

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006661.D
 Acq On : 06 Nov 2018 03:45
 Operator : SY/AP
 Sample : J5764-09
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Nov 06 05:36:39 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	229547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	354757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	122986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	89532	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
35) Dibromofluoromethane	7.88	113	1286	0.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.16%	
50) Toluene-d8	10.33	98	304770	35.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.92%	
62) 4-Bromofluorobenzene	12.62	95	91770	29.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.74%	

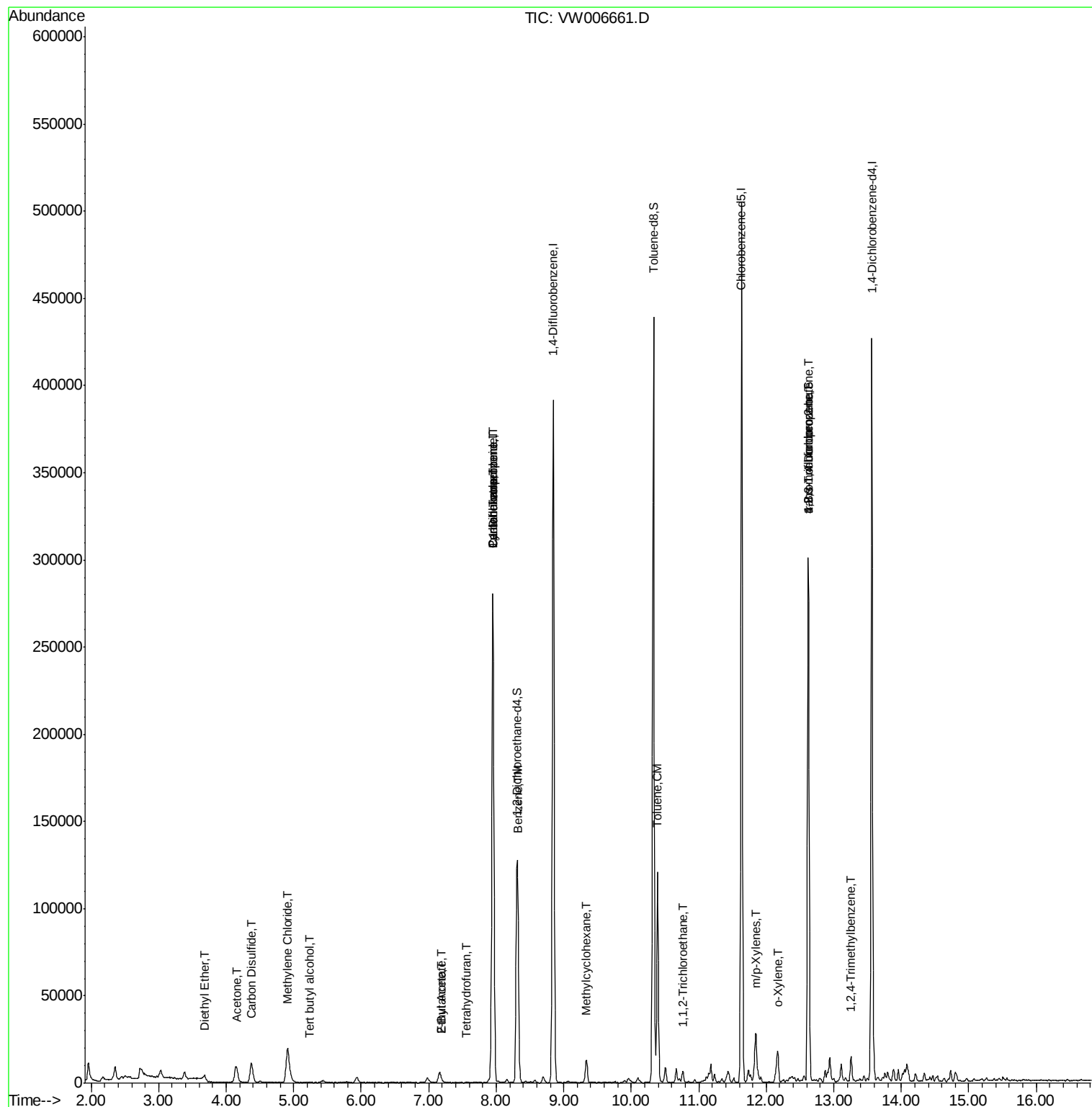
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2175	2.192	ug/l	67
11) Tert butyl alcohol	5.23	59	128	1.204	ug/l #	84
16) Acetone	4.15	43	19353	60.750	ug/l	93
17) Carbon Disulfide	4.37	76	25879	4.857	ug/l	98
20) Methylene Chloride	4.91	84	17063	2.602	ug/l	93
25) 2-Butanone	7.20	43	2252	4.954	ug/l	98
29) Tetrahydrofuran	7.56	42	294	1.028	ug/l #	45
31) Cyclohexane	7.95	56	6766	2.153	ug/l #	60
36) 1,1-Dichloropropene	7.95	75	13927	4.464	ug/l #	49
37) Ethyl Acetate	7.20	43	2252	2.083	ug/l #	66
38) Carbon Tetrachloride	7.95	117	19950	6.120	ug/l #	15
39) Methylcyclohexane	9.34	83	5595	1.413	ug/l	97
40) Benzene	8.32	78	31693	3.577	ug/l	99
52) Toluene	10.39	92	50724	8.535	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	2641	1.535	ug/l #	19
68) m/p-Xylenes	11.84	106	7312	1.746	ug/l	99
69) o-Xylene	12.17	106	4255	1.067	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	44923	46.816	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44923	117.448	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	8087	1.158	ug/l	98

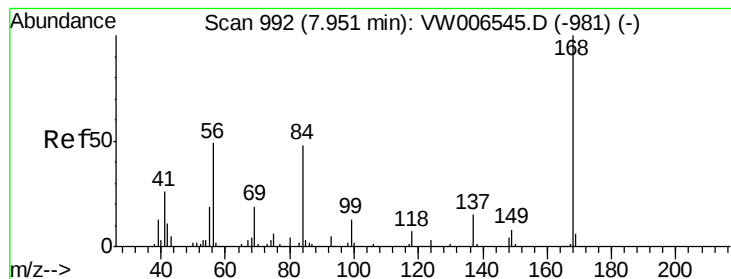
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 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: VW006661.D

Acq: 06 Nov 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

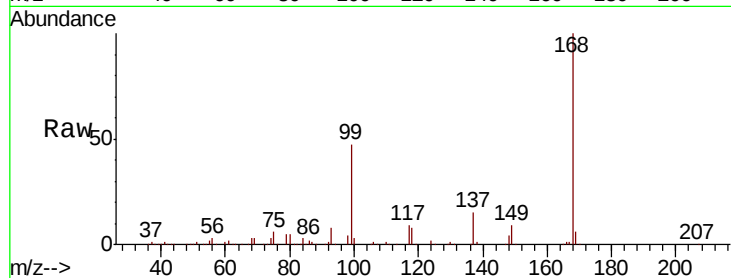
JC-03-110218-E

Tgt Ion:168 Resp: 229547

Ion Ratio Lower Upper

168 100

99 46.6 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

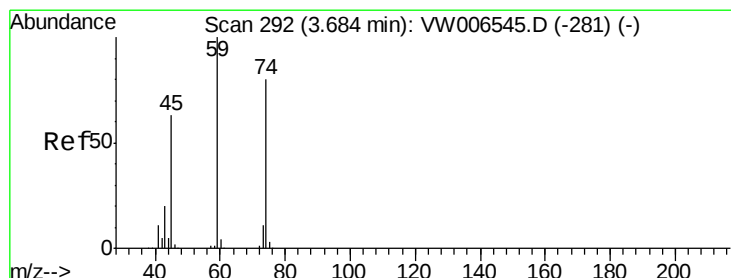
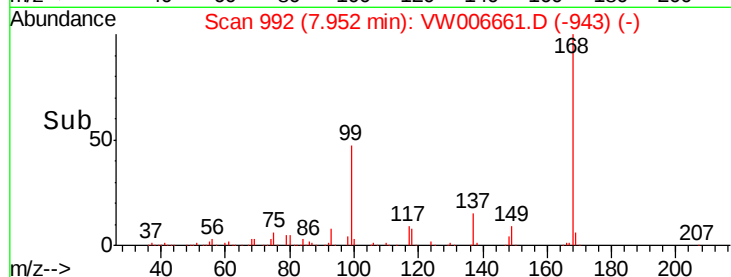
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.192 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006661.D

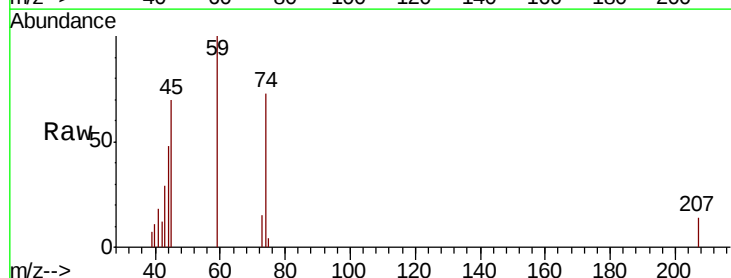
Acq: 06 Nov 2018 03:45

Tgt Ion: 74 Resp: 2175

Ion Ratio Lower Upper

74 100

45 112.2 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

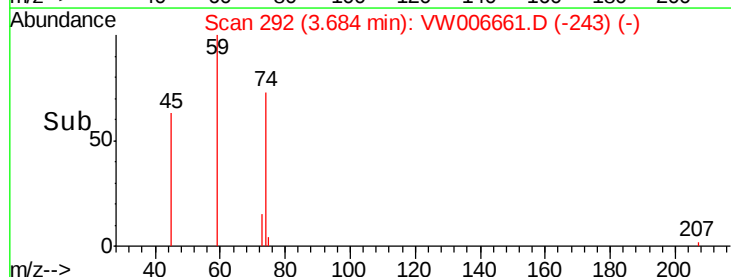
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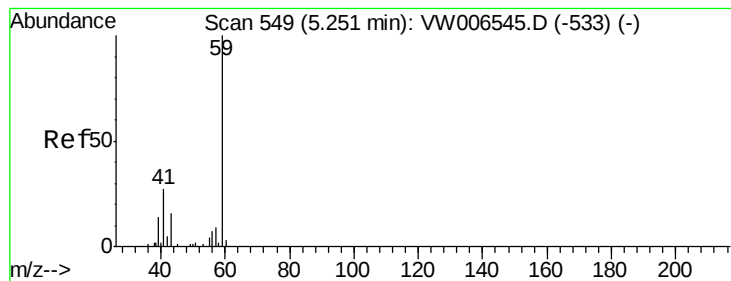
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200

0

Time-->



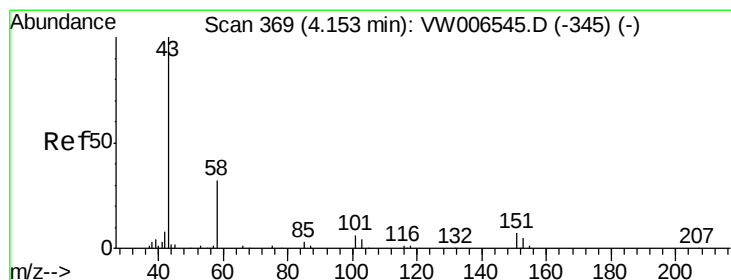
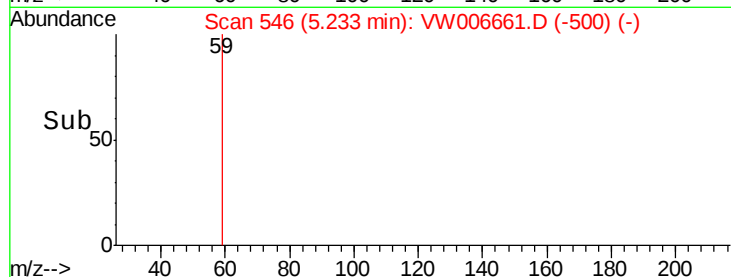
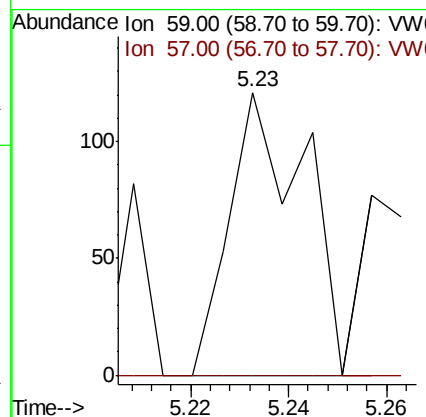
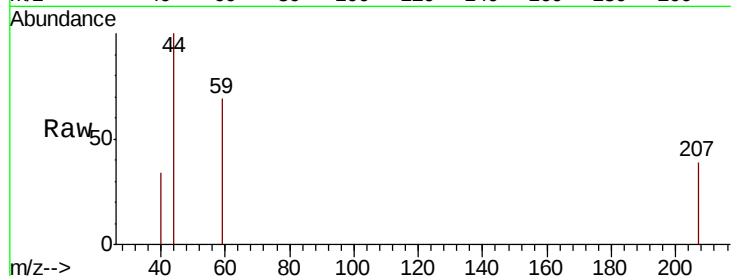


#11

Tert butyl alcohol
Concen: 1.204 ug/l
RT: 5.23 min Scan# 546
Delta R.T. -0.02 min
Lab File: VW006661.D
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JC-03-110218-E

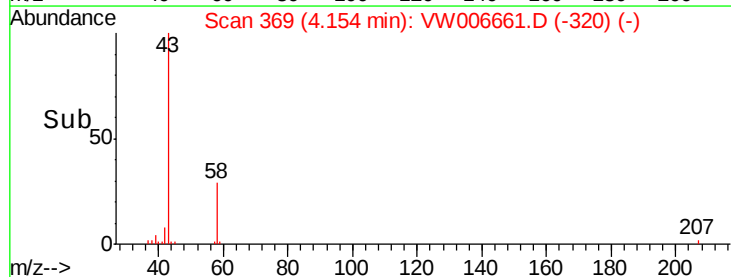
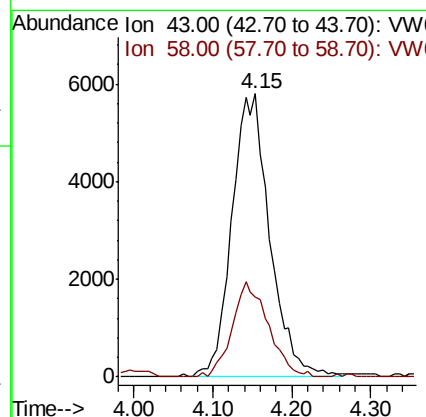
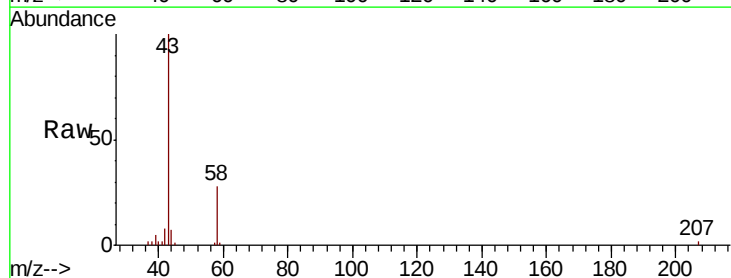
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

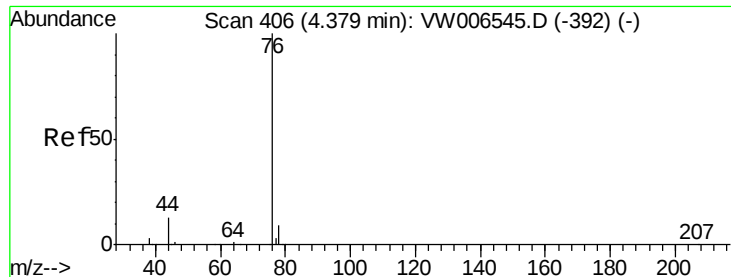


#16

Acetone
Concen: 60.750 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.00 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 43 Resp: 19353
Ion Ratio Lower Upper
43 100
58 28.3 25.8 38.8

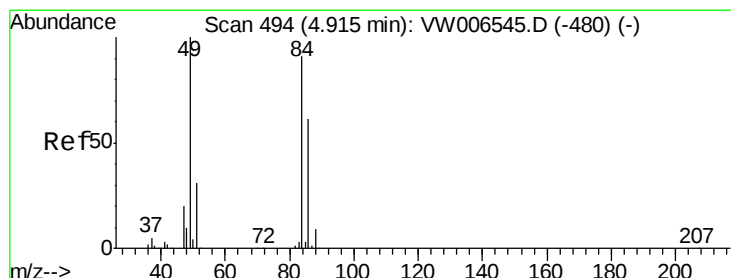
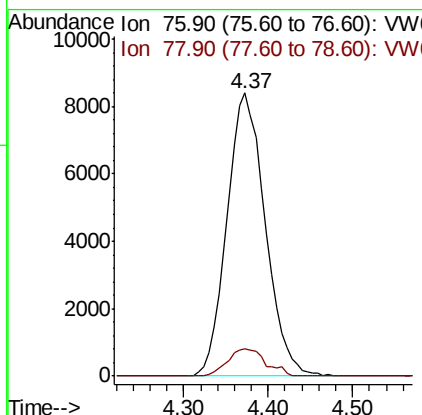
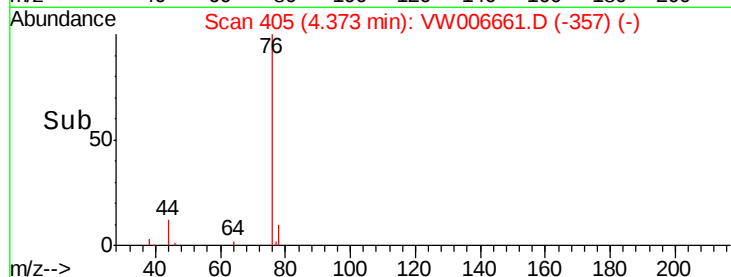
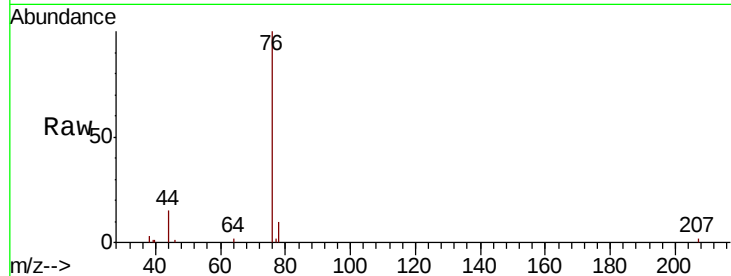




#17
Carbon Disulfide
Concen: 4.857 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

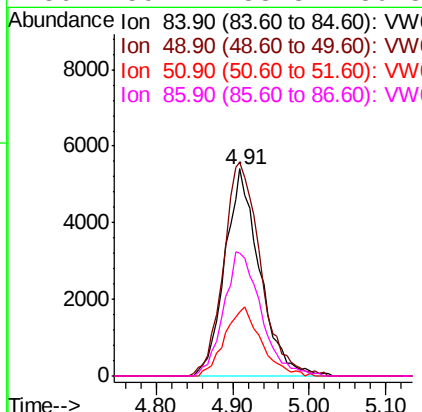
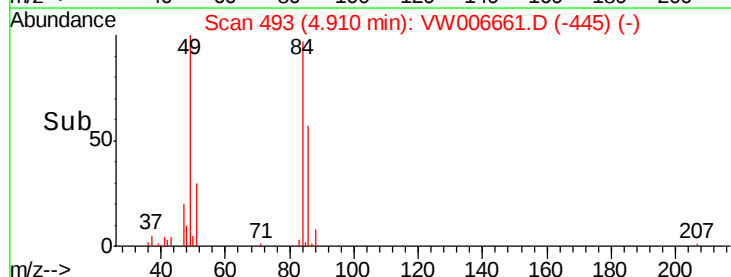
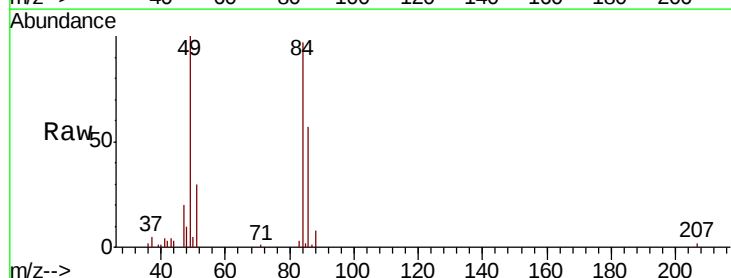
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MSVOA_W
ClientSampleId :
JC-03-110218-E

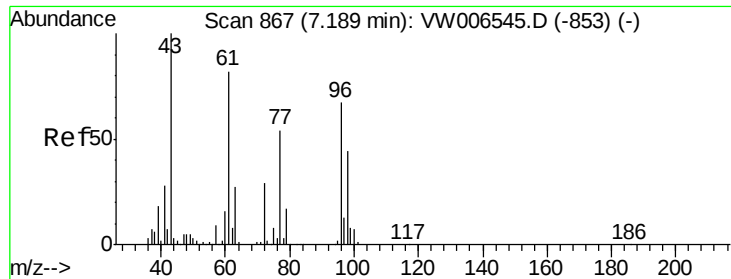
Tgt Ion: 76 Resp: 25879
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9



#20
Methylene Chloride
Concen: 2.602 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 84 Resp: 17063
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.4
51 31.1 27.0 40.6
86 59.2 53.8 80.8

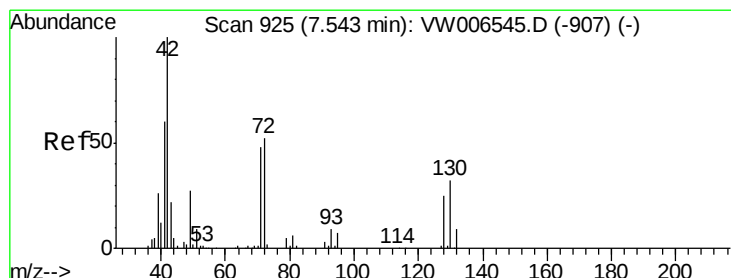
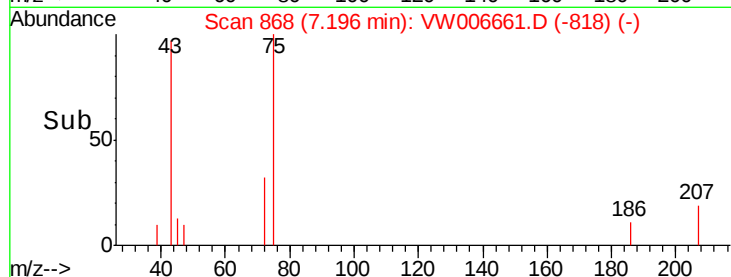
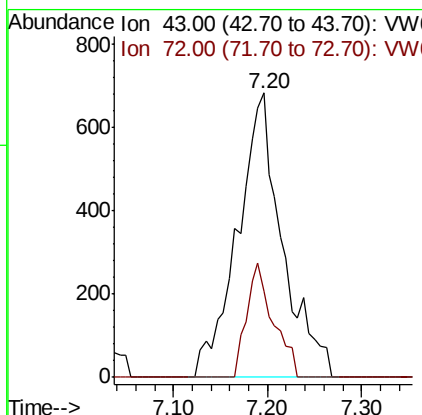
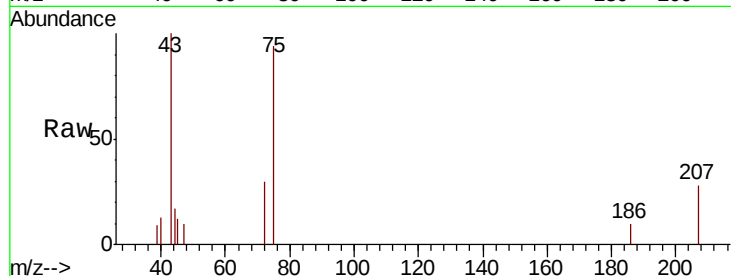




#25
2-Butanone
Concen: 4.954 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

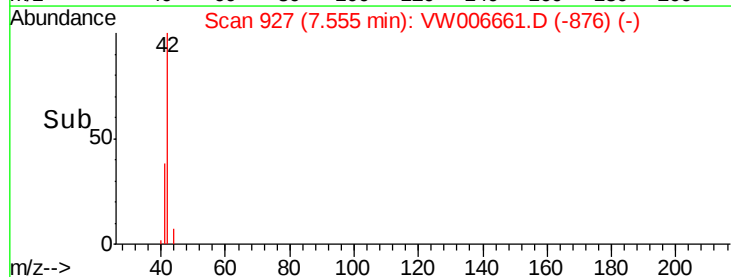
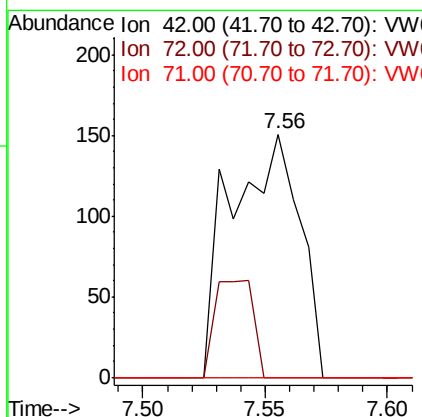
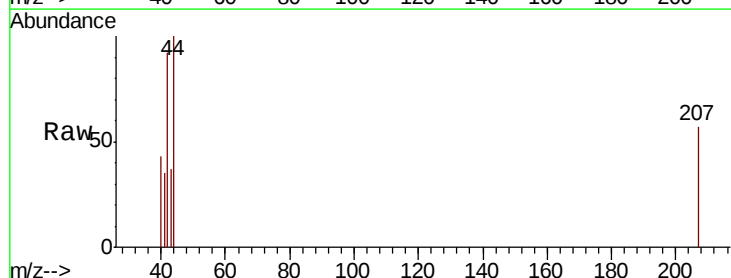
Instrument :
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ClientSampleId :
JC-03-110218-E

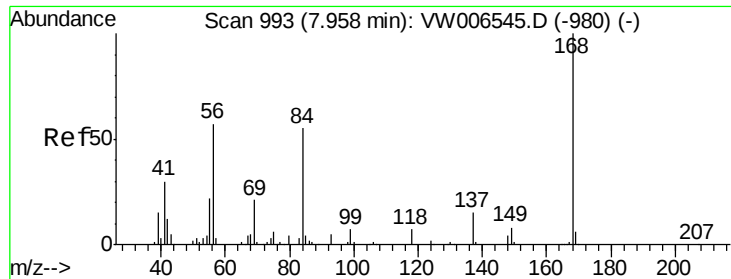
Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
72 30.2 23.2 34.8



#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 42 Resp: 294
Ion Ratio Lower Upper
42 100
72 22.1 39.2 58.8#
71 0.0 37.6 56.4#

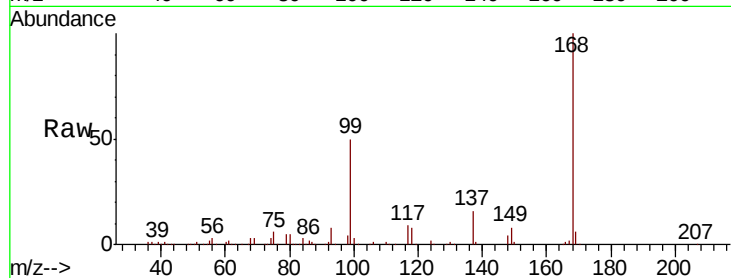




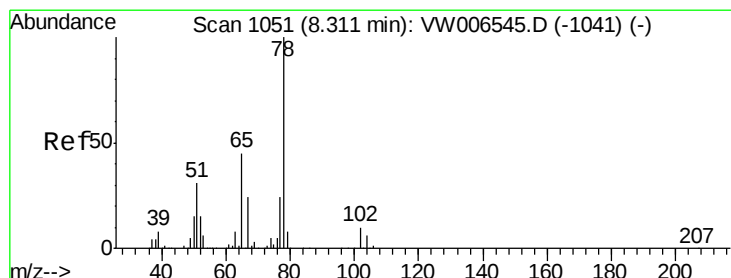
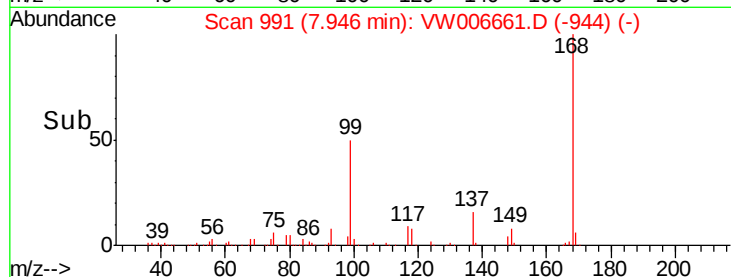
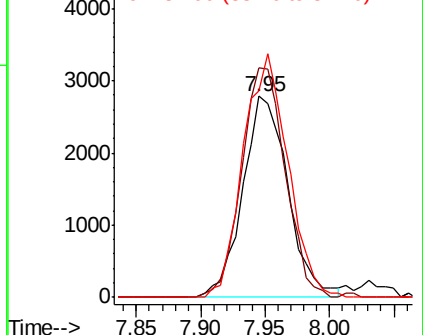
#31
Cyclohexane
Concen: 2.153 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

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

Tgt Ion: 56 Resp: 6766
Ion Ratio Lower Upper
56 100
69 114.4 29.0 43.4#
84 103.0 77.8 116.6

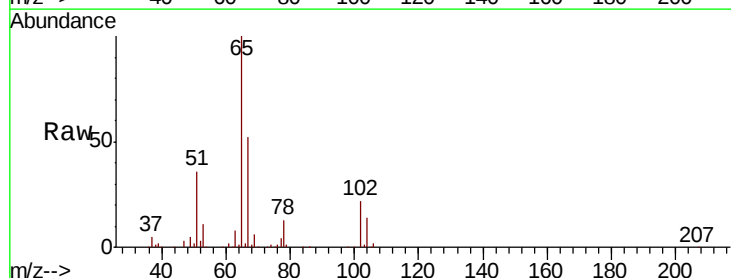


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

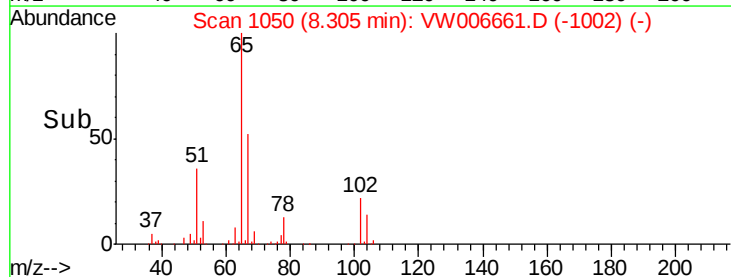
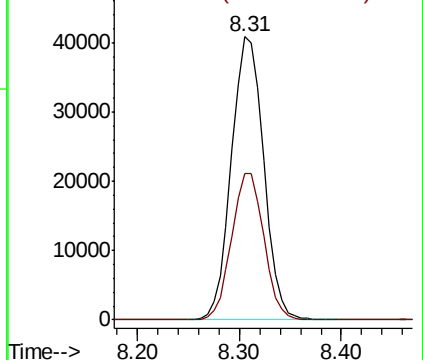


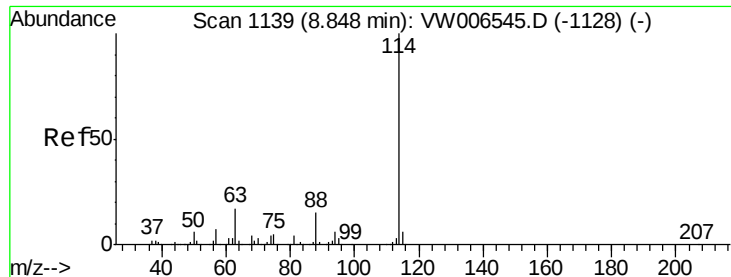
#33
1,2-Dichloroethane-d4
Concen: 45.375 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 65 Resp: 89532
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.4



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

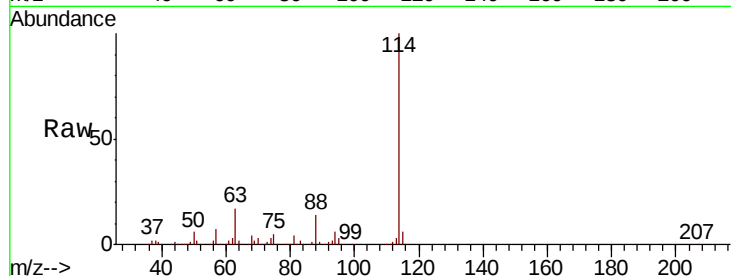




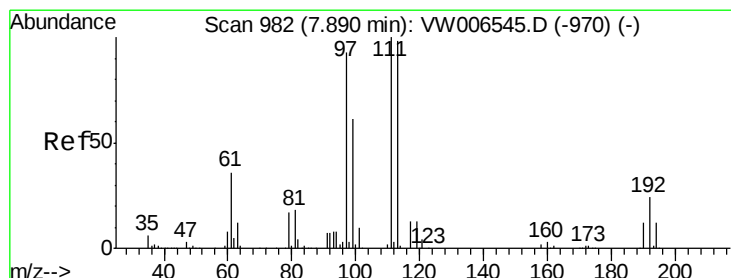
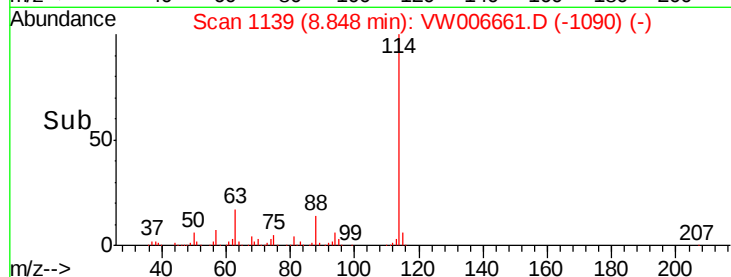
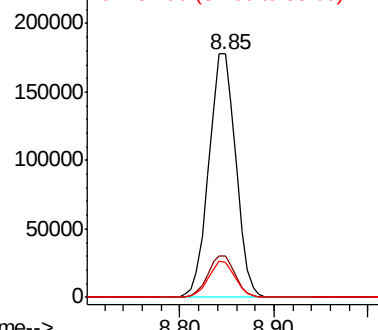
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006661.D
 Acq: 06 Nov 2018 03:45

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Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.4
88	14.2	0.0	29.0

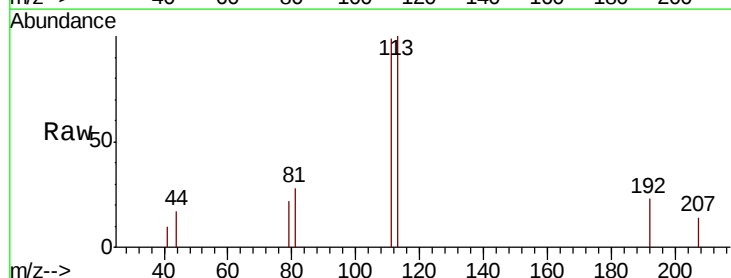


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

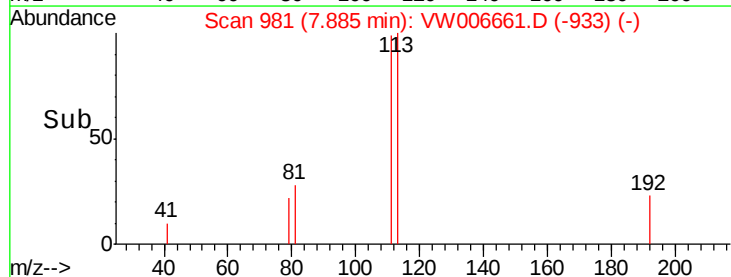
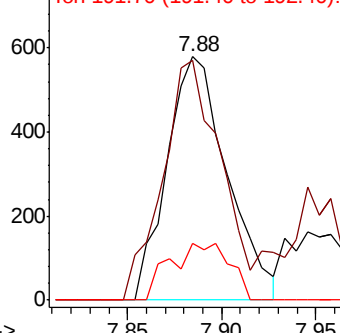


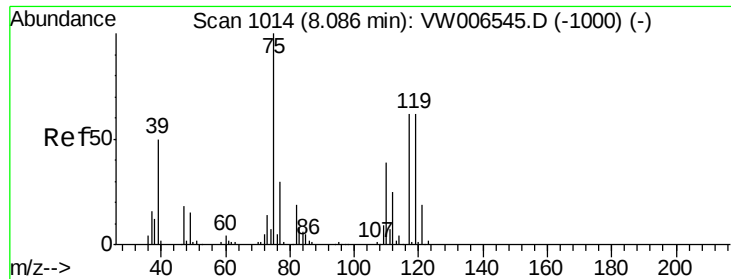
#35
 Dibromofluoromethane
 Concen: 0.578 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006661.D
 Acq: 06 Nov 2018 03:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.5	82.2	123.2
192	23.1	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

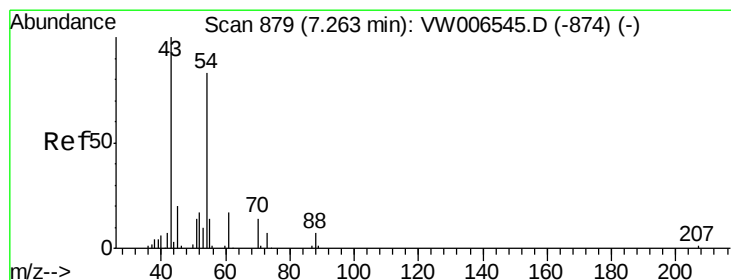
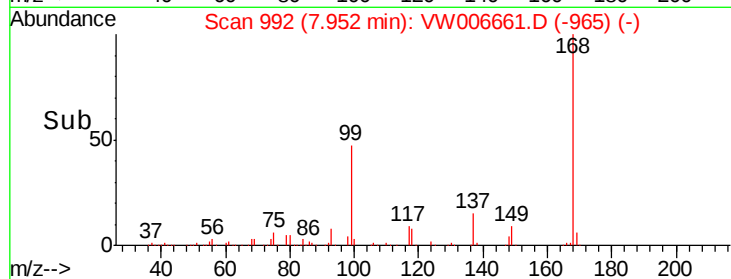
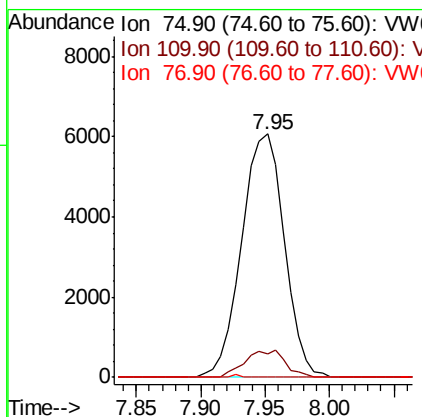
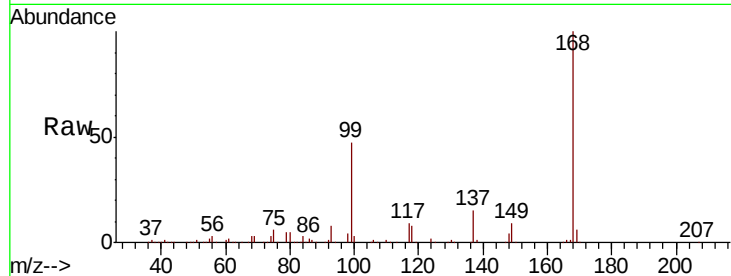




#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006661.D
 Acq: 06 Nov 2018 03:45

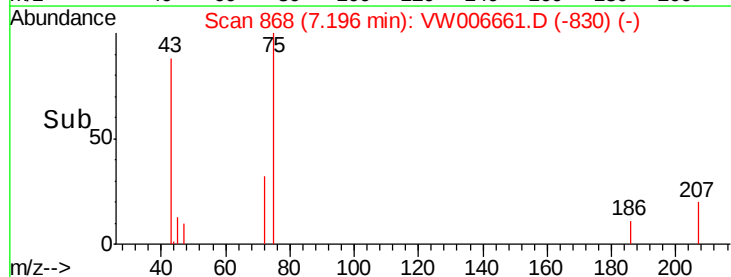
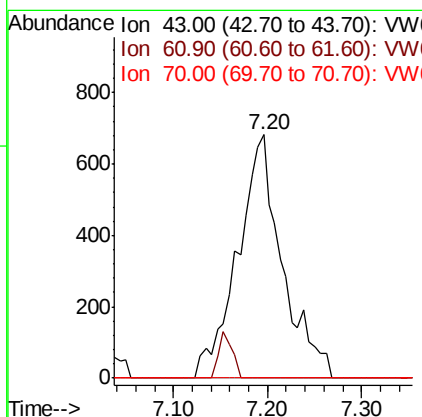
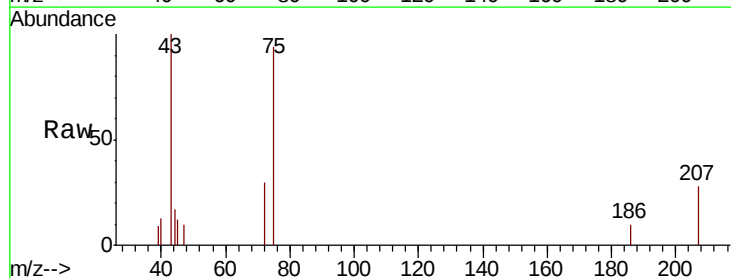
Instrument :
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 ClientSampleId :
 JC-03-110218-E

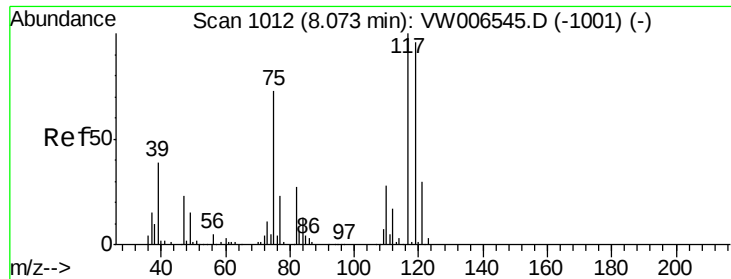
Tgt Ion: 75 Resp: 13927
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.5 58.5#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 2.083 ug/l
 RT: 7.20 min Scan# 868
 Delta R.T. -0.07 min
 Lab File: VW006661.D
 Acq: 06 Nov 2018 03:45

Tgt Ion: 43 Resp: 2252
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 6.120 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

JC-03-110218-E

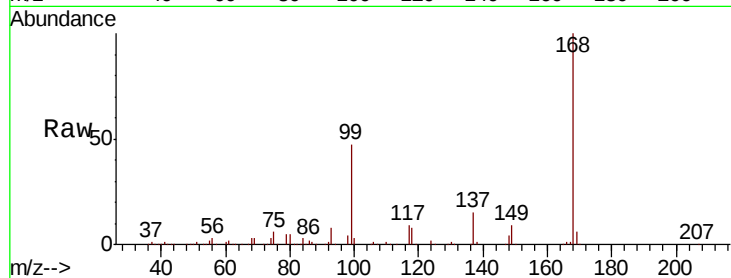
Tgt Ion:117 Resp: 19950

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

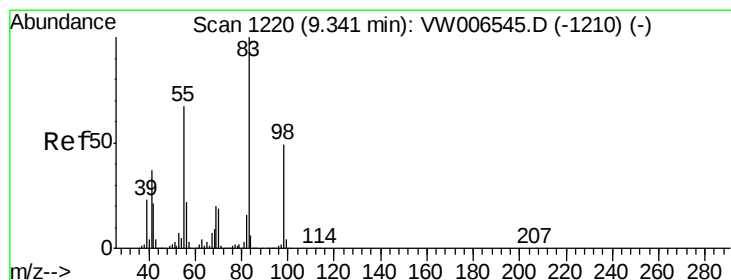
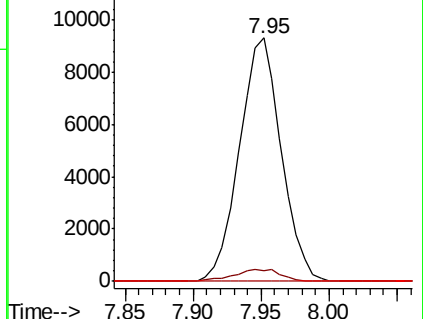
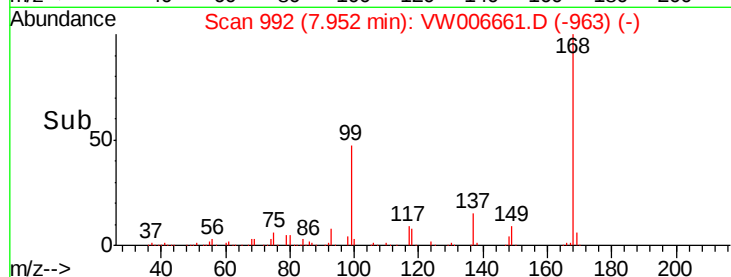
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 1.413 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

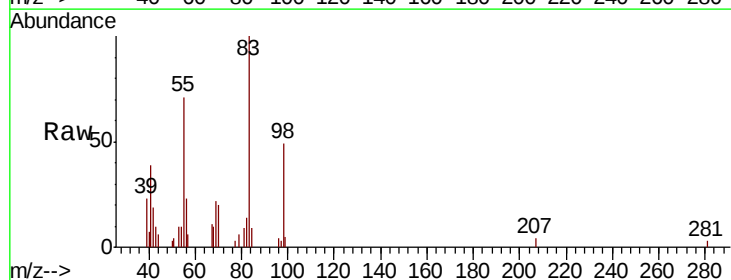
Tgt Ion: 83 Resp: 5595

Ion Ratio Lower Upper

83 100

55 71.0 53.7 80.5

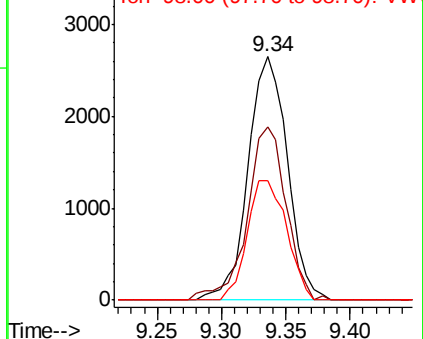
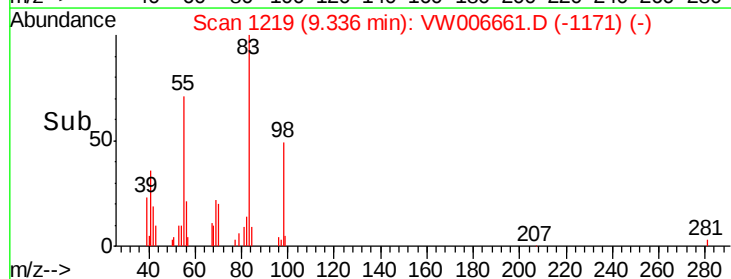
98 49.3 39.2 58.8

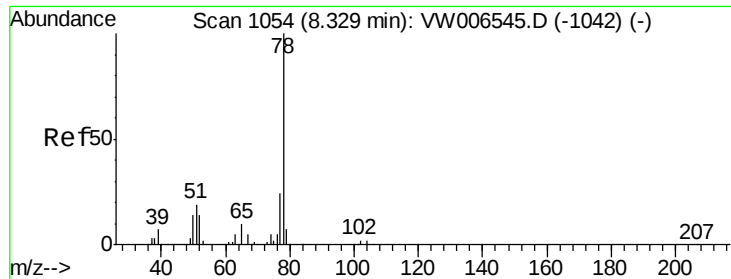


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 3.577 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

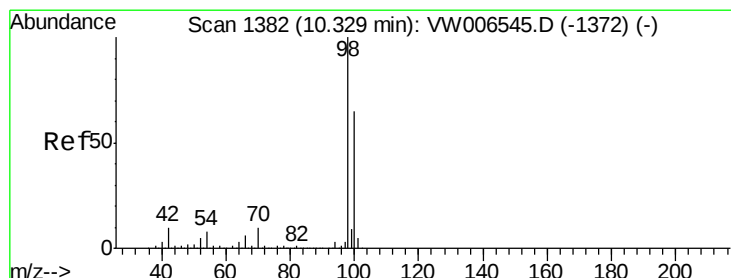
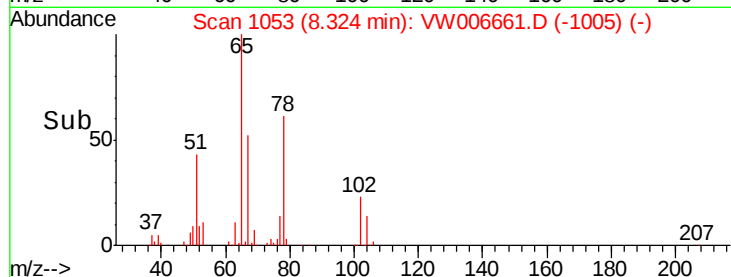
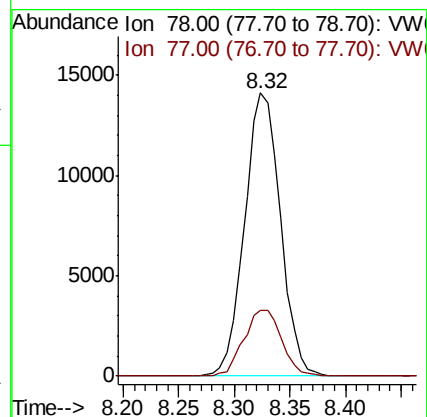
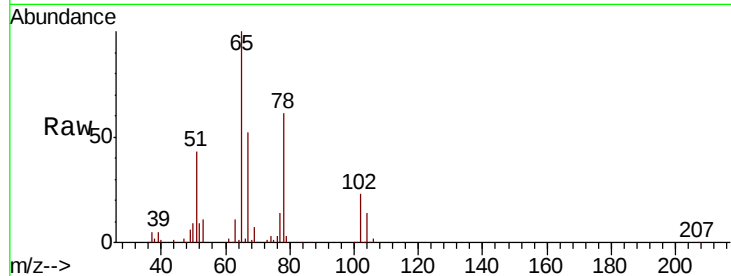
JC-03-110218-E

Tgt Ion: 78 Resp: 31693

Ion Ratio Lower Upper

78 100

77 23.3 19.2 28.8



#50

Toluene-d8

Concen: 35.959 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006661.D

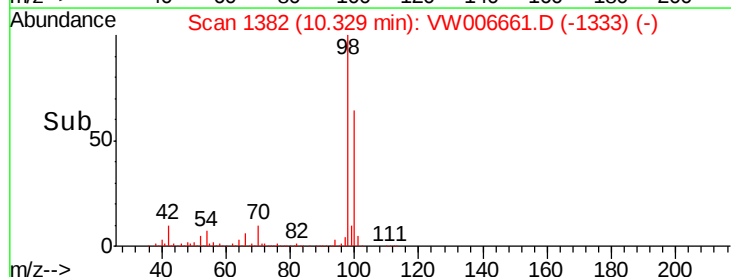
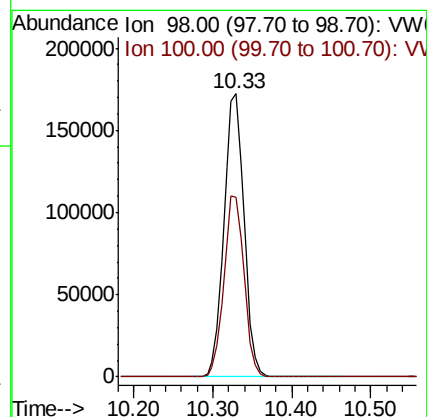
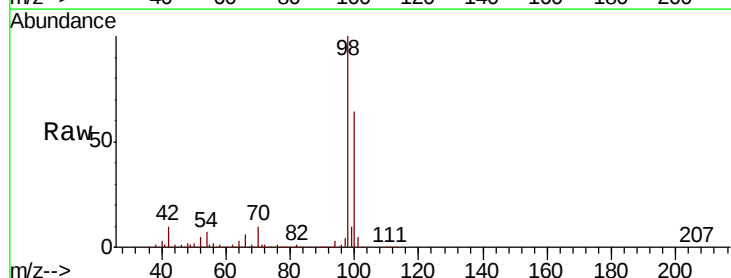
Acq: 06 Nov 2018 03:45

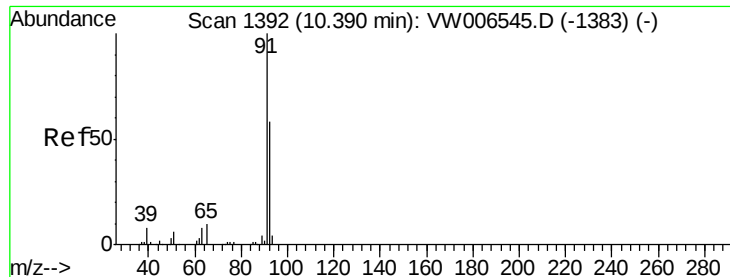
Tgt Ion: 98 Resp: 304770

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#52

Toluene

Concen: 8.535 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

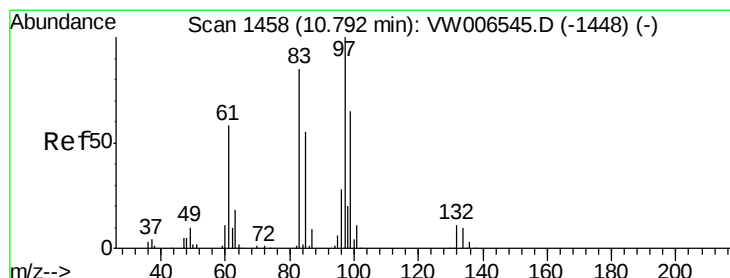
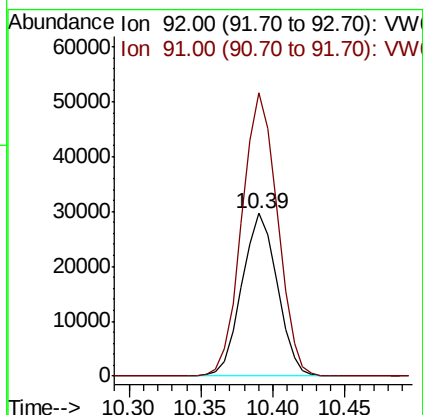
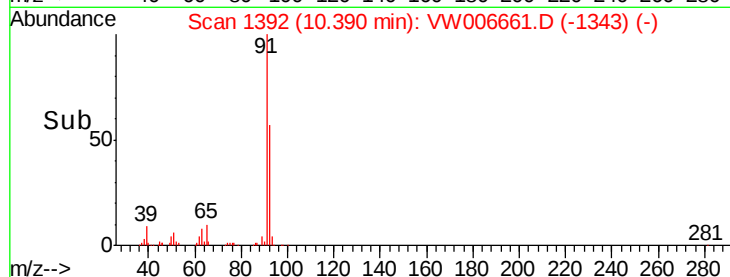
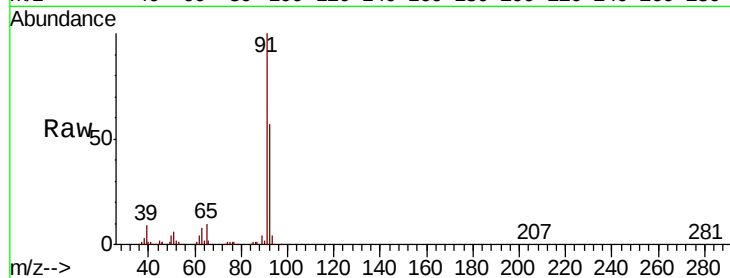
JC-03-110218-E

Tgt Ion: 92 Resp: 50724

Ion Ratio Lower Upper

92 100

91 174.7 138.6 208.0



#55

1,1,2-Trichloroethane

Concen: 1.535 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

Tgt Ion: 97 Resp: 2641

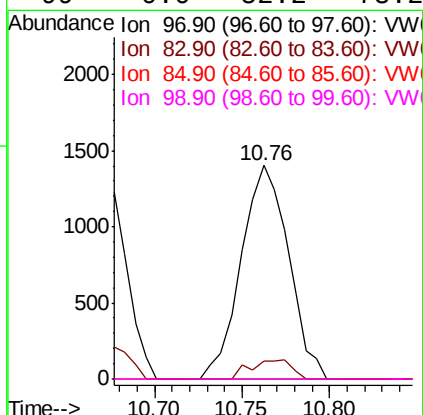
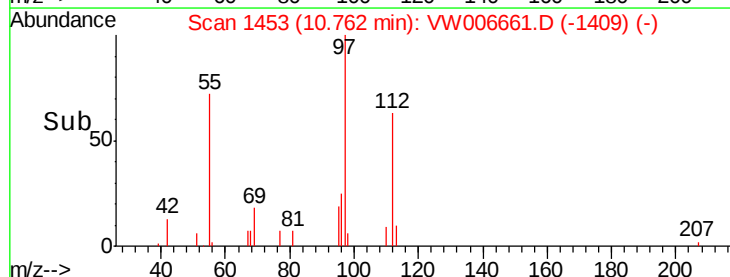
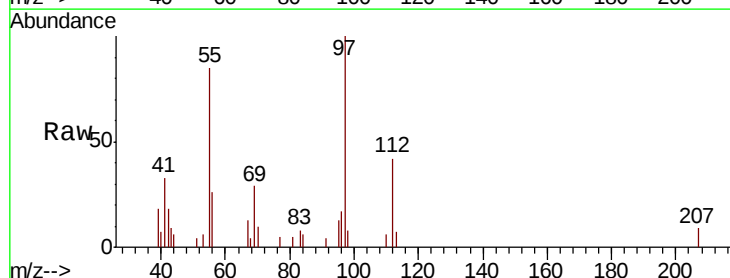
Ion Ratio Lower Upper

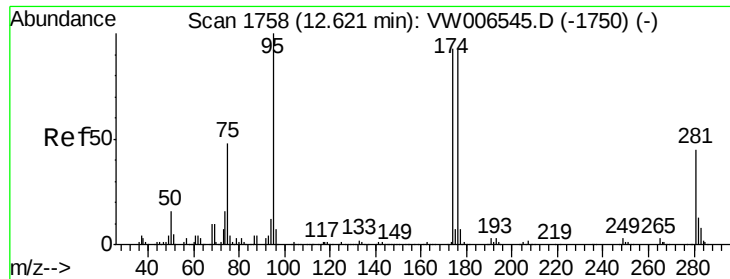
97 100

83 8.1 67.9 101.9#

85 0.0 44.0 66.0#

99 0.0 52.2 78.2#

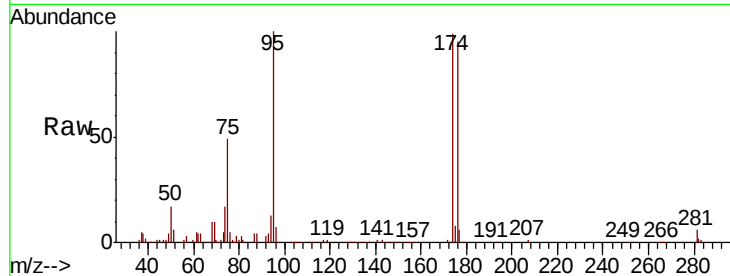




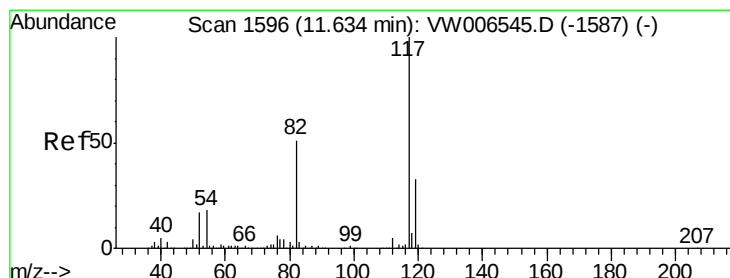
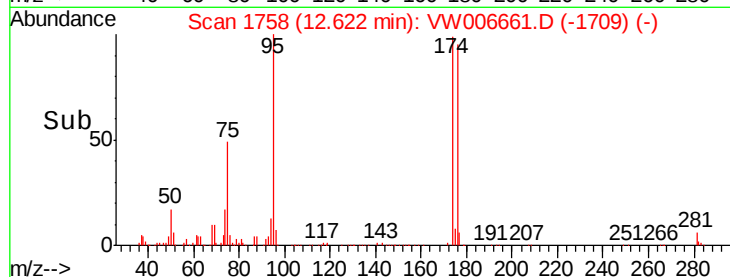
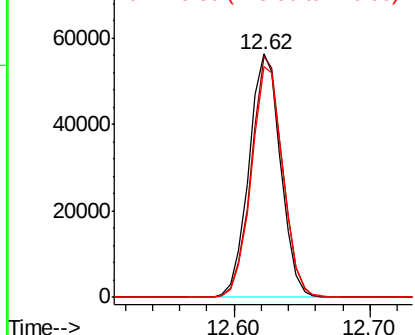
#62
4-Bromofluorobenzene
Concen: 29.867 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

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

Tgt Ion: 95 Resp: 91770
Ion Ratio Lower Upper
95 100
174 97.8 0.0 192.4
176 94.6 0.0 187.4

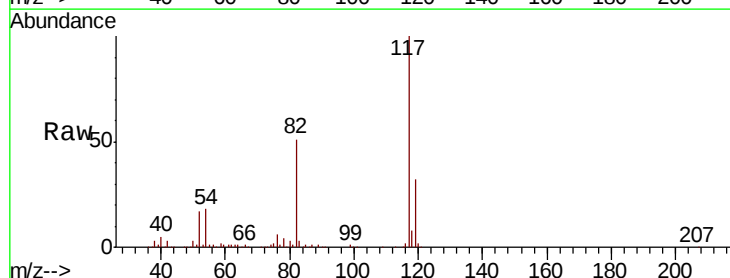


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

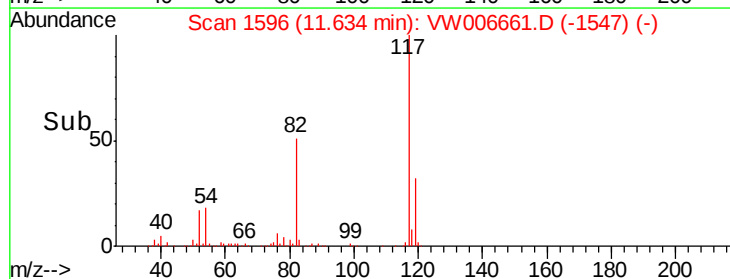
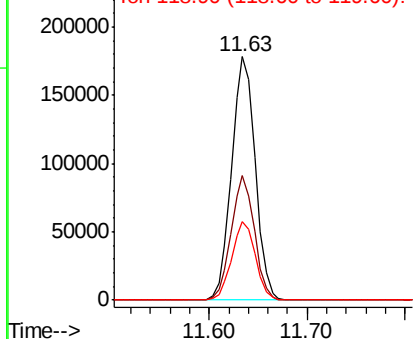


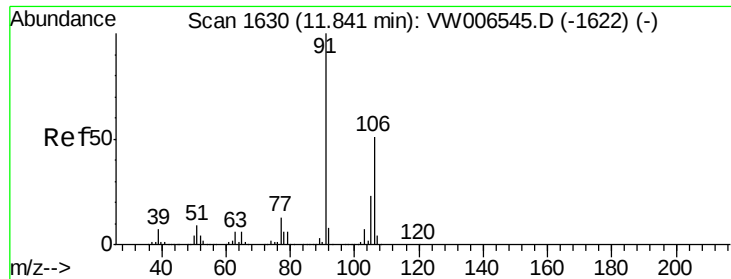
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 117 Resp: 298006
Ion Ratio Lower Upper
117 100
82 51.1 40.8 61.2
119 32.5 26.1 39.1



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

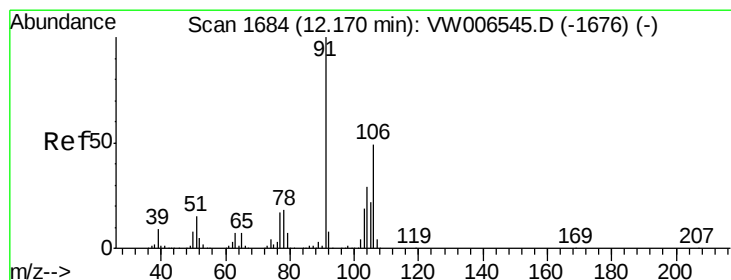
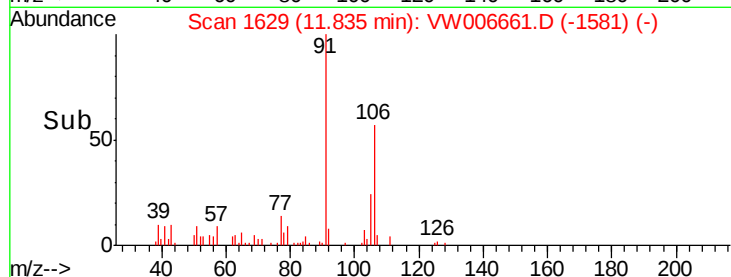
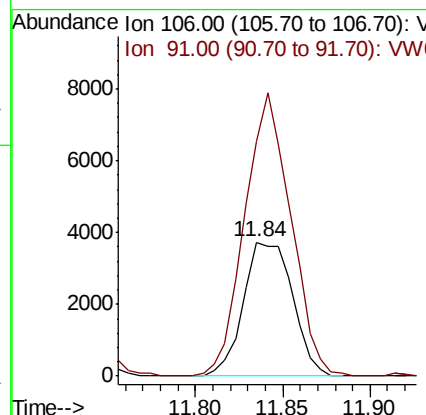
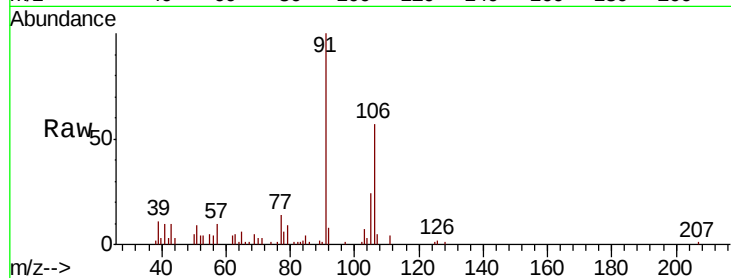




#68
m/p-Xylenes
Concen: 1.746 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

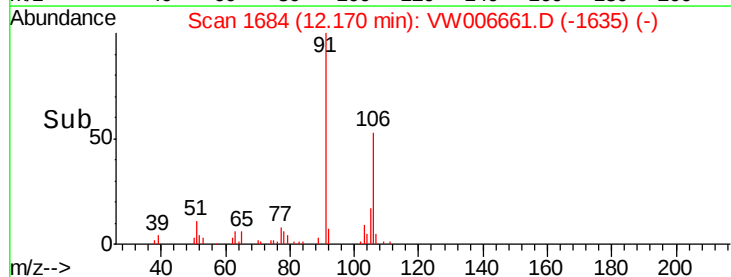
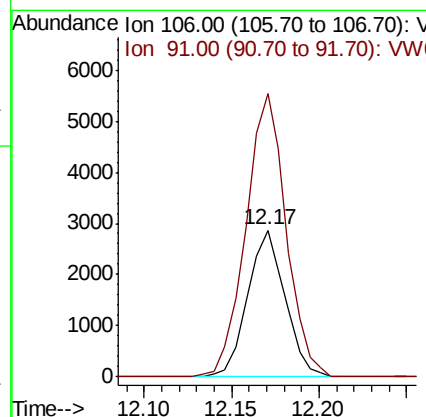
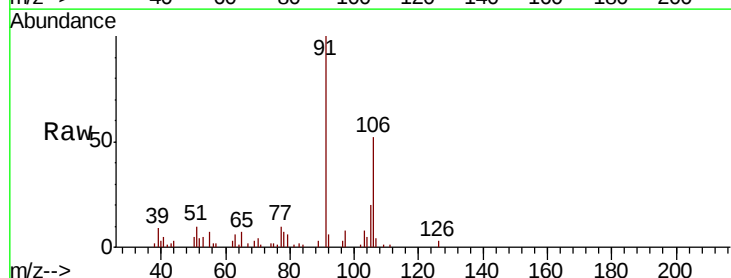
Instrument :
MSVOA_W
ClientSampleId :
JC-03-110218-E

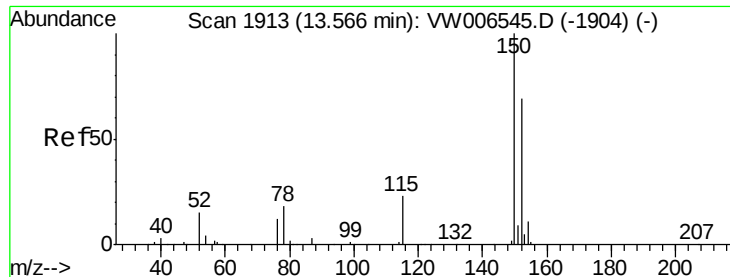
Tgt Ion:106 Resp: 7312
Ion Ratio Lower Upper
106 100
91 197.8 156.7 235.1



#69
o-Xylene
Concen: 1.067 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion:106 Resp: 4255
Ion Ratio Lower Upper
106 100
91 207.6 102.8 308.4



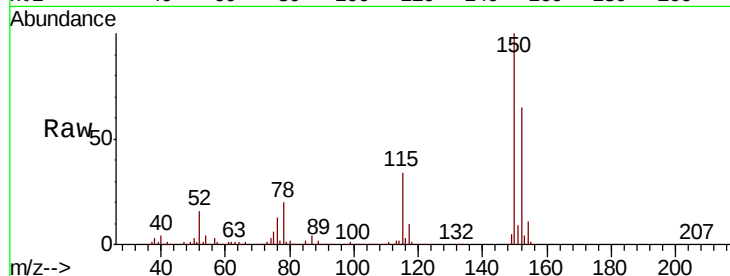


#72

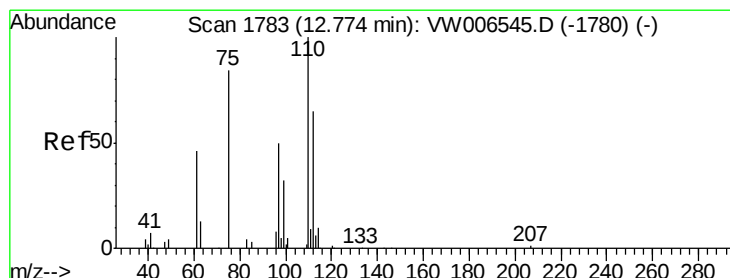
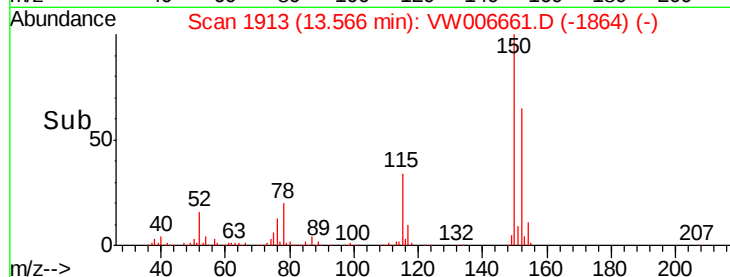
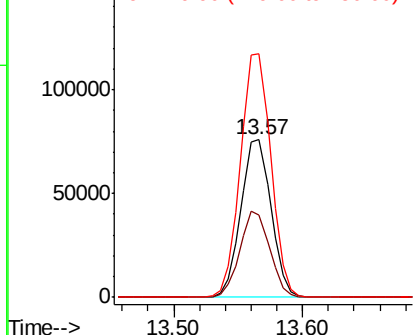
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

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

Tgt Ion:152 Resp: 122986
Ion Ratio Lower Upper
152 100
115 53.8 26.6 79.8
150 156.3 0.0 344.6



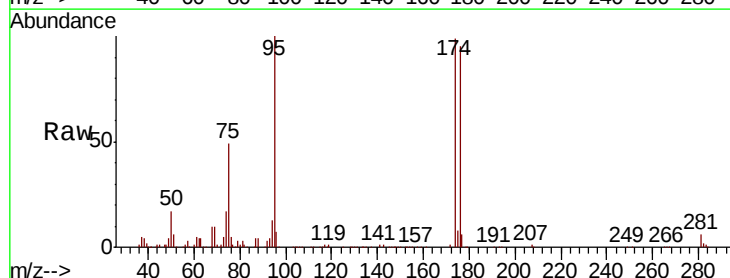
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



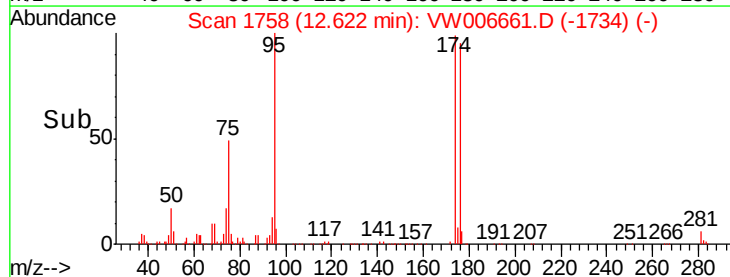
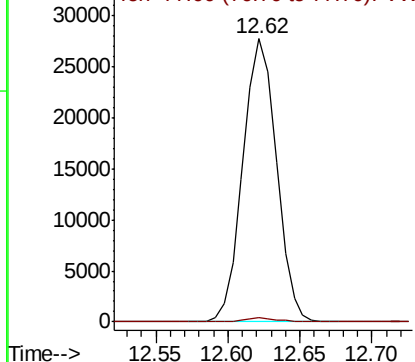
#76

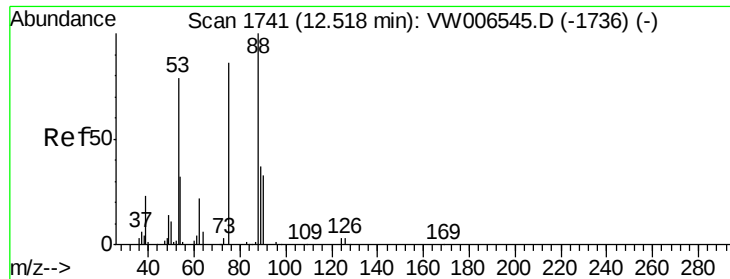
1,2,3-Trichloropropane
Concen: 46.816 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006661.D
Acq: 06 Nov 2018 03:45

Tgt Ion: 75 Resp: 44923
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 117.448 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006661.D

Acq: 06 Nov 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

JC-03-110218-E

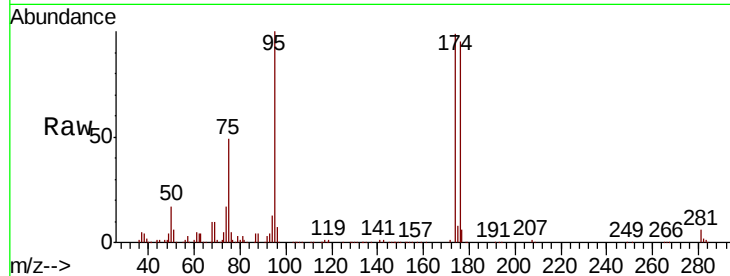
Tgt Ion: 75 Resp: 44923

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

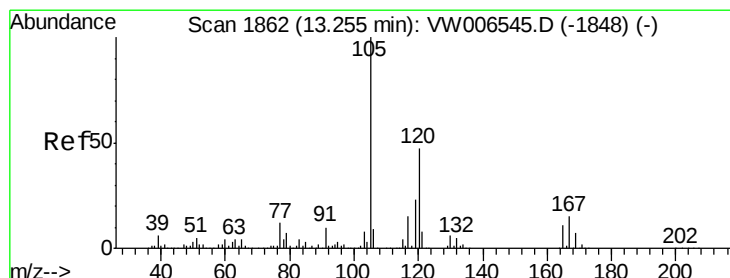
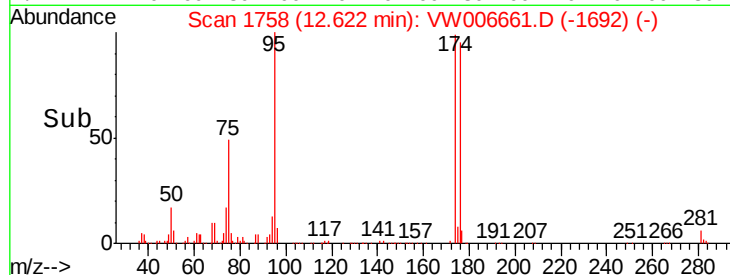
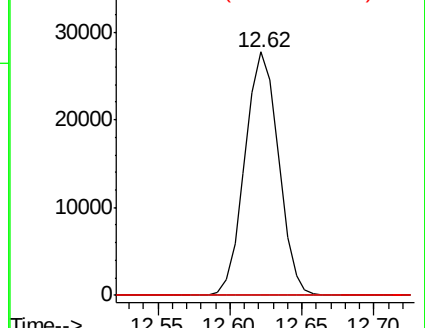
89 0.0 38.6 58.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 1.158 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006661.D

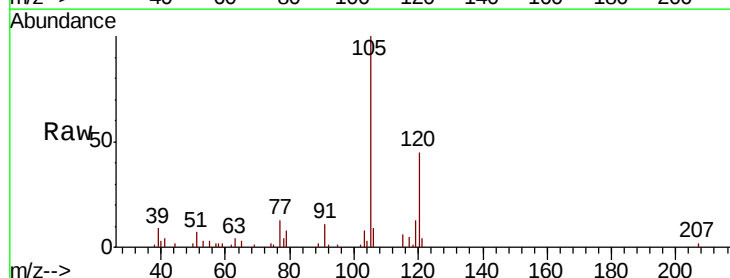
Acq: 06 Nov 2018 03:45

Tgt Ion:105 Resp: 8087

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

