

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005595.D
 Acq On : 24 Sep 2018 19:39
 Operator : VA/AP
 Sample : J4770-17
 Misc : 5.63G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 25 04:59:04 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	7.96	168	227173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	361330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	292811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	117016	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	89037	33.27	ug/l	0.00
Spiked Amount			Recovery	=	66.54%	
35) Dibromofluoromethane	7.89	113	73606	32.39	ug/l	0.00
Spiked Amount			Recovery	=	64.78%	
50) Toluene-d8	10.33	98	233903	25.28	ug/l	0.00
Spiked Amount			Recovery	=	50.56%	
62) 4-Bromofluorobenzene	12.63	95	75072	21.93	ug/l	0.00
Spiked Amount			Recovery	=	43.86%	

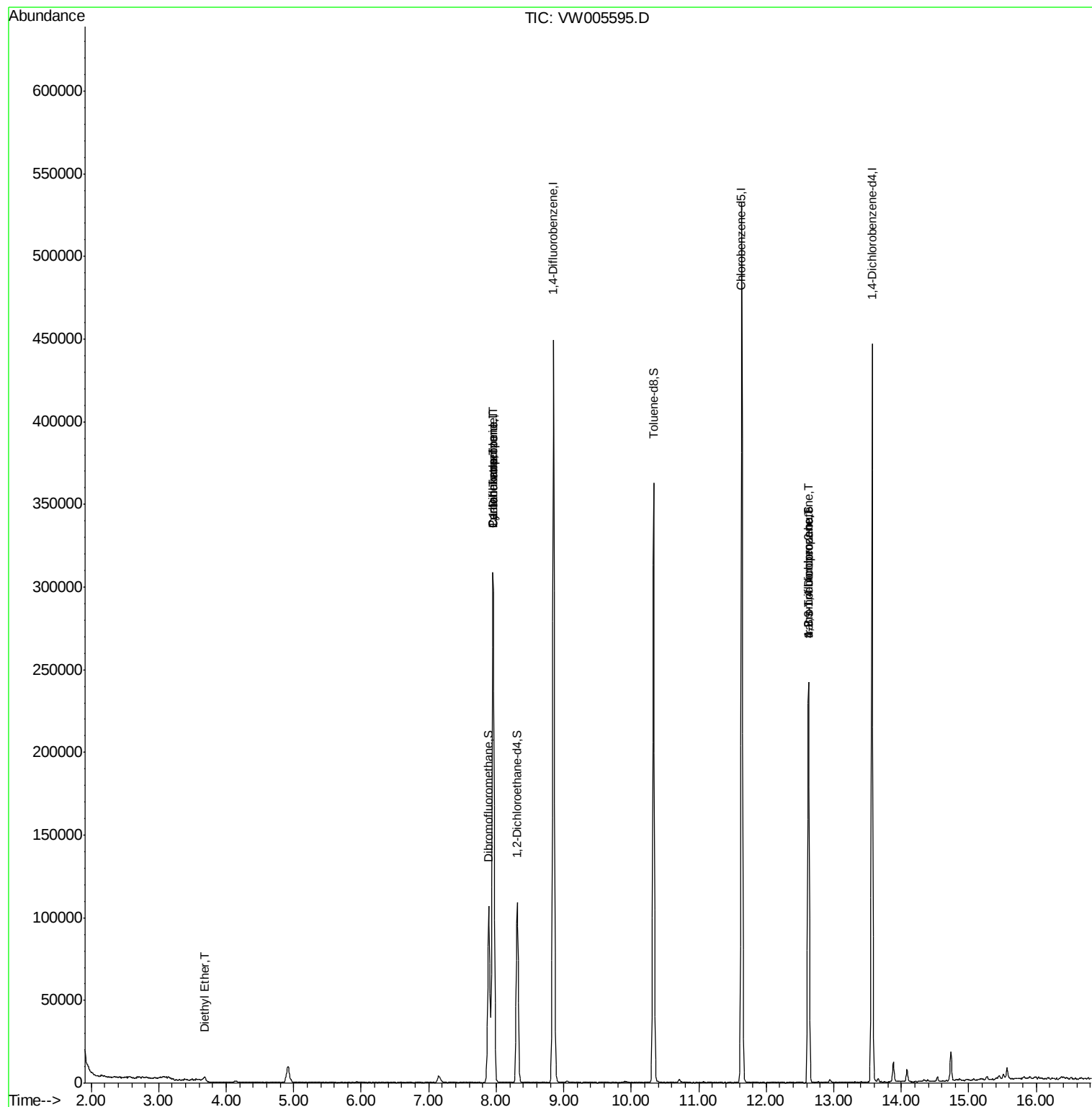
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1611	1.445	ug/l	85
11) Tert butyl alcohol	5.22	59	19	Below Cal	#	72
16) Acetone	4.14	43	1474	Below Cal		90
20) Methylene Chloride	4.92	84	7312	Below Cal		89
31) Cyclohexane	7.95	56	5025	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	17538	4.822	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22811	5.852	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	39667	39.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39667	89.568	ug/l #	7

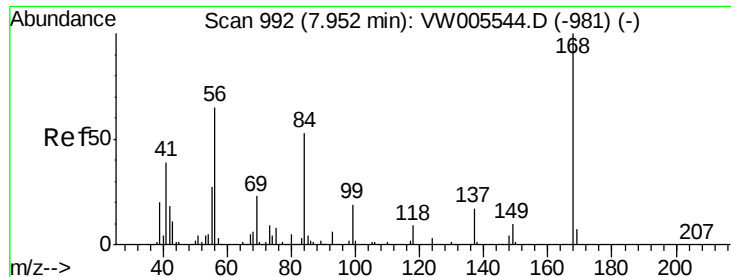
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005595.D

Acq: 24 Sep 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

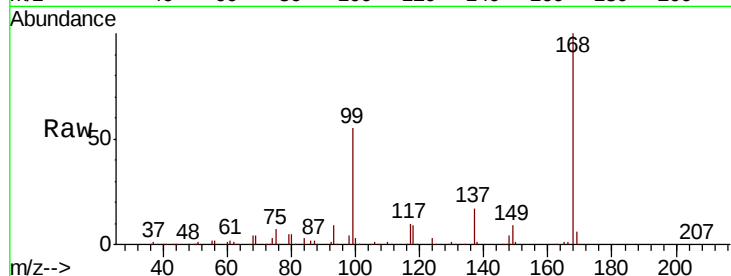
JC-02-092118-I

Tot Ion:168 Resp: 227173

Ion Ratio Lower Upper

168 100

99 54.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

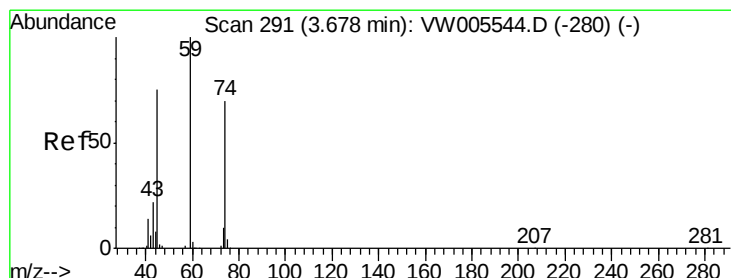
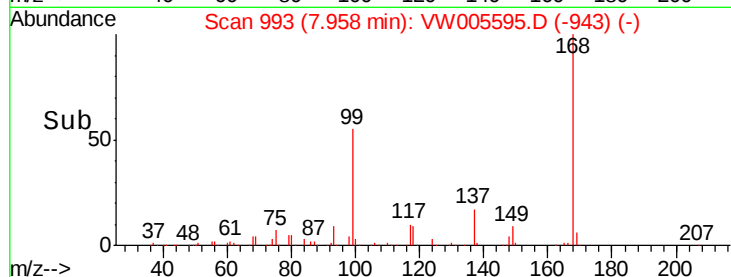
0

7.96

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.445 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005595.D

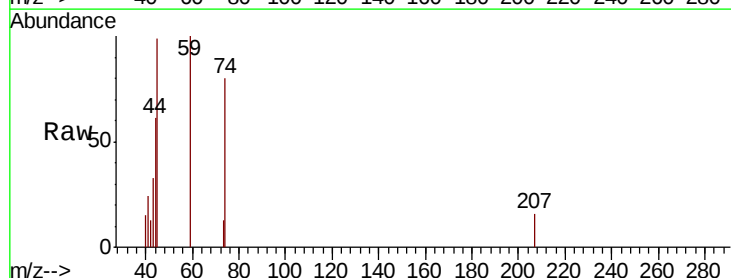
Acq: 24 Sep 2018 19:39

Tgt Ion: 74 Resp: 1611

Ion Ratio Lower Upper

74 100

45 118.7 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

600

400

200

0

3.68

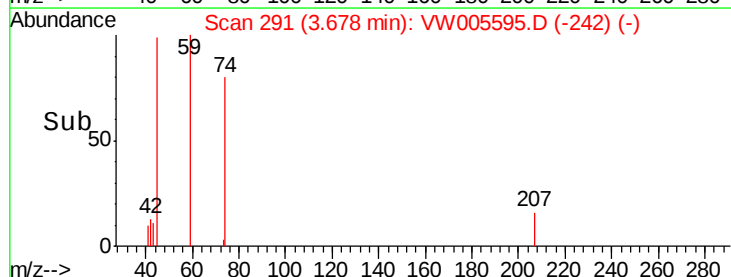
3.60

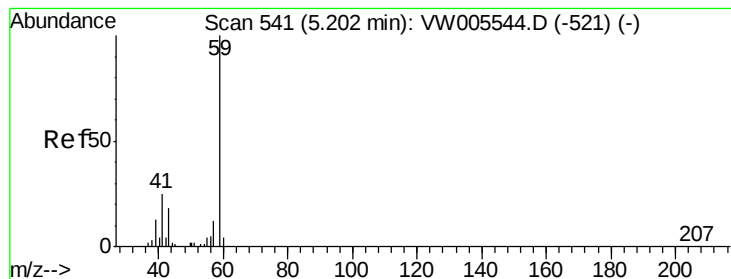
3.65

3.70

3.75

Time-->



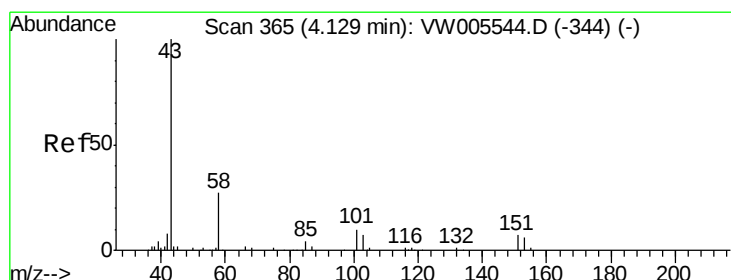
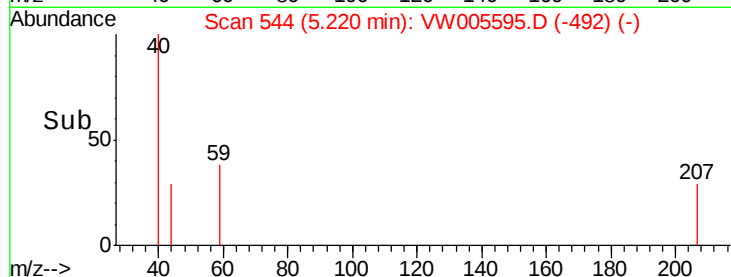
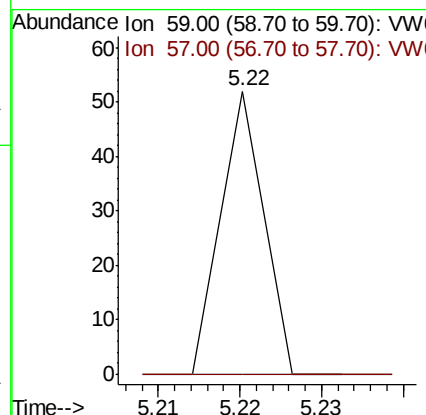
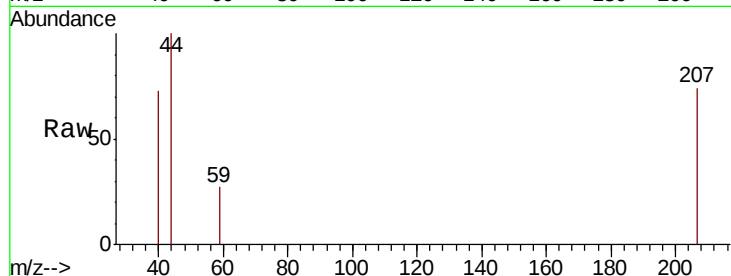


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

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

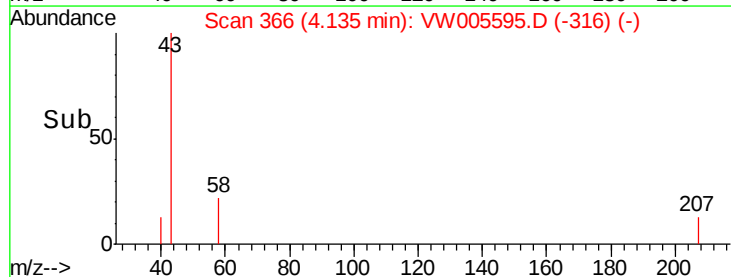
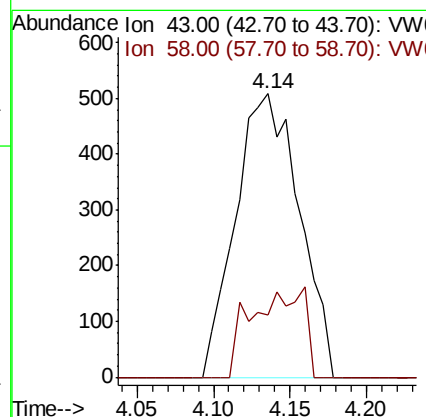
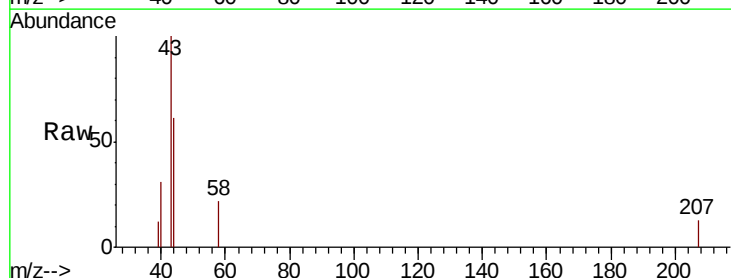
Tot Ion: 59 Resp: 19
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

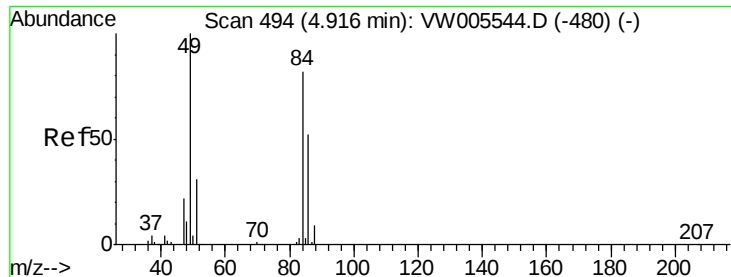


#16

Acetone
 Concen: Below Cal
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

Tgt Ion: 43 Resp: 1474
 Ion Ratio Lower Upper
 43 100
 58 21.9 21.8 32.8

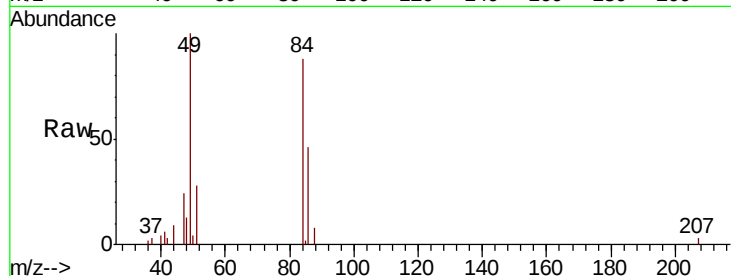




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005595.D
Acq: 24 Sep 2018 19:39

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

Tot Ion:	84	Resp:	7312
Ion	Ratio	Lower	Upper
84	100		
49	110.3	97.0	145.6
51	32.1	30.2	45.2
86	51.8	50.2	75.4



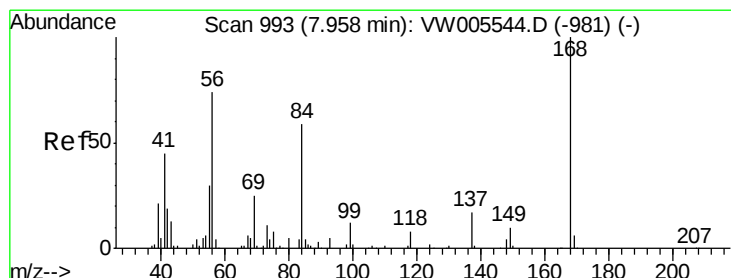
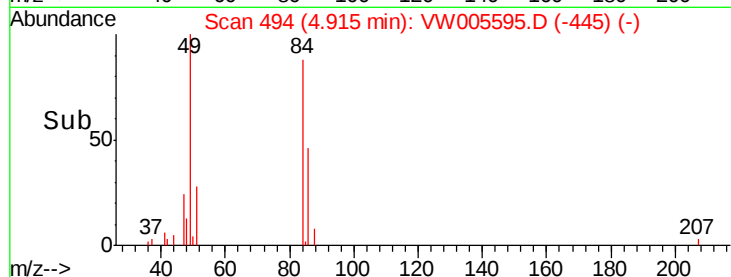
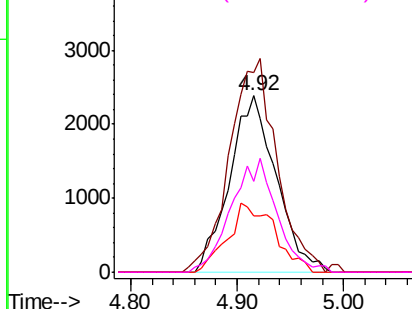
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

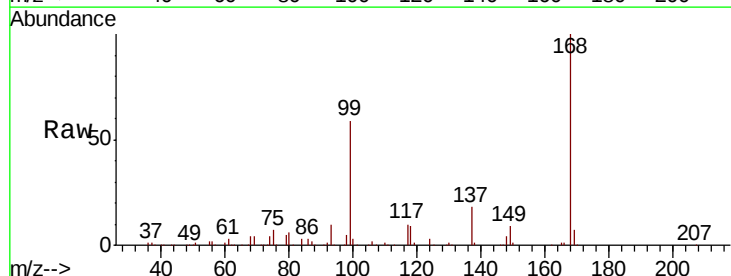
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005595.D
Acq: 24 Sep 2018 19:39

Tgt Ion:	56	Resp:	5025
Ion	Ratio	Lower	Upper
56	100		
69	179.1	27.0	40.4#
84	130.8	64.2	96.4#

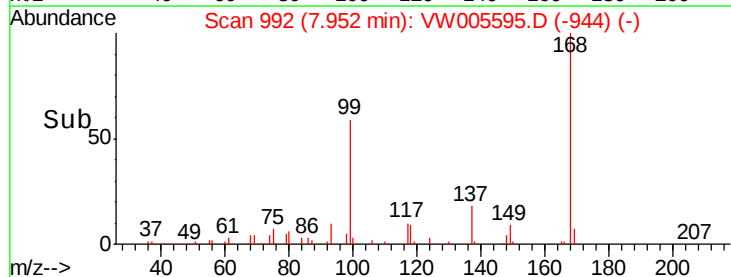
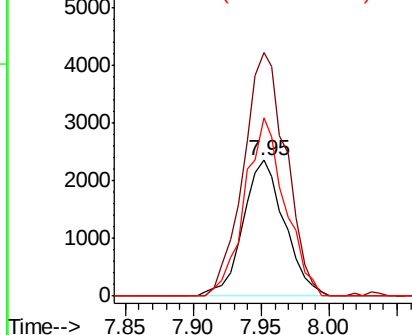


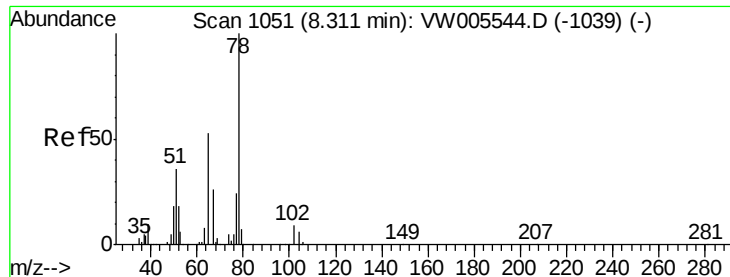
Abundance

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

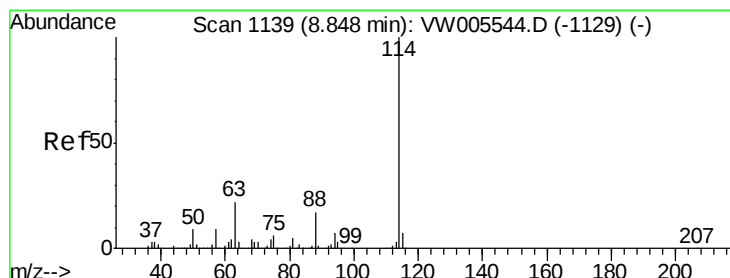
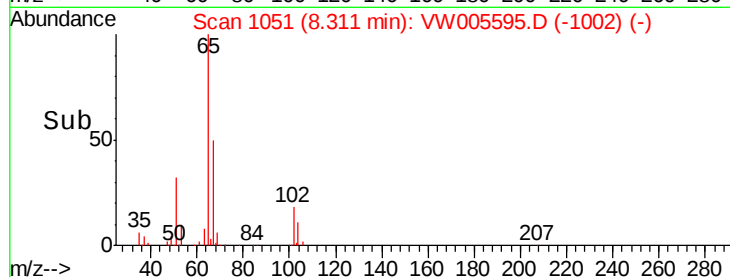
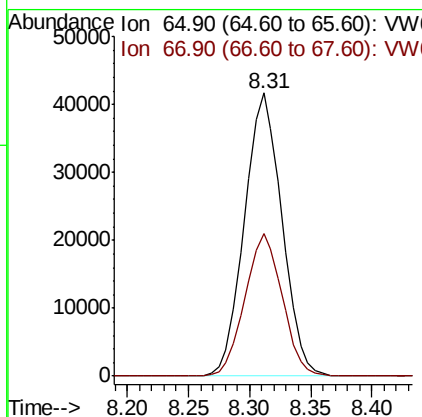
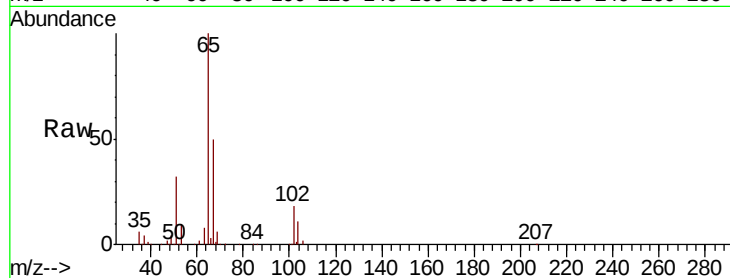




#33
 1,2-Dichloroethane-d4
 Concen: 33.269 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

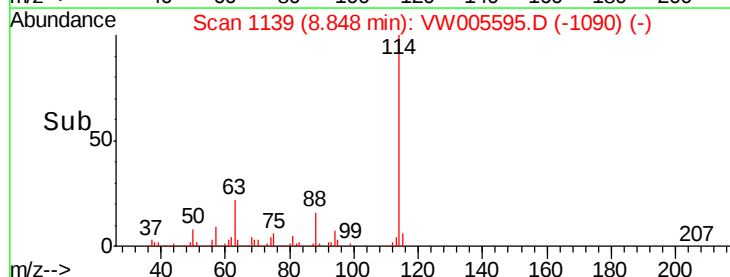
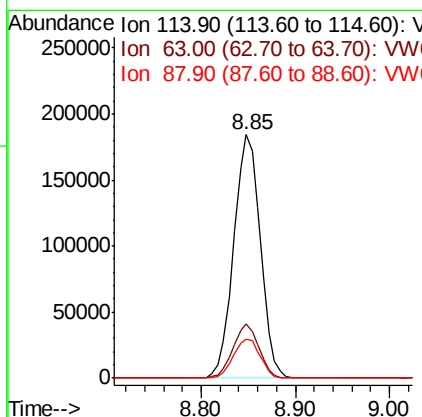
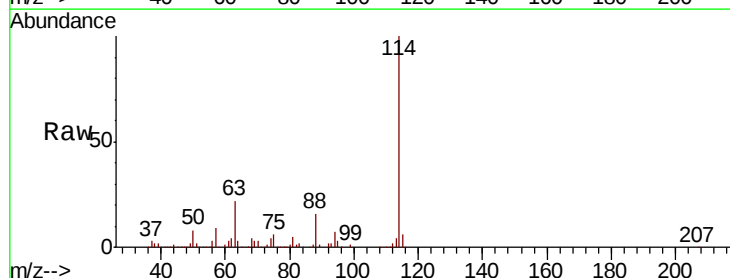
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-I

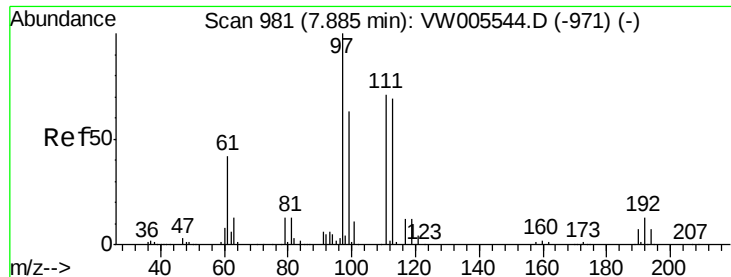
Tot Ion: 65 Resp: 89037
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

Tgt Ion: 114 Resp: 361330
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.0
 88 16.2 0.0 33.0

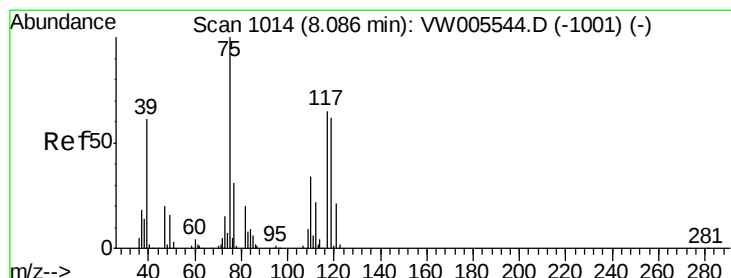
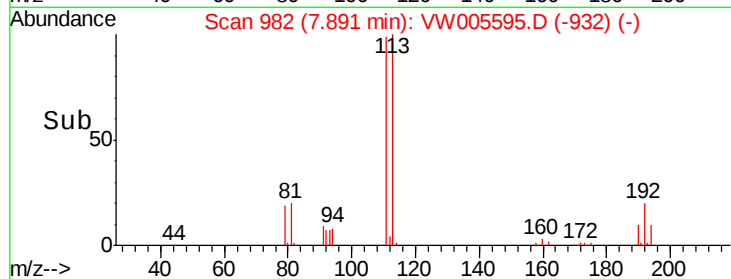
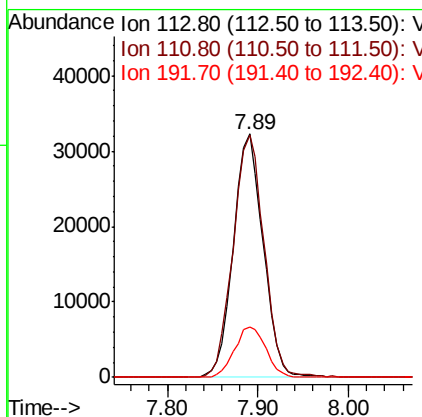
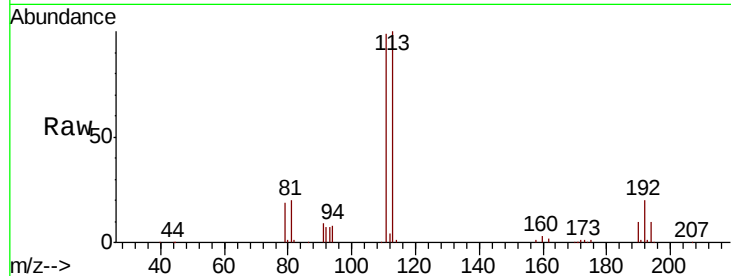




#35
 Dibromofluoromethane
 Concen: 32.393 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

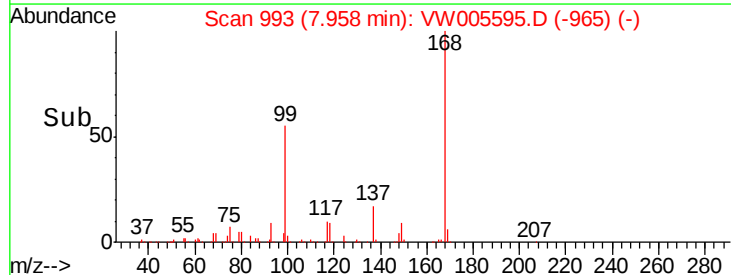
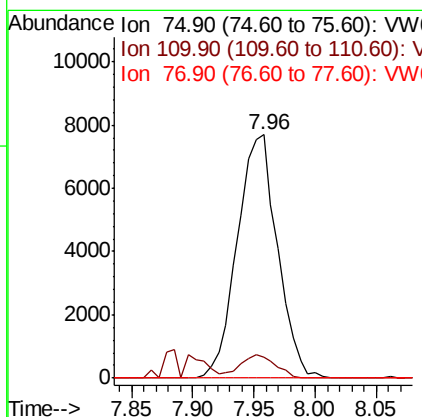
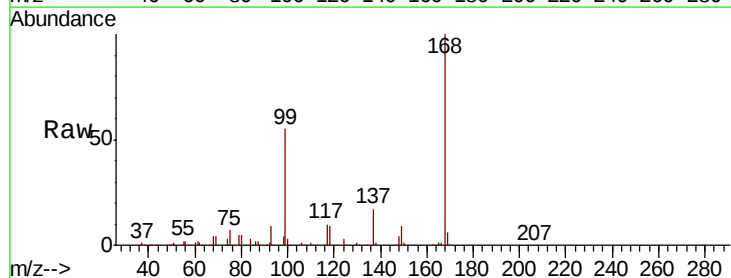
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-092118-I

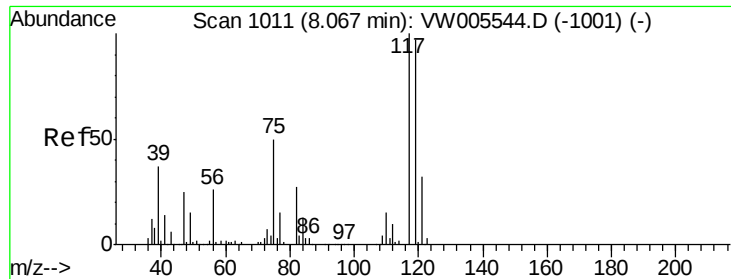
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	21.6	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005595.D
 Acq: 24 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.8	37.2#

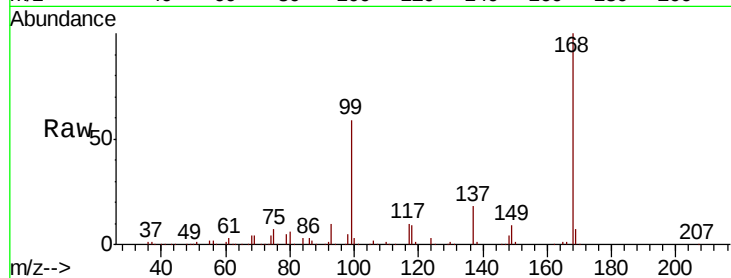




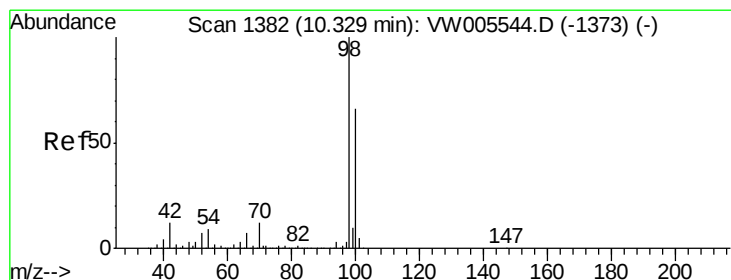
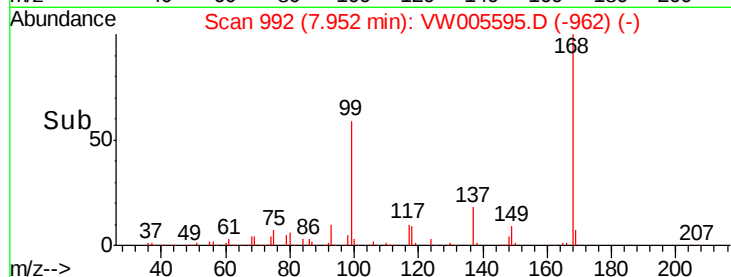
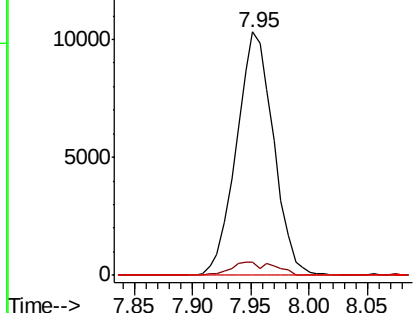
#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005595.D
Acq: 24 Sep 2018 19:39

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

Tot Ion:117 Resp: 22811
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 25.7 38.5#

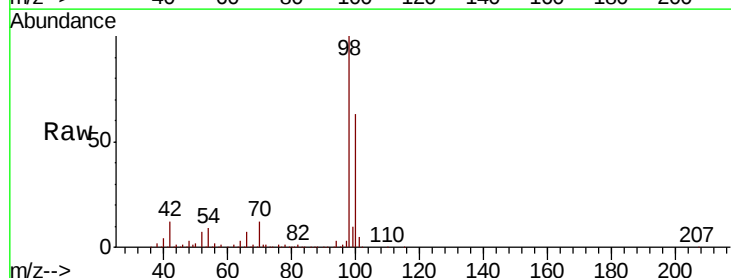


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

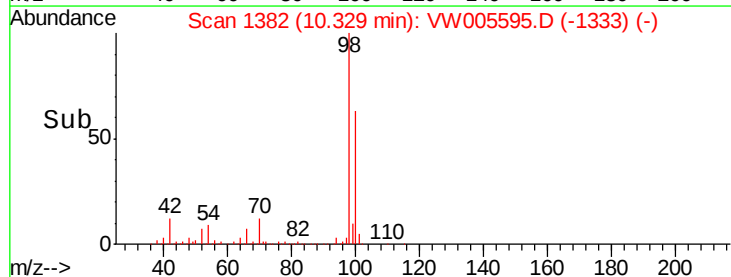
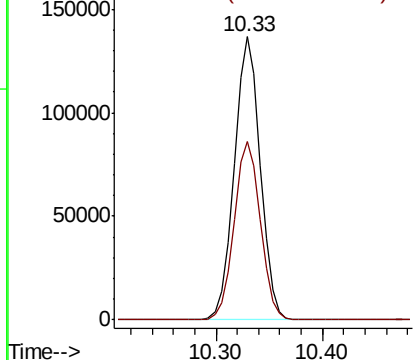


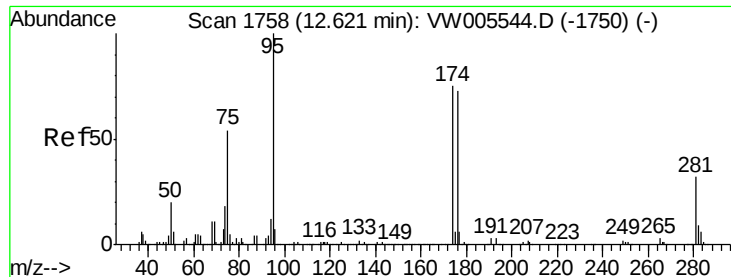
#50
Toluene-d8
Concen: 25.281 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005595.D
Acq: 24 Sep 2018 19:39

Tgt Ion: 98 Resp: 233903
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 21.928 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005595.D

Acq: 24 Sep 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-I

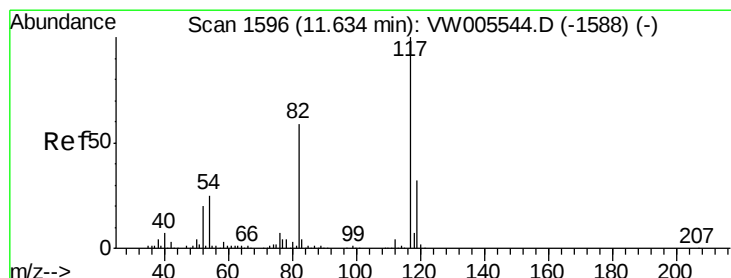
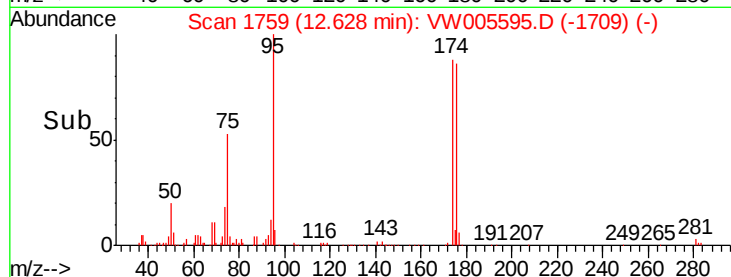
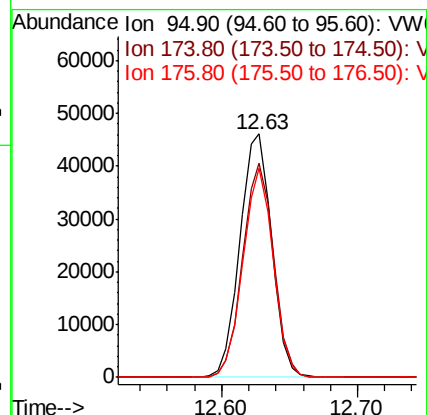
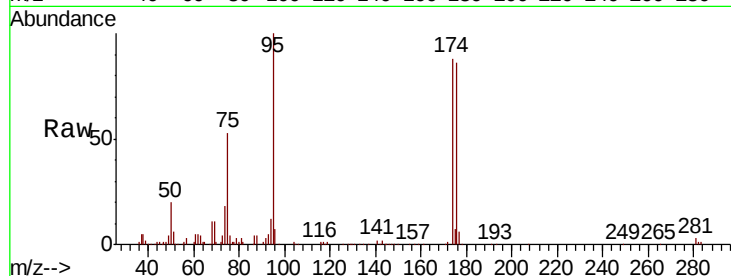
Tot Ion: 95 Resp: 75072

Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.8

176 82.4 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: VW005595.D

Acq: 24 Sep 2018 19:39

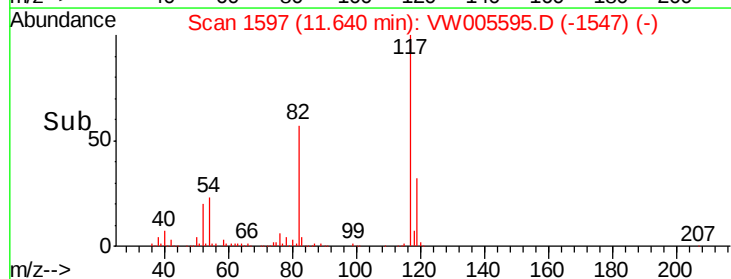
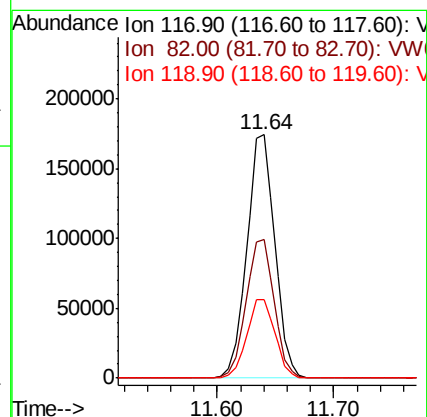
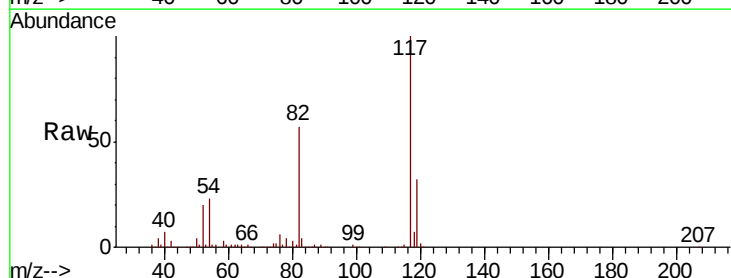
Tgt Ion: 117 Resp: 292811

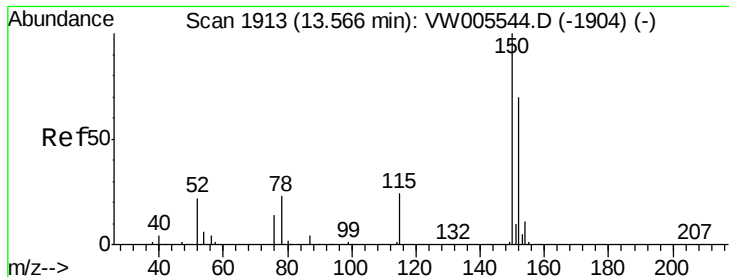
Ion Ratio Lower Upper

117 100

82 56.8 46.9 70.3

119 32.4 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: VW005595.D

Acq: 24 Sep 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-I

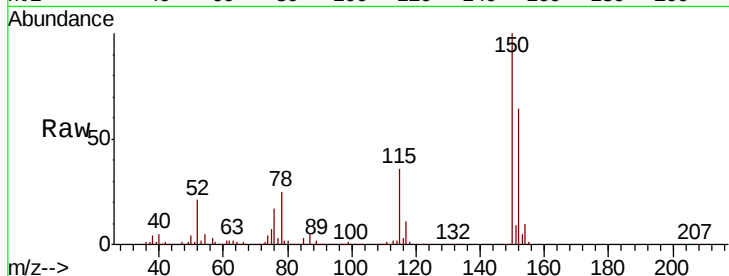
Tot Ion:152 Resp: 117016

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.0

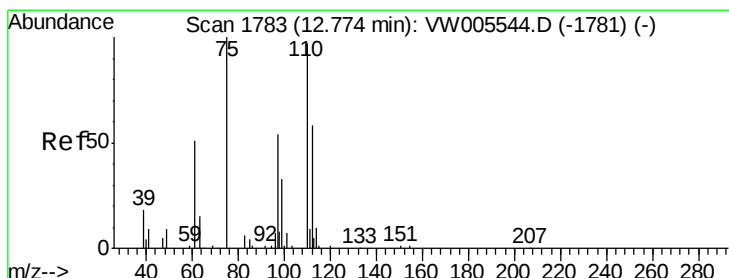
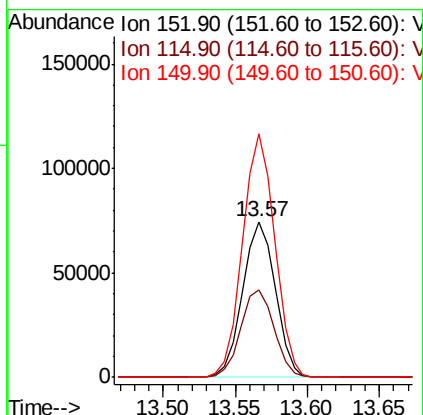
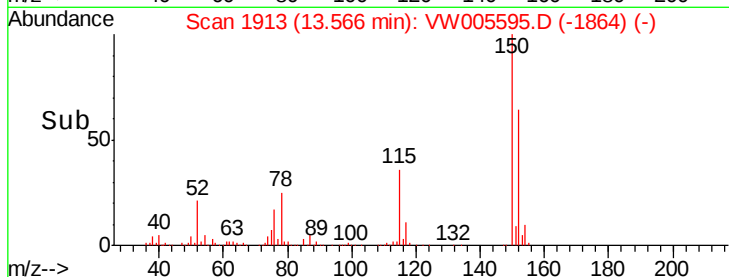
150 154.5 0.0 348.6



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: 39.767 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005595.D

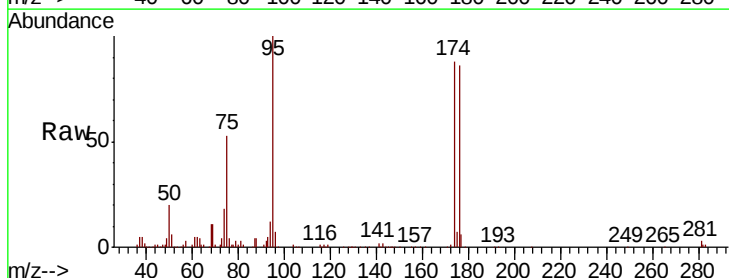
Acq: 24 Sep 2018 19:39

Tgt Ion: 75 Resp: 39667

Ion Ratio Lower Upper

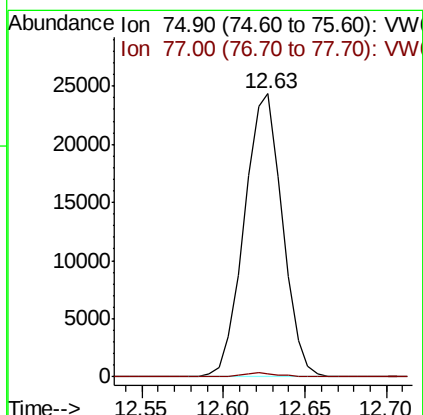
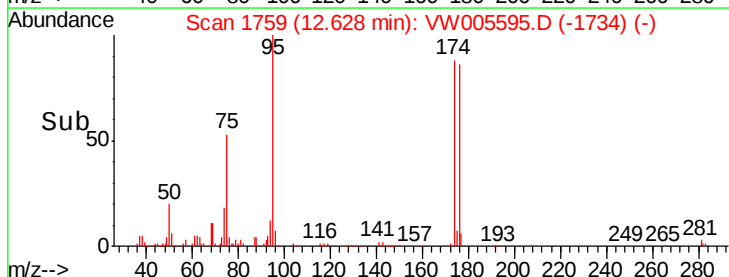
75 100

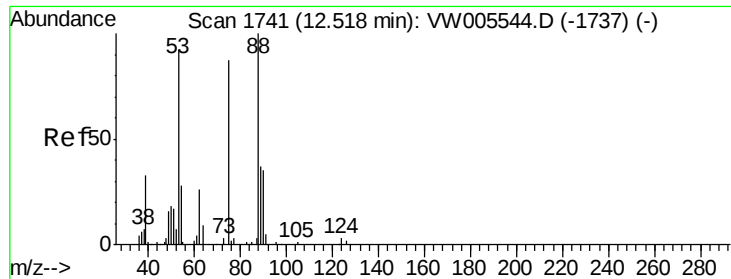
77 1.3 0.0 0.0#



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: 89.568 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005595.D

Acq: 24 Sep 2018 19:39

Instrument :

MSVOA_W

ClientSampleId :

JC-02-092118-I

Tot Ion: 75 Resp: 39667

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.0 37.3 55.9#

