

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005686.D
 Acq On : 27 Sep 2018 07:28
 Operator : VA/AP
 Sample : J4773-15RE
 Misc : 11.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

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

Quant Time: Sep 27 07:54:43 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

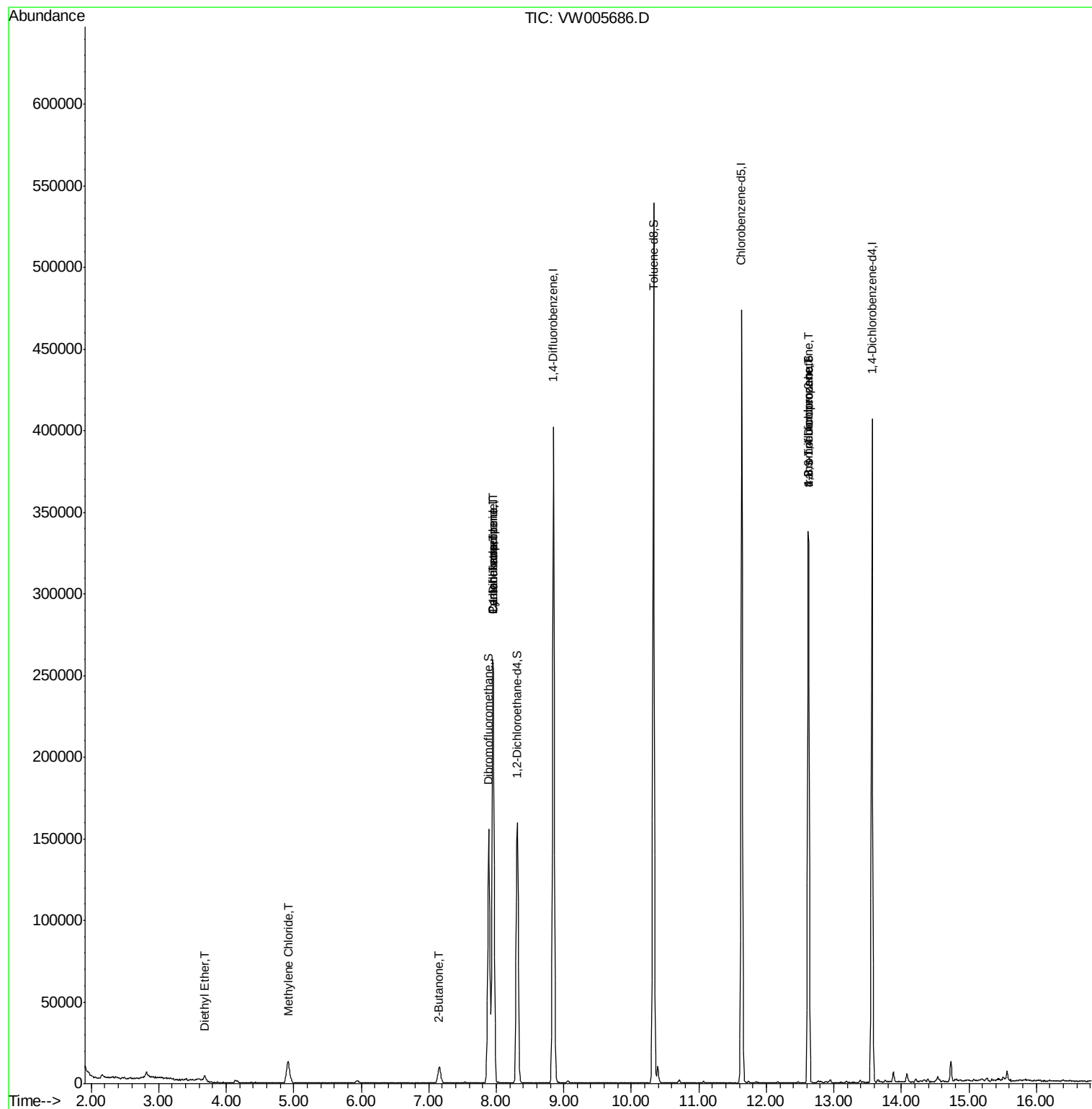
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	322127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	265139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	106258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134293	58.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.00%	
35) Dibromofluoromethane	7.89	113	108588	53.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.20%	
50) Toluene-d8	10.33	98	350848	42.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	12.62	95	111294	36.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.92%	
Target Compounds						
8) Diethyl Ether	3.69	74	1949	2.037	ug/l	92
11) Tert butyl alcohol	5.20	59	108	Below Cal	#	72
16) Acetone	4.14	43	3181	Below Cal	#	84
20) Methylene Chloride	4.93	84	10871	1.492	ug/l	91
25) 2-Butanone	7.16	43	808	1.449	ug/l #	50
31) Cyclohexane	7.95	56	4161	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15157	4.674	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19321	5.560	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	57145	63.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57145	142.096	ug/l #	7

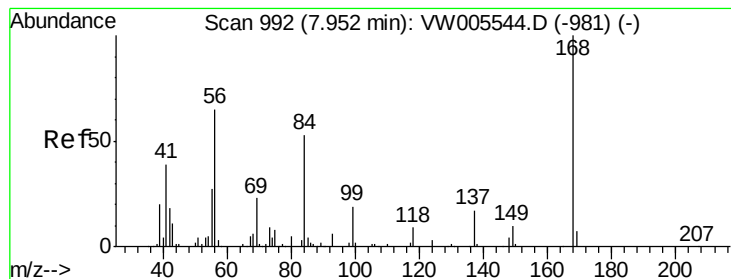
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

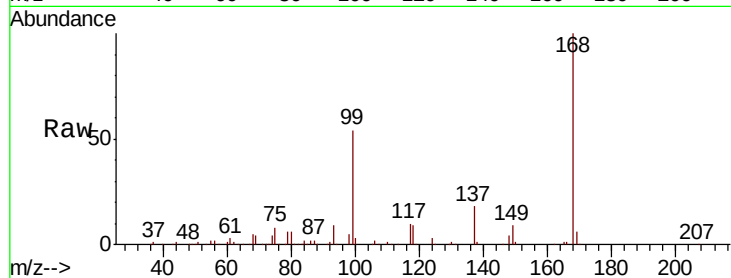
CL-02-092518-CRE

Tgt Ion:168 Resp: 194854

Ion Ratio Lower Upper

168 100

99 53.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

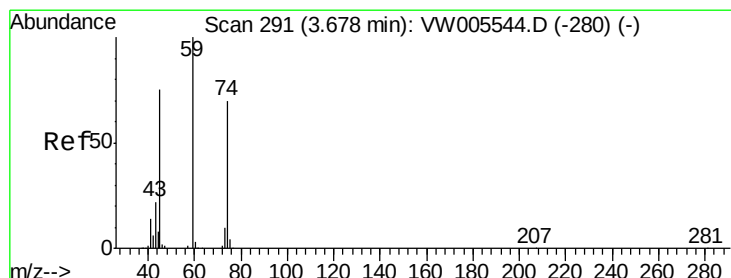
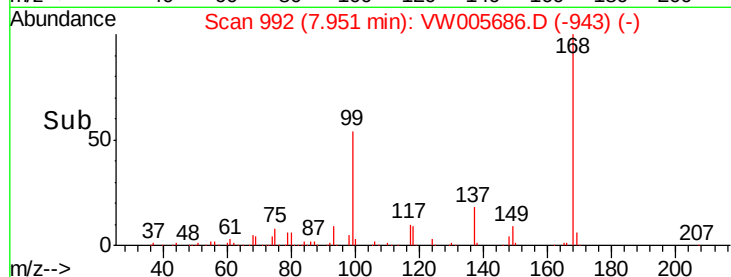
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 2.037 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW005686.D

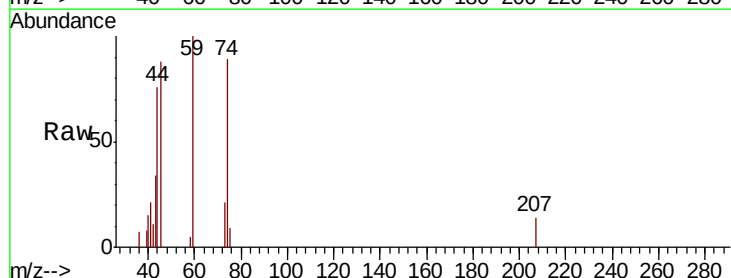
Acq: 27 Sep 2018 07:28

Tgt Ion: 74 Resp: 1949

Ion Ratio Lower Upper

74 100

45 111.8 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

600

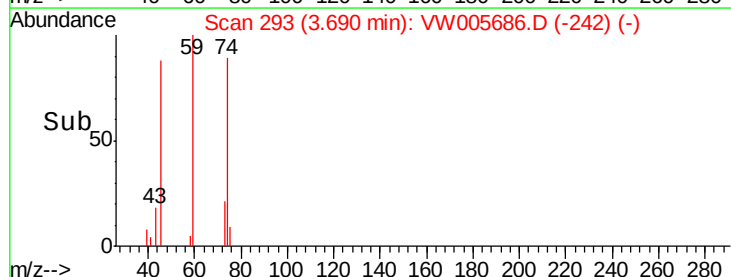
400

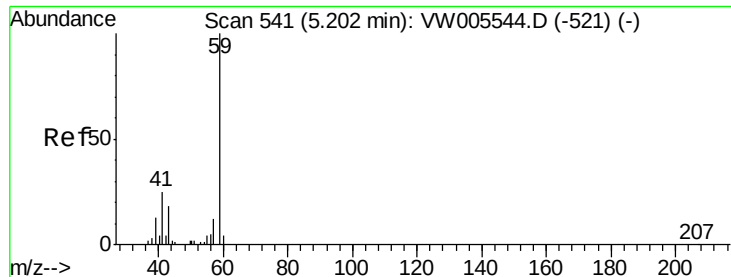
200

0

3.60 3.65 3.70 3.75

Time-->



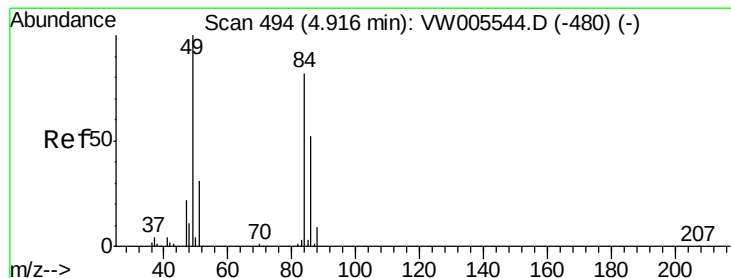
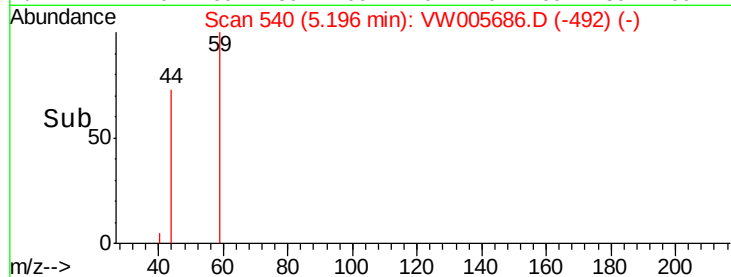
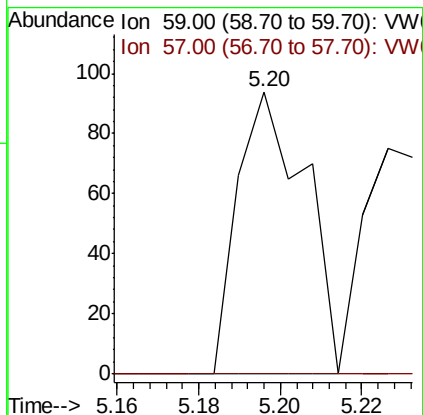
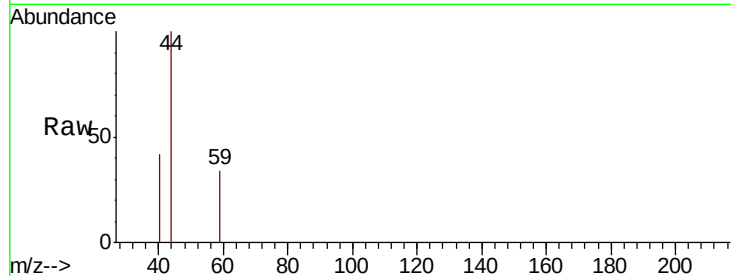


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VW005686.D
 Acq: 27 Sep 2018 07:28

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

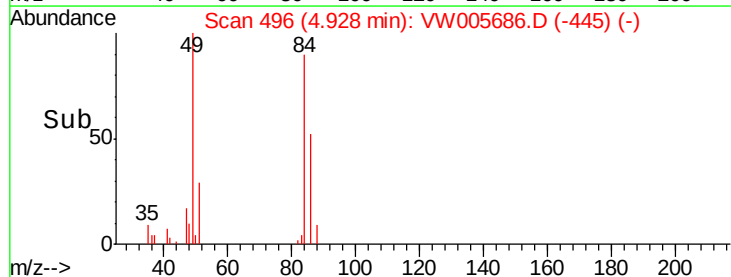
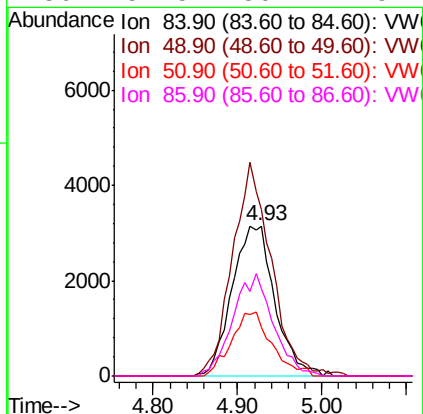
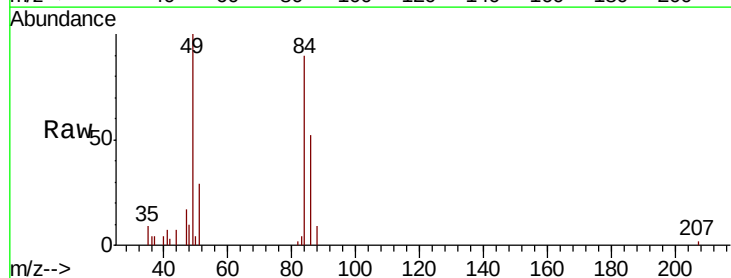
Tgt Ion: 59 Resp: 108
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

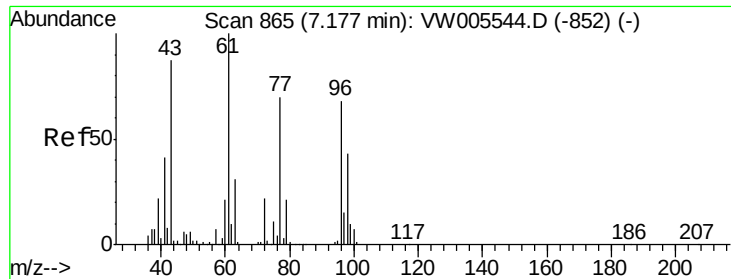


#20

Methylene Chloride
 Concen: 1.492 ug/l
 RT: 4.93 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VW005686.D
 Acq: 27 Sep 2018 07:28

Tgt Ion: 84 Resp: 10871
 Ion Ratio Lower Upper
 84 100
 49 110.6 97.0 145.6
 51 32.0 30.2 45.2
 86 57.5 50.2 75.4





#25

2-Butanone

Concen: 1.449 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

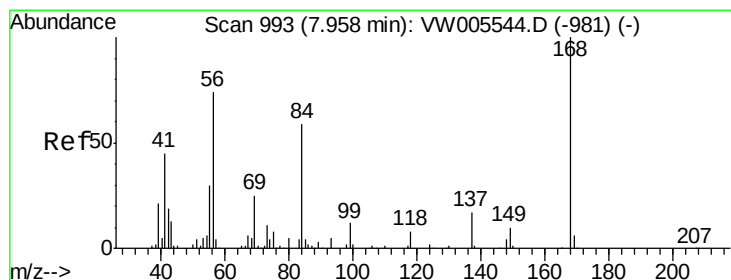
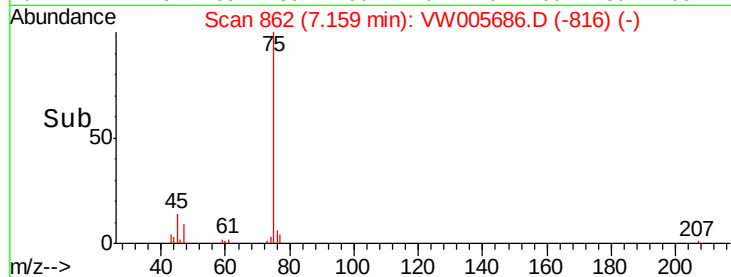
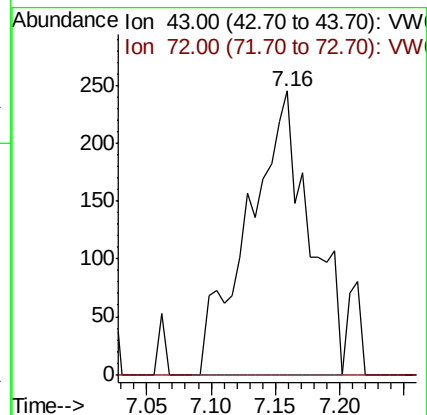
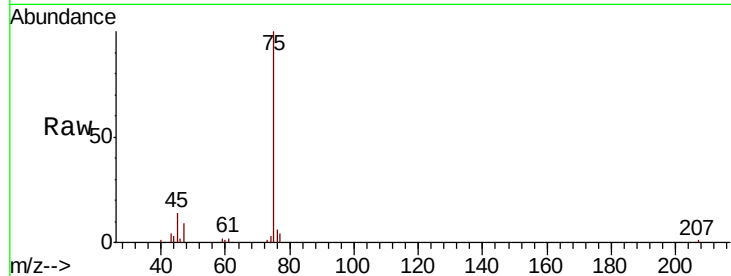
CL-02-092518-CRE

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

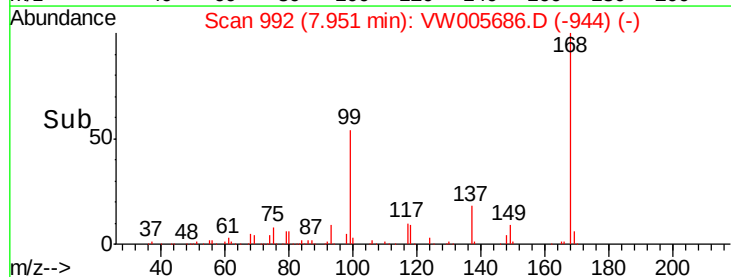
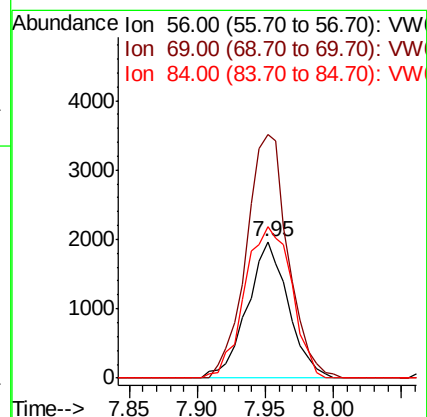
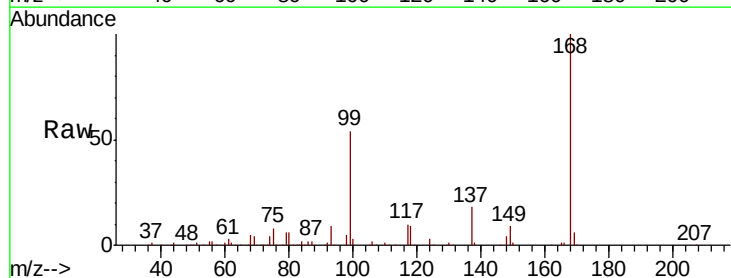
Tgt Ion: 56 Resp: 4161

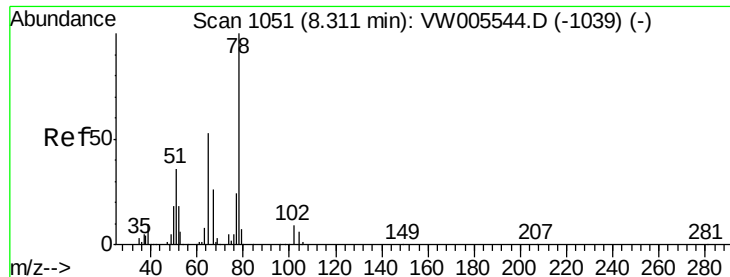
Ion Ratio Lower Upper

56 100

69 178.9 27.0 40.4#

84 111.4 64.2 96.4#

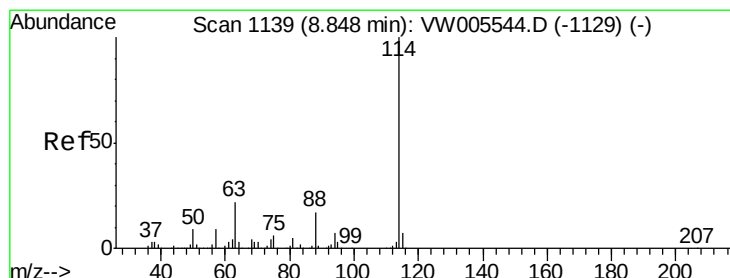
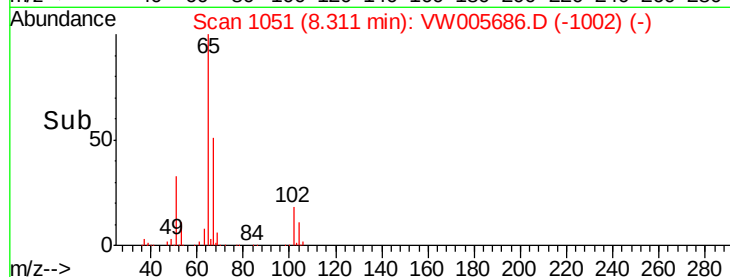
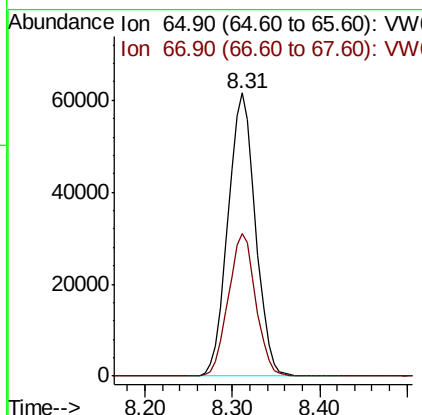
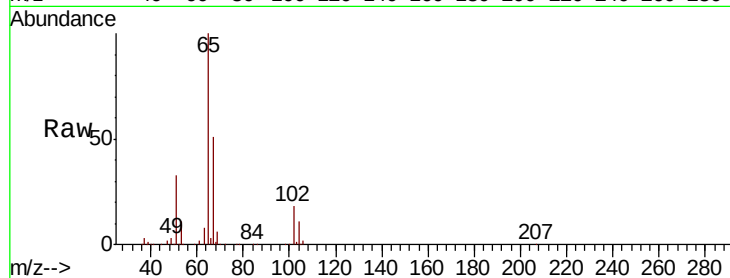




#33
 1,2-Dichloroethane-d4
 Concen: 58.502 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005686.D
 Acq: 27 Sep 2018 07:28

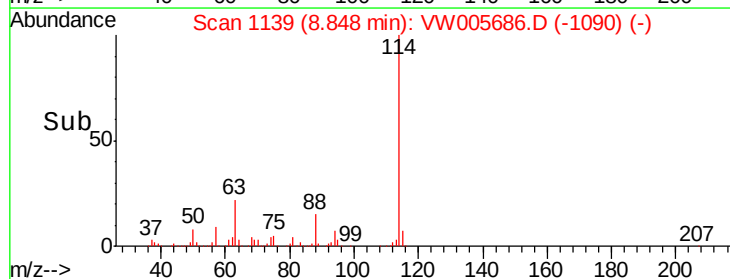
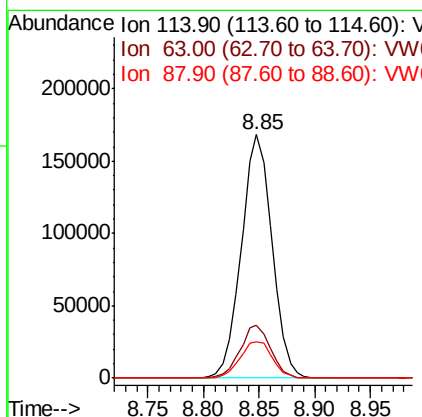
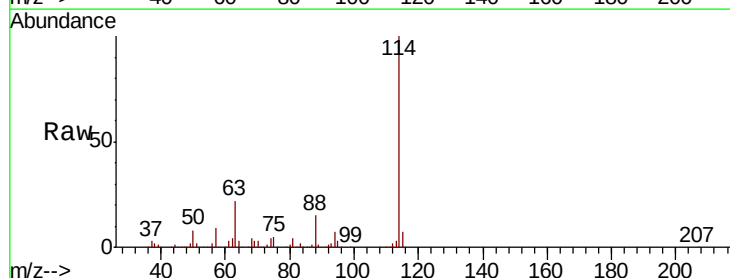
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-092518-CRE

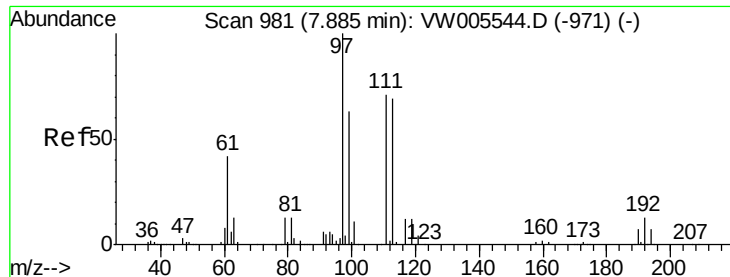
Tgt Ion: 65 Resp: 134293
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005686.D
 Acq: 27 Sep 2018 07:28

Tgt Ion: 114 Resp: 322127
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 15.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.604 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-CRE

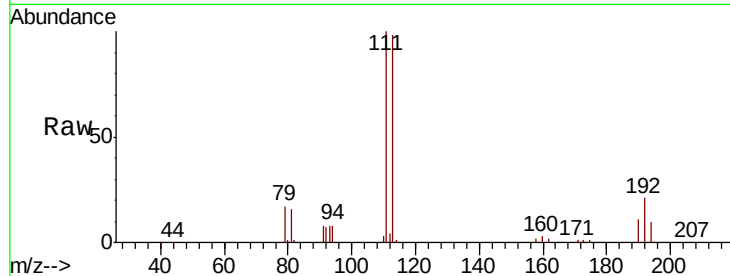
Tgt Ion:113 Resp: 108588

Ion Ratio Lower Upper

113 100

111 100.5 82.6 123.8

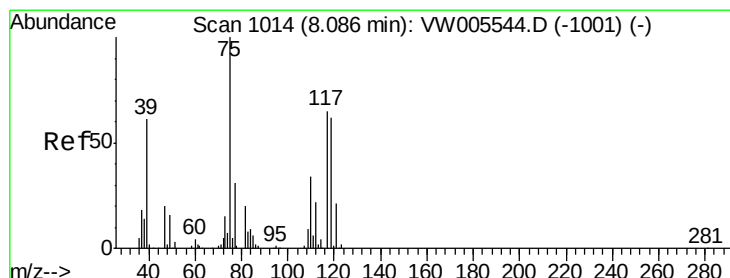
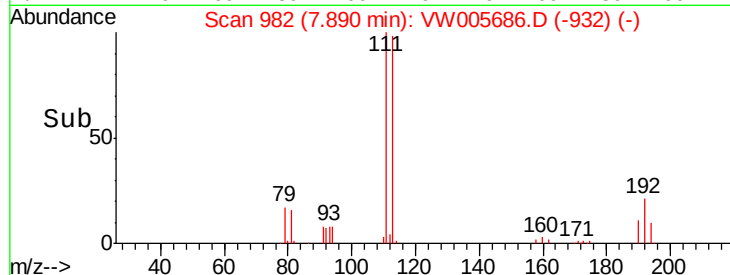
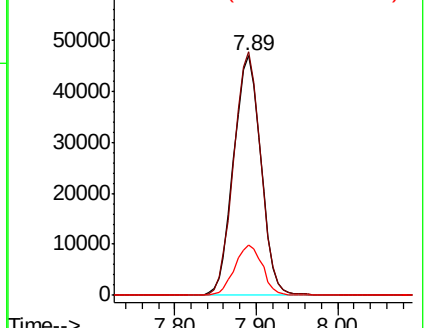
192 21.2 17.0 25.4



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: 4.674 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

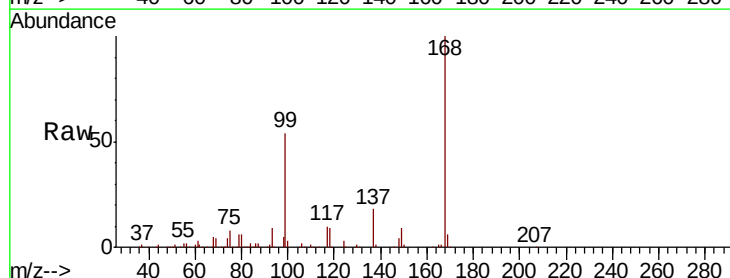
Tgt Ion: 75 Resp: 15157

Ion Ratio Lower Upper

75 100

110 10.1 17.0 50.9#

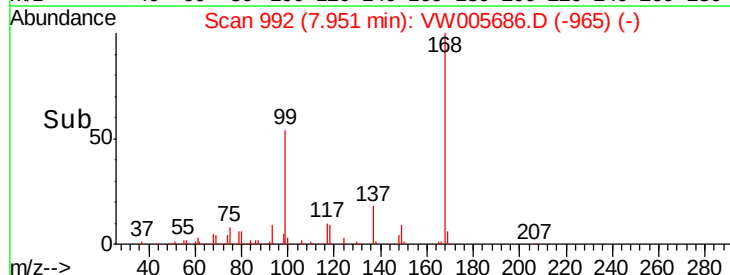
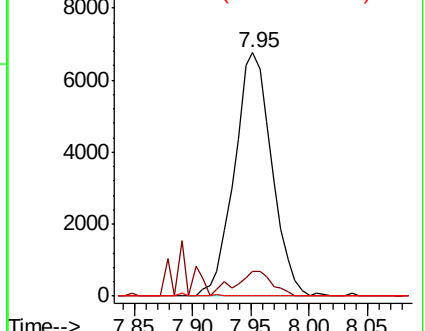
77 0.0 24.8 37.2#

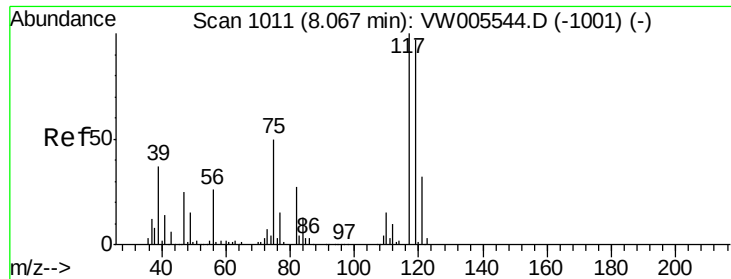


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-CRE

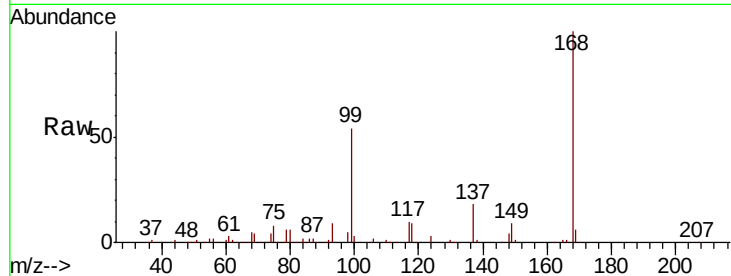
Tgt Ion:117 Resp: 19321

Ion Ratio Lower Upper

117 100

119 4.4 77.6 116.4#

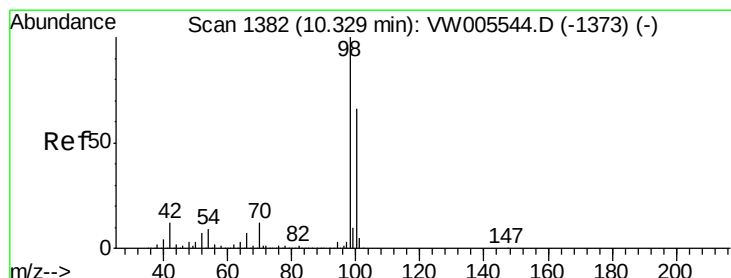
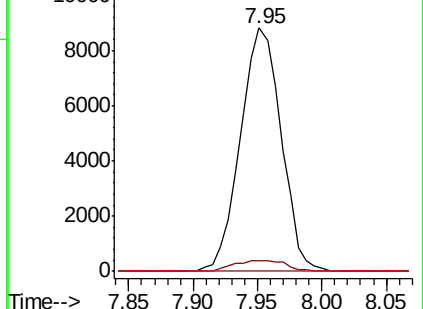
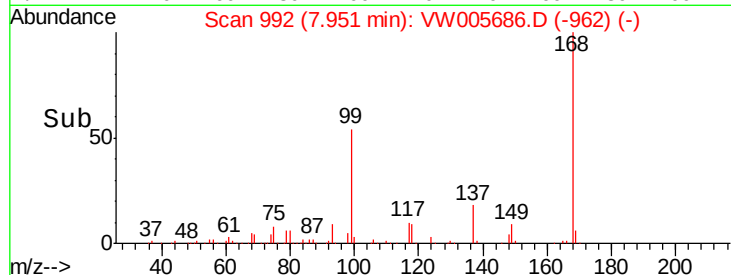
121 0.0 25.7 38.5#



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: 42.536 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005686.D

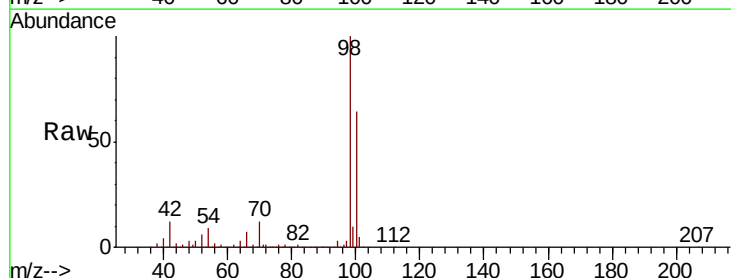
Acq: 27 Sep 2018 07:28

Tgt Ion: 98 Resp: 350848

Ion Ratio Lower Upper

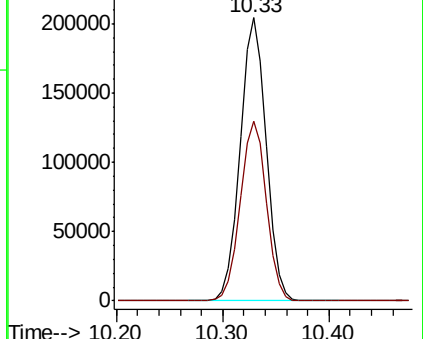
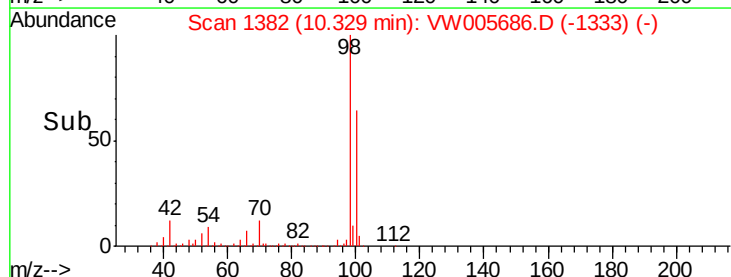
98 100

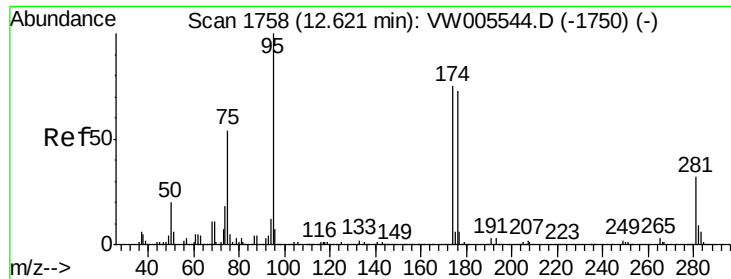
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

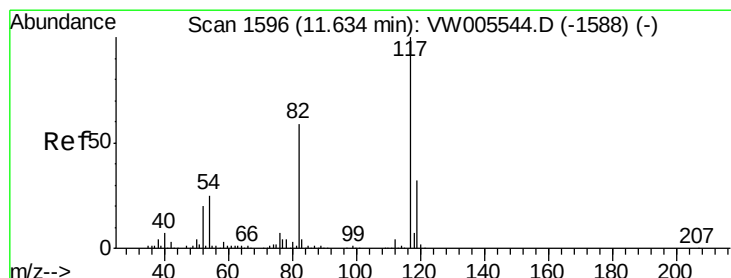
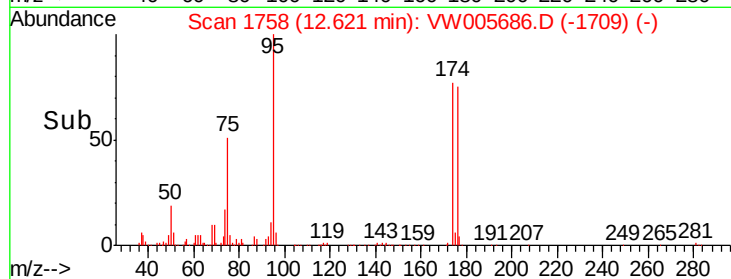
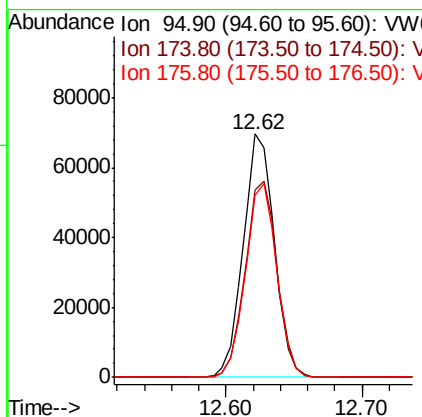
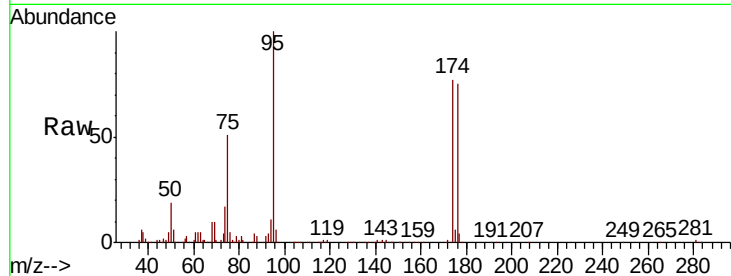




#62
4-Bromofluorobenzene
Concen: 36.465 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005686.D
Acq: 27 Sep 2018 07:28

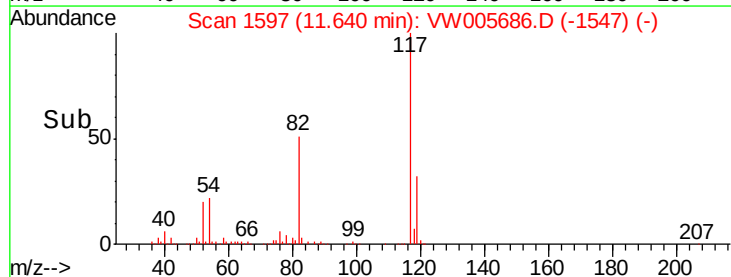
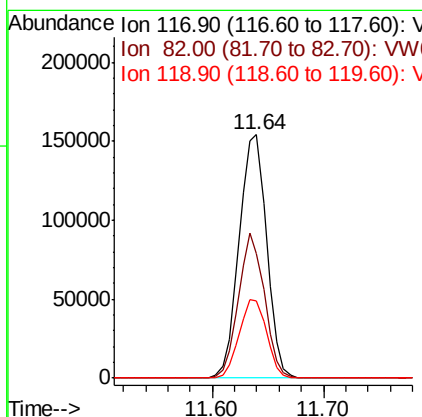
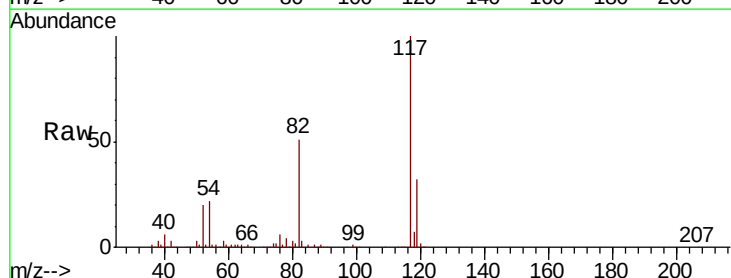
Instrument :
MSVOA_W
ClientSampleId :
CL-02-092518-CRE

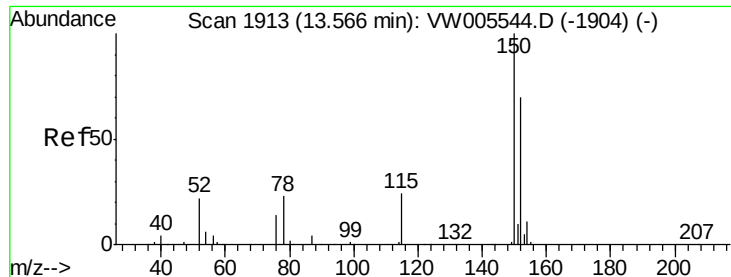
Tgt Ion: 95 Resp: 111294
Ion Ratio Lower Upper
95 100
174 83.0 0.0 163.8
176 80.6 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005686.D
Acq: 27 Sep 2018 07:28

Tgt Ion: 117 Resp: 265139
Ion Ratio Lower Upper
117 100
82 51.0 46.9 70.3
119 31.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-CRE

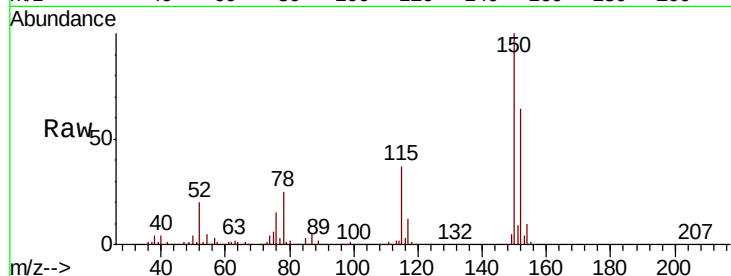
Tgt Ion:152 Resp: 106258

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

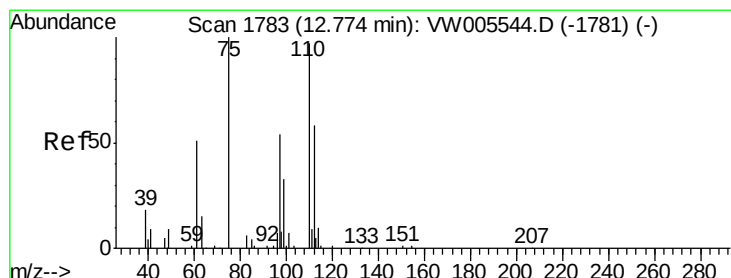
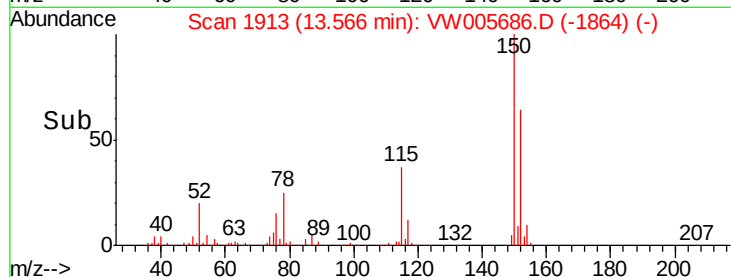
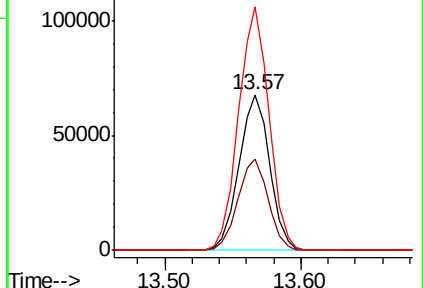
150 155.4 0.0 348.6



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: 63.089 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005686.D

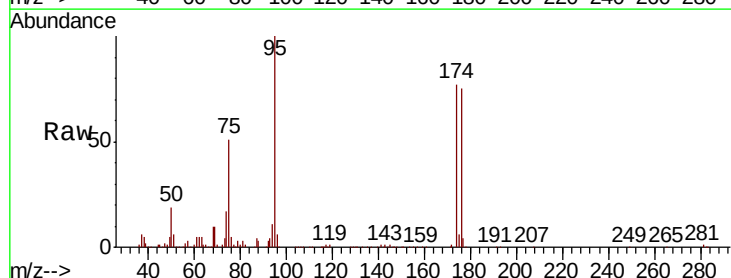
Acq: 27 Sep 2018 07:28

Tgt Ion: 75 Resp: 57145

Ion Ratio Lower Upper

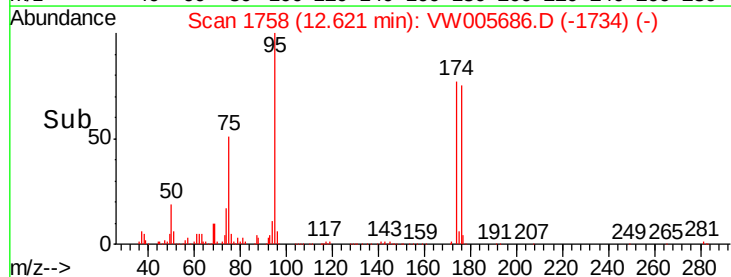
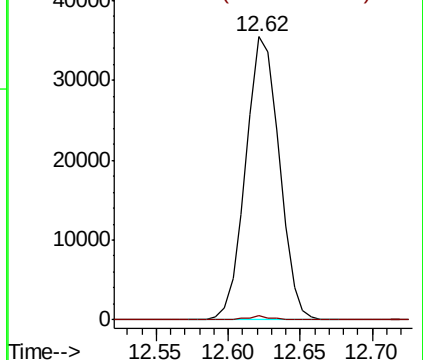
75 100

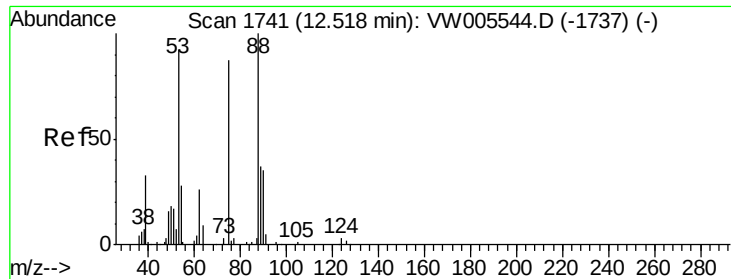
77 1.1 0.0 0.0#



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: 142.096 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005686.D

Acq: 27 Sep 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

CL-02-092518-CRE

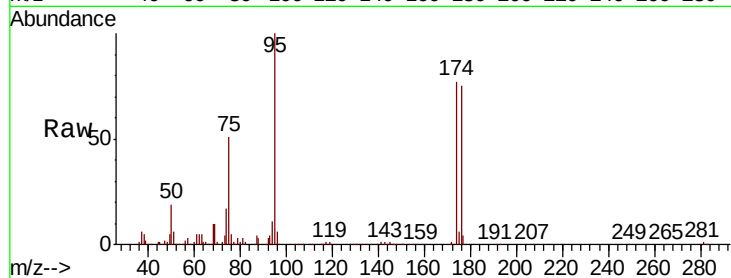
Tgt Ion: 75 Resp: 57145

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.1 37.3 55.9#



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

