

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004327.D
 Acq On : 29 Jul 2018 21:15
 Operator : SY/AP
 Sample : J4109-02
 Misc : 7.69G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GW-04(10-12)

Quant Time: Jul 30 05:32:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	69996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18021	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	26263	59.39	ug/l	0.00
Spiked Amount			Recovery	=	118.78%	
35) Dibromofluoromethane	7.88	113	21622	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.33	98	49966	28.58	ug/l	0.00
Spiked Amount			Recovery	=	57.16%	
62) 4-Bromofluorobenzene	12.62	95	17117	27.81	ug/l	0.00
Spiked Amount			Recovery	=	55.62%	

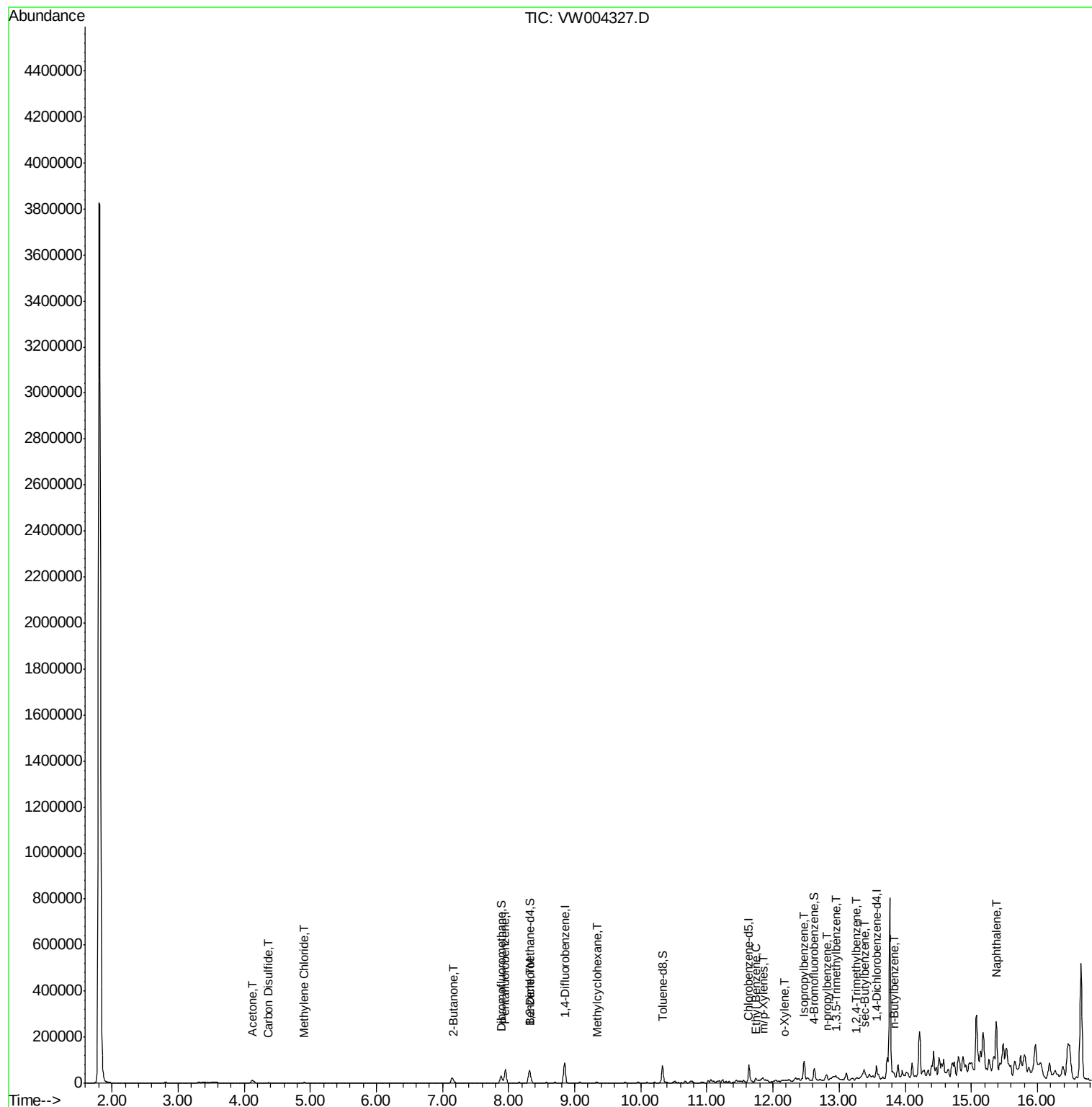
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	22045	208.39	ug/l	99
17) Carbon Disulfide	4.36	76	3303	3.01	ug/l #	94
20) Methylene Chloride	4.90	84	1710	2.57	ug/l #	86
25) 2-Butanone	7.18	43	4835	39.37	ug/l	94
39) Methylcyclohexane	9.34	83	2051	2.43	ug/l #	86
40) Benzene	8.32	78	32628	16.56	ug/l	98
67) Ethyl Benzene	11.74	91	5391	3.66	ug/l	98
68) m/p-Xylenes	11.85	106	4884	8.63	ug/l	100
69) o-Xylene	12.17	106	1291	2.47	ug/l	90
73) Isopropylbenzene	12.48	105	55701	44.58	ug/l	99
78) n-propylbenzene	12.81	91	20057	13.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	2697	2.51	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	4886	4.45	ug/l	95
85) sec-Butylbenzene	13.39	105	9015	6.88	ug/l #	52
89) n-Butylbenzene	13.83	91	13676	12.45	ug/l #	76
95) Naphthalene	15.38	128	183976	281.54	ug/l	99

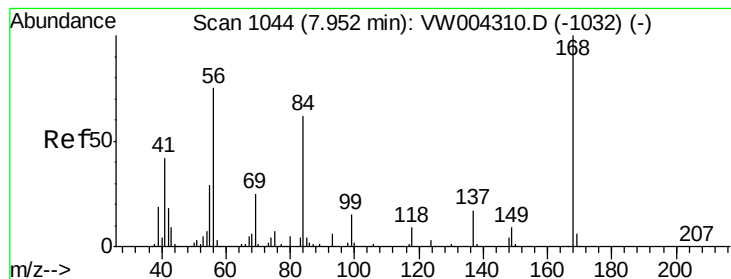
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 30 02:37:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

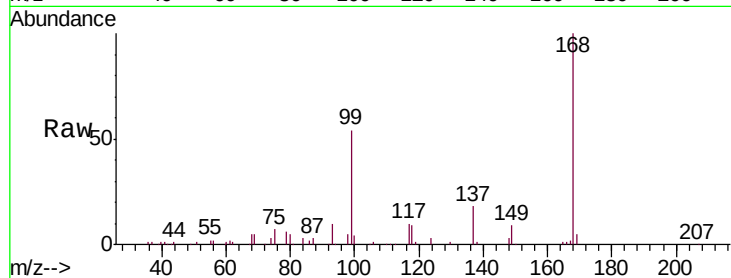
GW-04(10-12)

Tot Ion:168 Resp: 43836

Ion Ratio Lower Upper

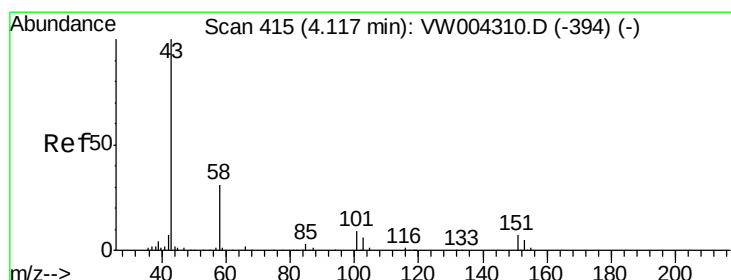
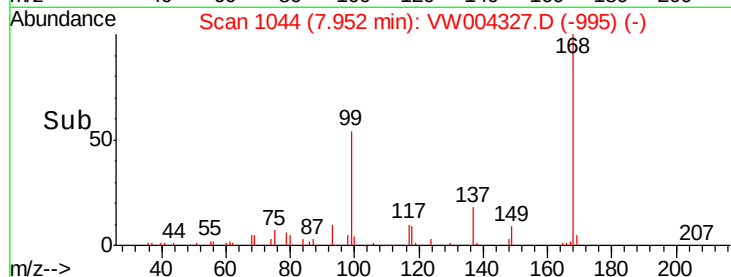
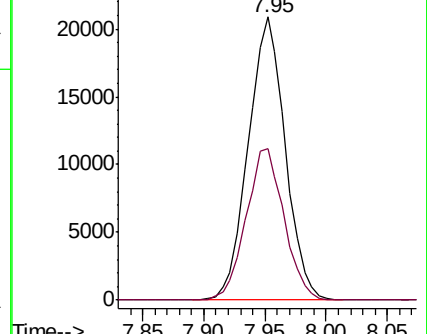
168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 208.39 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004327.D

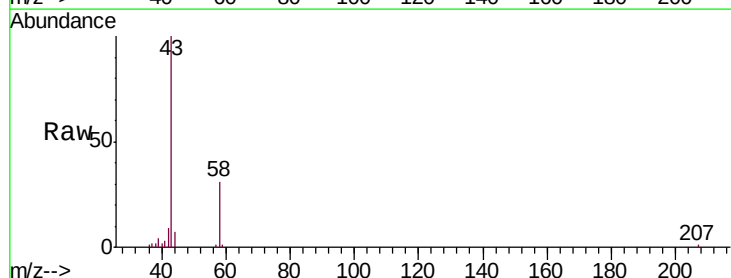
Acq: 29 Jul 2018 21:15

Tgt Ion: 43 Resp: 22045

Ion Ratio Lower Upper

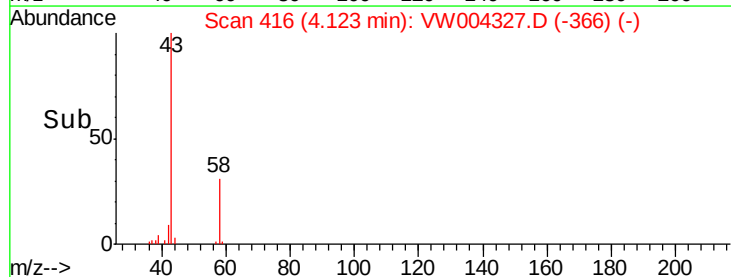
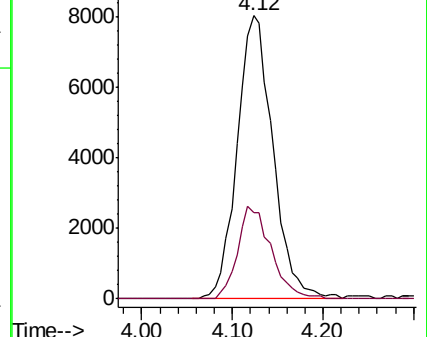
43 100

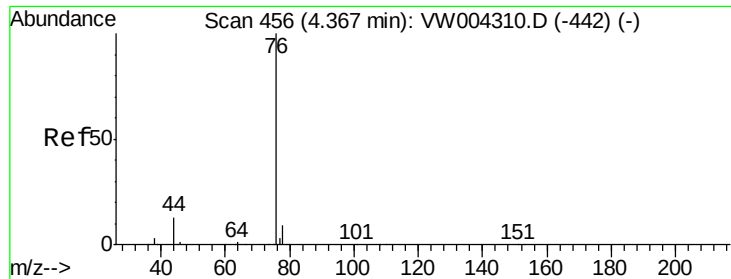
58 30.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.01 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

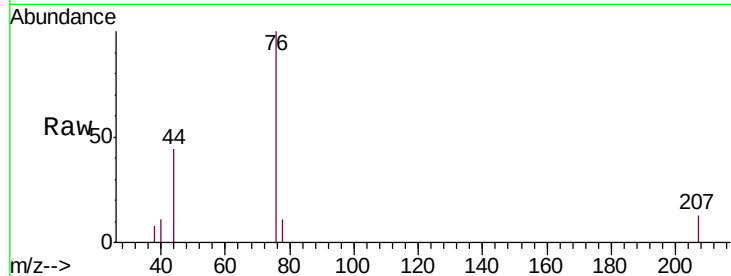
GW-04(10-12)

Tot Ion: 76 Resp: 3303

Ion Ratio Lower Upper

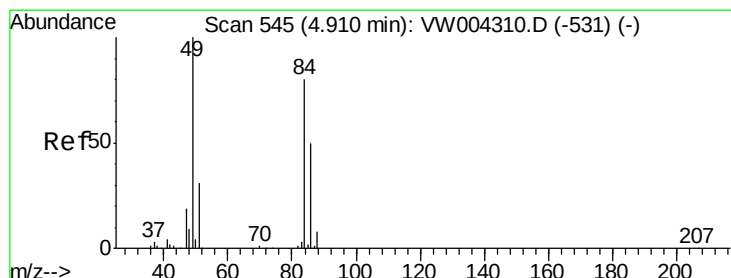
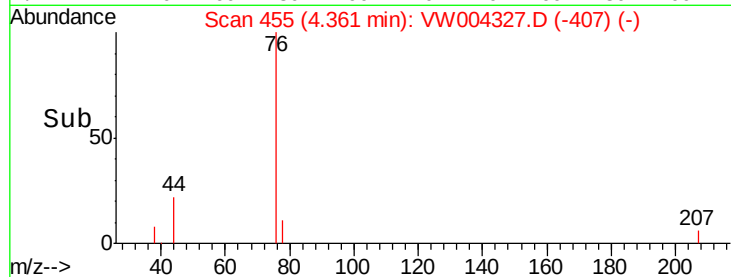
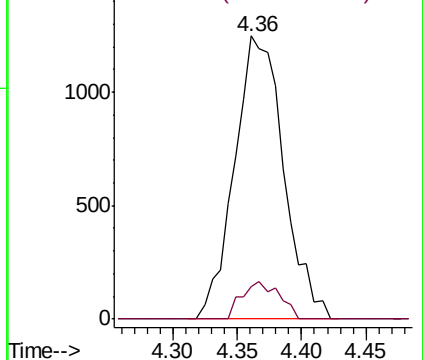
76 100

78 11.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.57 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Tgt Ion: 84 Resp: 1710

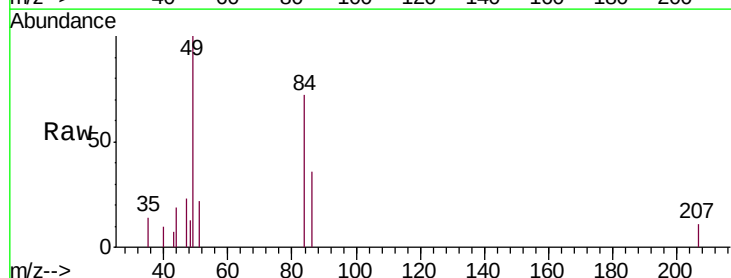
Ion Ratio Lower Upper

84 100

49 139.6 100.5 150.7

51 30.1 30.9 46.3#

86 50.6 50.2 75.4

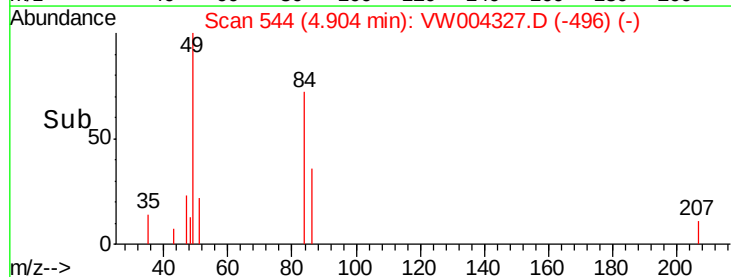
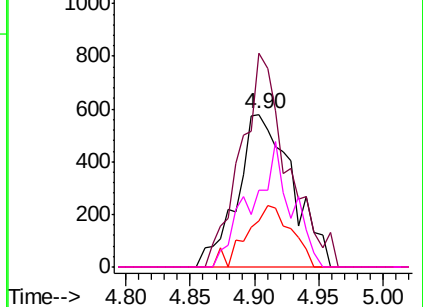


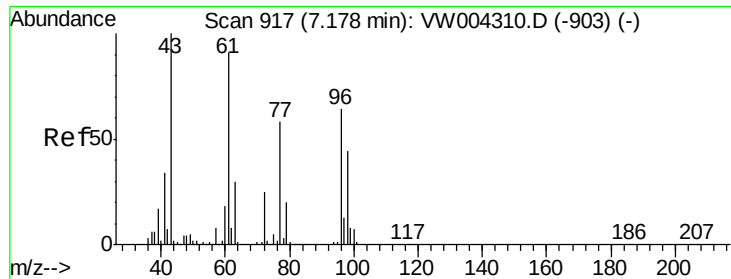
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 39.37 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

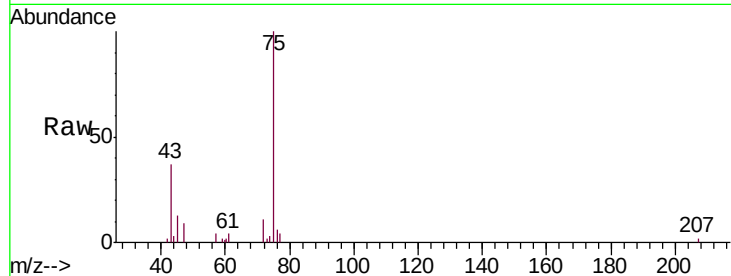
GW-04(10-12)

Tot Ion: 43 Resp: 4835

Ion Ratio Lower Upper

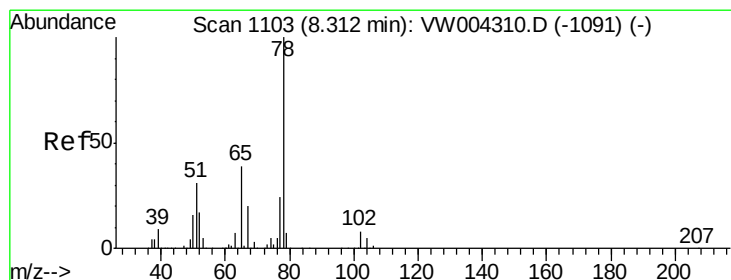
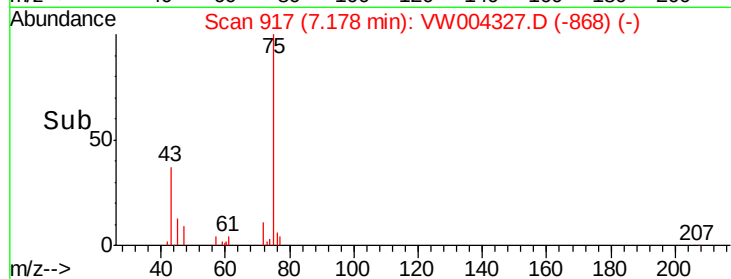
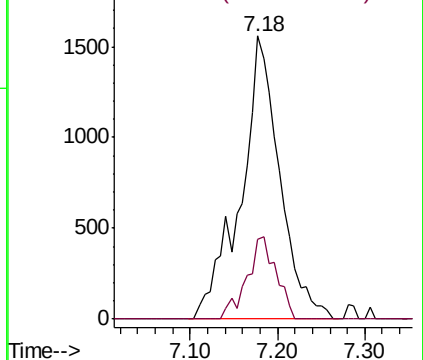
43 100

72 28.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 59.39 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004327.D

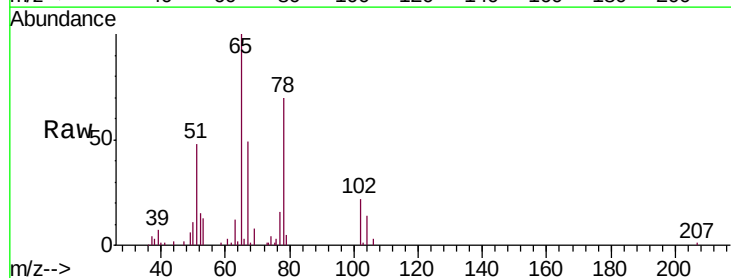
Acq: 29 Jul 2018 21:15

Tgt Ion: 65 Resp: 26263

Ion Ratio Lower Upper

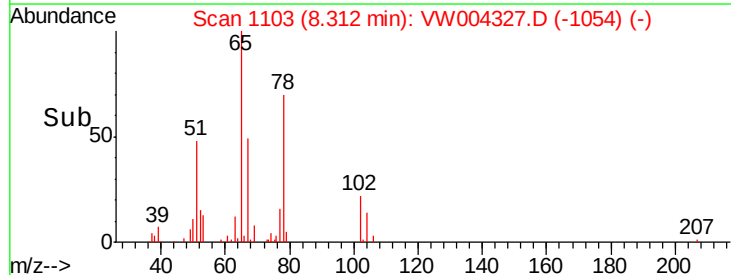
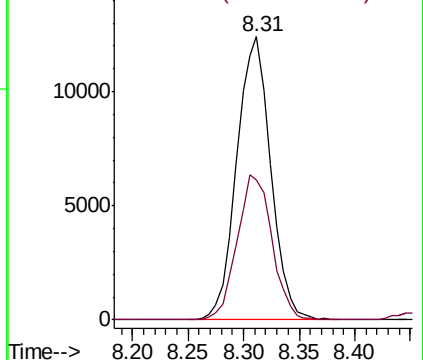
65 100

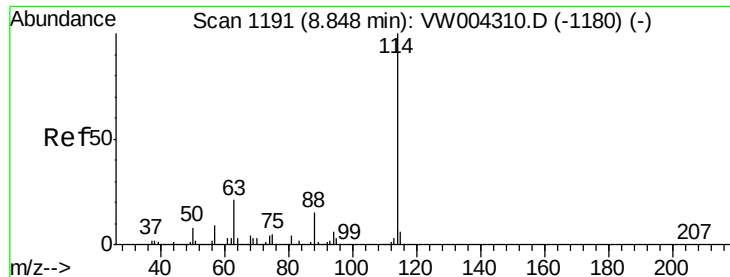
67 52.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

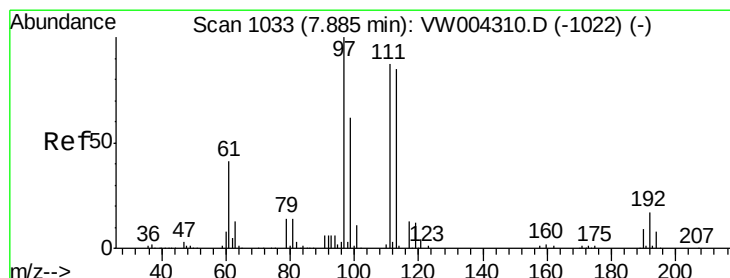
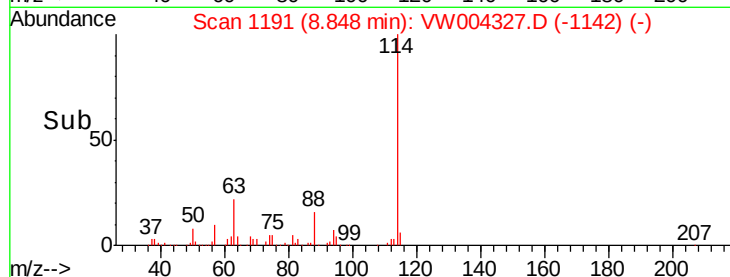
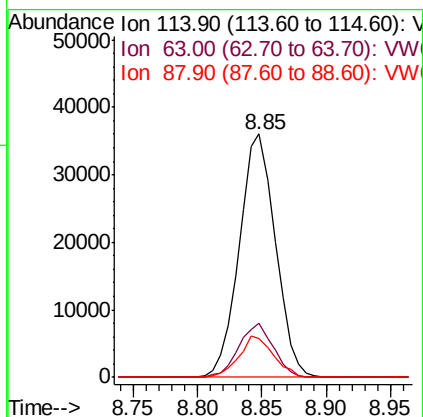
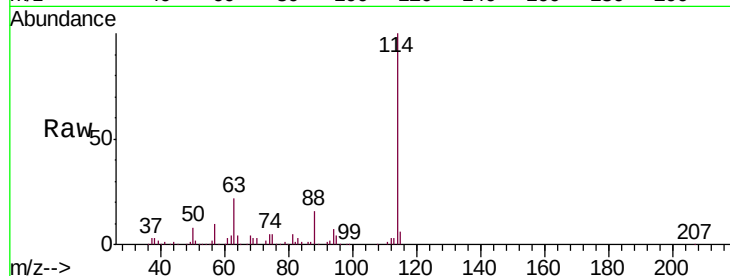




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

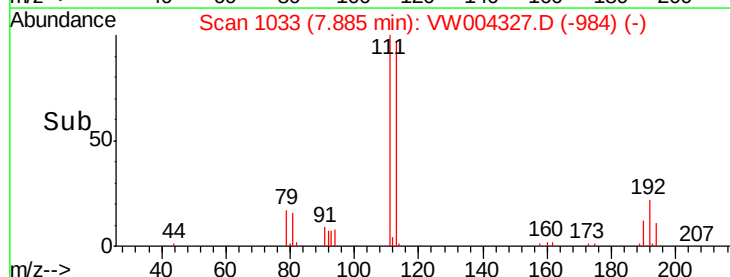
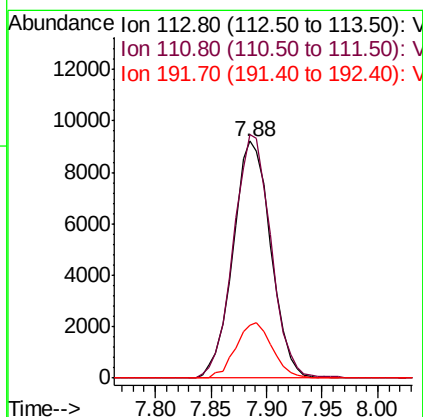
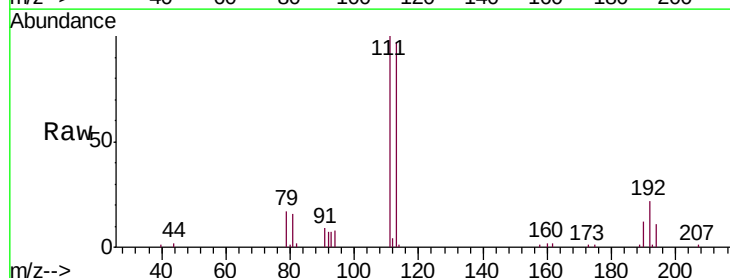
Instrument :
 MSVOA_W
 ClientSampleId :
 GW-04(10-12)

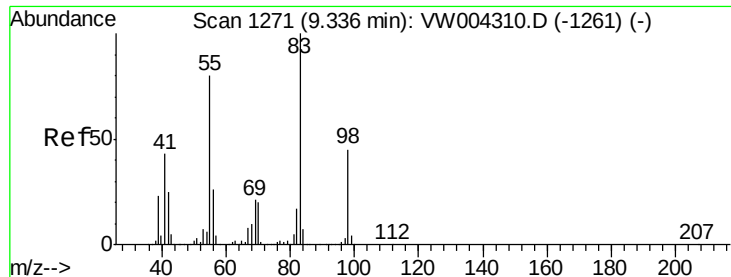
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.4
88	15.9	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 48.88 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	22.4	16.2	24.4

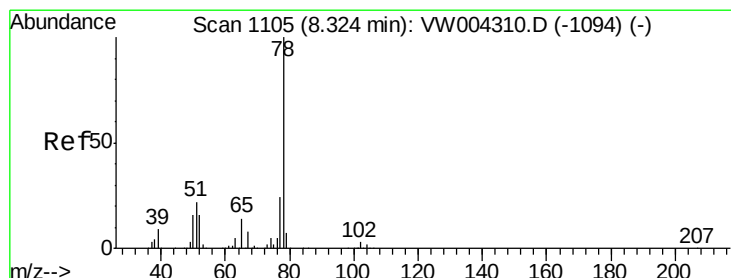
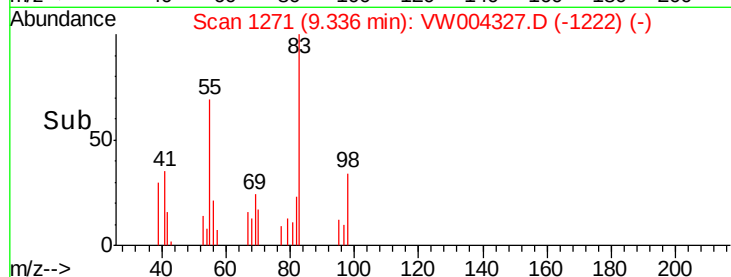
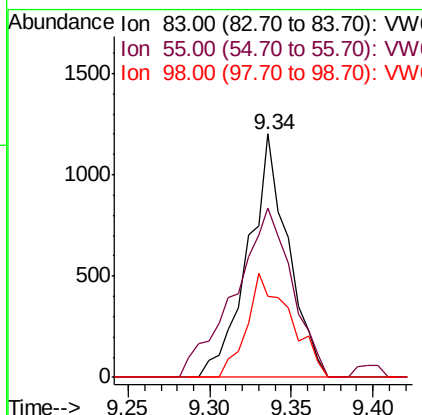
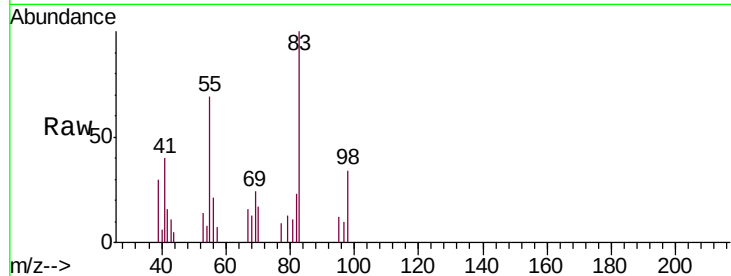




#39
Methylvlcyclohexane
Concen: 2.43 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

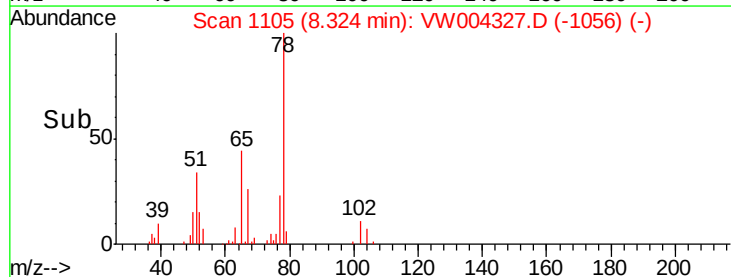
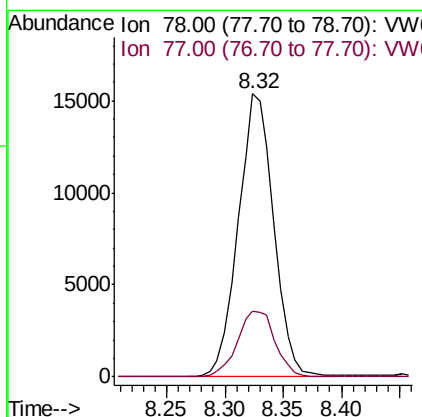
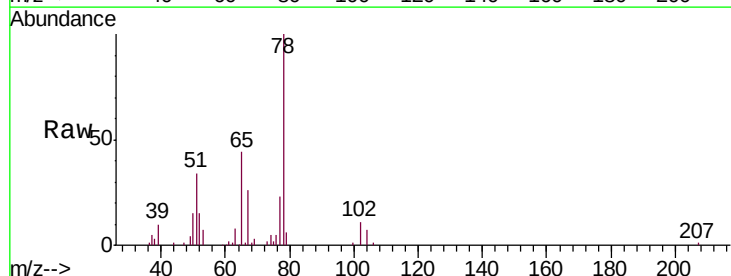
Instrument :
MSVOA_W
ClientSampleId :
GW-04(10-12)

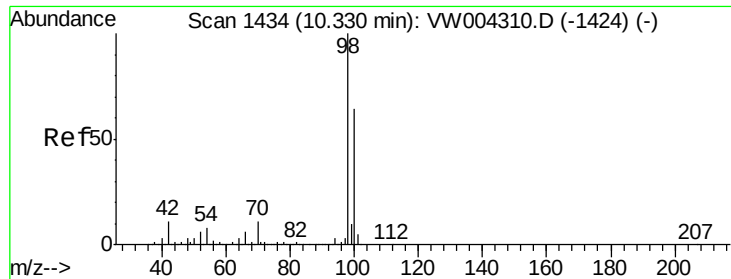
Tot Ion: 83 Resp: 2051
Ion Ratio Lower Upper
83 100
55 69.4 64.3 96.5
98 33.5 36.3 54.5#



#40
Benzene
Concen: 16.56 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 78 Resp: 32628
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





#50

Toluene-d8

Concen: 28.58 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

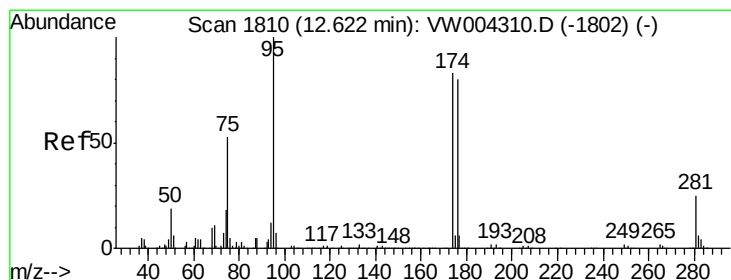
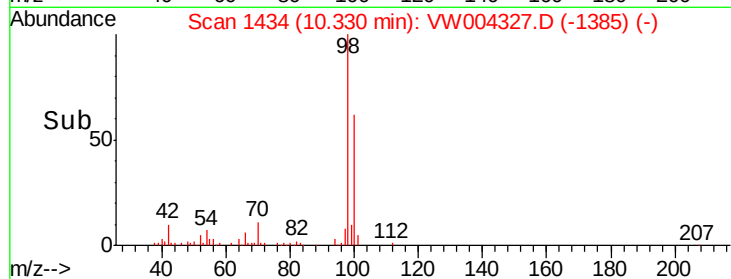
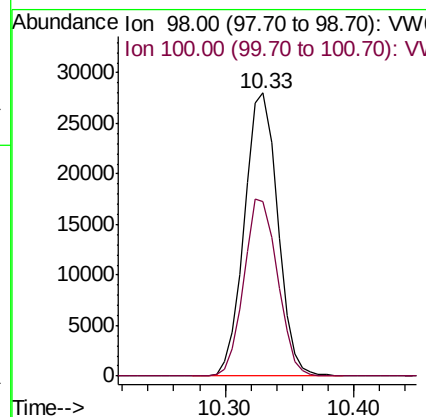
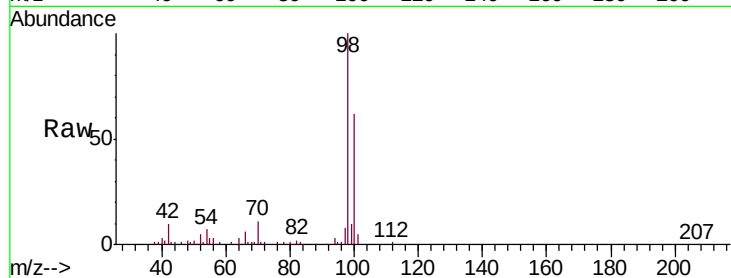
GW-04(10-12)

Tot Ion: 98 Resp: 49966

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 27.81 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

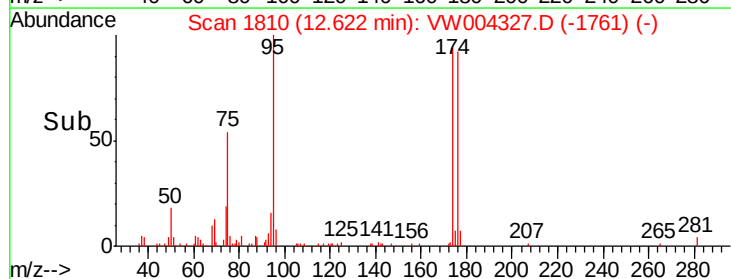
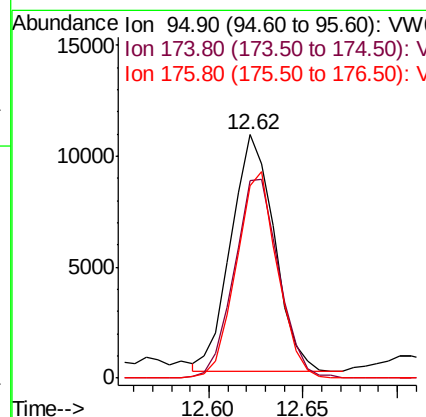
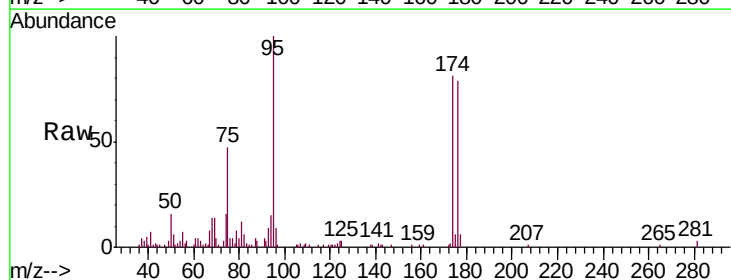
Tgt Ion: 95 Resp: 17117

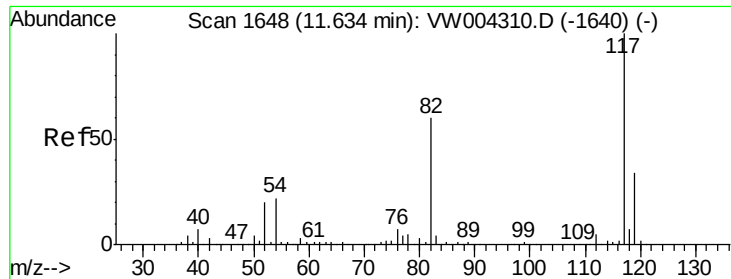
Ion Ratio Lower Upper

95 100

174 86.1 0.0 167.8

176 82.3 0.0 162.4

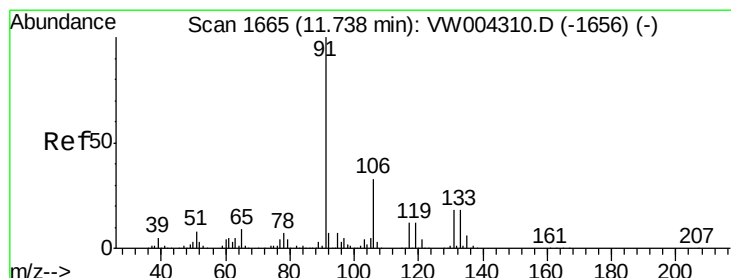
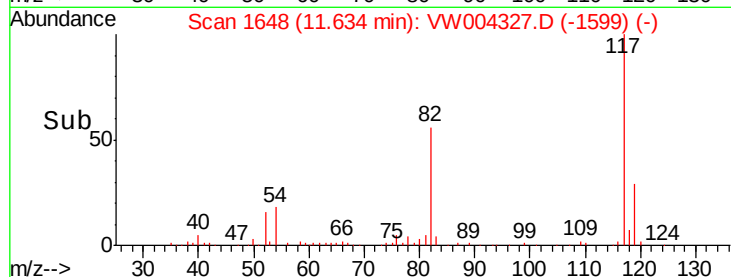
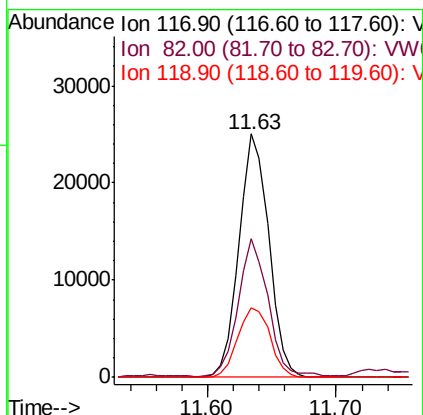
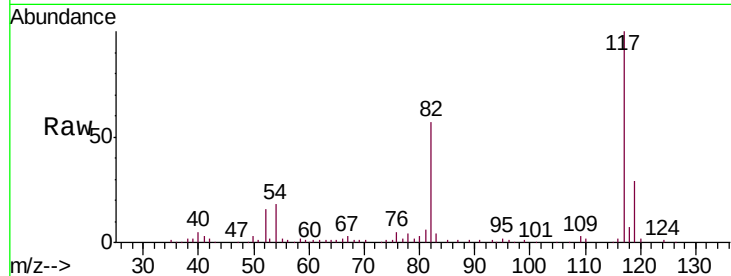




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

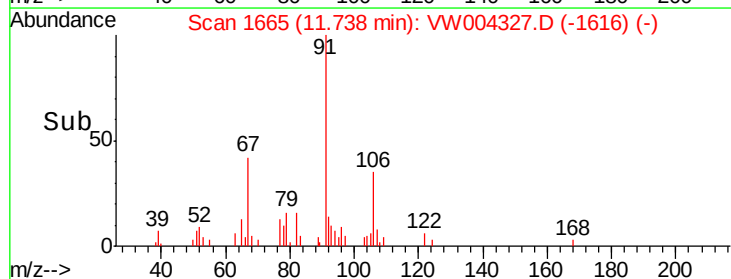
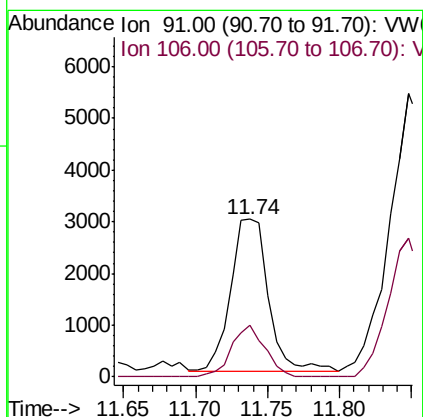
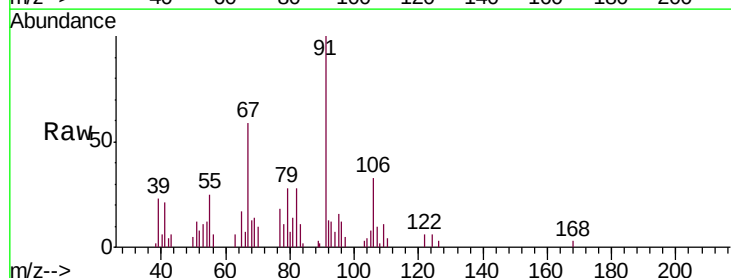
Instrument :
MSVOA_W
ClientSampleId :
GW-04(10-12)

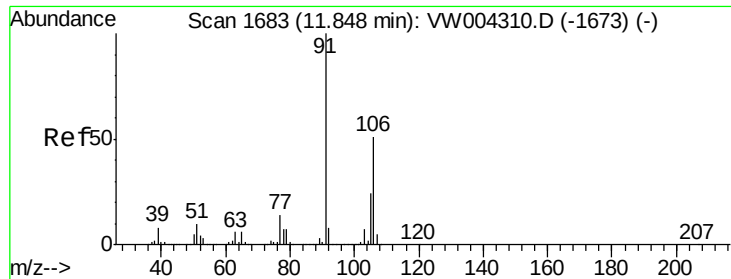
Tot Ion:117 Resp: 40195
Ion Ratio Lower Upper
117 100
82 56.5 47.9 71.9
119 28.7 27.1 40.7



#67
Ethyl Benzene
Concen: 3.66 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 91 Resp: 5391
Ion Ratio Lower Upper
91 100
106 33.9 26.1 39.1

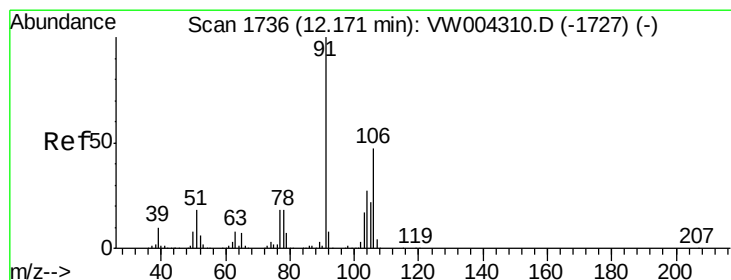
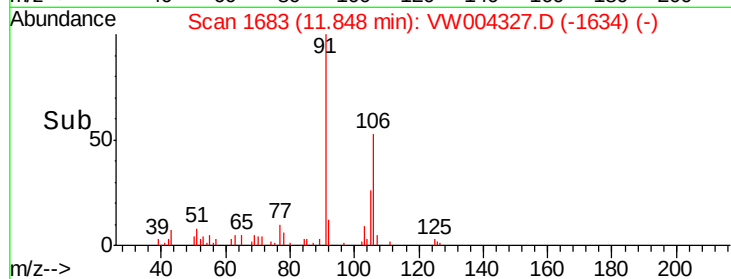
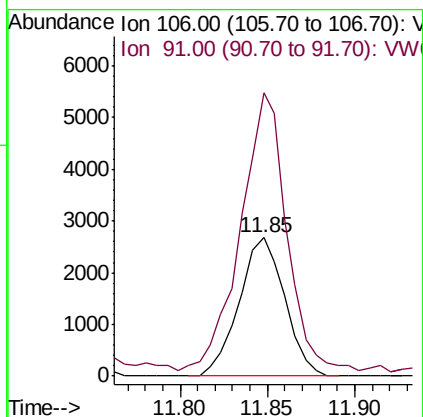
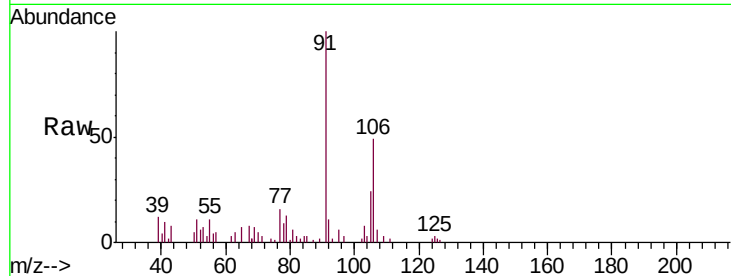




#68
m/p-Xylenes
Concen: 8.63 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

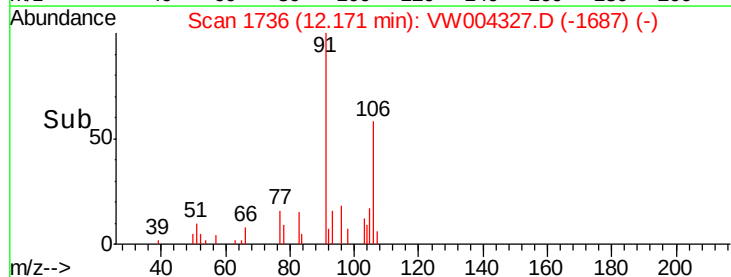
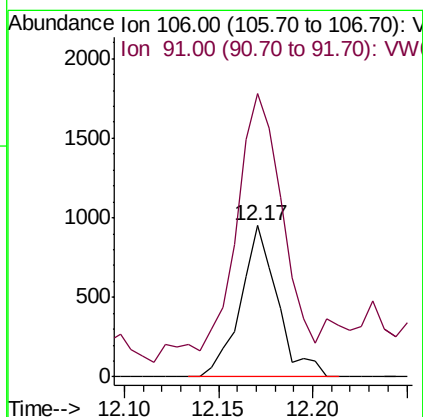
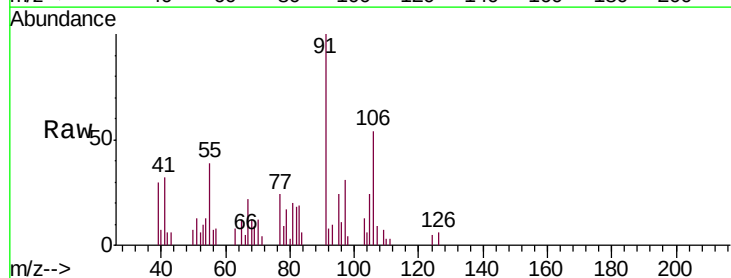
Instrument :
MSVOA_W
ClientSampleId :
GW-04(10-12)

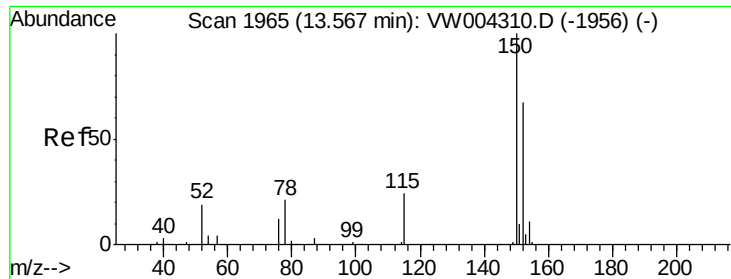
Tot Ion:106 Resp: 4884
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.2



#69
o-Xylene
Concen: 2.47 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion:106 Resp: 1291
Ion Ratio Lower Upper
106 100
91 233.1 108.7 326.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

GW-04(10-12)

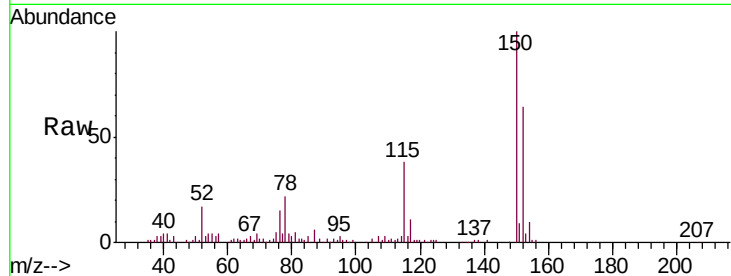
Tot Ion:152 Resp: 18021

Ion Ratio Lower Upper

152 100

115 53.8 28.8 86.4

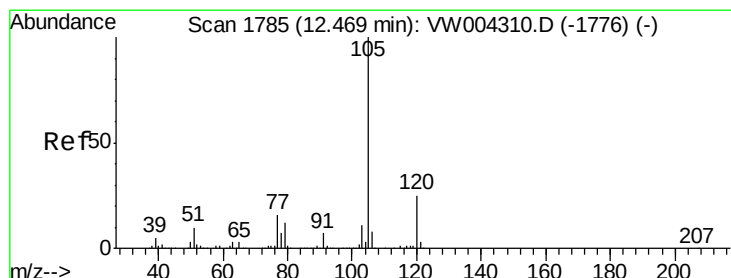
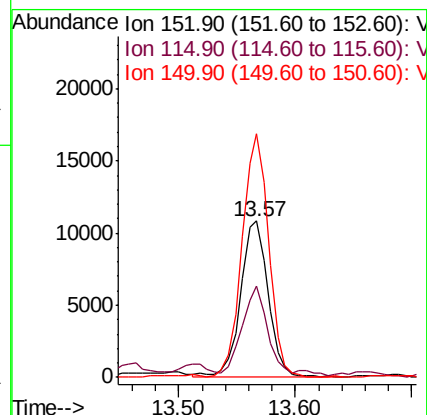
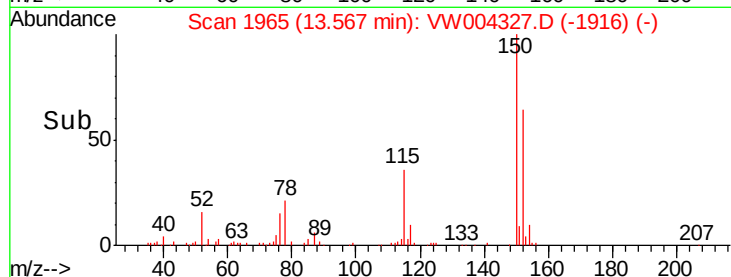
150 148.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 44.58 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW004327.D

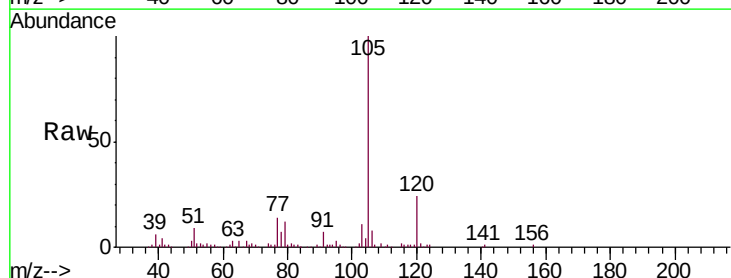
Acq: 29 Jul 2018 21:15

Tgt Ion:105 Resp: 55701

Ion Ratio Lower Upper

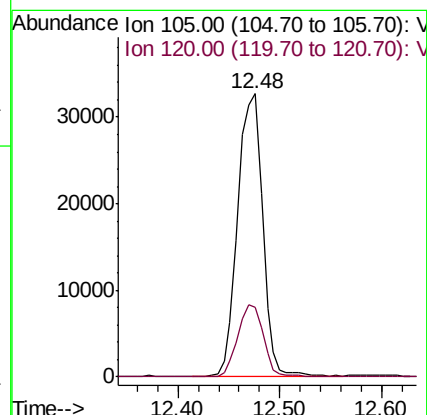
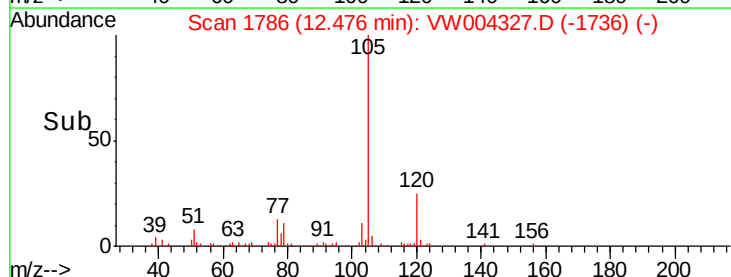
105 100

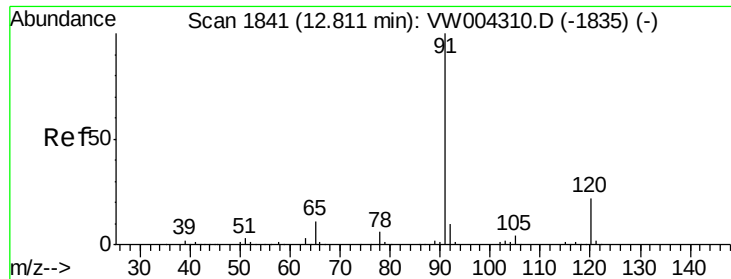
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

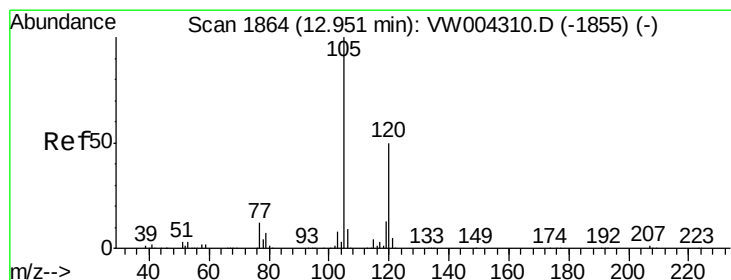
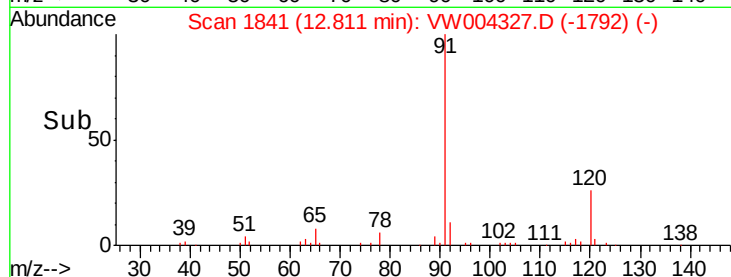
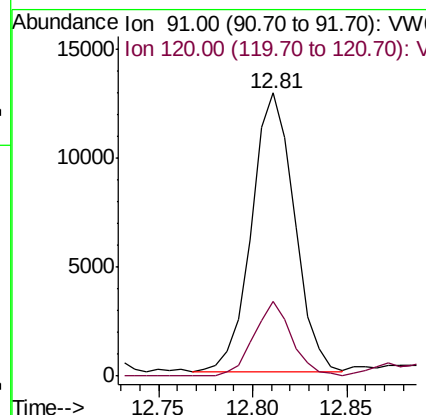
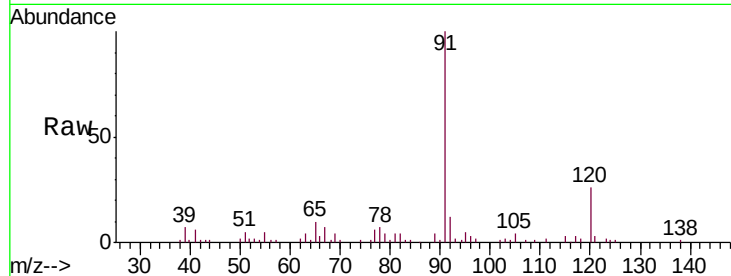




#78
n-propylbenzene
Concen: 13.18 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

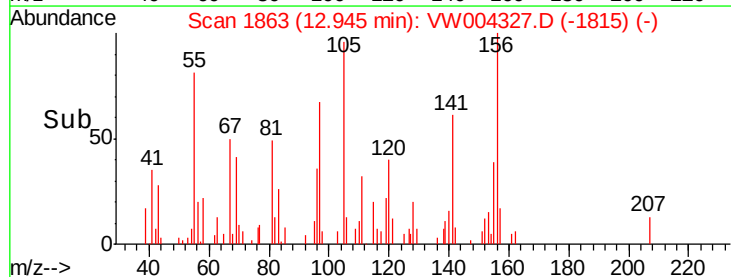
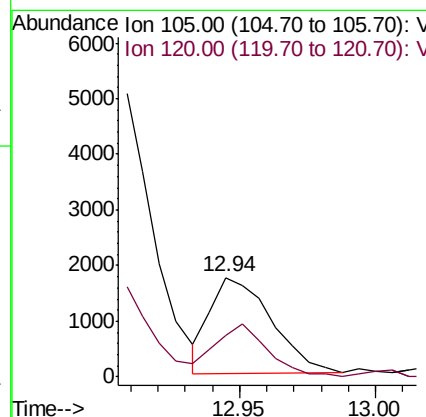
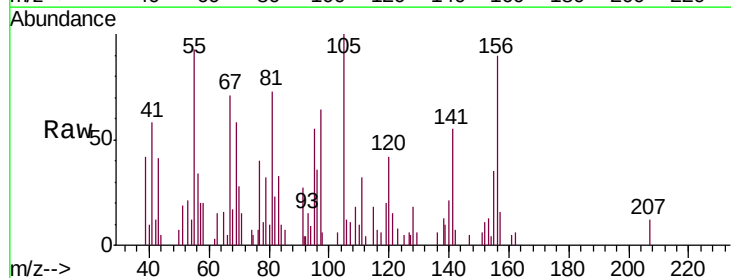
Instrument :
MSVOA_W
ClientSampled :
GW-04(10-12)

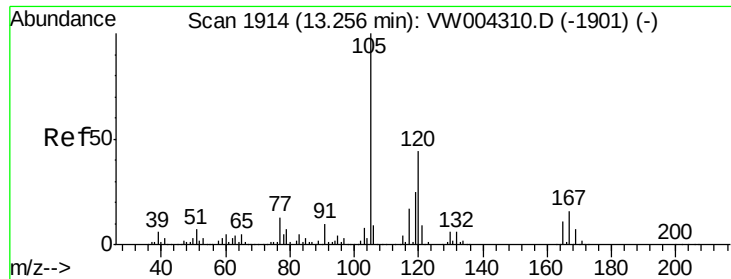
Tot Ion: 91 Resp: 20057
Ion Ratio Lower Upper
91 100
120 23.7 11.3 33.8



#80
1,3,5-Trimethylbenzene
Concen: 2.51 ug/l
RT: 12.94 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion:105 Resp: 2697
Ion Ratio Lower Upper
105 100
120 46.9 25.1 75.2

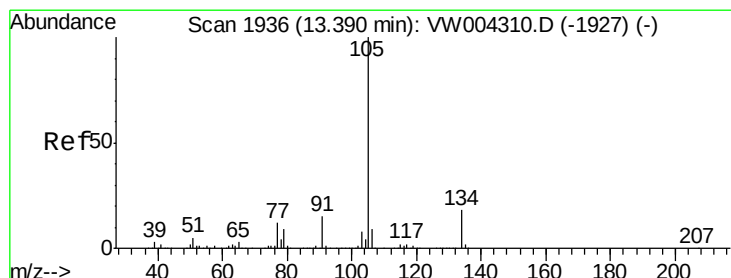
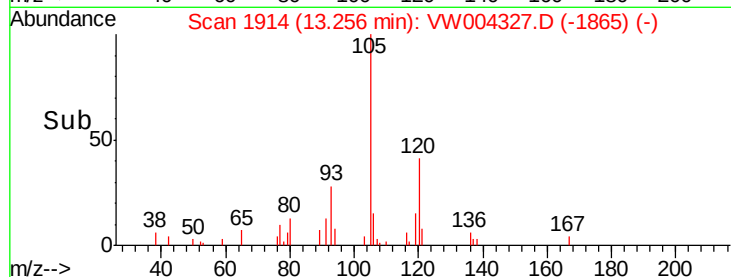
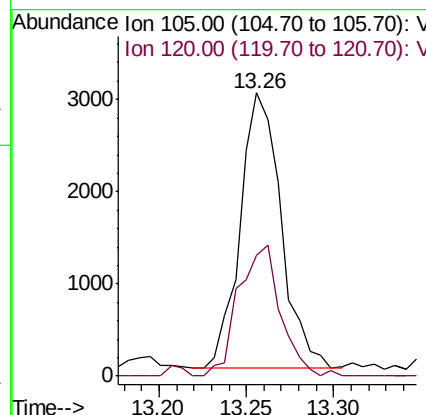
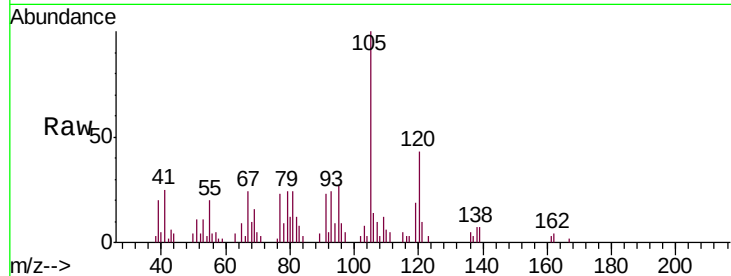




#84
 1,2,4-Trimethylbenzene
 Concen: 4.45 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

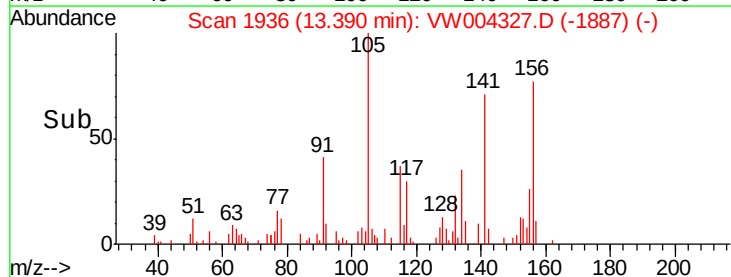
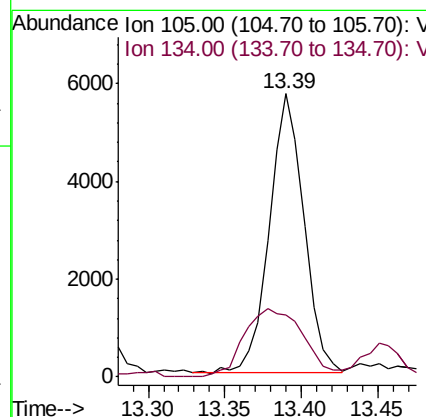
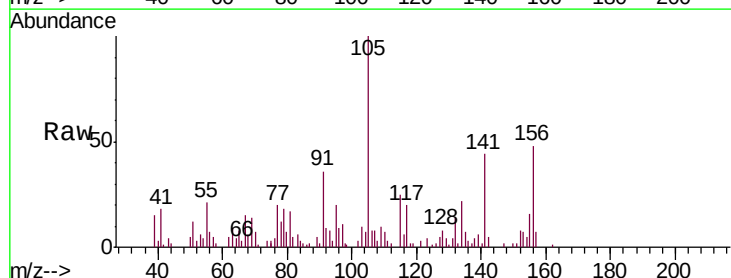
Instrument :
 MSVOA_W
 ClientSampleId :
 GW-04(10-12)

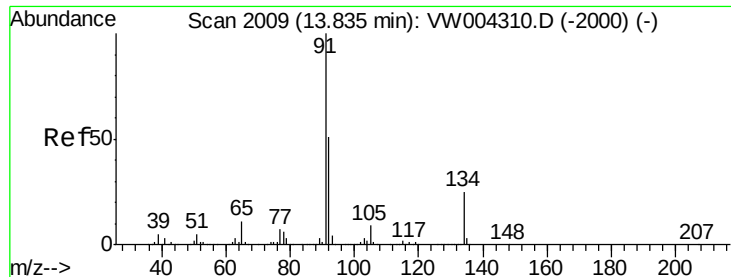
Tot Ion:105 Resp: 4886
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.7 68.0



#85
 sec-Butylbenzene
 Concen: 6.88 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion:105 Resp: 9015
 Ion Ratio Lower Upper
 105 100
 134 41.1 9.6 28.8#

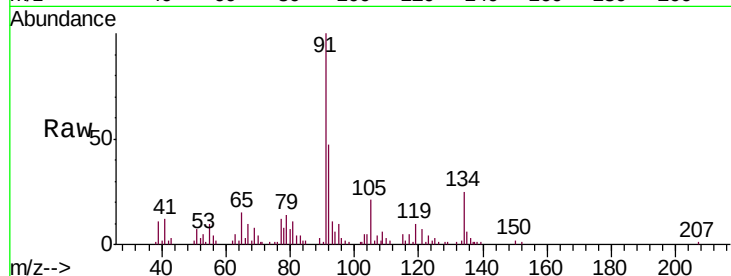




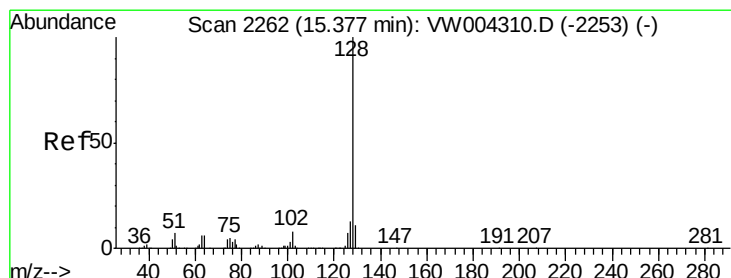
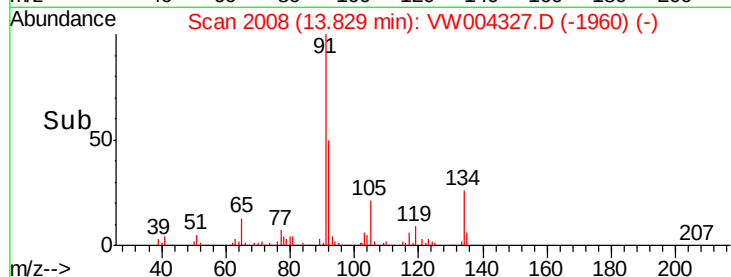
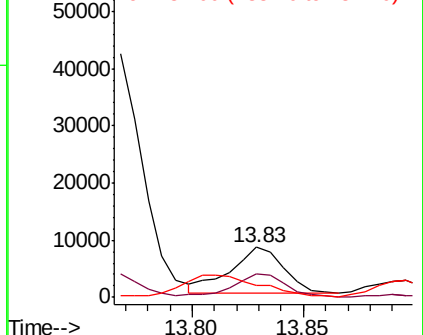
#89
n-Butylbenzene
Concen: 12.45 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :
GW-04(10-12)

Tot Ion: 91 Resp: 13676
Ion Ratio Lower Upper
91 100
92 44.9 26.4 79.2
134 0.0 12.9 38.6#

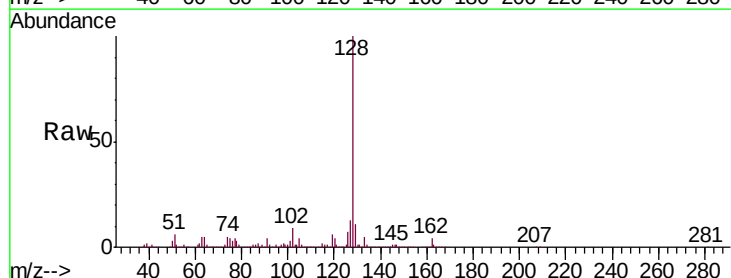


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#95
Naphthalene
Concen: 281.54 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion:128 Resp: 183976
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.7 8.6 13.0



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

