

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006659.D
 Acq On : 06 Nov 2018 02:53
 Operator : SY/AP
 Sample : J5764-05
 Misc : 6.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-110218-C

Quant Time: Nov 06 03:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	322643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113693	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	88503	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	7.88	113	47608	23.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.02%	
50) Toluene-d8	10.33	98	289399	37.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.08%	
62) 4-Bromofluorobenzene	12.62	95	90701	32.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.92%	

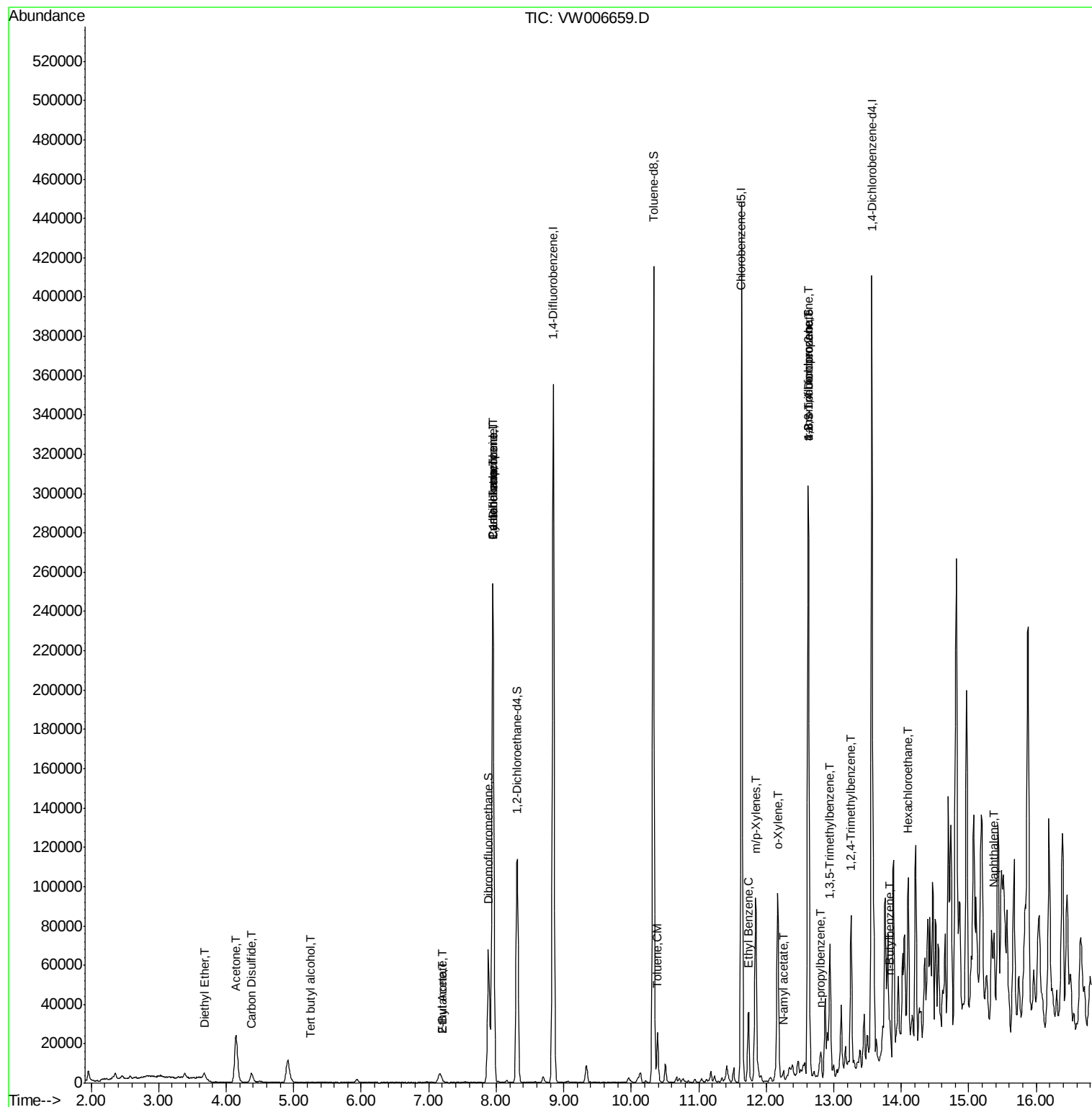
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2506	2.745	ug/l #	23
11) Tert butyl alcohol	5.24	59	178	1.820	ug/l #	84
16) Acetone	4.15	43	48528	165.591	ug/l	97
17) Carbon Disulfide	4.37	76	10963	2.237	ug/l	97
20) Methylene Chloride	4.92	84	10284	Below Cal		92
25) 2-Butanone	7.20	43	3064	7.327	ug/l	99
31) Cyclohexane	7.95	56	4361	1.508	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	12910	4.550	ug/l #	49
37) Ethyl Acetate	7.20	43	3064	3.116	ug/l #	66
38) Carbon Tetrachloride	7.95	117	18155	6.124	ug/l #	17
52) Toluene	10.39	92	10607	1.962	ug/l	98
67) Ethyl Benzene	11.74	91	24427	2.620	ug/l	97
68) m/p-Xylenes	11.84	106	23490	6.306	ug/l	98
69) o-Xylene	12.17	106	25952	7.318	ug/l	98
74) N-amyl acetate	12.25	43	1649	1.274	ug/l #	69
76) 1,2,3-Trichloropropane	12.62	75	44785	50.487	ug/l #	100
78) n-propylbenzene	12.81	91	10223	1.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	20617	3.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	44785	126.449	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	43900	6.802	ug/l	100
89) n-Butylbenzene	13.83	91	9102	1.434	ug/l #	72
90) Hexachloroethane	14.11	117	4423	3.763	ug/l #	3
95) Naphthalene	15.37	128	27911	6.799	ug/l #	95

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

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QLast Update : Thu Nov 01 03:48:08 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006659.D

Acq: 06 Nov 2018 02:53

Instrument :

MSVOA_W

ClientSampleId :

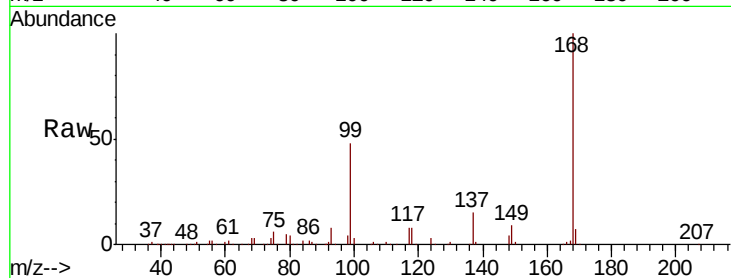
JC-03-110218-C

Tgt Ion:168 Resp: 211167

Ion Ratio Lower Upper

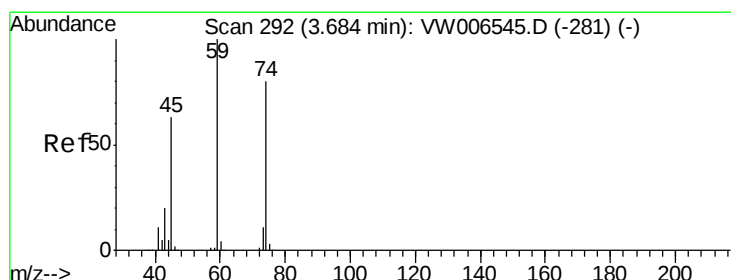
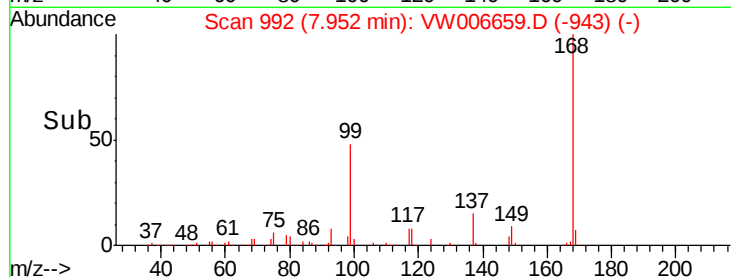
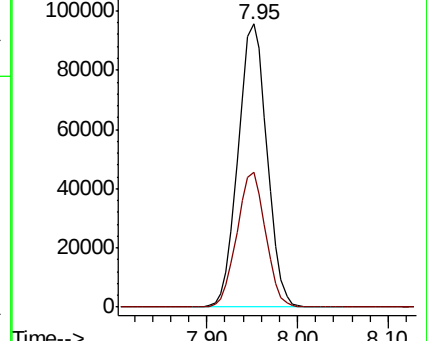
168 100

99 47.6 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.745 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006659.D

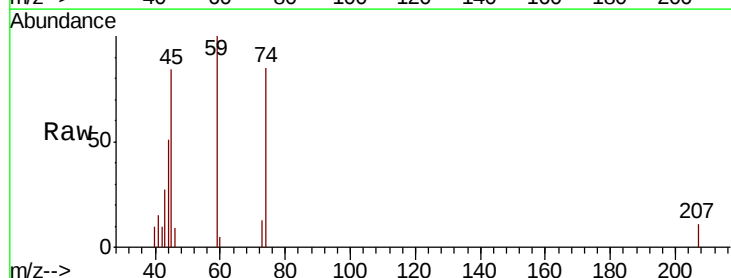
Acq: 06 Nov 2018 02:53

Tgt Ion: 74 Resp: 2506

Ion Ratio Lower Upper

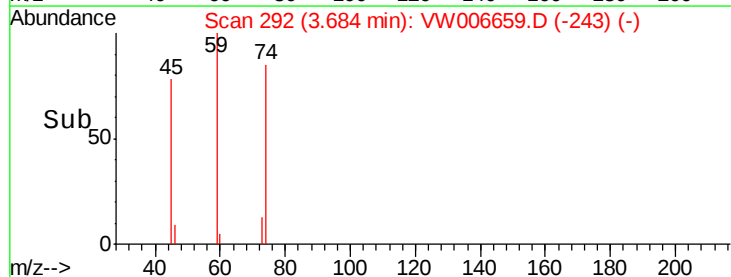
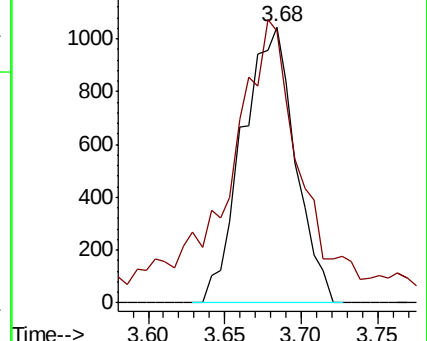
74 100

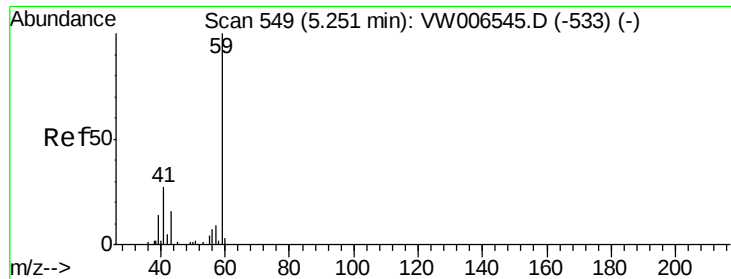
45 151.2 41.1 123.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

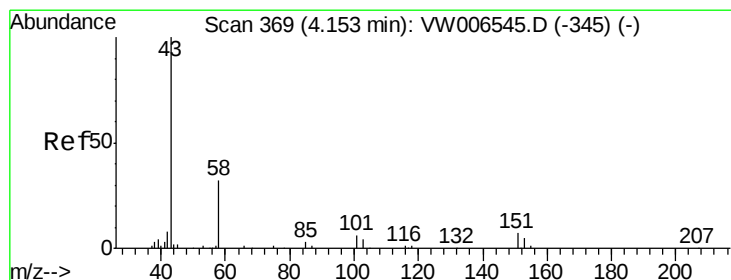
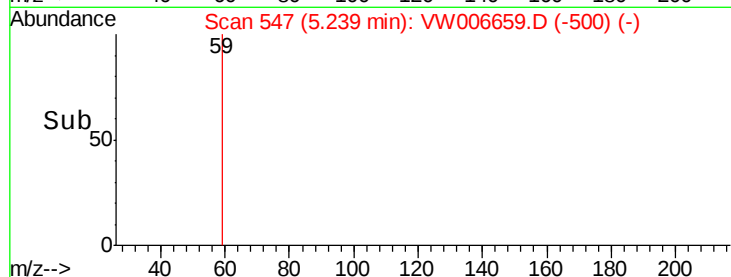
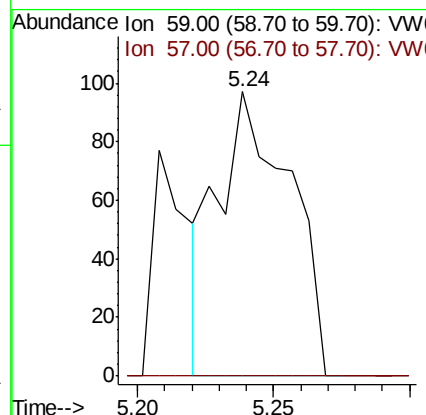
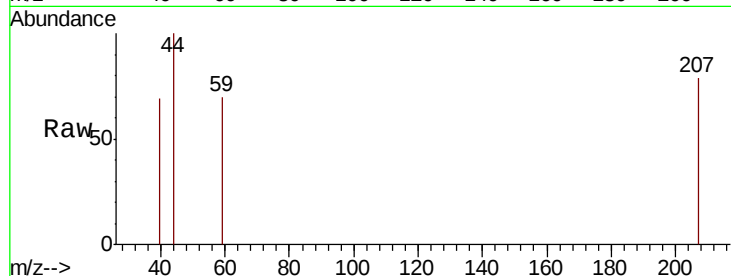




#11
Tert butyl alcohol
Concen: 1.820 ug/l
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

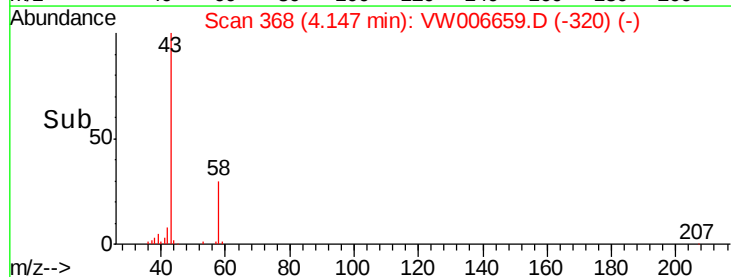
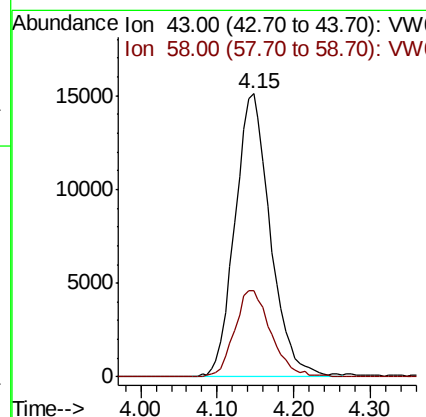
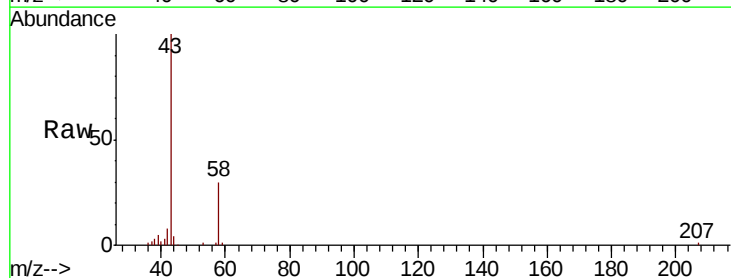
Instrument :
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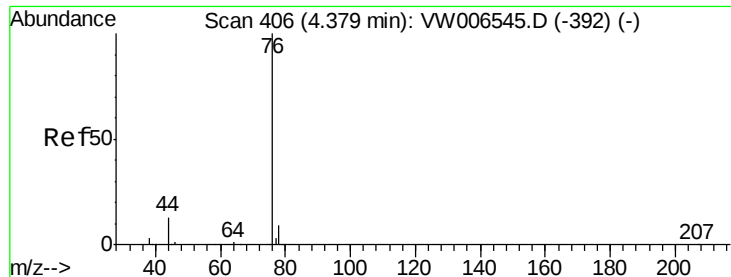
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: 165.591 ug/l
RT: 4.15 min Scan# 368
Delta R.T. -0.01 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion: 43 Resp: 48528
Ion Ratio Lower Upper
43 100
58 30.4 25.8 38.8





#17

Carbon Disulfide

Concen: 2.237 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006659.D

Acq: 06 Nov 2018 02:53

Instrument :

MSVOA_W

ClientSampleId :

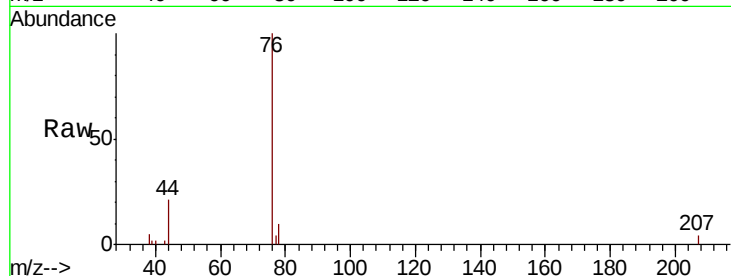
JC-03-110218-C

Tgt Ion: 76 Resp: 10963

Ion Ratio Lower Upper

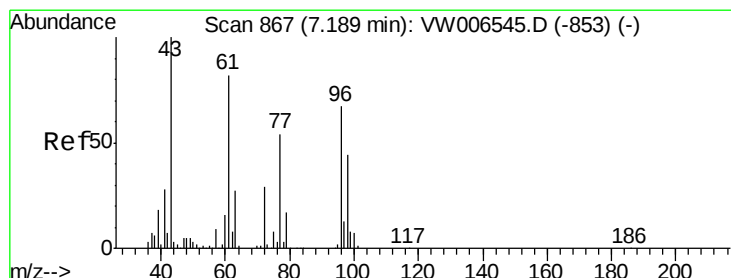
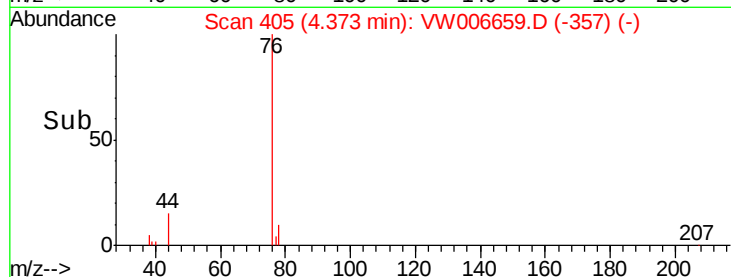
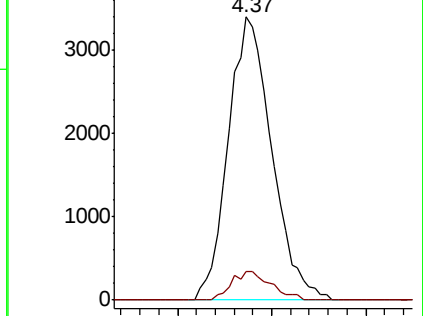
76 100

78 10.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 7.327 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.01 min

Lab File: VW006659.D

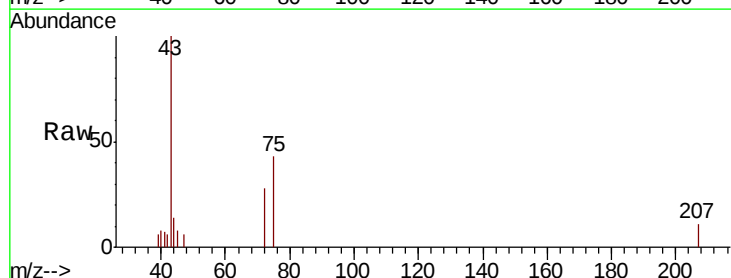
Acq: 06 Nov 2018 02:53

Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

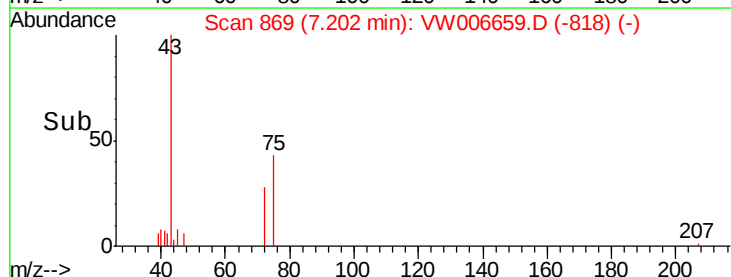
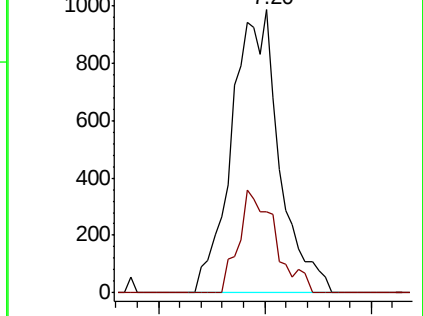
43 100

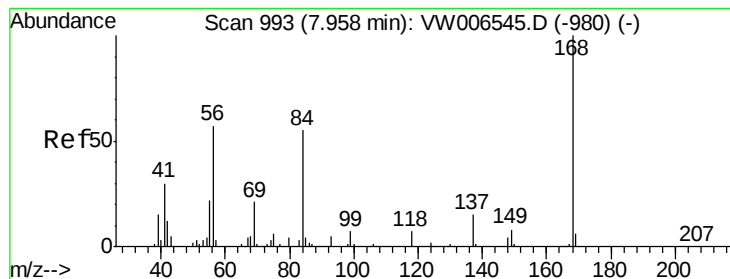
72 28.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.508 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006659.D

Acq: 06 Nov 2018 02:53

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JC-03-110218-C

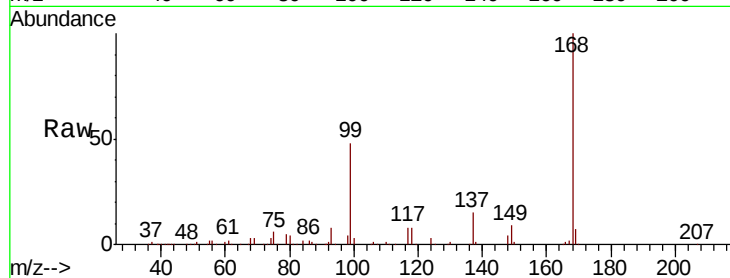
Tgt Ion: 56 Resp: 4361

Ion Ratio Lower Upper

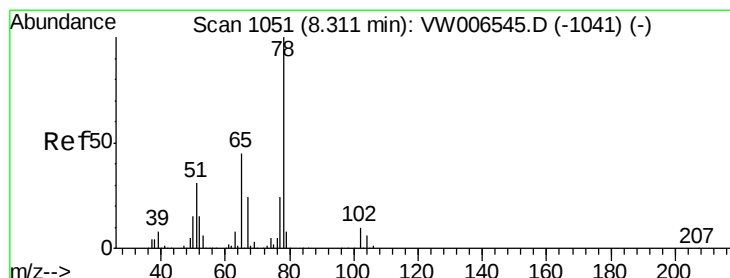
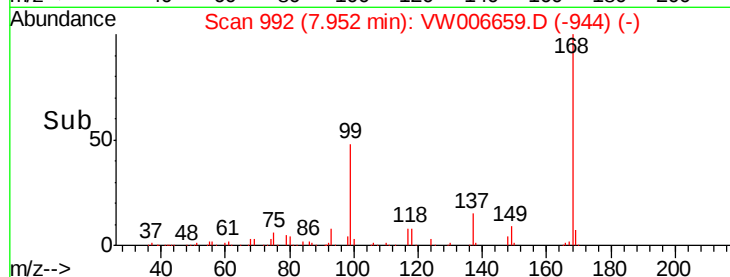
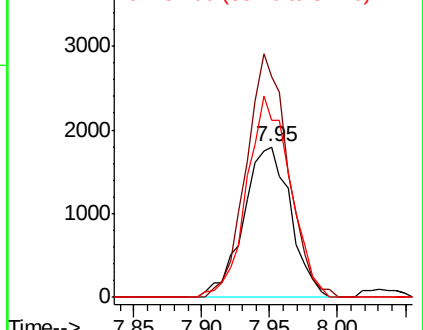
56 100

69 147.0 29.0 43.4#

84 118.0 77.8 116.6#



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



#33

1,2-Dichloroethane-d4

Concen: 48.757 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006659.D

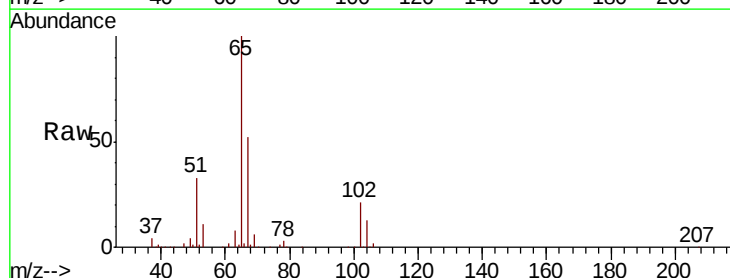
Acq: 06 Nov 2018 02:53

Tgt Ion: 65 Resp: 88503

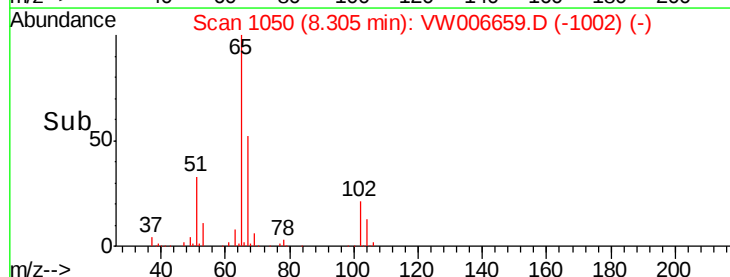
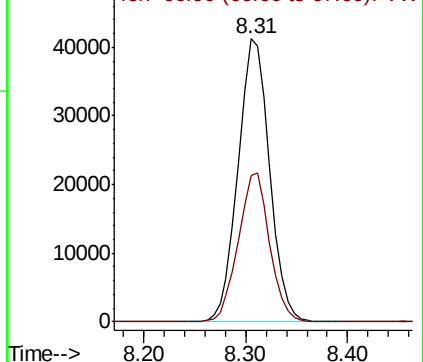
Ion Ratio Lower Upper

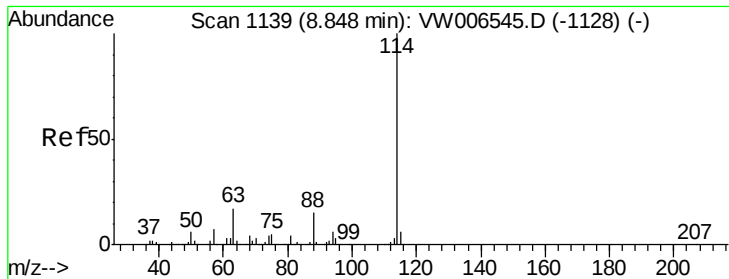
65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

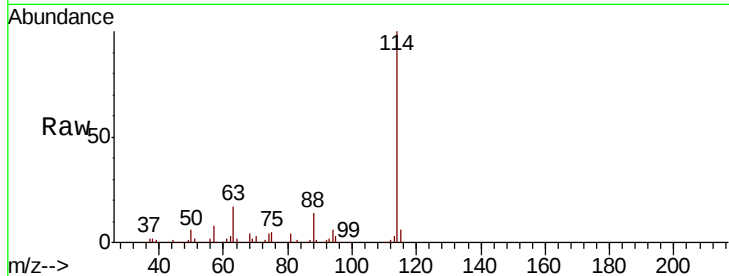




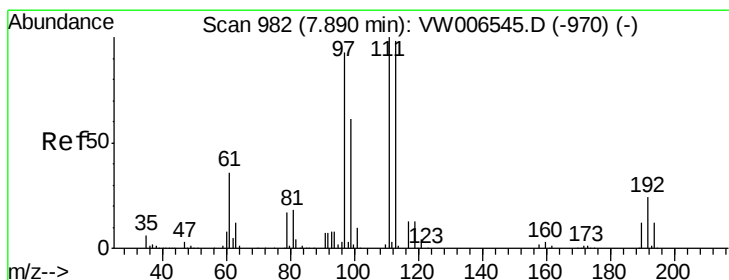
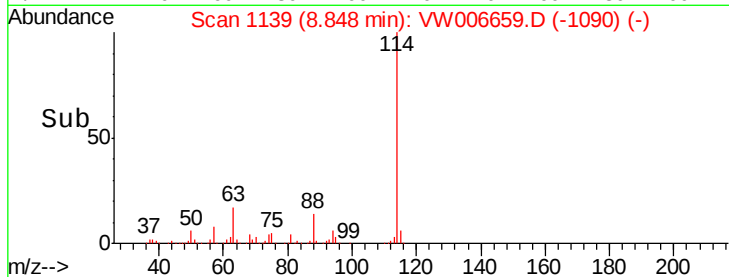
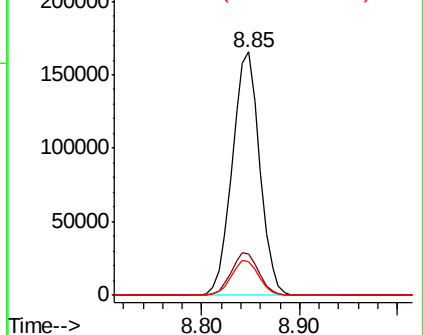
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-110218-C

Tgt Ion:114 Resp: 322643
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 34.4
 88 13.7 0.0 29.0

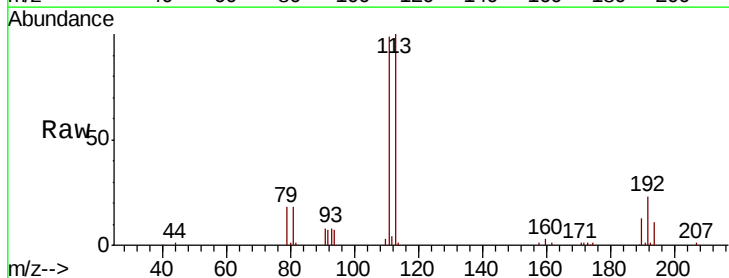


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

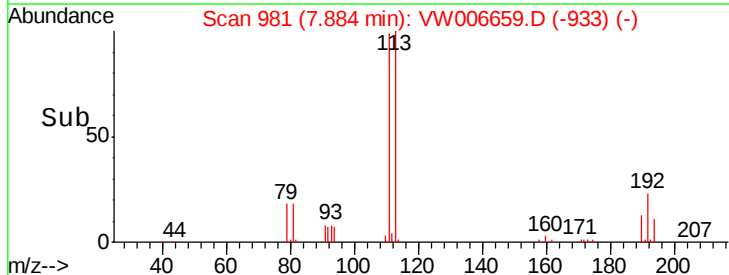
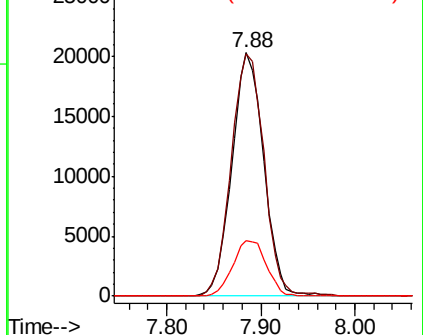


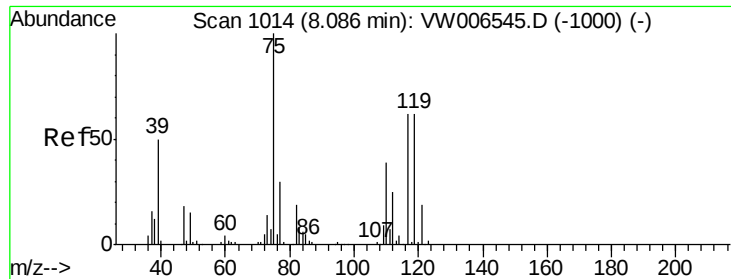
#35
 Dibromofluoromethane
 Concen: 23.512 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Tgt Ion:113 Resp: 47608
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.2
 192 23.9 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

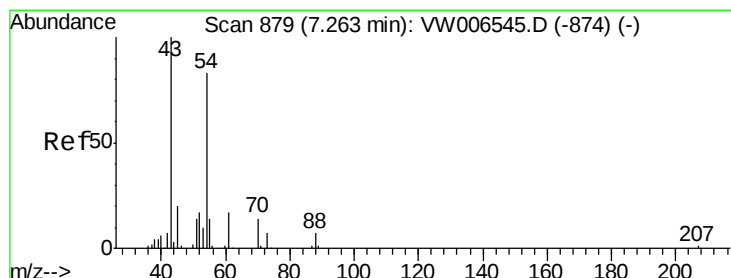
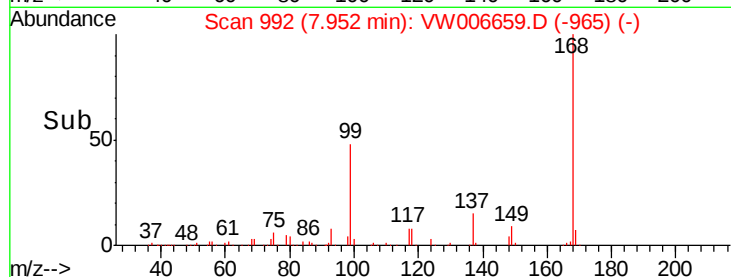
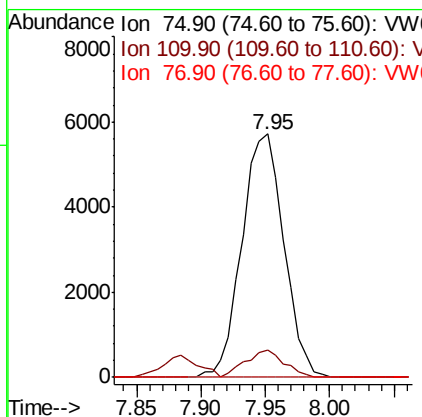
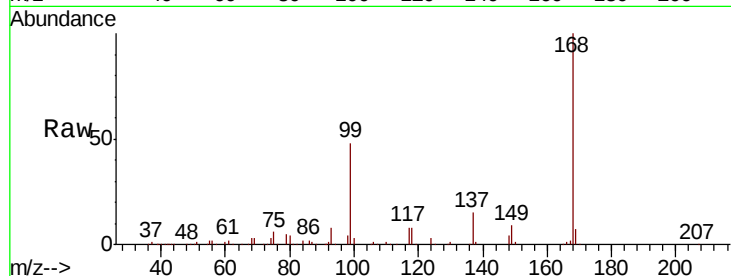




#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

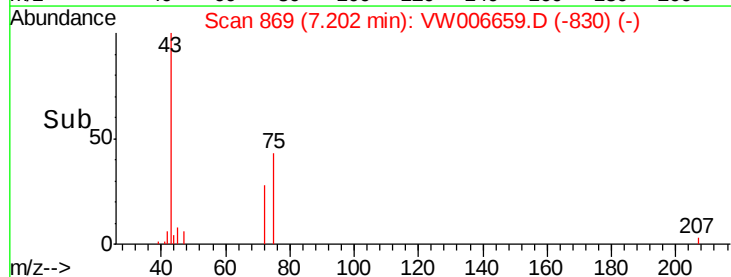
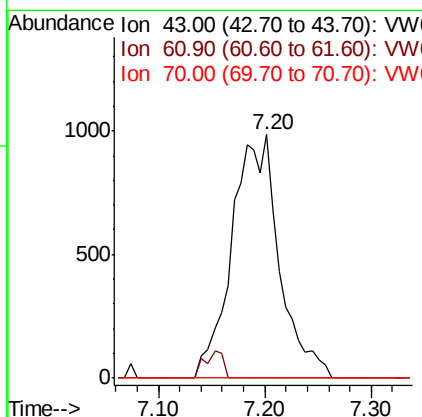
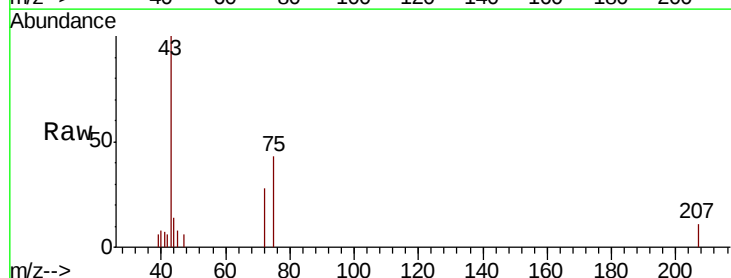
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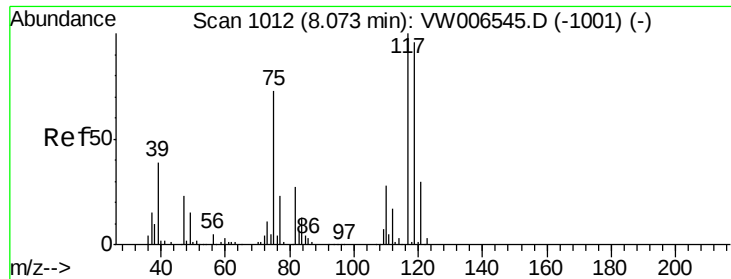
Tgt Ion: 75 Resp: 12910
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 3.116 ug/l
 RT: 7.20 min Scan# 869
 Delta R.T. -0.06 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Tgt Ion: 43 Resp: 3064
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 9.8 14.6#

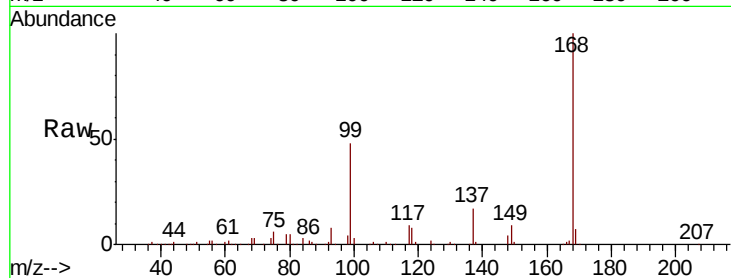




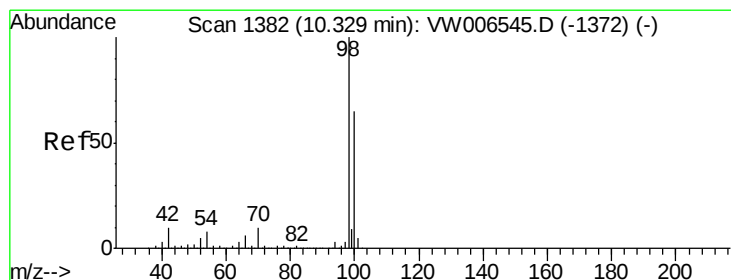
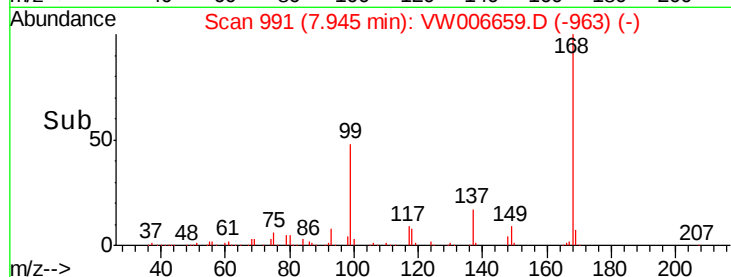
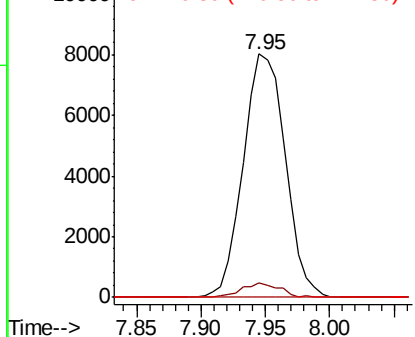
#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-C

Tgt Ion:117 Resp: 18155
Ion Ratio Lower Upper
117 100
119 6.1 76.3 114.5#
121 0.0 24.1 36.1#

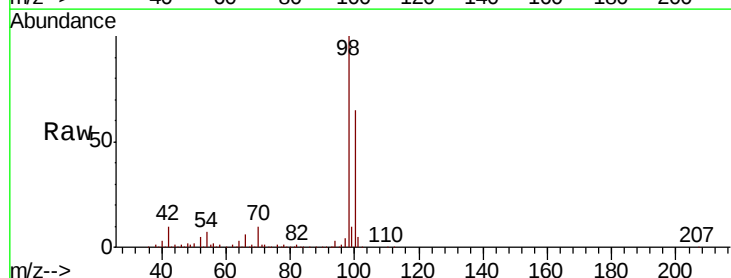


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

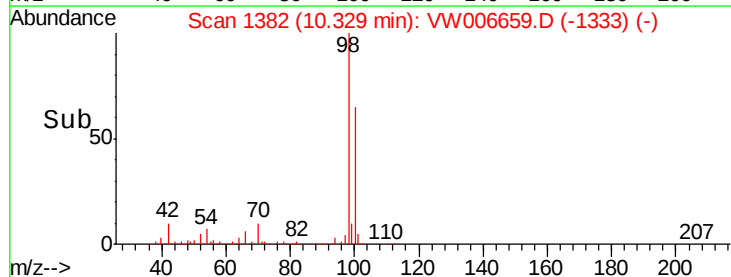
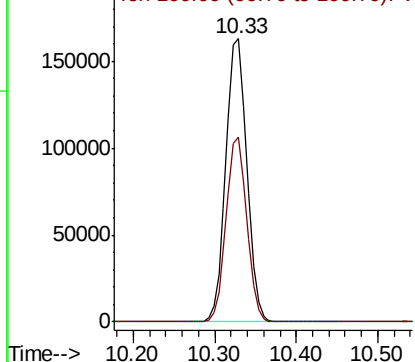


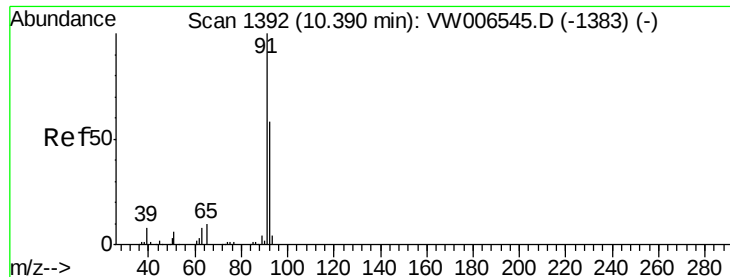
#50
Toluene-d8
Concen: 37.544 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion: 98 Resp: 289399
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.962 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006659.D

Acq: 06 Nov 2018 02:53

Instrument :

MSVOA_W

ClientSampleId :

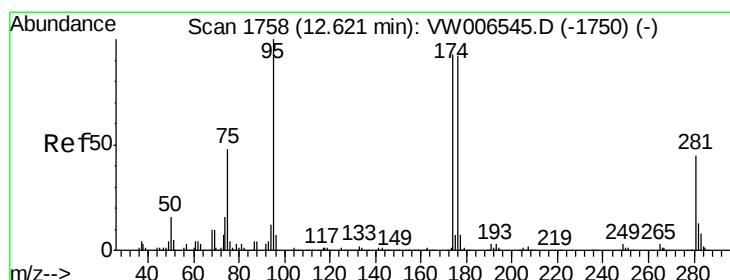
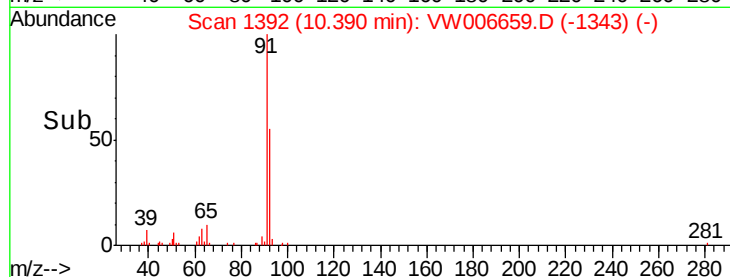
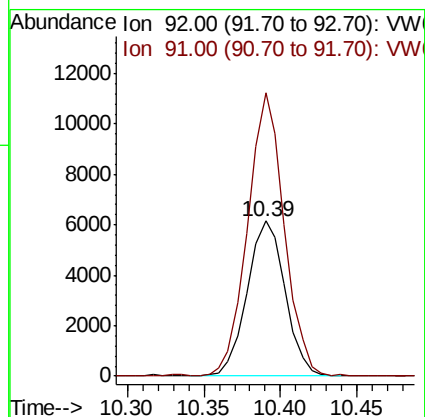
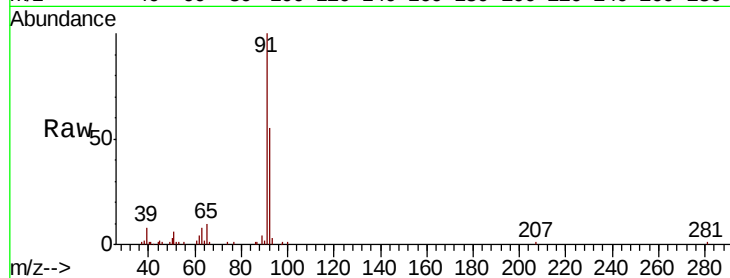
JC-03-110218-C

Tgt Ion: 92 Resp: 10607

Ion Ratio Lower Upper

92 100

91 175.7 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 32.457 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006659.D

Acq: 06 Nov 2018 02:53

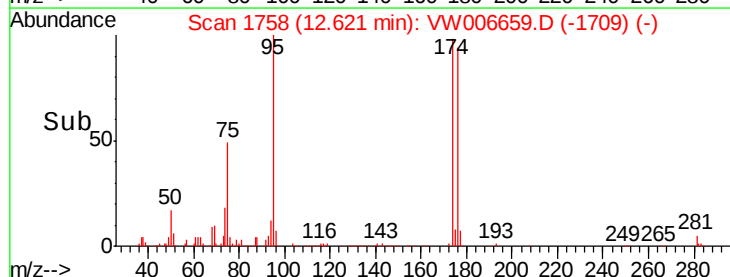
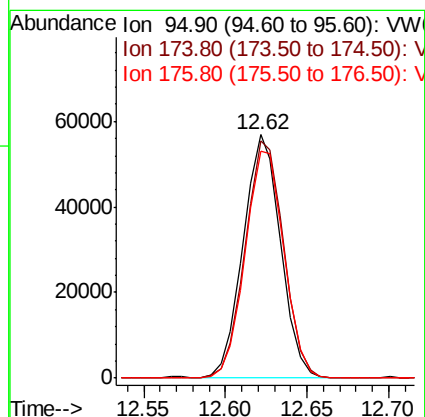
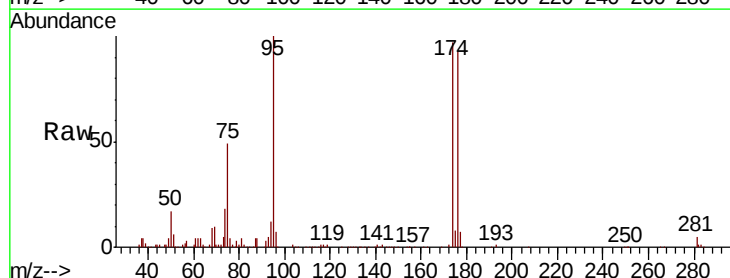
Tgt Ion: 95 Resp: 90701

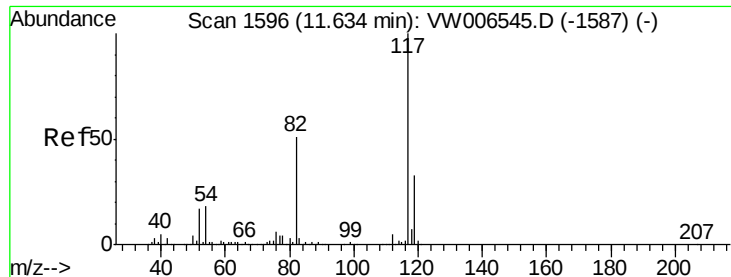
Ion Ratio Lower Upper

95 100

174 100.4 0.0 192.4

176 97.0 0.0 187.4

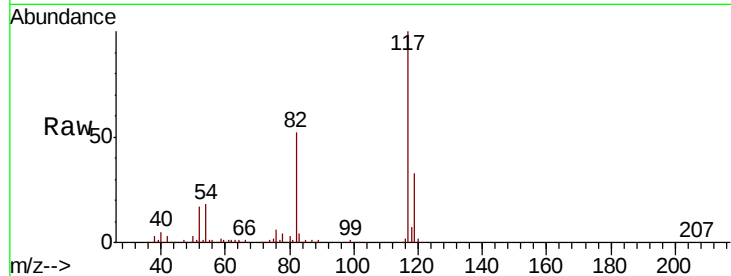




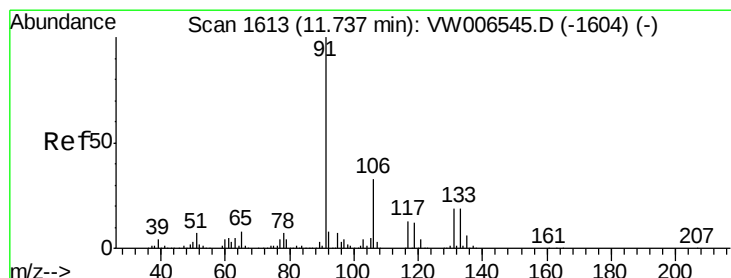
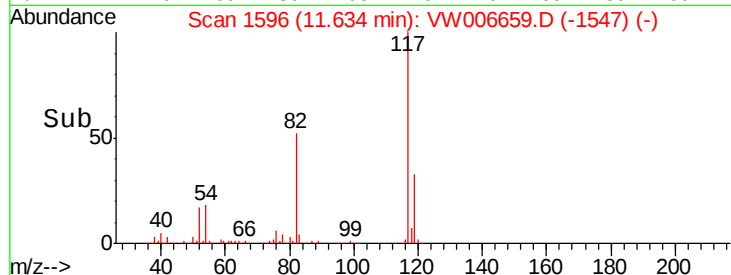
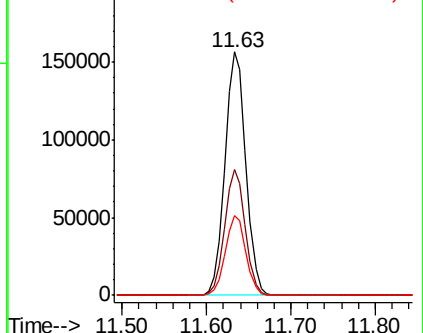
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-C

Tgt Ion: 117 Resp: 265074
Ion Ratio Lower Upper
117 100
82 51.5 40.8 61.2
119 33.0 26.1 39.1

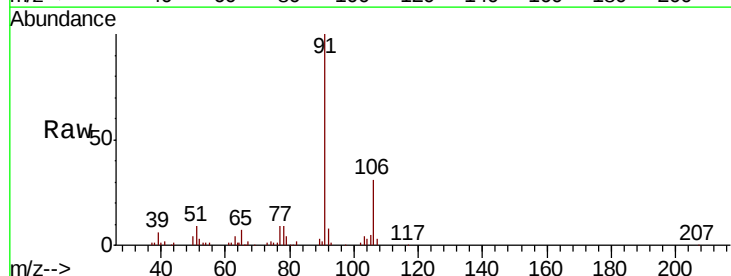


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

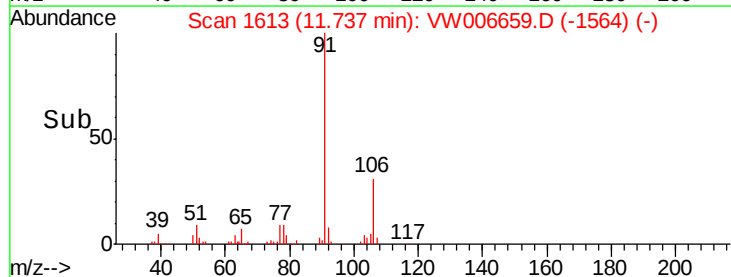
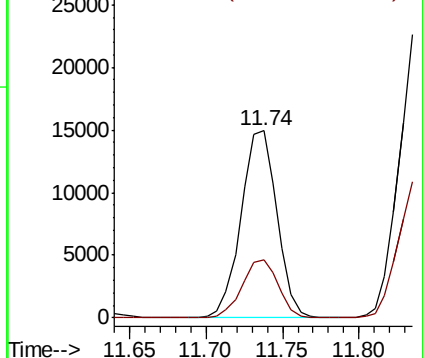


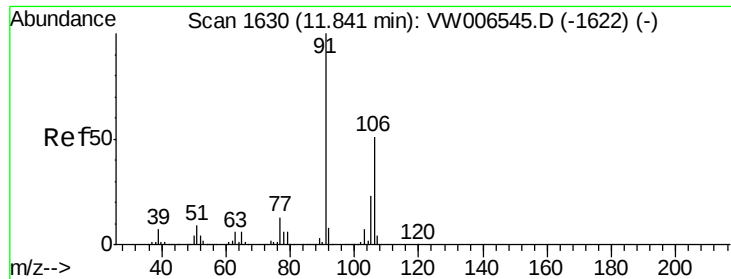
#67
Ethyl Benzene
Concen: 2.620 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion: 91 Resp: 24427
Ion Ratio Lower Upper
91 100
106 31.2 26.3 39.5



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

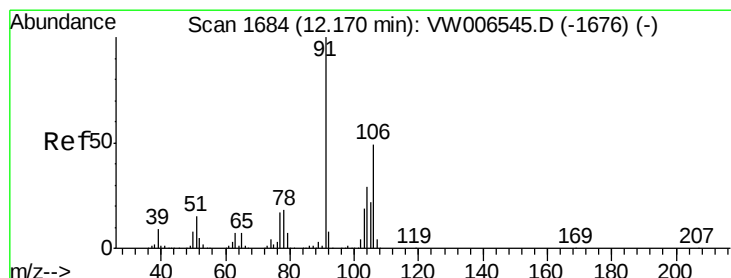
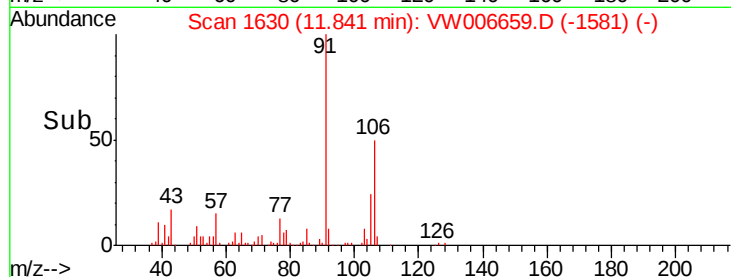
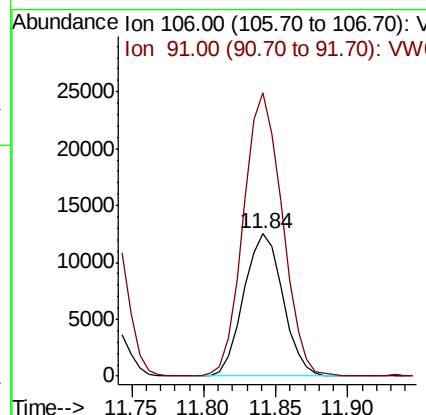
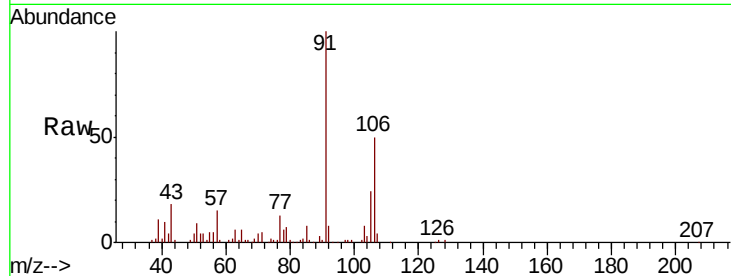




#68
m/p-Xylenes
Concen: 6.306 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

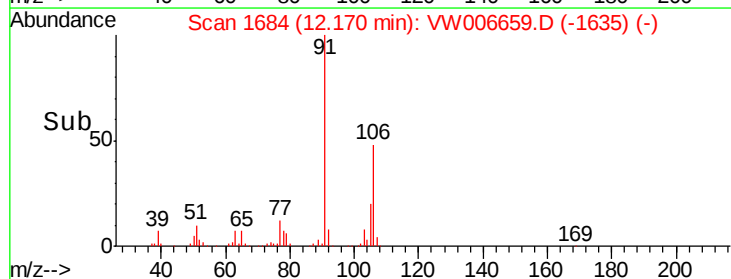
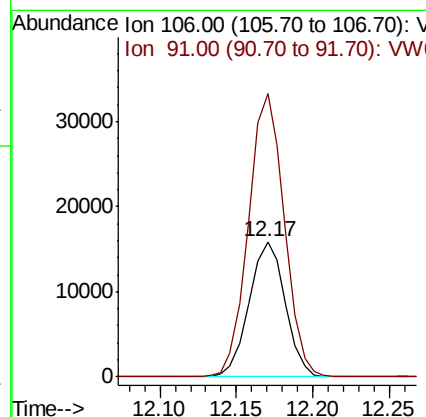
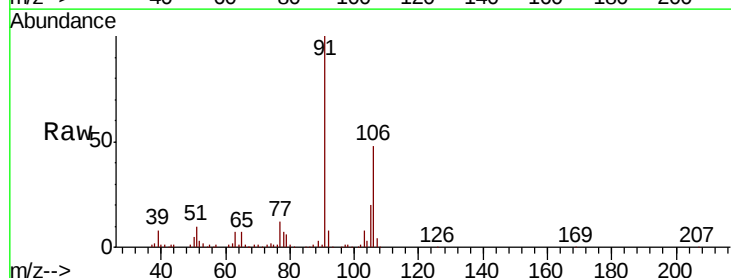
Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-C

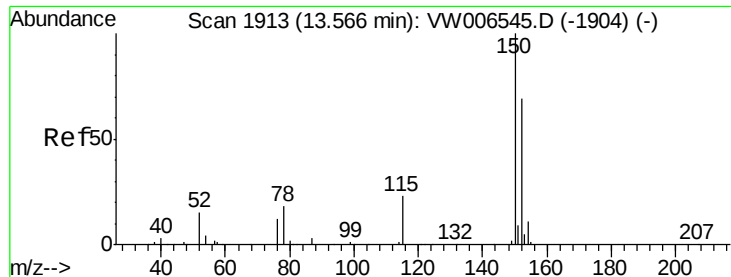
Tgt Ion:106 Resp: 23490
Ion Ratio Lower Upper
106 100
91 198.6 156.7 235.1



#69
o-Xylene
Concen: 7.318 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion:106 Resp: 25952
Ion Ratio Lower Upper
106 100
91 209.0 102.8 308.4



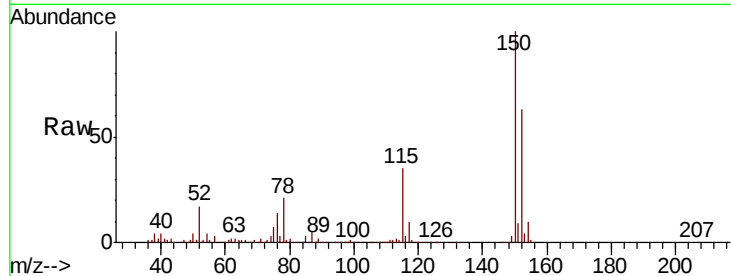


#72

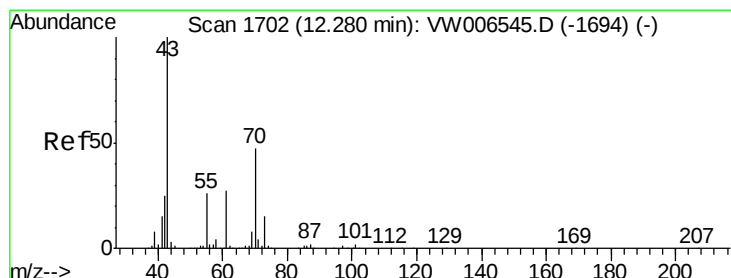
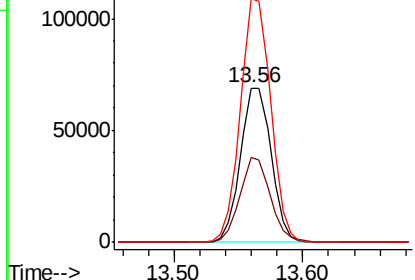
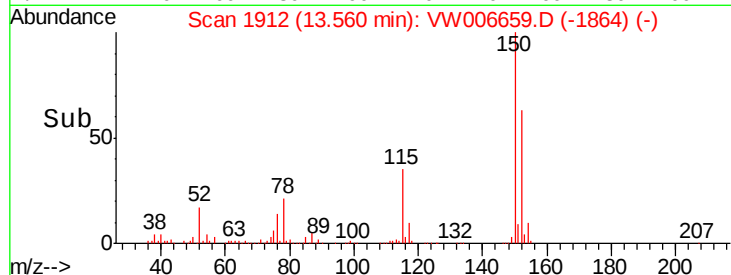
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-C

Tgt Ion:152 Resp: 113693
Ion Ratio Lower Upper
152 100
115 55.0 26.6 79.8
150 155.9 0.0 344.6



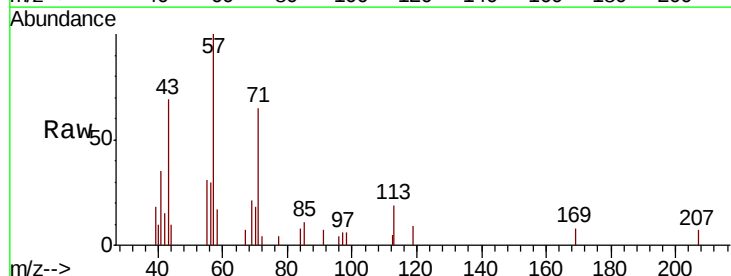
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



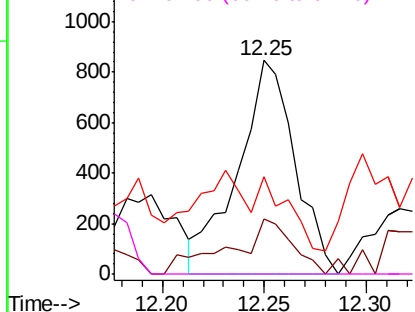
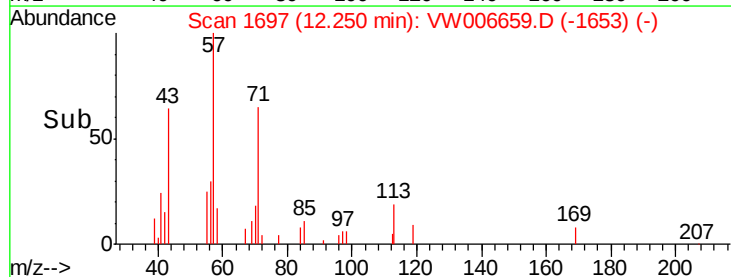
#74

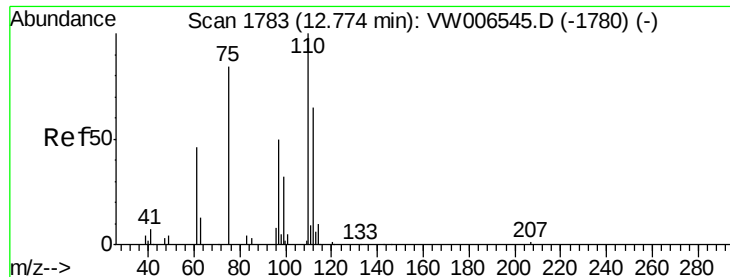
N-ethyl acetate
Concen: 1.274 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.03 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
70 28.3 36.9 55.3#
55 15.8 20.7 31.1#
61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

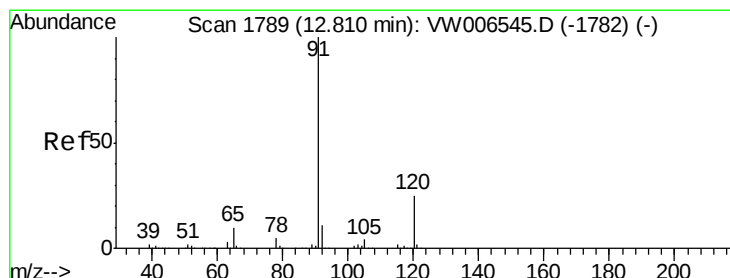
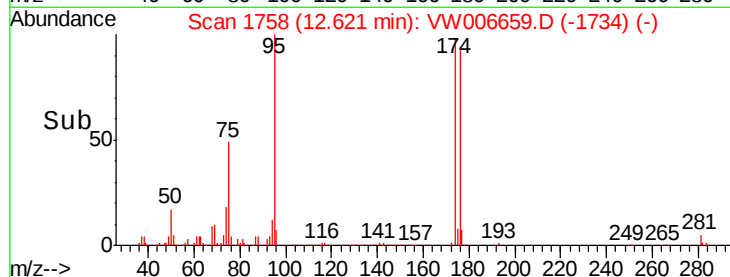
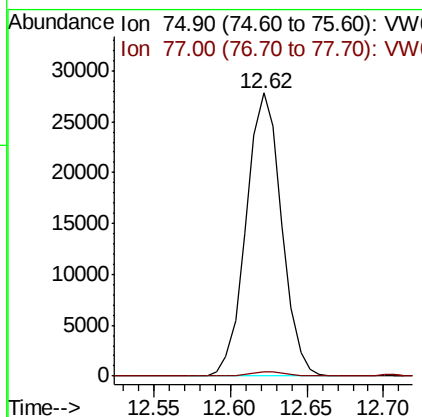
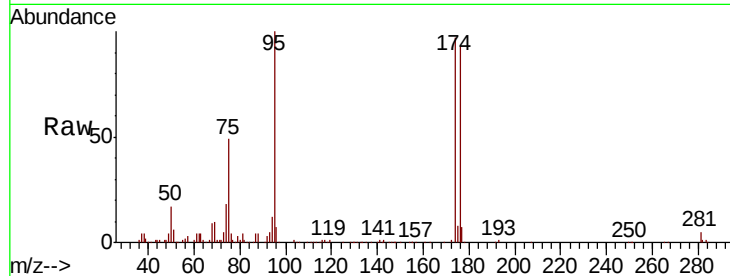




#76
 1,2,3-Trichloropropane
 Concen: 50.487 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

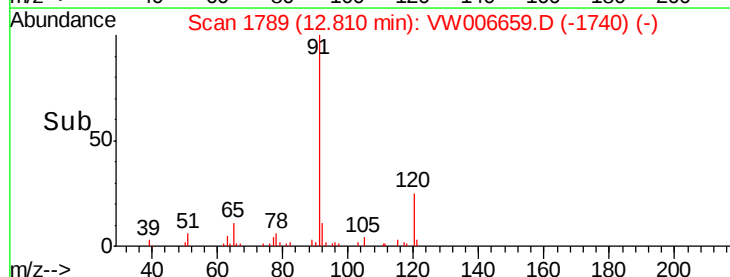
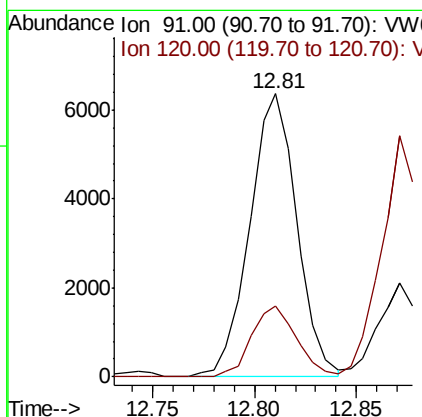
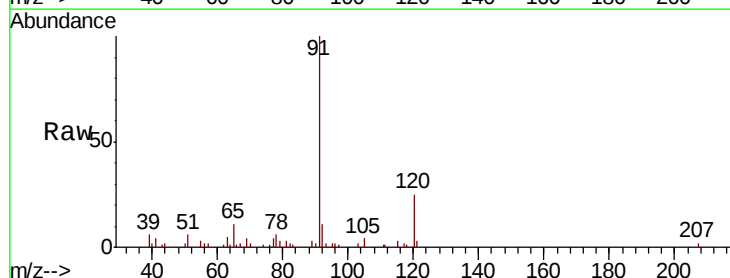
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-110218-C

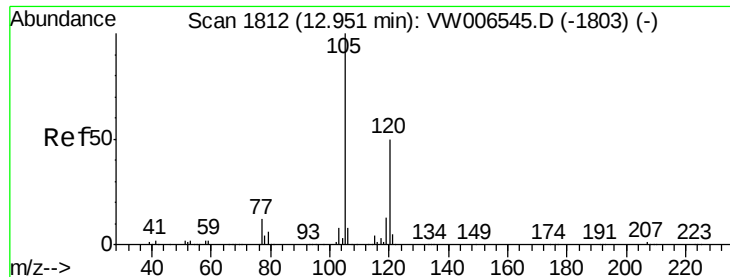
Tgt Ion: 75 Resp: 44785
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#78
 n-propylbenzene
 Concen: 1.187 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Tgt Ion: 91 Resp: 10223
 Ion Ratio Lower Upper
 91 100
 120 24.0 12.4 37.0

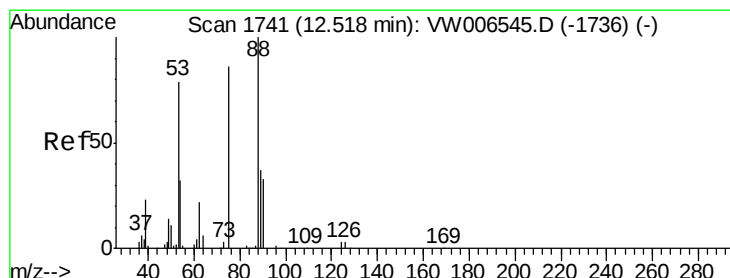
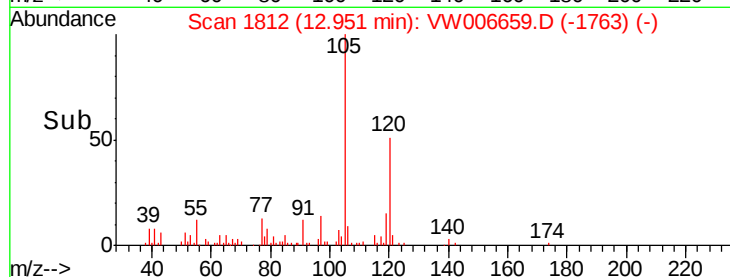
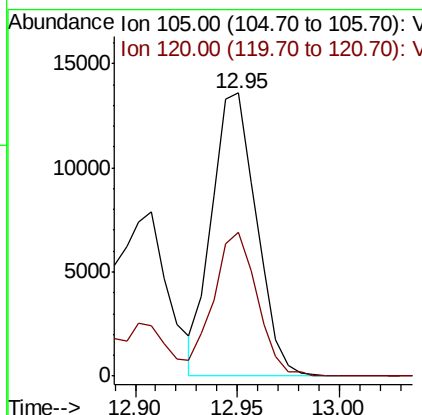
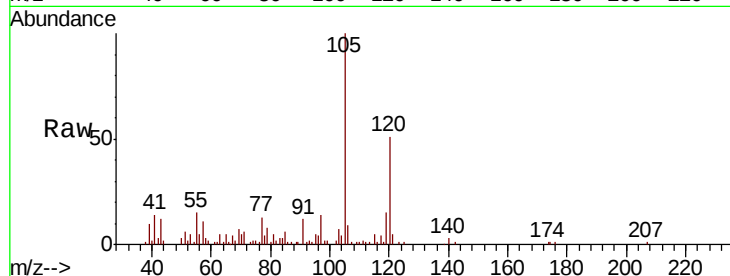




#80
 1,3,5-Trimethylbenzene
 Concen: 3.277 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

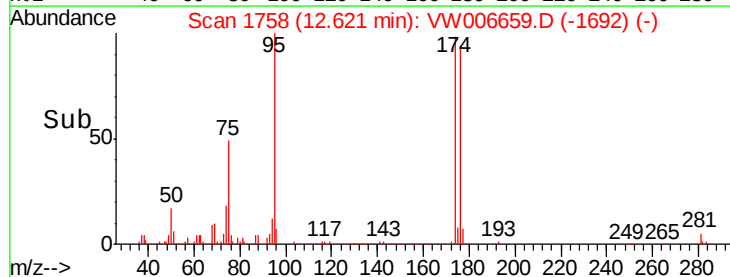
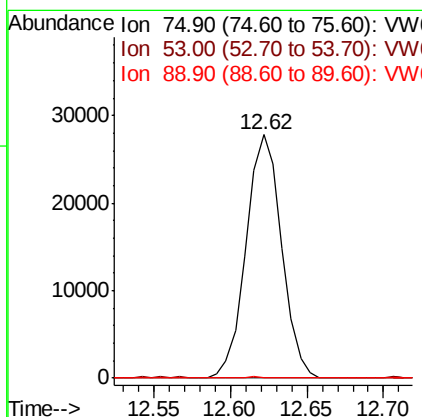
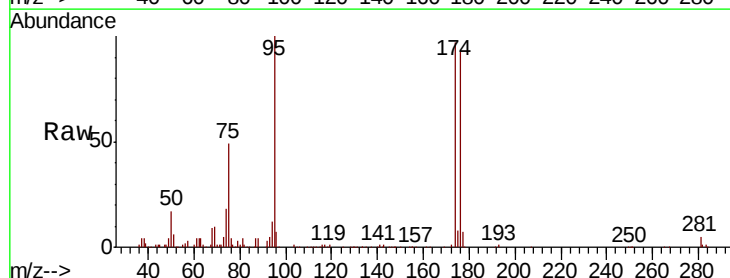
Instrument :
 MSVOA_W
 ClientSampled :
 JC-03-110218-C

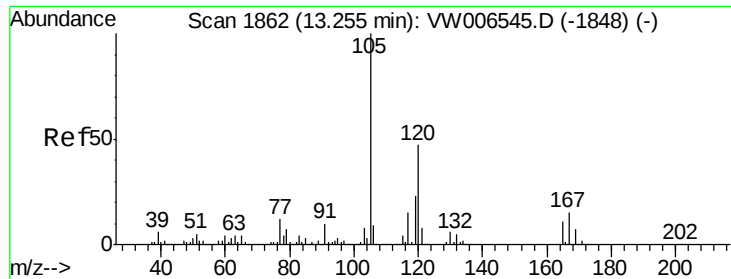
Tgt Ion: 105 Resp: 20617
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.449 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Tgt Ion: 75 Resp: 44785
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.2 115.8#
 89 0.1 38.6 58.0#

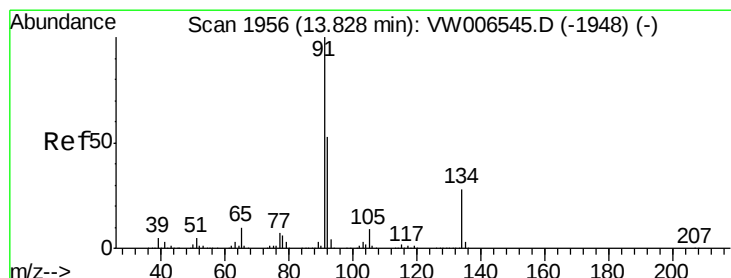
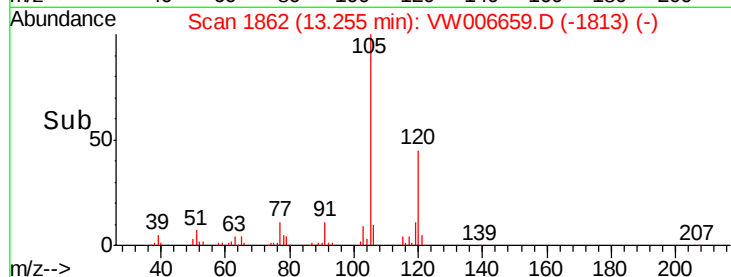
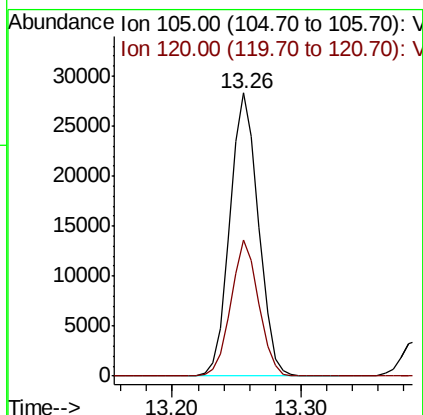
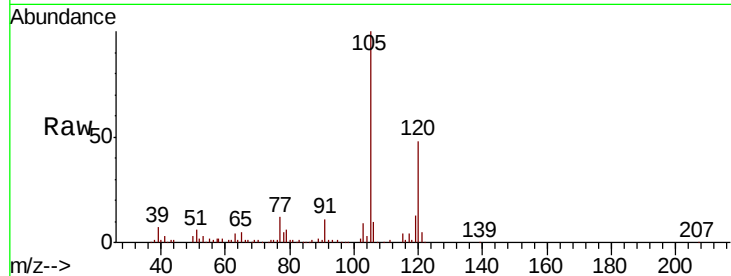




#84
 1,2,4-Trimethylbenzene
 Concen: 6.802 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

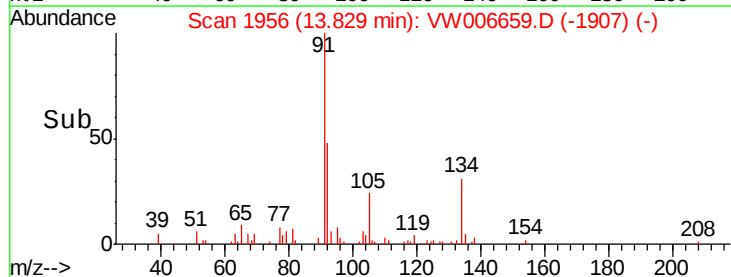
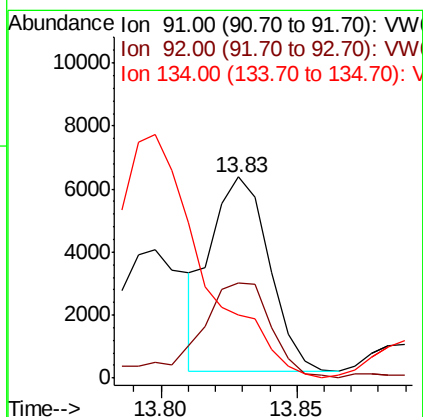
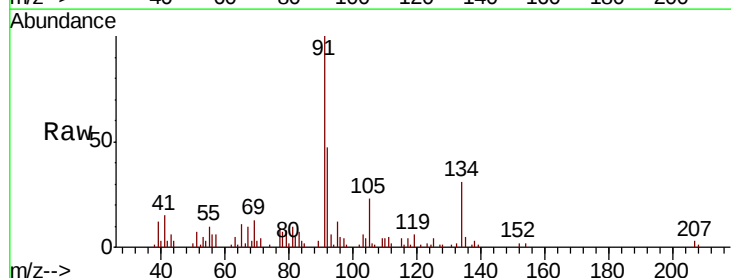
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-110218-C

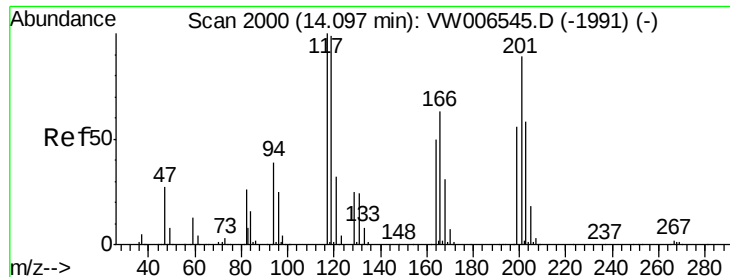
Tgt Ion: 105 Resp: 43900
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6



#89
 n-Butylbenzene
 Concen: 1.434 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW006659.D
 Acq: 06 Nov 2018 02:53

Tgt Ion: 91 Resp: 9102
 Ion Ratio Lower Upper
 91 100
 92 62.7 26.4 79.0
 134 0.0 14.3 42.9#

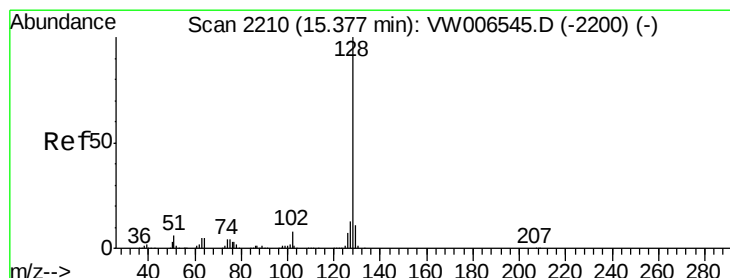
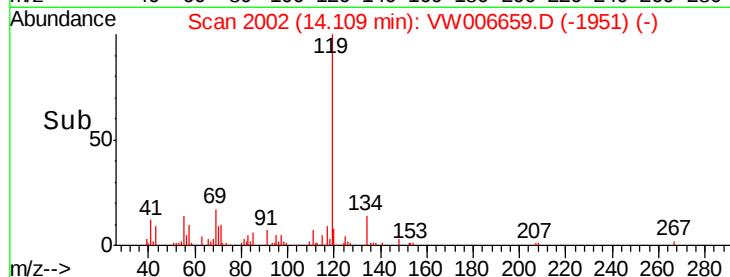
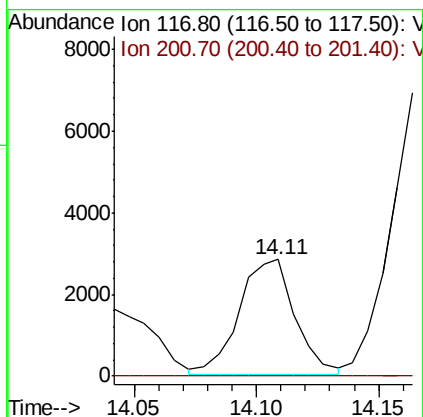
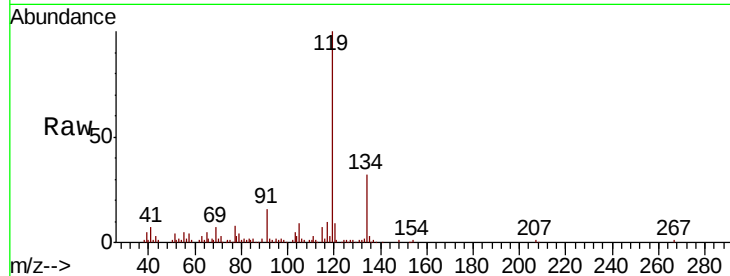




#90
Hexachloroethane
Concen: 3.763 ug/l
RT: 14.11 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-C

Tgt Ion:117 Resp: 4423
Ion Ratio Lower Upper
117 100
201 0.0 46.8 140.3#



#95
Naphthalene
Concen: 6.799 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006659.D
Acq: 06 Nov 2018 02:53

Tgt Ion:128 Resp: 27911
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 13.4 8.7 13.1#

