

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005589.D
 Acq On : 24 Sep 2018 17:05
 Operator : VA/AP
 Sample : J4770-05
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-C

Quant Time: Sep 25 04:57:56 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	234765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	369168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	111085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	88775	32.10	ug/l	0.00
Spiked Amount			Recovery	=	64.20%	
35) Dibromofluoromethane	7.89	113	73856	31.81	ug/l	0.00
Spiked Amount			Recovery	=	63.62%	
50) Toluene-d8	10.33	98	238751	25.26	ug/l	0.00
Spiked Amount			Recovery	=	50.52%	
62) 4-Bromofluorobenzene	12.62	95	69849	19.97	ug/l	0.00
Spiked Amount			Recovery	=	39.94%	

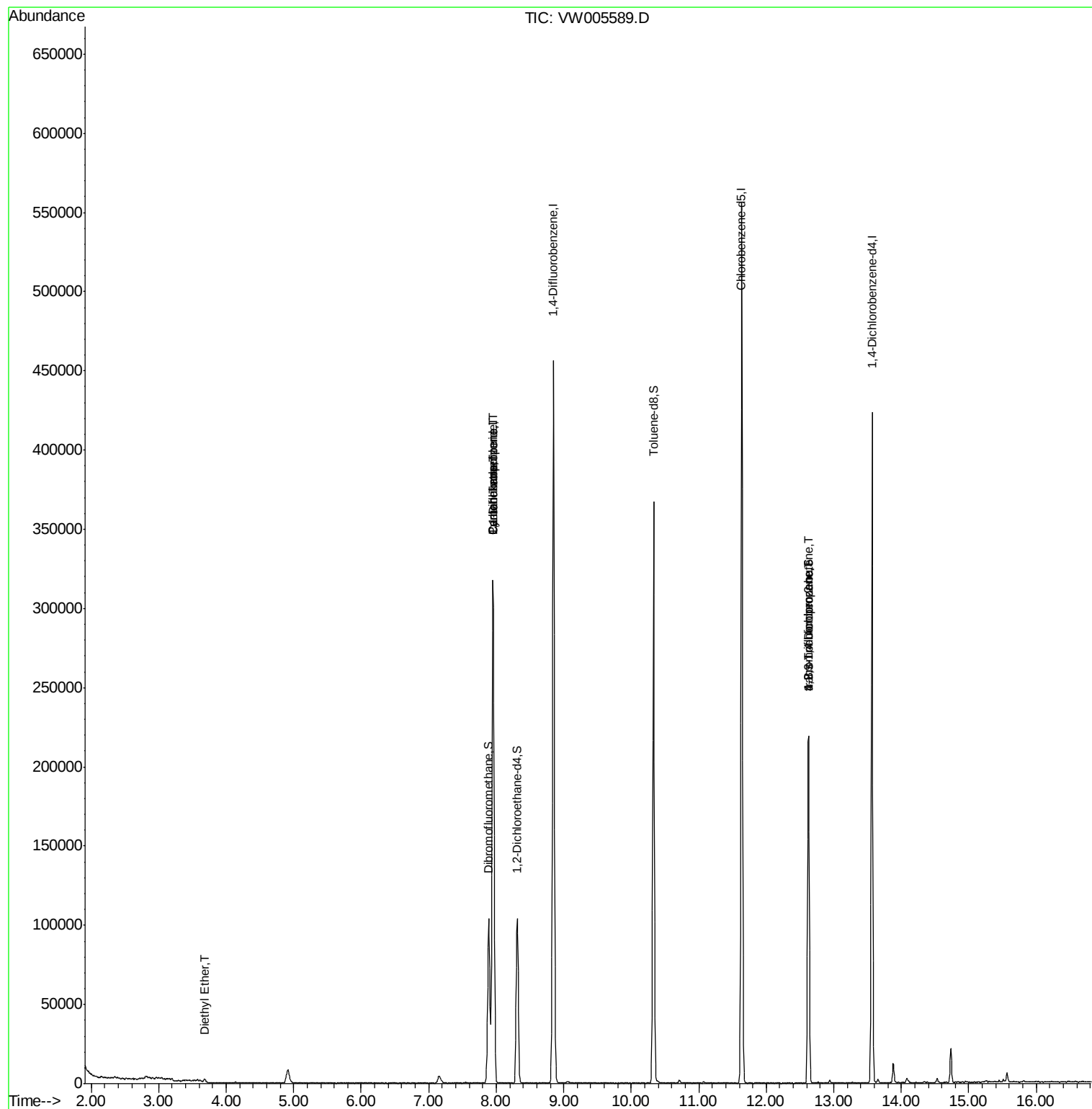
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27	Below Cal	#	41
8) Diethyl Ether	3.68	74	1206	1.046	ug/l	92
11) Tert butyl alcohol	5.22	59	23	Below Cal	#	72
16) Acetone	4.15	43	1128	Below Cal	#	80
20) Methylene Chloride	4.91	84	6584	Below Cal		96
31) Cyclohexane	7.95	56	5279	1.231	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	18131	4.879	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23450	5.889	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	37105	39.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37105	88.256	ug/l #	7

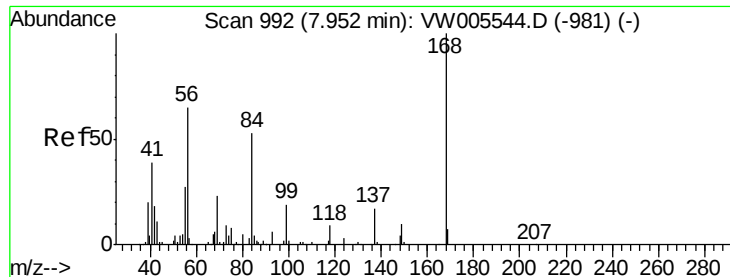
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

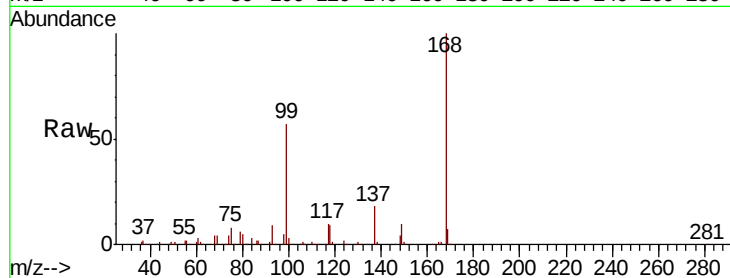
JC-02-092118-C

Tot Ion:168 Resp: 234765

Ion Ratio Lower Upper

168 100

99 56.7 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

120000

100000

80000

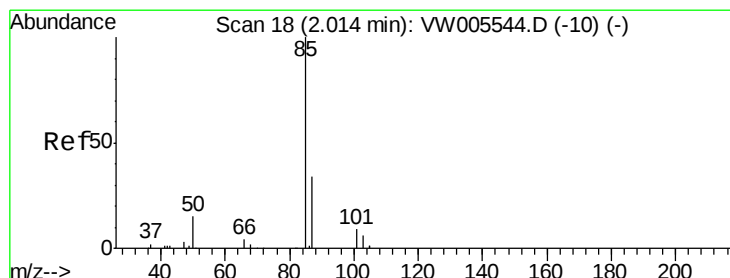
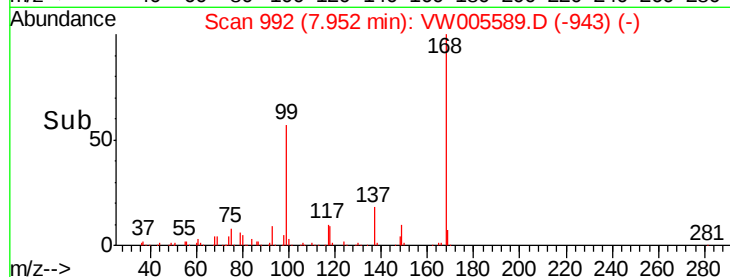
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005589.D

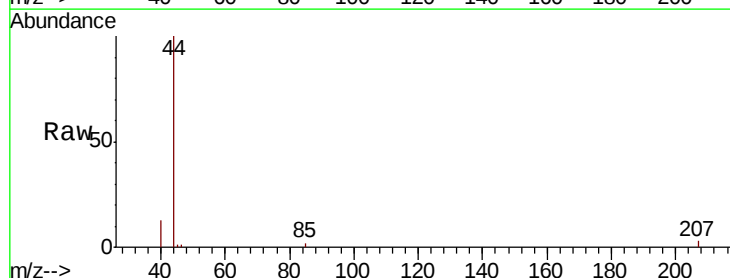
Acq: 24 Sep 2018 17:05

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80

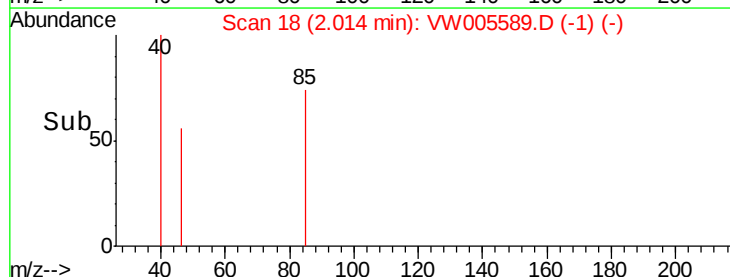
60

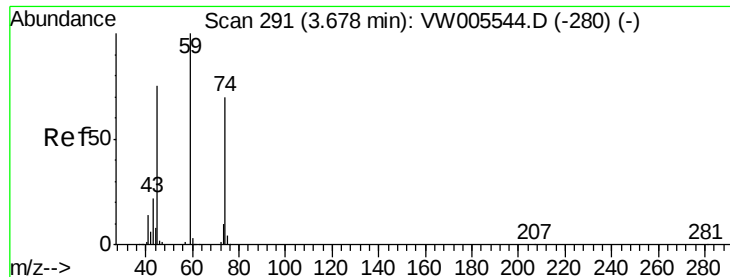
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.046 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

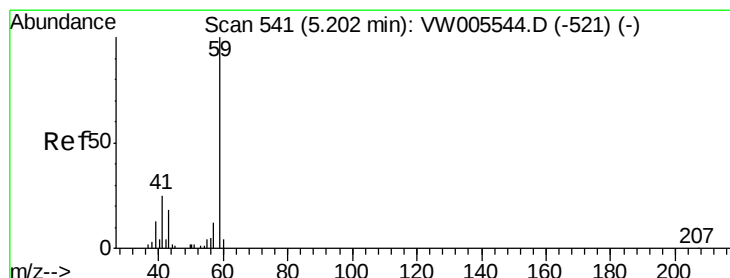
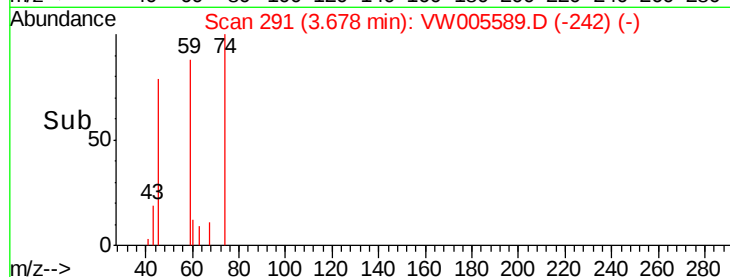
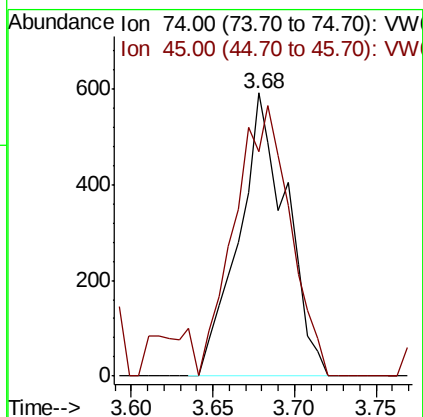
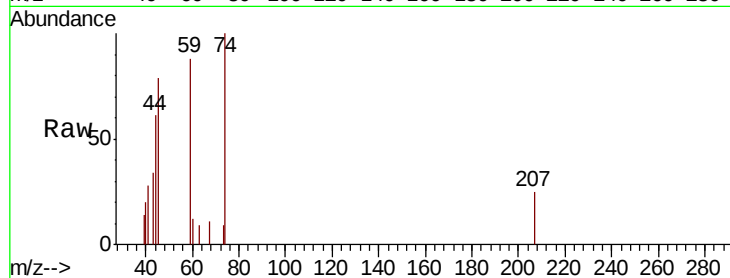
JC-02-092118-C

Tot Ion: 74 Resp: 1206

Ion Ratio Lower Upper

74 100

45 111.8 51.7 155.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.02 min

Lab File: VW005589.D

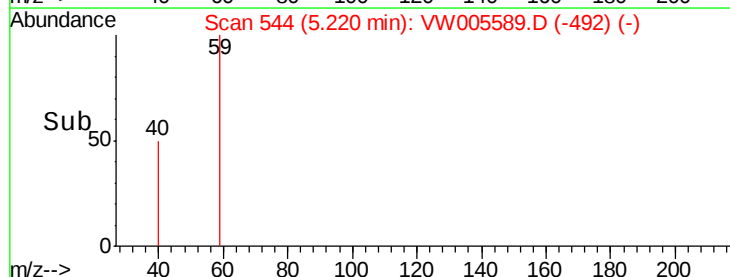
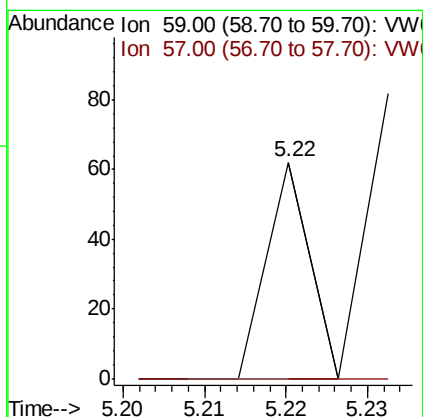
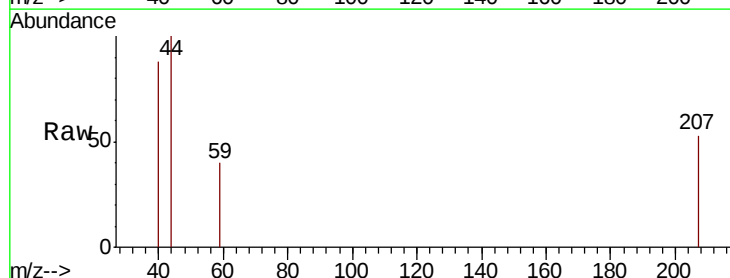
Acq: 24 Sep 2018 17:05

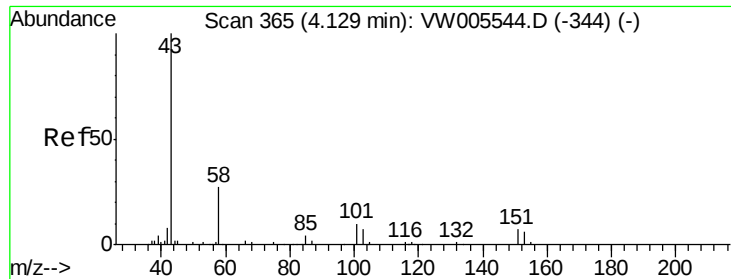
Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

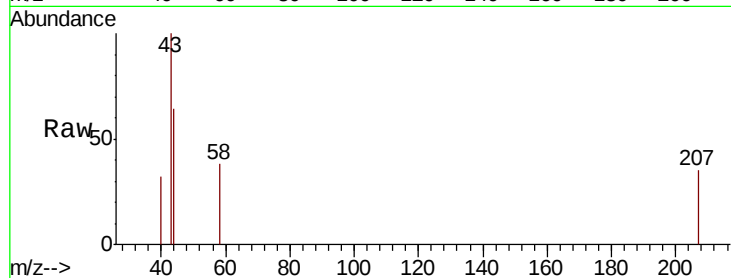
JC-02-092118-C

Tot Ion: 43 Resp: 1128

Ion Ratio Lower Upper

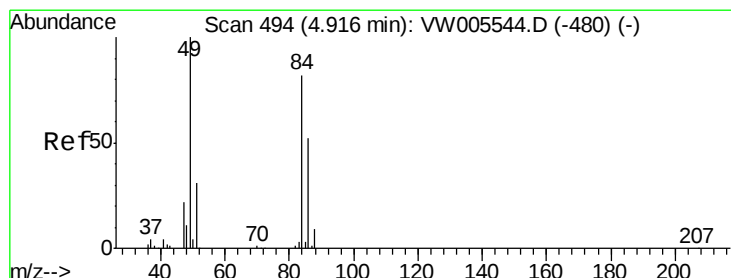
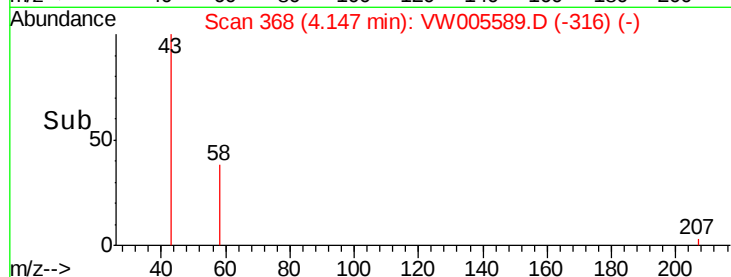
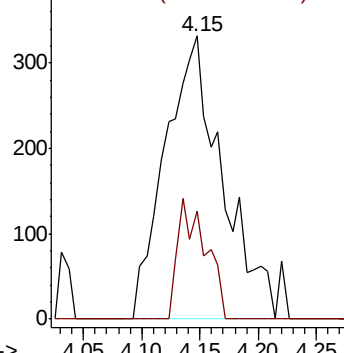
43 100

58 38.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Tgt Ion: 84 Resp: 6584

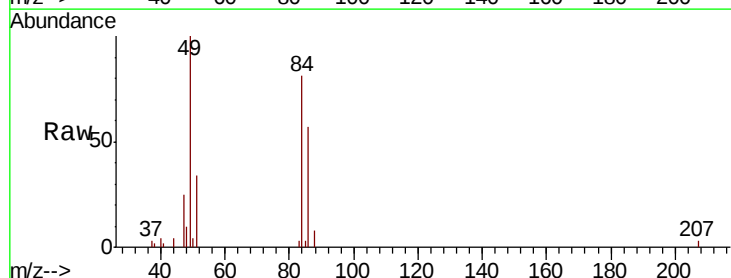
Ion Ratio Lower Upper

84 100

49 122.8 97.0 145.6

51 41.3 30.2 45.2

86 69.8 50.2 75.4

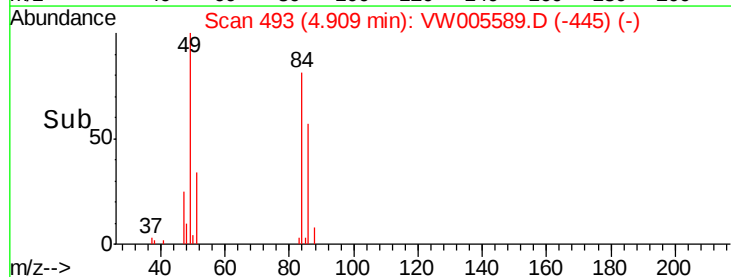
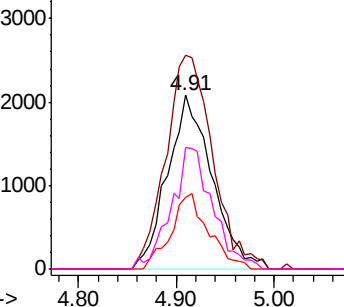


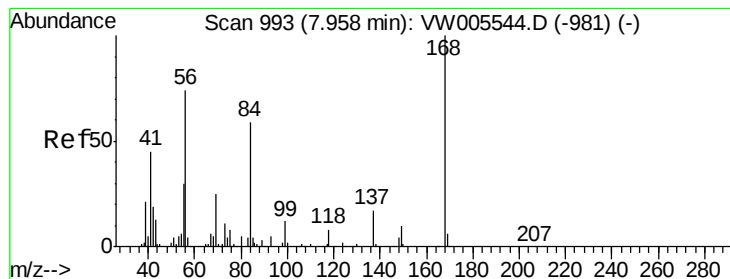
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-C

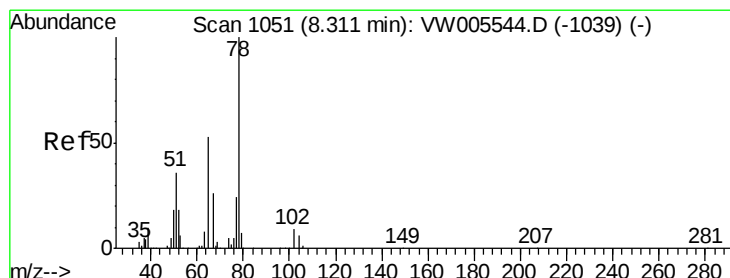
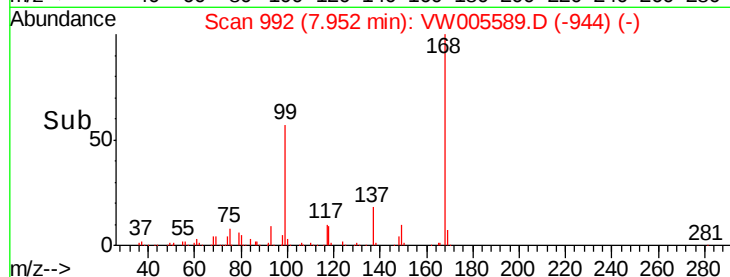
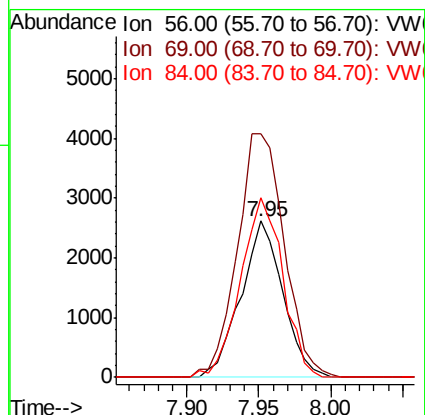
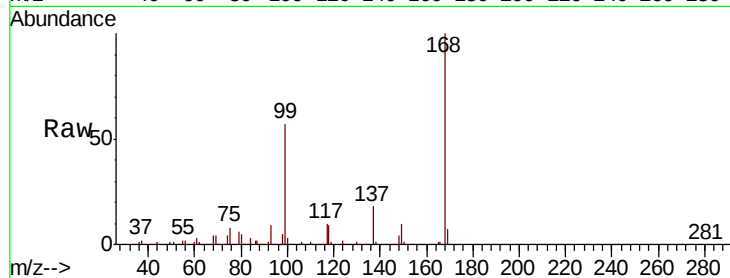
Tot Ion: 56 Resp: 5279

Ion Ratio Lower Upper

56 100

69 156.0 27.0 40.4#

84 114.9 64.2 96.4#



#33

1,2-Dichloroethane-d4

Concen: 32.099 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005589.D

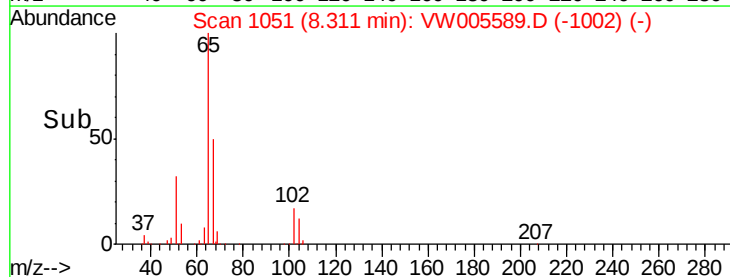
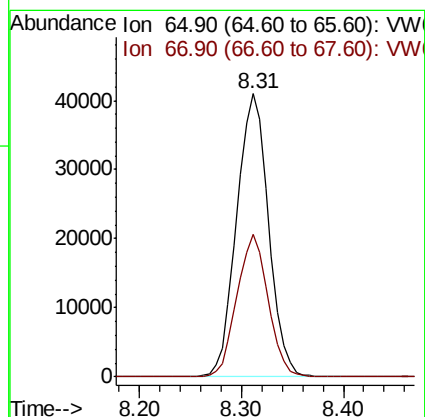
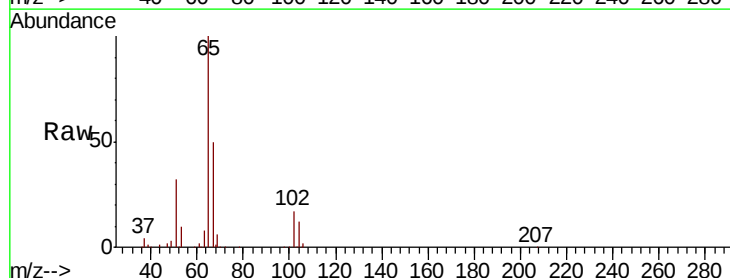
Acq: 24 Sep 2018 17:05

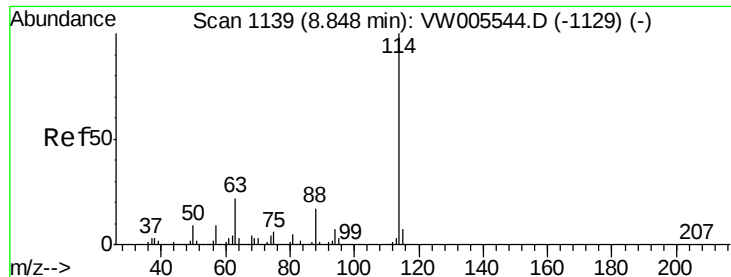
Tgt Ion: 65 Resp: 88775

Ion Ratio Lower Upper

65 100

67 49.2 0.0 100.6

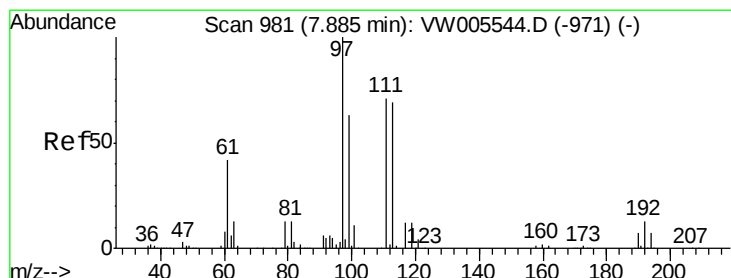
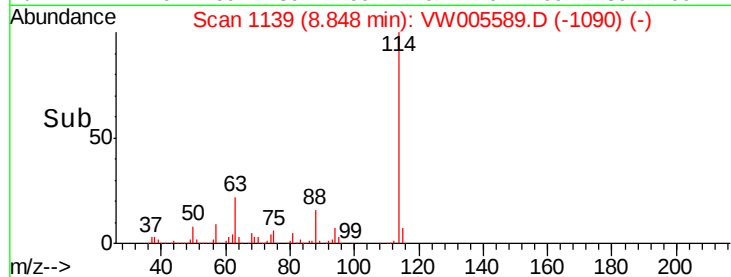
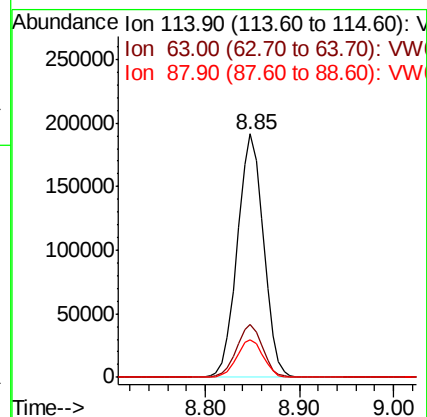
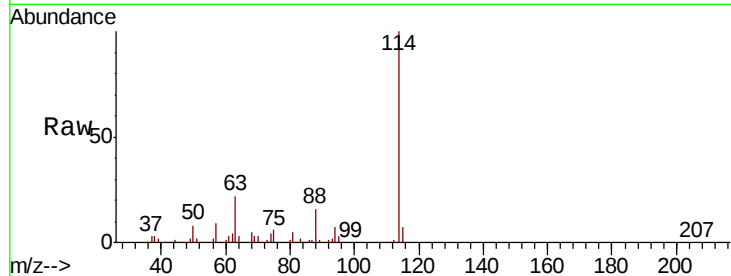




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005589.D
 Acq: 24 Sep 2018 17:05

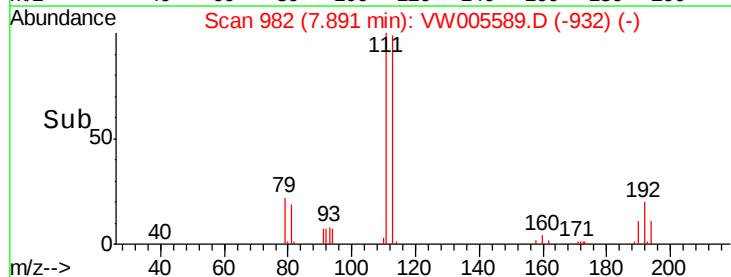
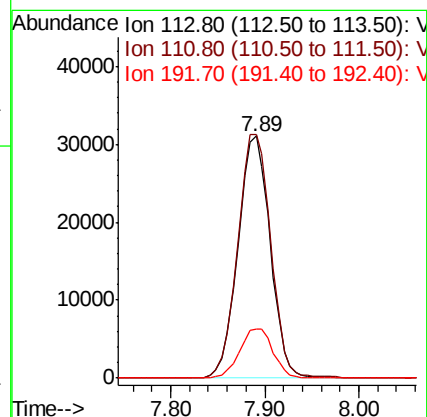
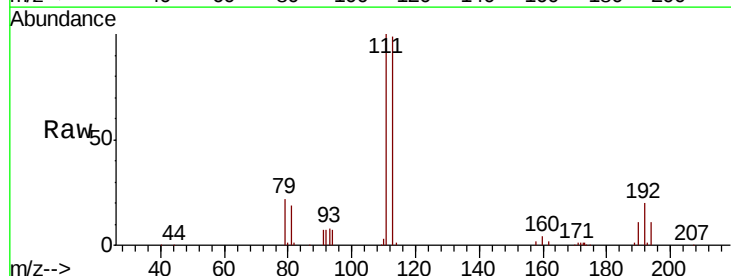
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-C

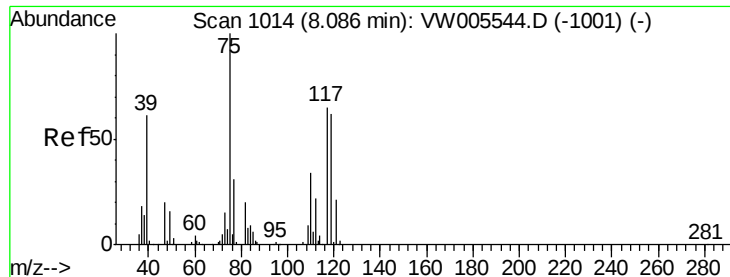
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	15.6	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 31.813 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005589.D
 Acq: 24 Sep 2018 17:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	20.9	17.0	25.4





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-C

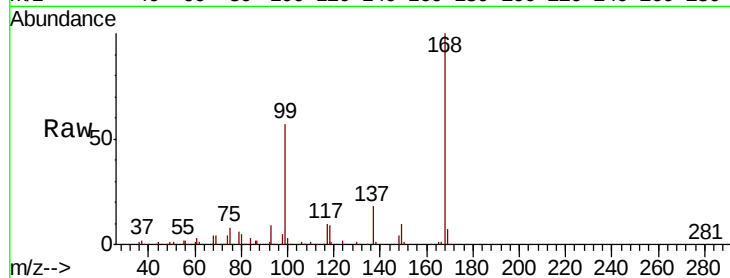
Tot Ion: 75 Resp: 18131

Ion Ratio Lower Upper

75 100

110 10.2 17.0 50.9#

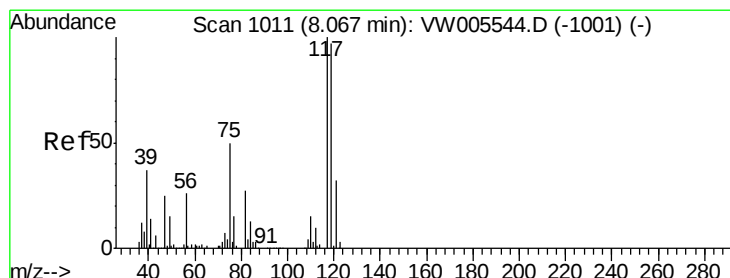
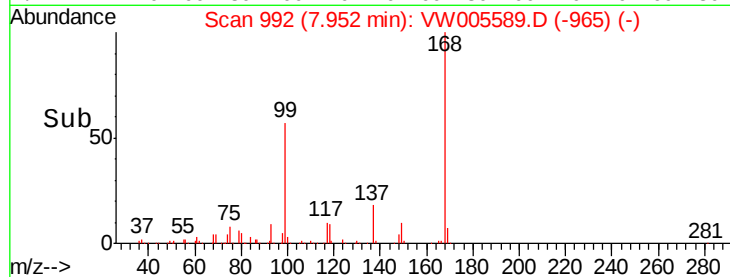
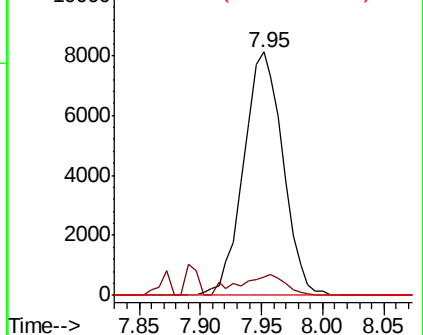
77 0.0 24.8 37.2#



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: 5.889 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

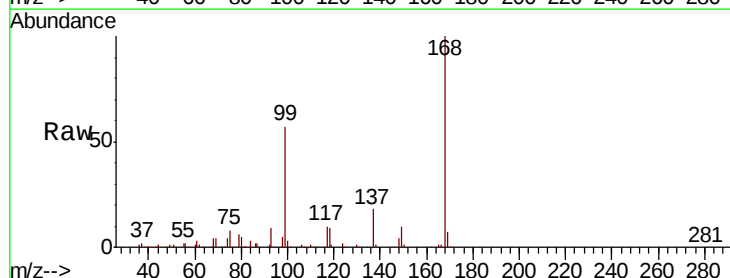
Tgt Ion: 117 Resp: 23450

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

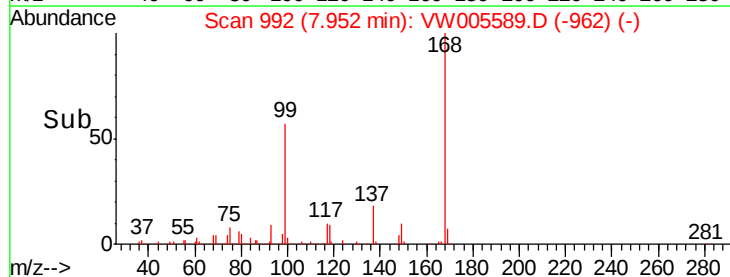
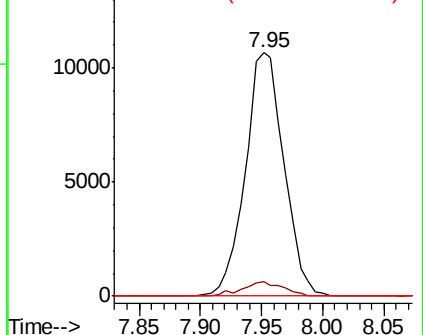
121 0.0 25.7 38.5#

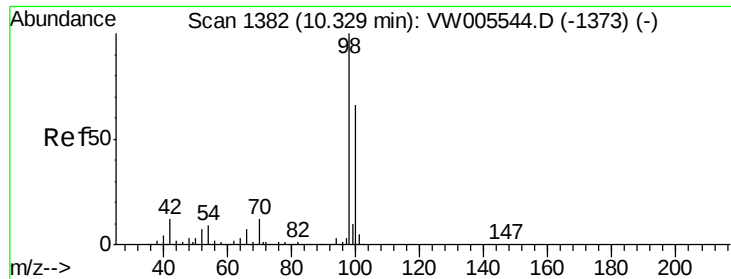


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 25.257 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

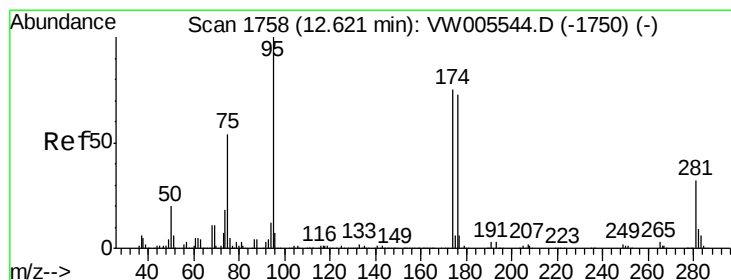
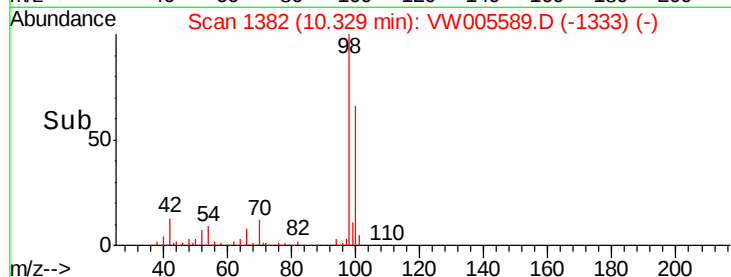
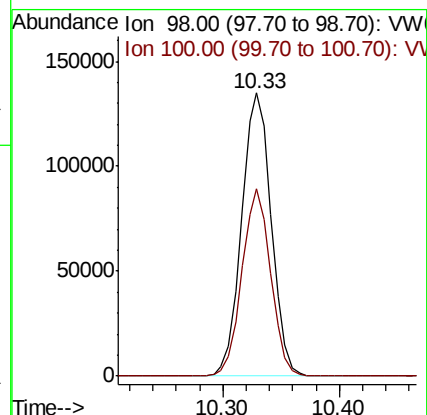
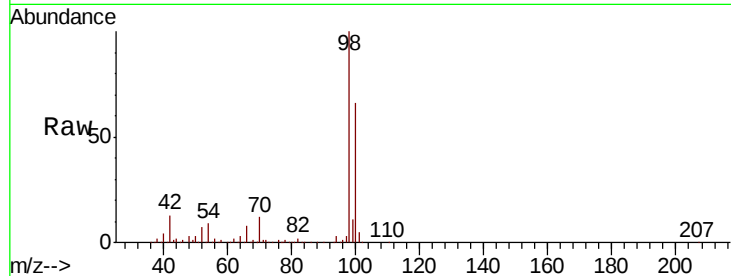
JC-02-092118-C

Tot Ion: 98 Resp: 238751

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 19.969 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

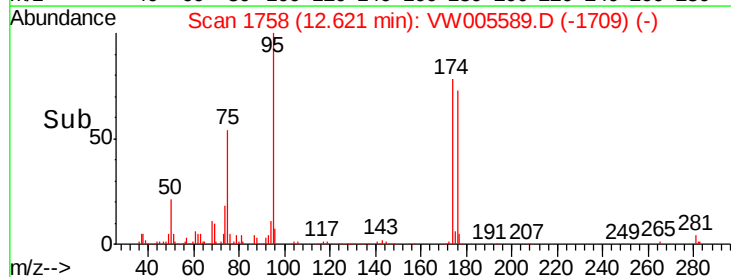
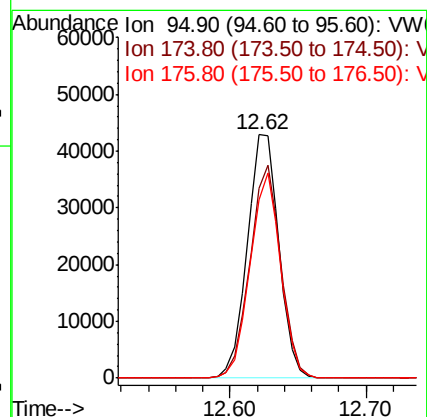
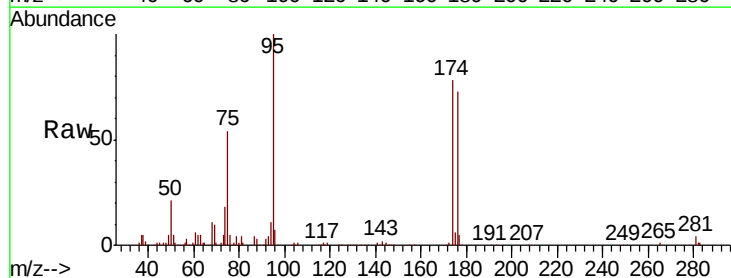
Tgt Ion: 95 Resp: 69849

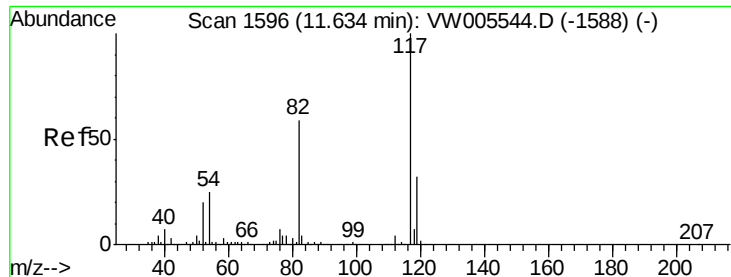
Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.8

176 81.4 0.0 158.0

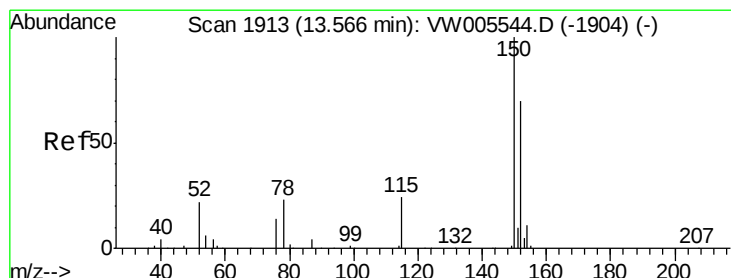
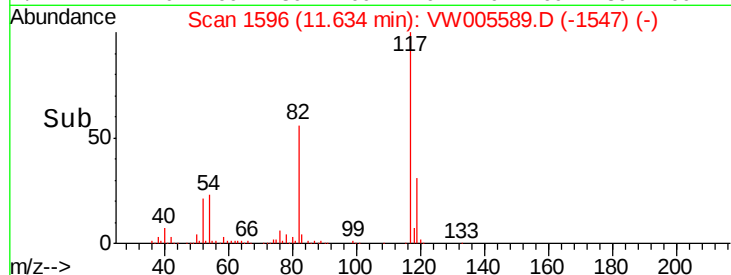
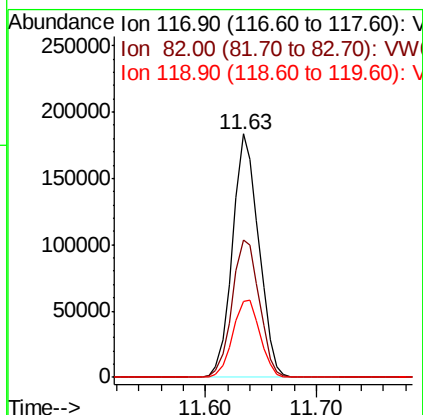
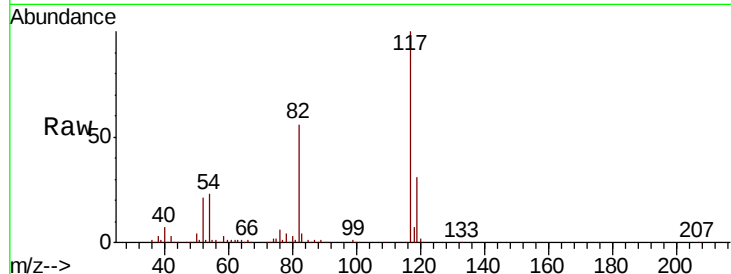




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005589.D
Acq: 24 Sep 2018 17:05

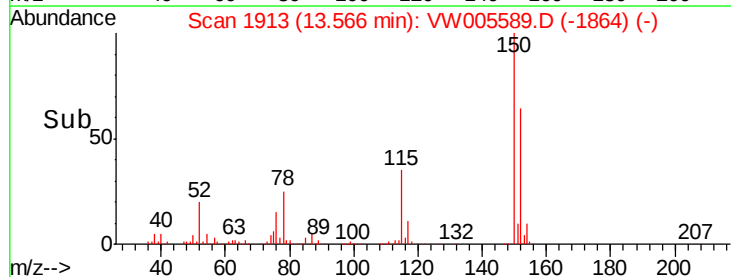
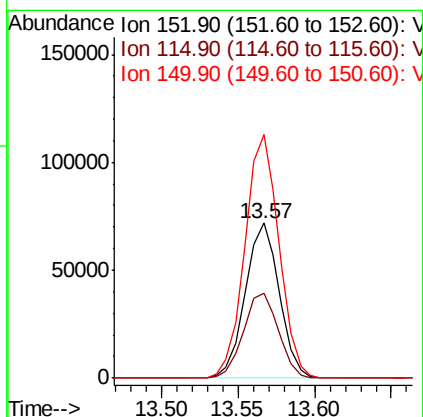
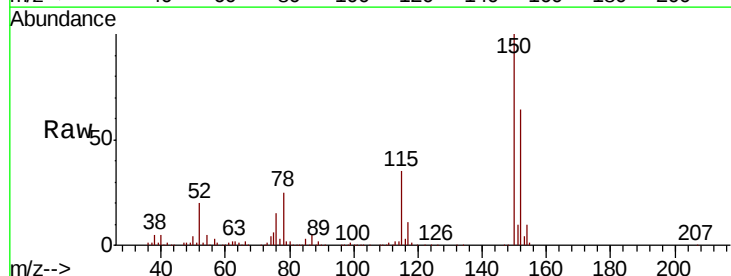
Instrument :
MSVOA_W
ClientSampleId :
JC-02-092118-C

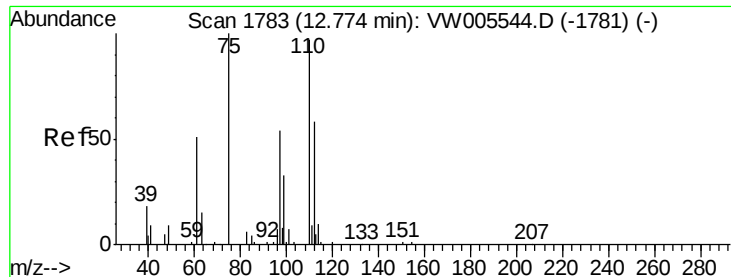
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.9	70.3
119	31.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005589.D
Acq: 24 Sep 2018 17:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	30.0	90.0
150	157.3	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 39.185 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Instrument :

MSVOA_W

ClientSampleId :

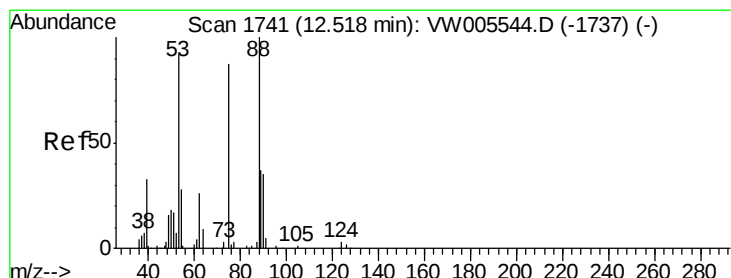
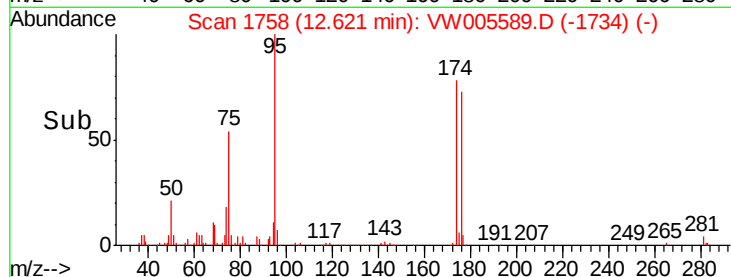
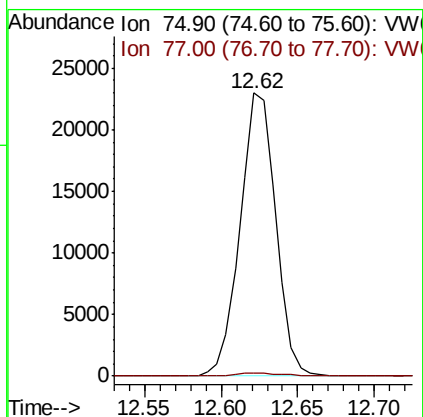
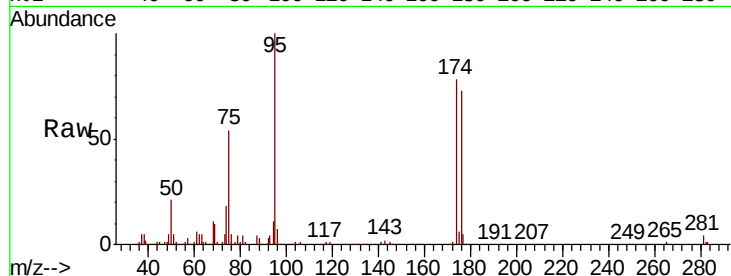
JC-02-092118-C

Tot Ion: 75 Resp: 37105

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.256 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005589.D

Acq: 24 Sep 2018 17:05

Tgt Ion: 75 Resp: 37105

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.1 37.3 55.9#

