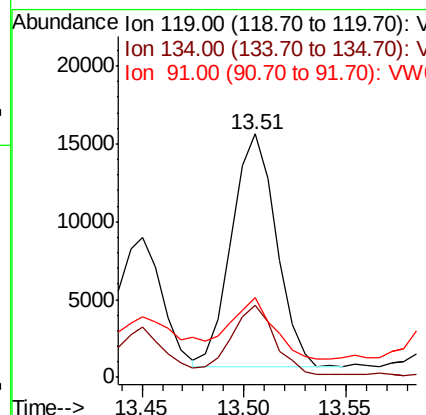
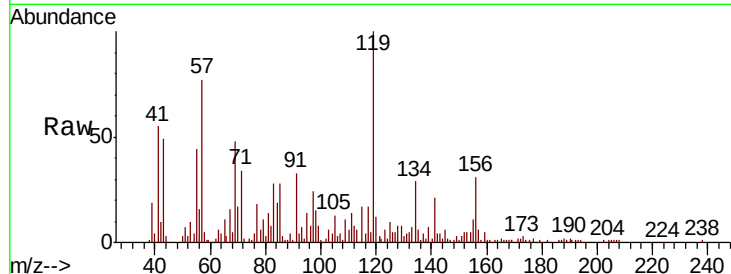




#86
p-Isopropyltoluene
Concen: 5.350 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

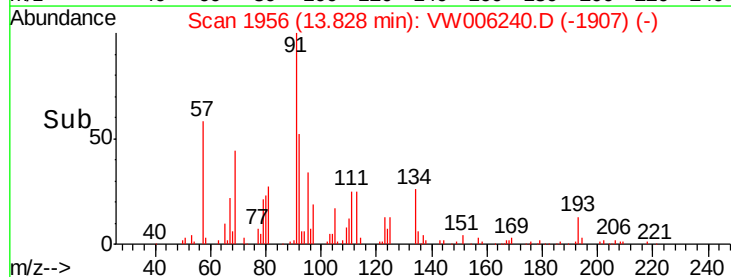
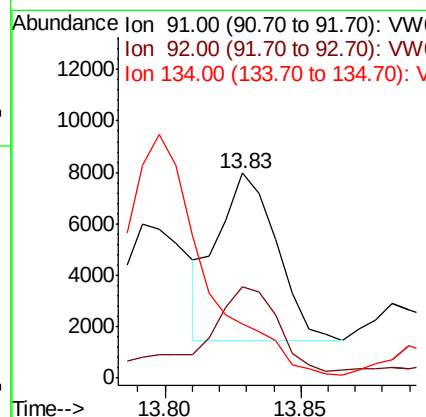
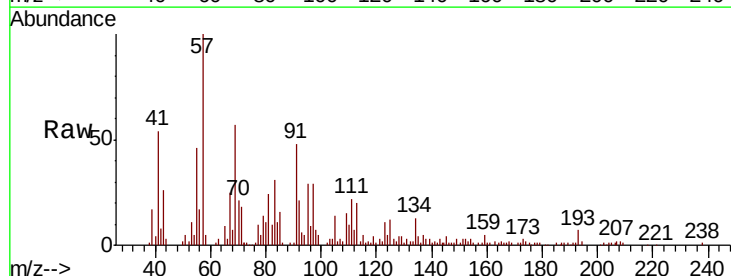
Instrument :
MSVOA_W
ClientSampleId :
MS-VB-29736-BOX-2RE

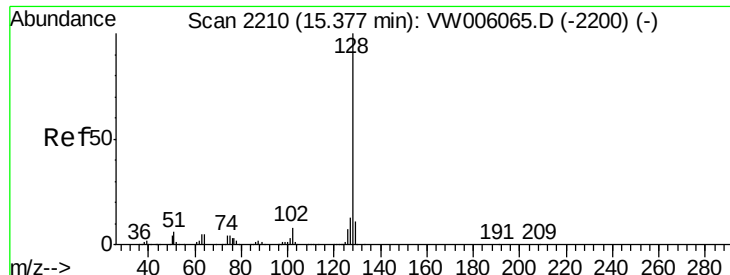
Tot Ion:119 Resp: 22641
Ion Ratio Lower Upper
119 100
134 29.5 13.4 40.2
91 25.4 11.4 34.1



#89
n-Butylbenzene
Concen: 2.508 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

Tgt Ion: 91 Resp: 9708
Ion Ratio Lower Upper
91 100
92 64.5 26.6 79.7
134 0.0 14.0 41.9#

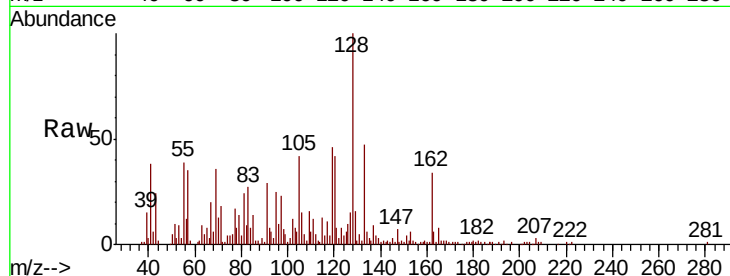




#95
Naphthalene
Concen: 15.470 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006240.D
Acq: 19 Oct 2018 21:47

Instrument :
MSVOA_W
ClientSampleId :
MS-VB-29736-BOX-2RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	9.7	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

