

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005684.D
 Acq On : 27 Sep 2018 06:37
 Operator : VA/AP
 Sample : J4773-11RE
 Misc : 9.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-A

Quant Time: Sep 27 07:54:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	44025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	64995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	53139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18704	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	28282	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.89	113	23595	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
50) Toluene-d8	10.33	98	74954	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.62	95	20550	33.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.74%	

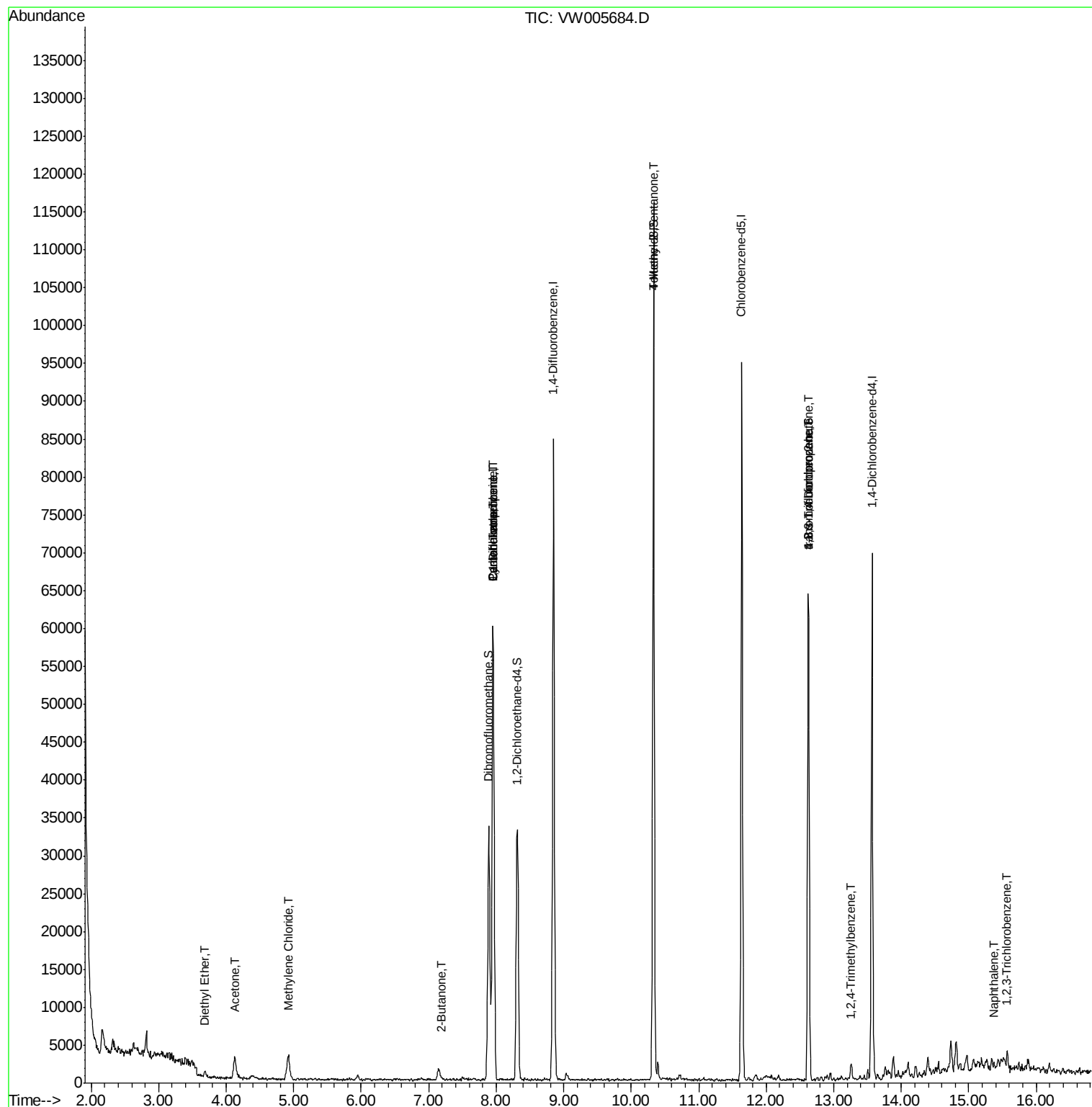
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	294	1.360	ug/l #	46
11) Tert butyl alcohol	5.17	59	19	Below Cal	#	72
16) Acetone	4.12	43	5586	61.391	ug/l	99
20) Methylene Chloride	4.92	84	2453	1.484	ug/l	92
25) 2-Butanone	7.19	43	319	2.532	ug/l #	50
31) Cyclohexane	7.96	56	1039	1.292	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	3337	5.100	ug/l #	50
38) Carbon Tetrachloride	7.95	117	4214	6.010	ug/l #	20
51) 4-Methyl-2-Pentanone	10.32	43	348	1.276	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	10560	66.232	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10560	149.175	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	1287	1.131	ug/l	83
95) Naphthalene	15.38	128	846	1.285	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.56	180	369	1.070	ug/l #	55

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

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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 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: VW005684.D

Acq: 27 Sep 2018 06:37

Instrument :

MSVOA_W

ClientSampleId :

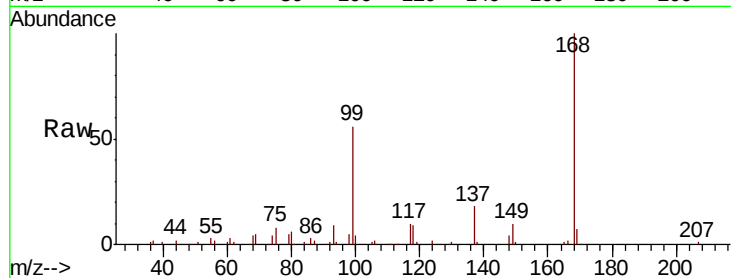
CL-02-092518-A

Tgt Ion:168 Resp: 44025

Ion Ratio Lower Upper

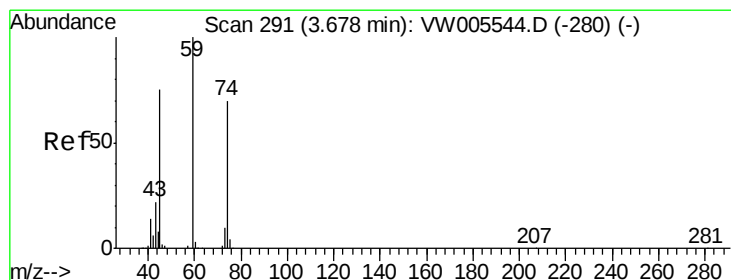
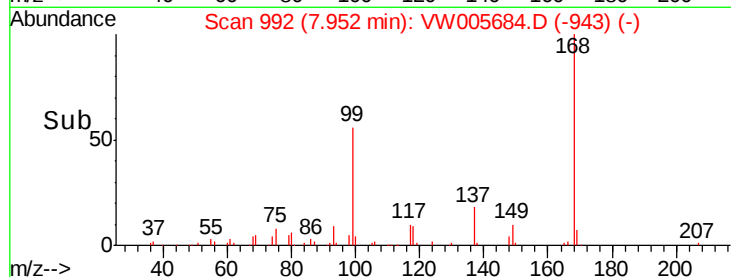
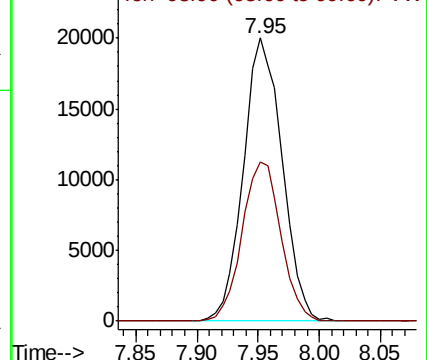
168 100

99 56.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.360 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005684.D

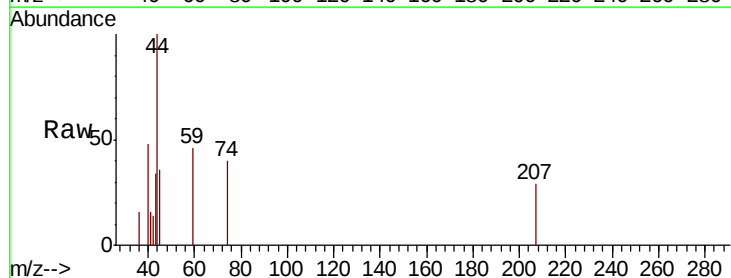
Acq: 27 Sep 2018 06:37

Tgt Ion: 74 Resp: 294

Ion Ratio Lower Upper

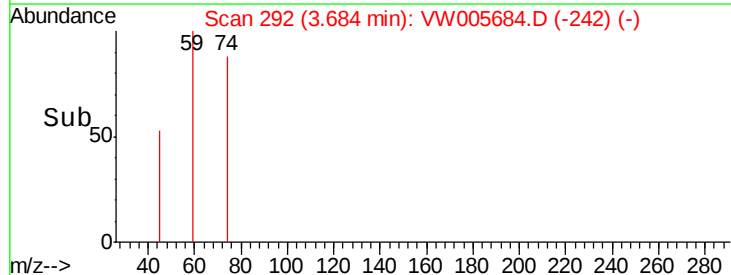
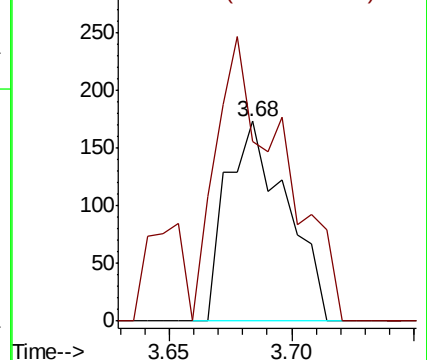
74 100

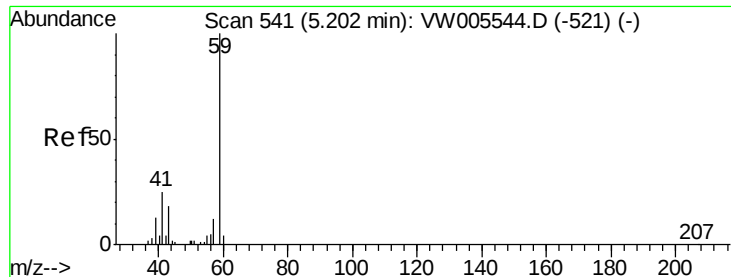
45 158.8 51.7 155.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



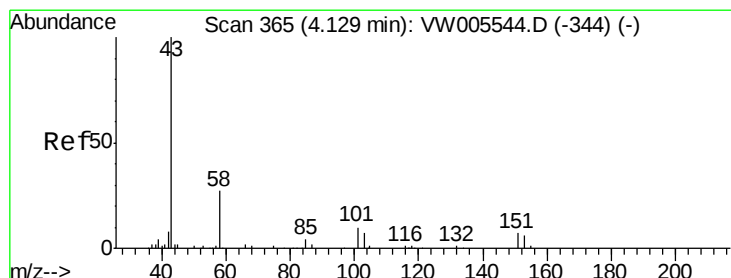
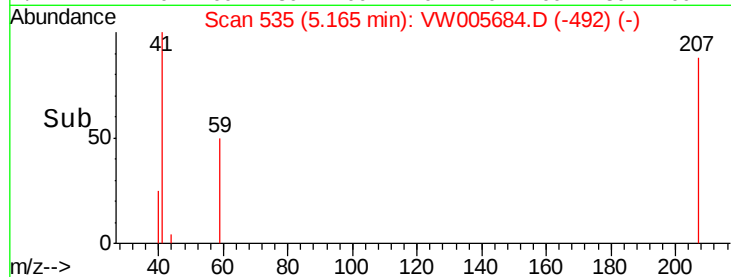
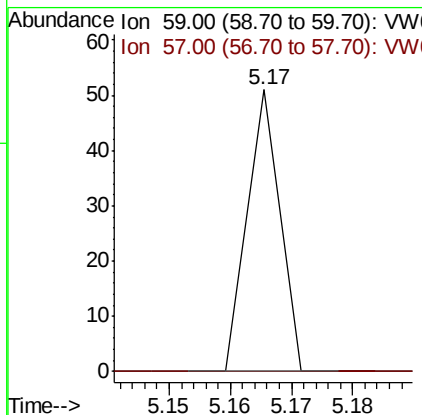
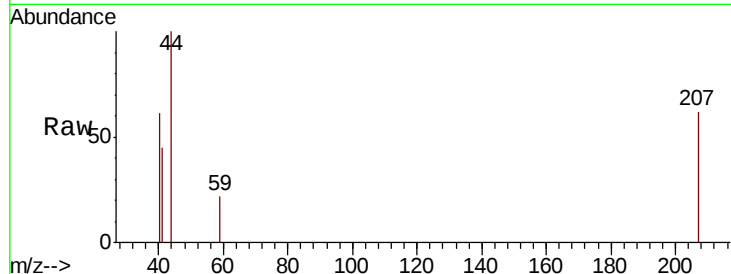


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 535
 Delta R.T. -0.04 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-A

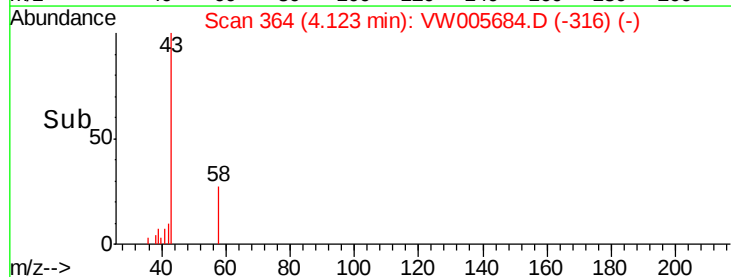
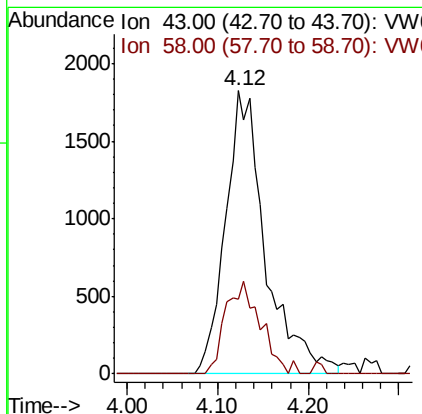
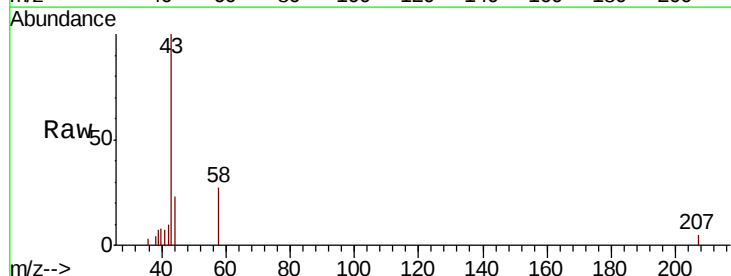
Tgt Ion: 59 Resp: 19
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

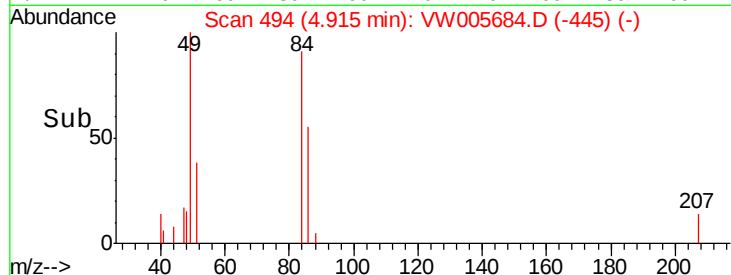
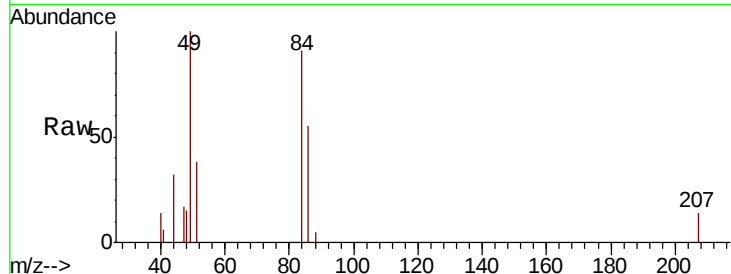
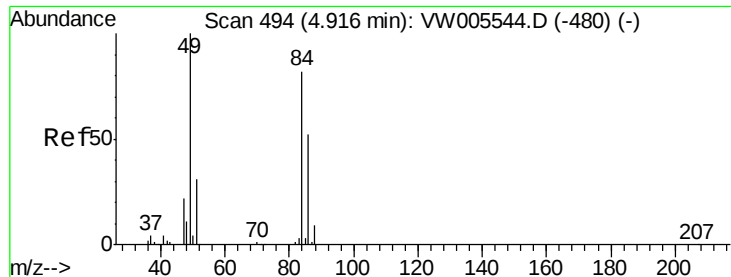


#16

Acetone
 Concen: 61.391 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

Tgt Ion: 43 Resp: 5586
 Ion Ratio Lower Upper
 43 100
 58 26.5 21.8 32.8

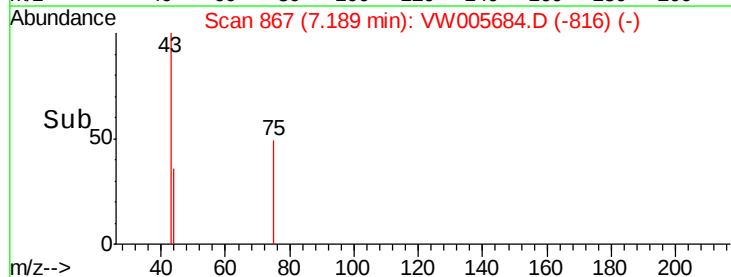
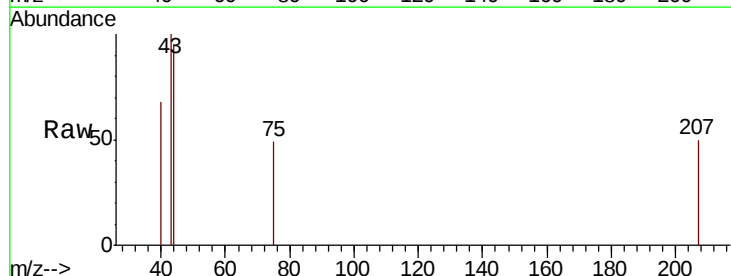
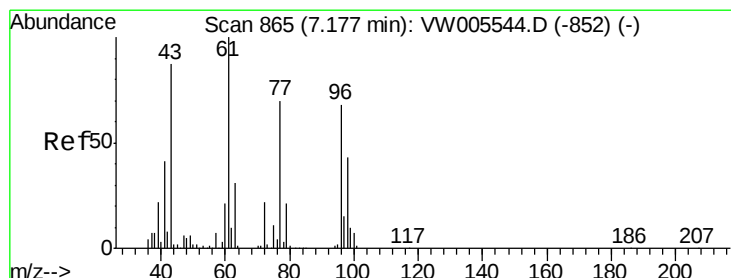
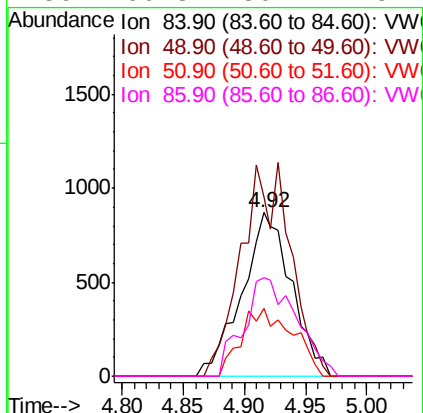




#20
Methylene Chloride
Concen: 1.484 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

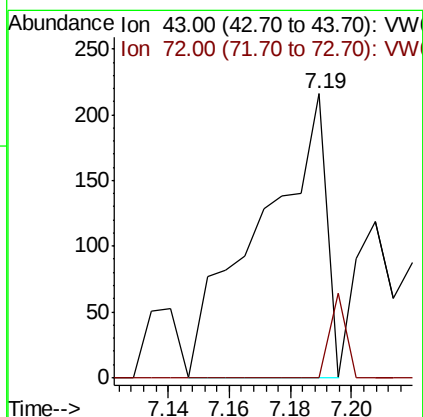
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-A

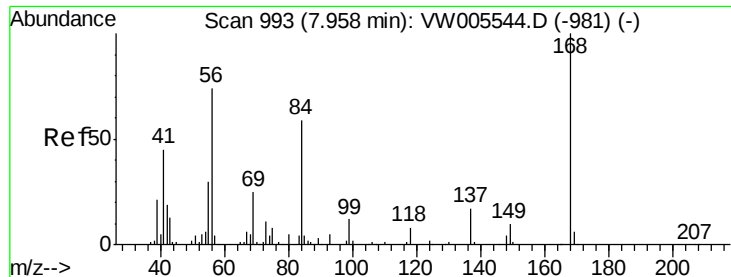
Tgt Ion: 84 Resp: 2453
Ion Ratio Lower Upper
84 100
49 109.4 97.0 145.6
51 41.6 30.2 45.2
86 60.3 50.2 75.4



#25
2-Butanone
Concen: 2.532 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

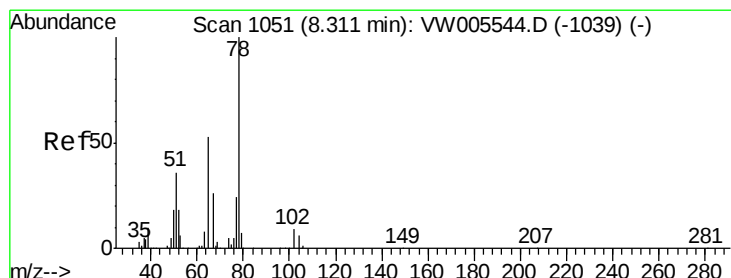
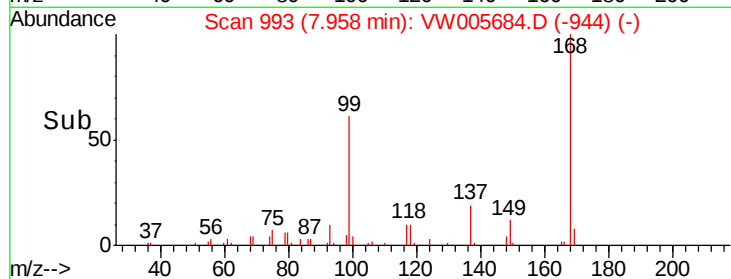
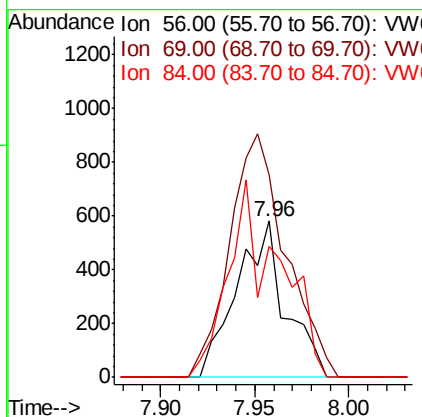
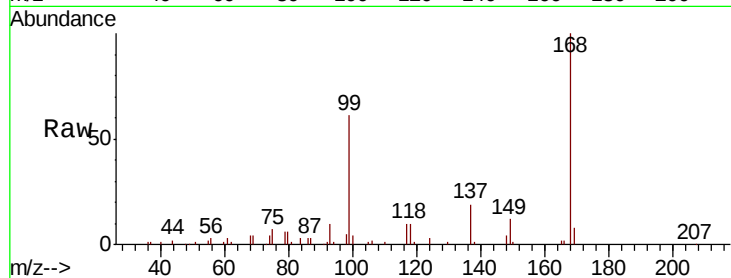




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

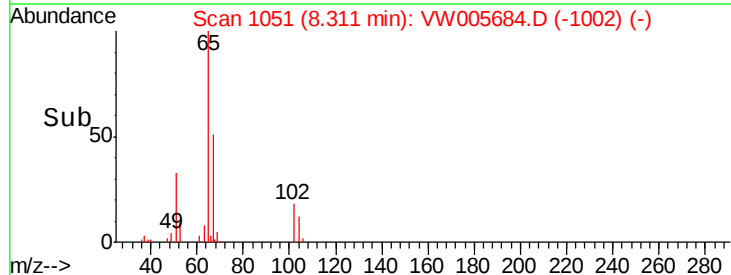
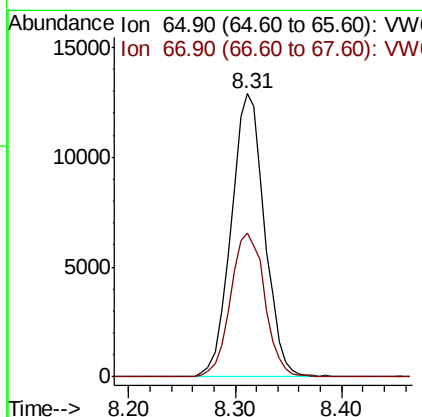
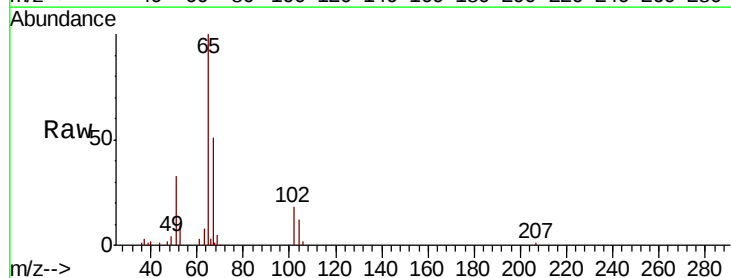
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-A

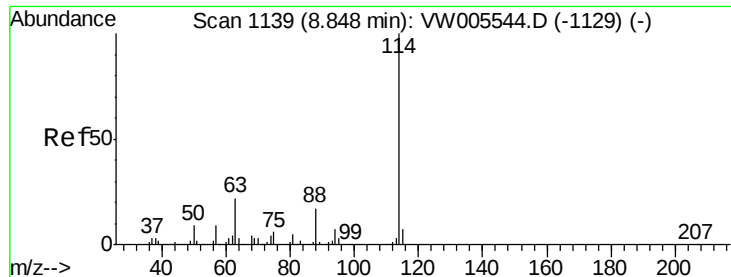
Tgt Ion: 56 Resp: 1039
Ion Ratio Lower Upper
56 100
69 129.8 27.0 40.4#
84 84.0 64.2 96.4



#33
1,2-Dichloroethane-d4
Concen: 54.530 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

Tgt Ion: 65 Resp: 28282
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.6

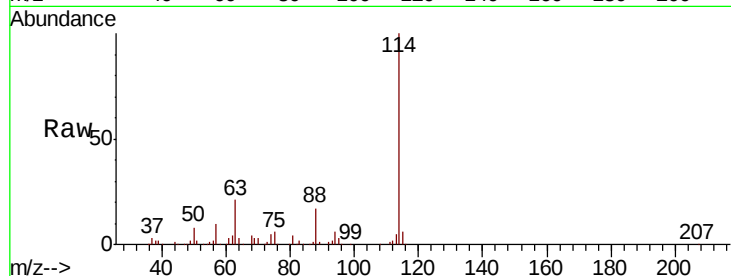




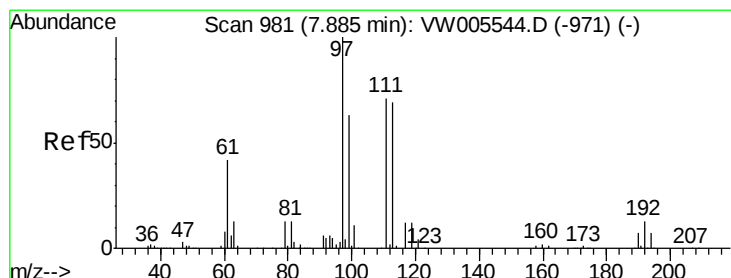
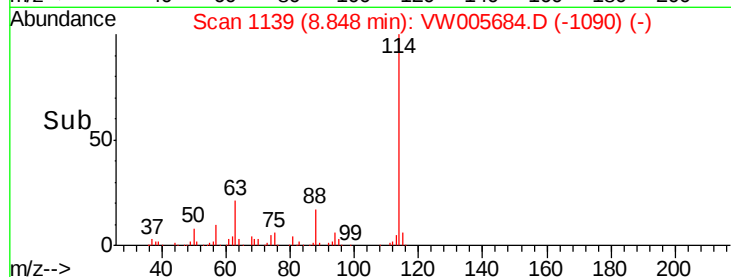
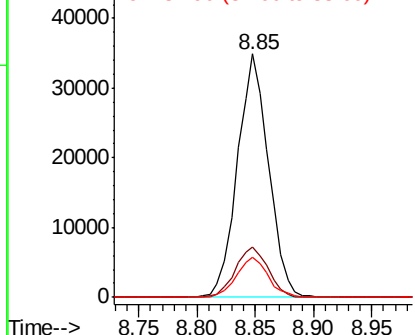
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.0
88	16.6	0.0	33.0

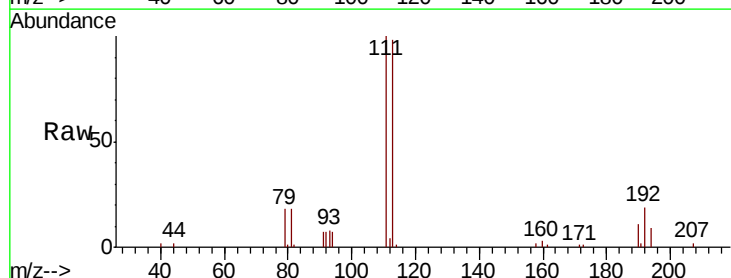


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

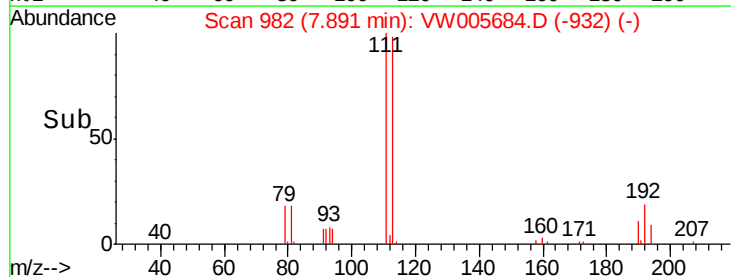
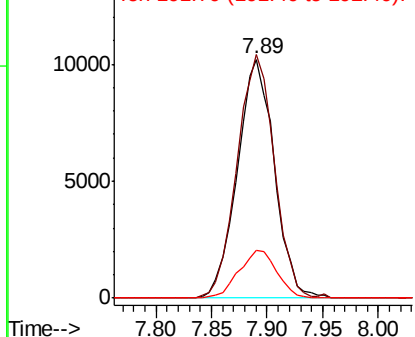


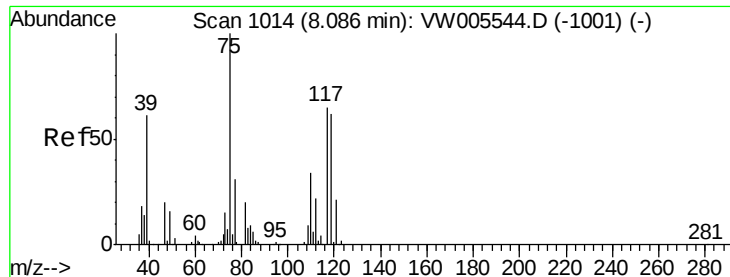
#35
 Dibromofluoromethane
 Concen: 57.728 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	20.5	17.0	25.4



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

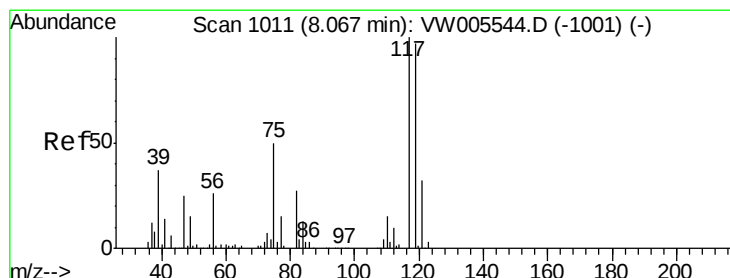
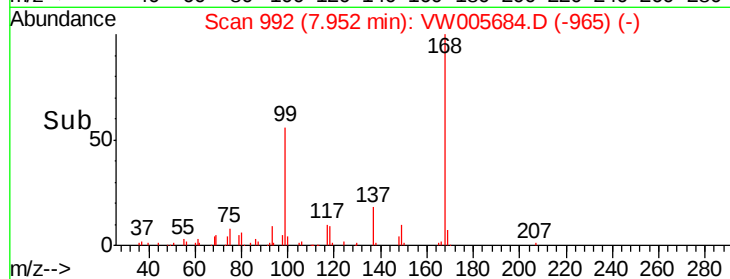
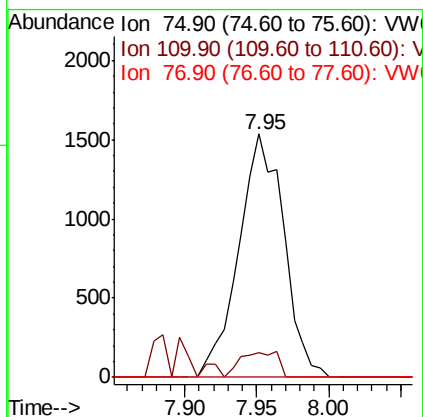
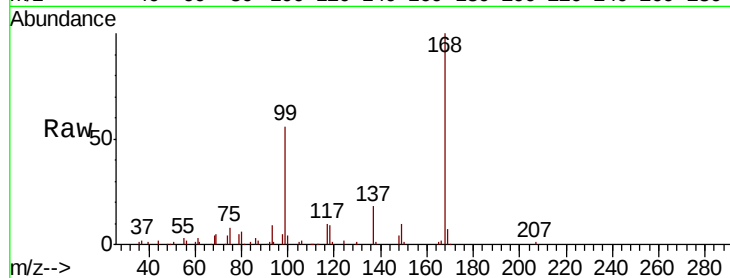




#36
 1,1-Dichloropropene
 Concen: 5.100 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

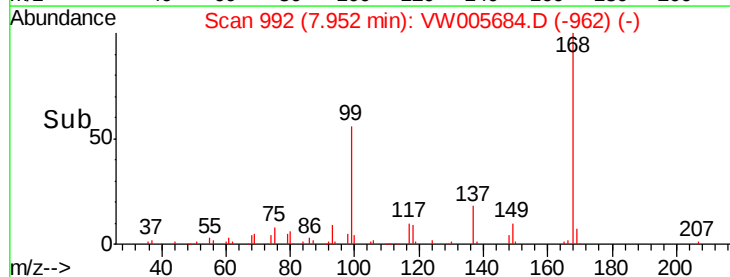
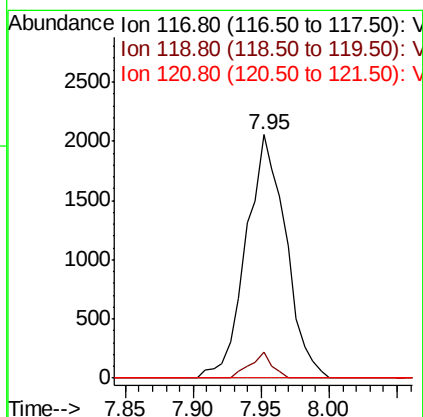
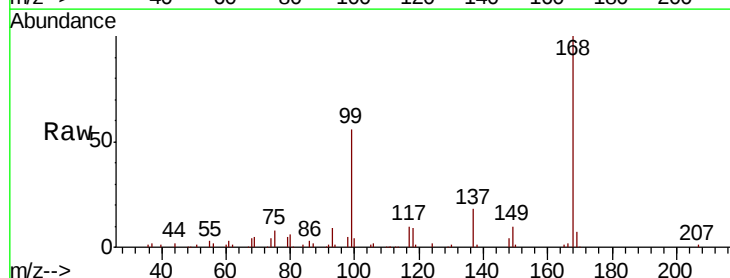
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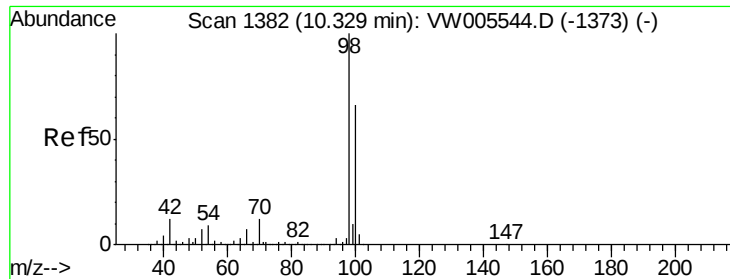
Tgt Ion: 75 Resp: 3337
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.010 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005684.D
 Acq: 27 Sep 2018 06:37

Tgt Ion: 117 Resp: 4214
 Ion Ratio Lower Upper
 117 100
 119 10.5 77.6 116.4#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 45.038 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005684.D

Acq: 27 Sep 2018 06:37

Instrument :

MSVOA_W

ClientSampleId :

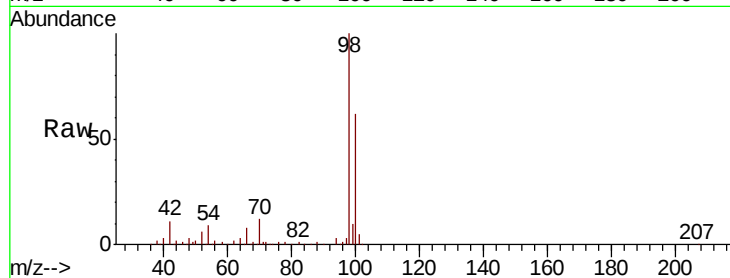
CL-02-092518-A

Tgt Ion: 98 Resp: 74954

Ion Ratio Lower Upper

98 100

100 62.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

40000

30000

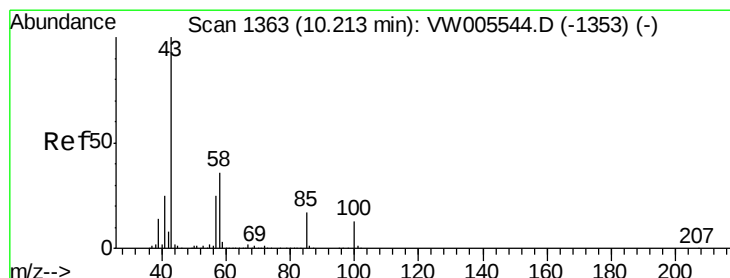
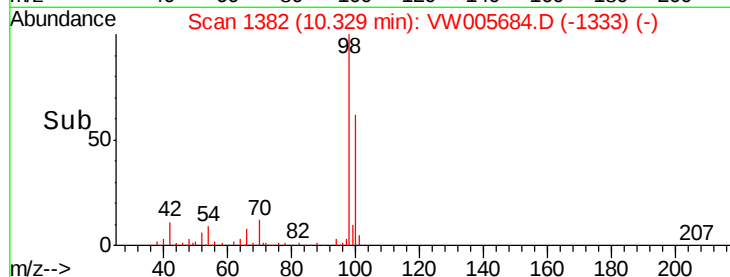
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.276 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW005684.D

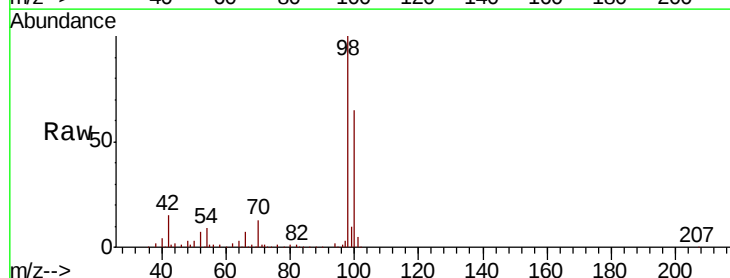
Acq: 27 Sep 2018 06:37

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

58 201.7 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

400

300

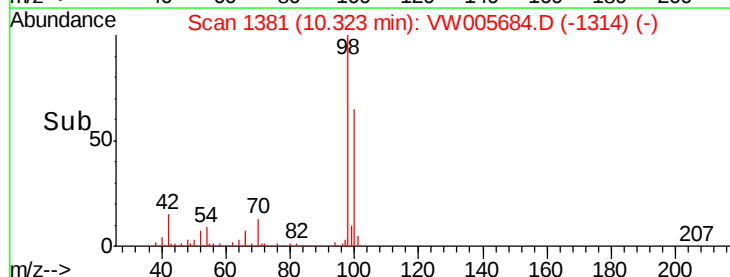
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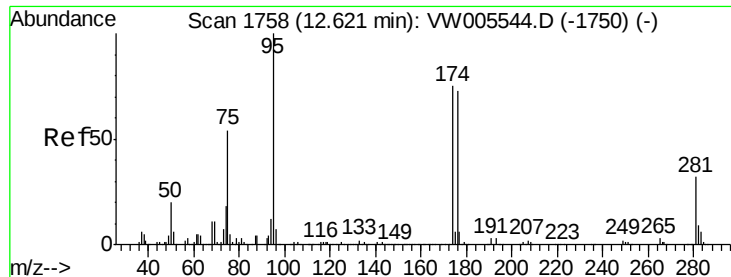
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Time-->

10.30 10.35

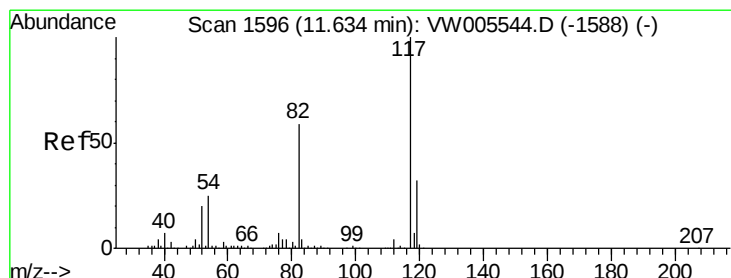
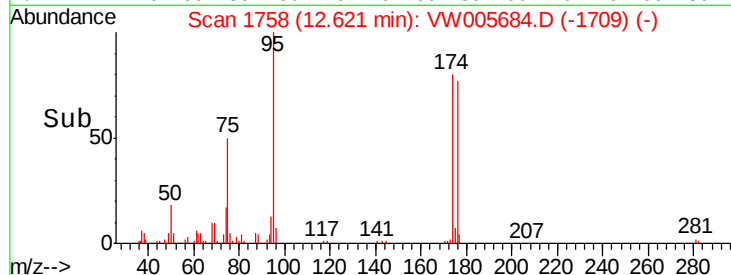
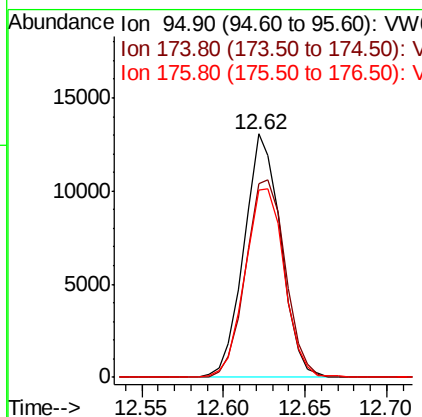
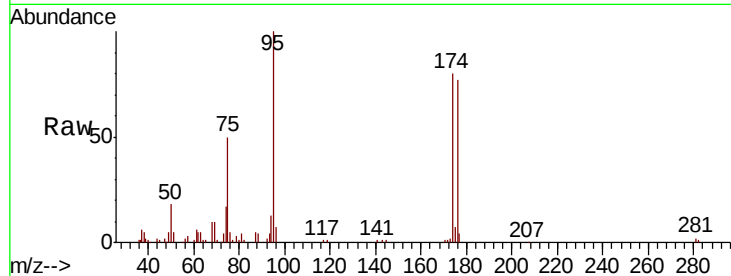




#62
4-Bromofluorobenzene
Concen: 33.370 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

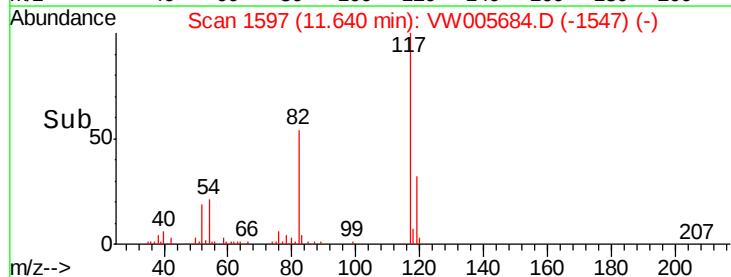
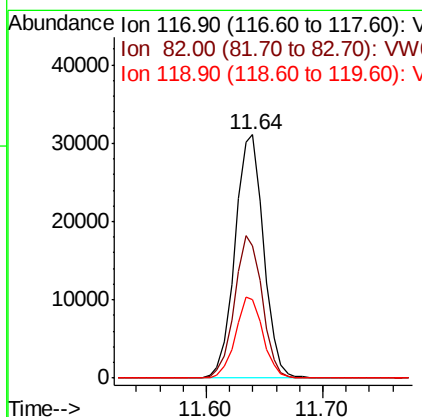
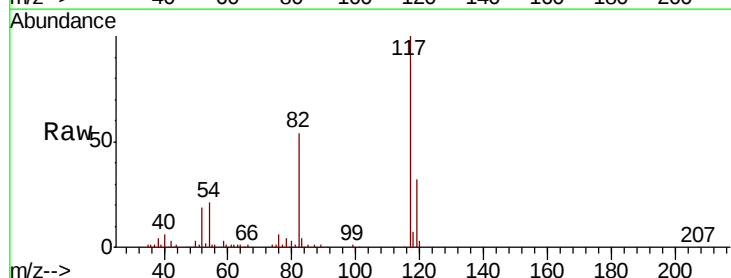
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-A

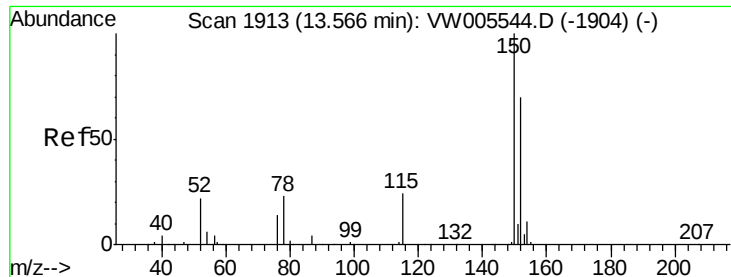
Tgt Ion: 95 Resp: 20550
Ion Ratio Lower Upper
95 100
174 87.3 0.0 163.8
176 83.0 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

Tgt Ion: 117 Resp: 53139
Ion Ratio Lower Upper
117 100
82 54.1 46.9 70.3
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW005684.D

Acq: 27 Sep 2018 06:37

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-A

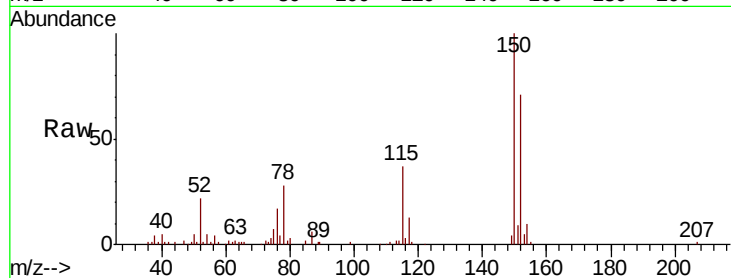
Tgt Ion:152 Resp: 18704

Ion Ratio Lower Upper

152 100

115 56.5 30.0 90.0

150 156.6 0.0 348.6

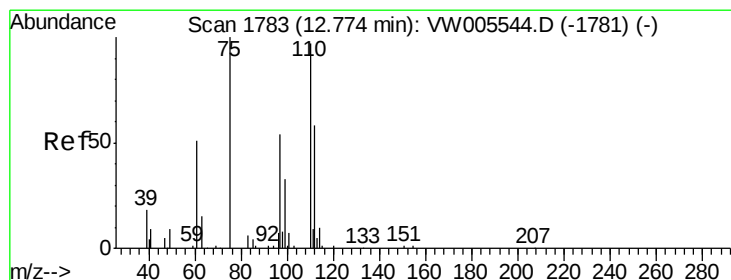
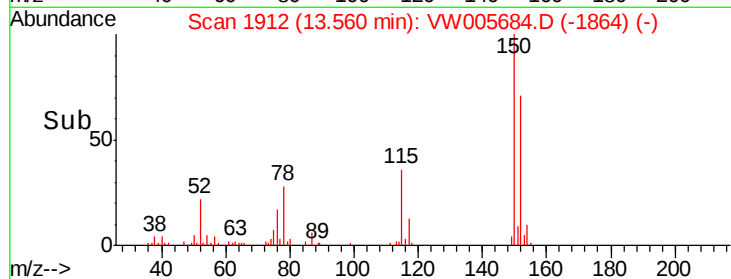
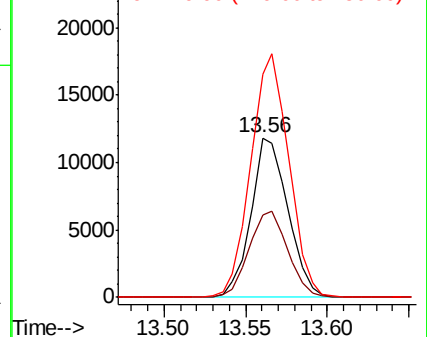


Abundance

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: 66.232 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005684.D

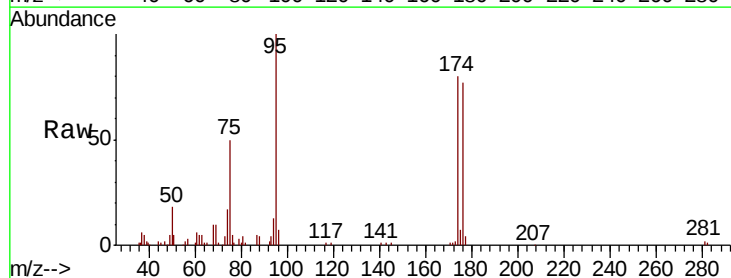
Acq: 27 Sep 2018 06:37

Tgt Ion: 75 Resp: 10560

Ion Ratio Lower Upper

75 100

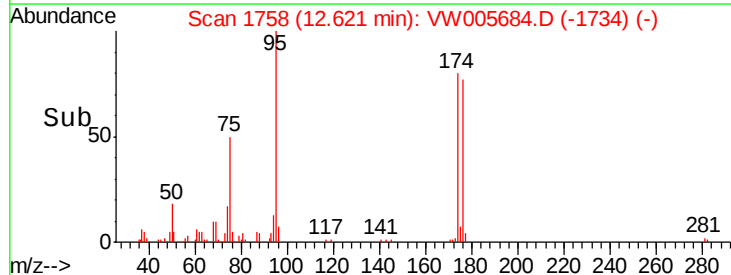
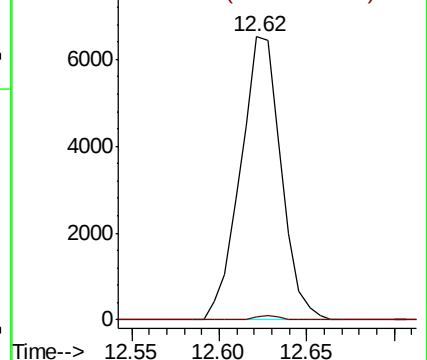
77 0.8 0.0 0.0#

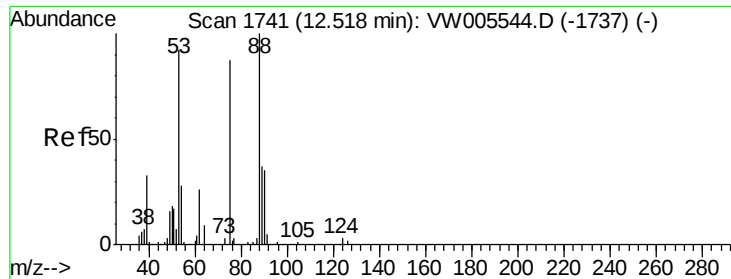


Abundance

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: 149.175 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005684.D

Acq: 27 Sep 2018 06:37

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-A

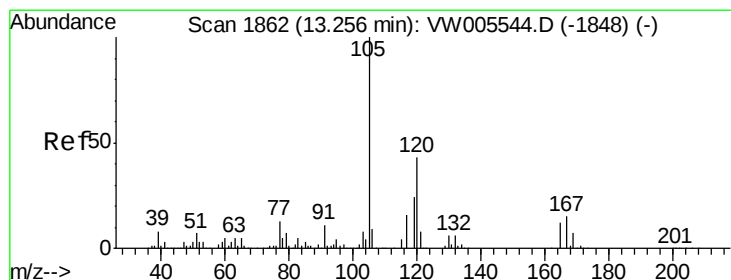
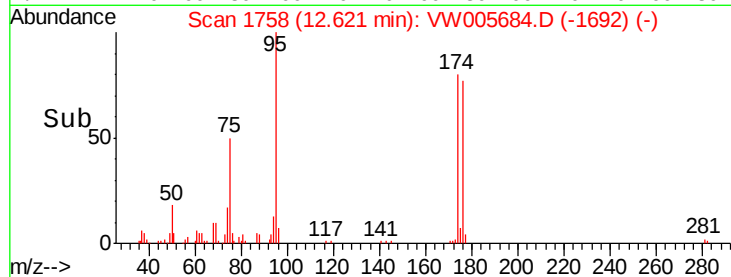
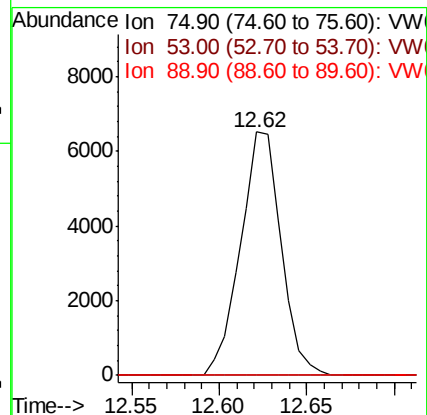
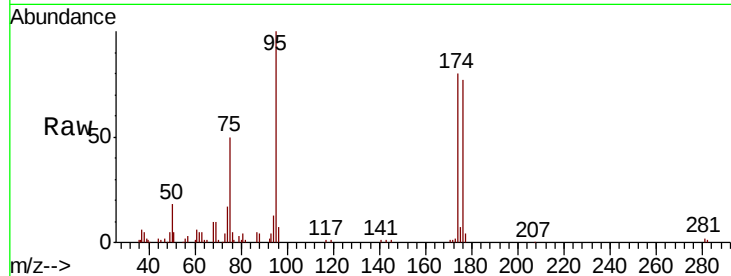
Tgt Ion: 75 Resp: 10560

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

89 0.0 37.3 55.9#



#84

1,2,4-Trimethylbenzene

Concen: 1.131 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW005684.D

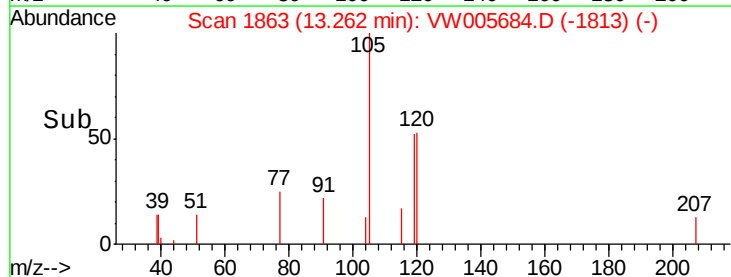
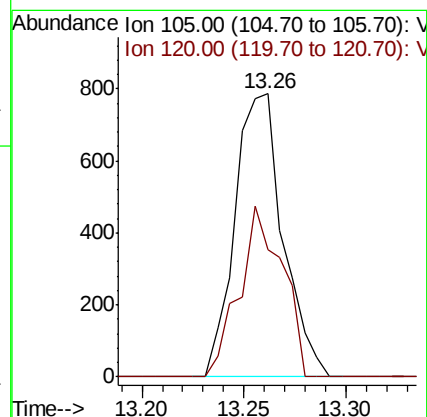
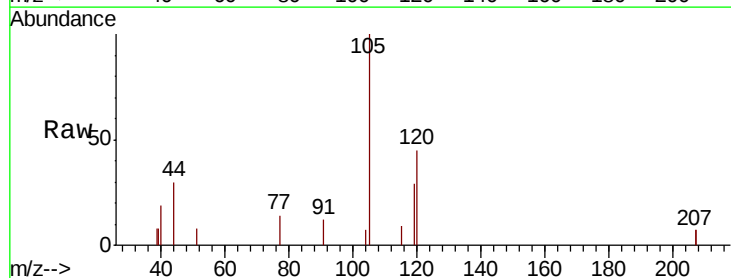
Acq: 27 Sep 2018 06:37

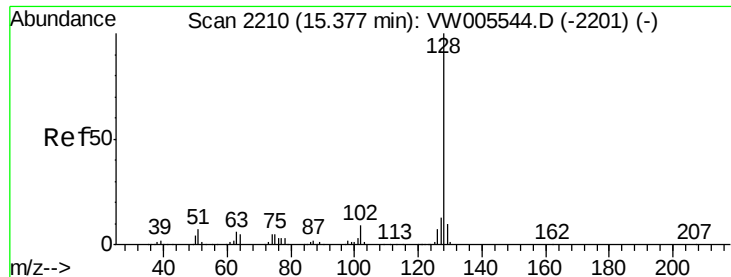
Tgt Ion: 105 Resp: 1287

Ion Ratio Lower Upper

105 100

120 54.0 21.5 64.5

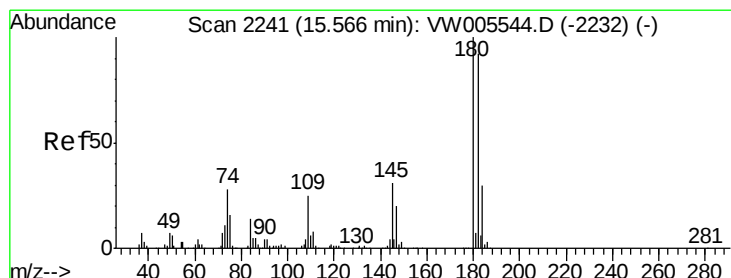
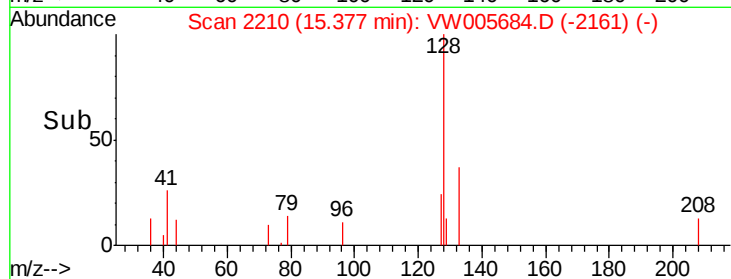
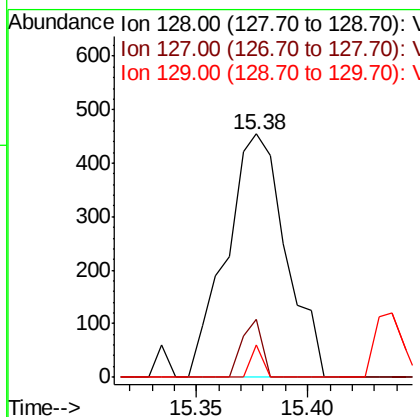
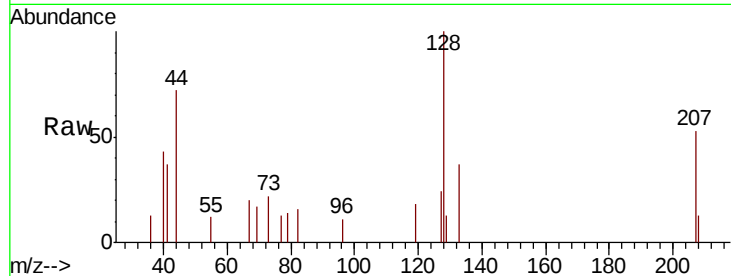




#95
Naphthalene
Concen: 1.285 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-A

Tgt Ion:128 Resp: 846
Ion Ratio Lower Upper
128 100
127 8.0 10.9 16.3#
129 2.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.070 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW005684.D
Acq: 27 Sep 2018 06:37

Tgt Ion:180 Resp: 369
Ion Ratio Lower Upper
180 100
182 48.0 47.3 141.9
145 52.3 16.0 47.9#

