

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009118.D
 Acq On : 12 Mar 2019 07:05
 Operator : SY/VA
 Sample : K1847-12
 Misc : 7.18G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-12-031119

Quant Time: Mar 12 08:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185638	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	172402	64.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	129.80%	
35) Dibromofluoromethane	7.88	113	137191	52.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.94%	
50) Toluene-d8	10.32	98	524450	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	180942	43.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.42%	

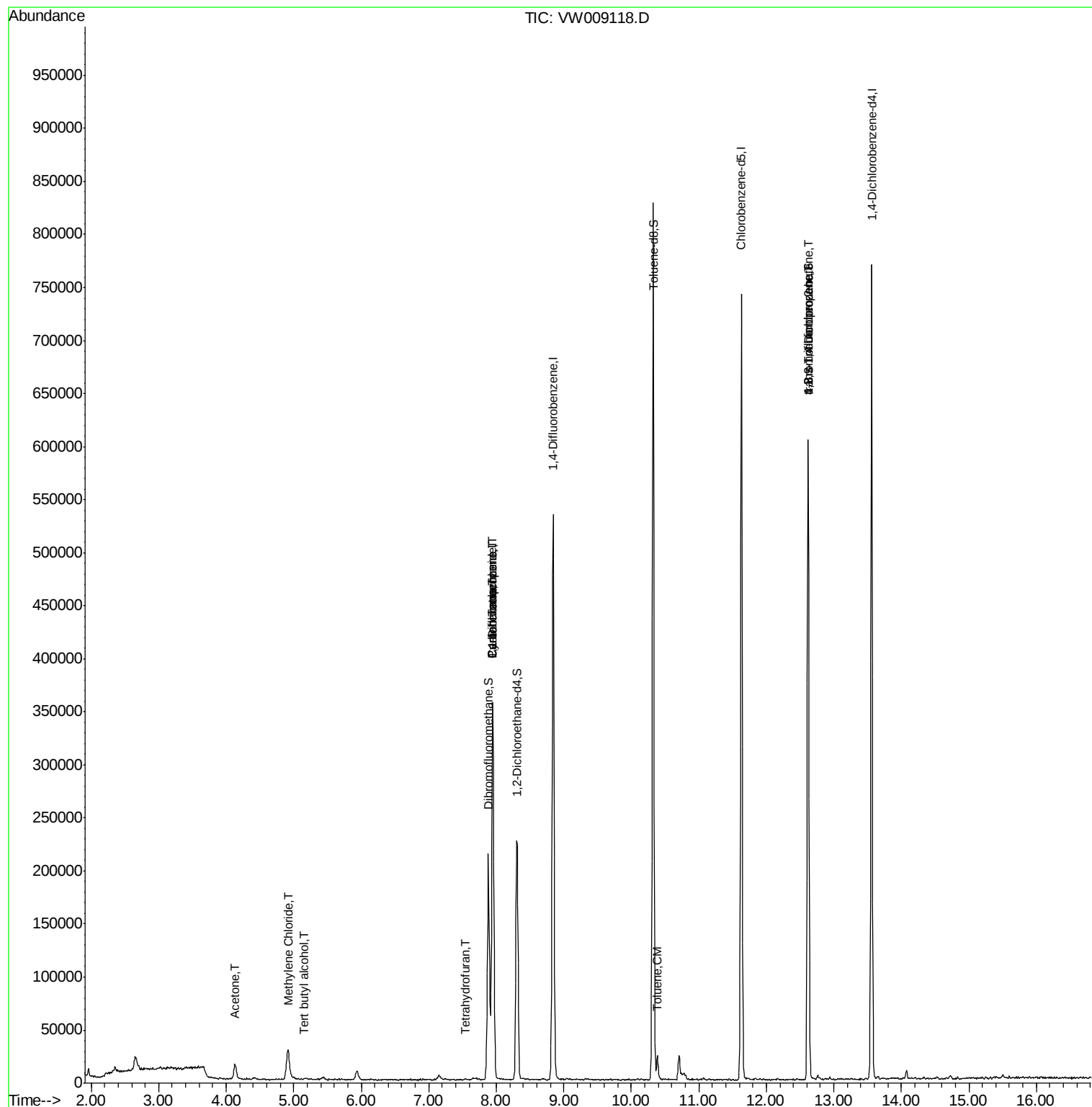
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	285	1.400	ug/l #	22
16) Acetone	4.14	43	24782	41.341	ug/l	91
20) Methylene Chloride	4.92	84	20107	1.912	ug/l	99
29) Tetrahydrofuran	7.55	42	594	1.138	ug/l #	48
31) Cyclohexane	7.95	56	7143	1.442	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	20888	4.644	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25886	5.573	ug/l #	17
52) Toluene	10.39	92	8219	1.009	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	98115	66.895	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	98115	149.627	ug/l #	5

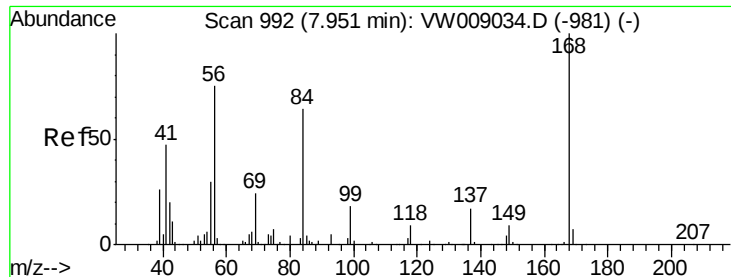
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

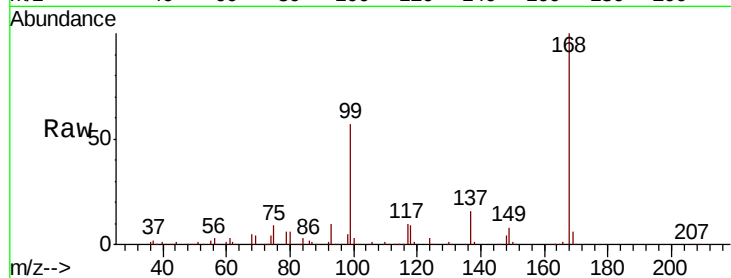
SUP-7B-G-12-031119

Tgt Ion:168 Resp: 264034

Ion Ratio Lower Upper

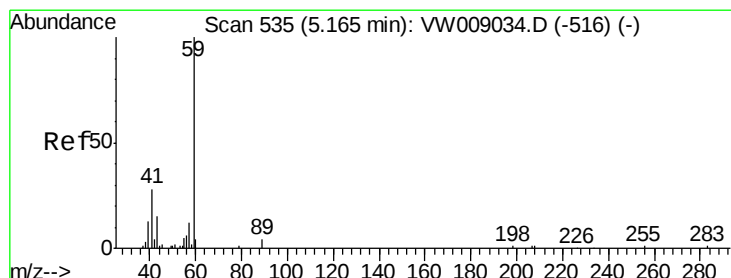
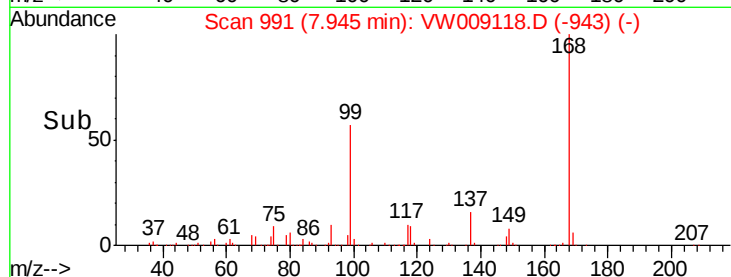
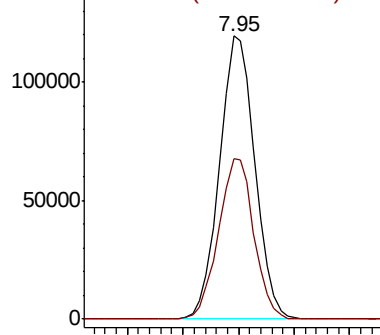
168 100

99 56.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.400 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW009118.D

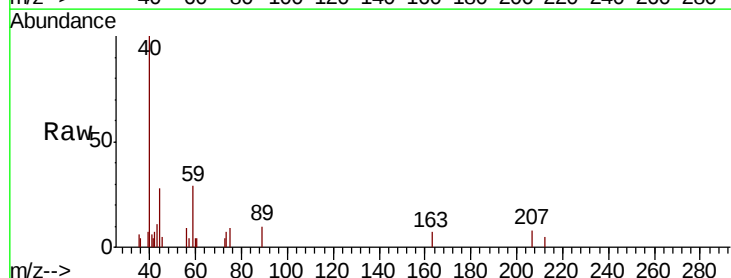
Acq: 12 Mar 2019 07:05

Tgt Ion: 59 Resp: 285

Ion Ratio Lower Upper

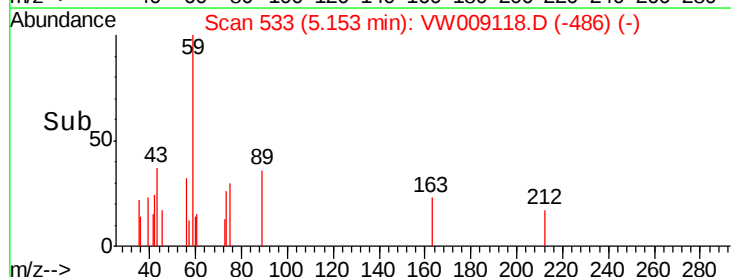
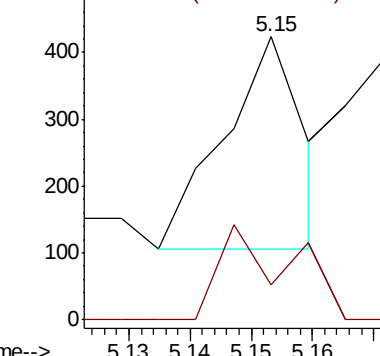
59 100

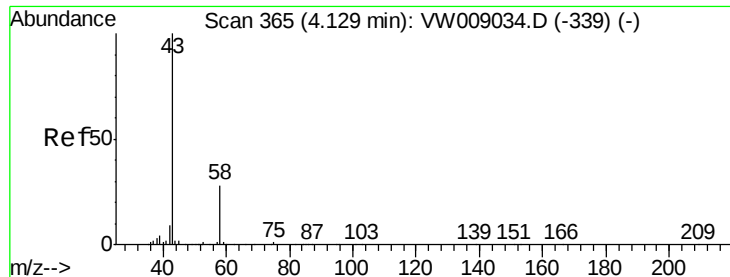
57 40.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 41.341 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

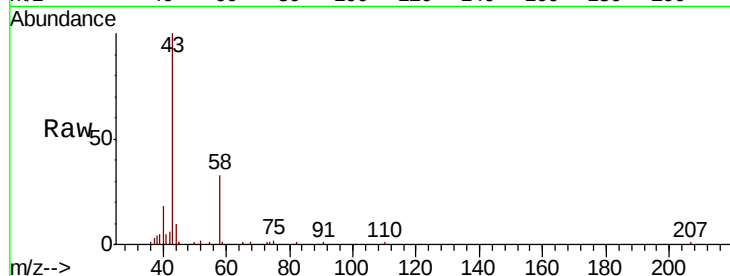
SUP-7B-G-12-031119

Tgt Ion: 43 Resp: 24782

Ion Ratio Lower Upper

43 100

58 32.6 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

6000

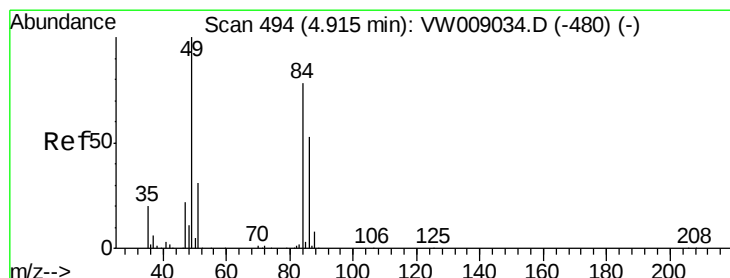
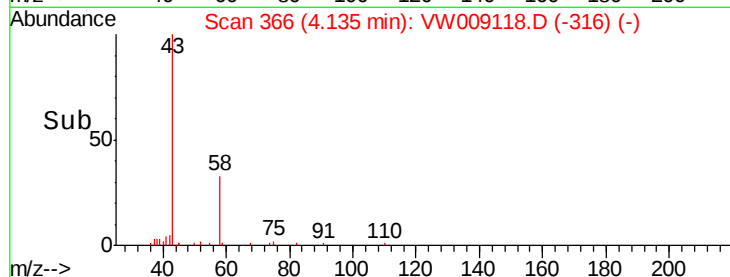
4000

2000

0

Time-->

4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 1.912 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Tgt Ion: 84 Resp: 20107

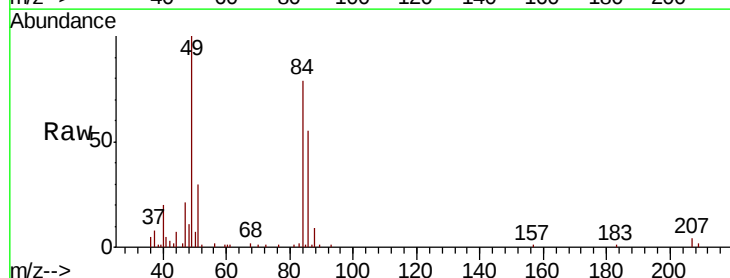
Ion Ratio Lower Upper

84 100

49 127.2 102.4 153.6

51 38.5 31.6 47.4

86 70.0 54.5 81.7



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

12000

10000

8000

6000

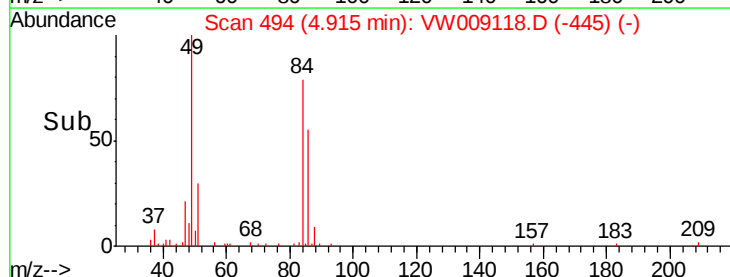
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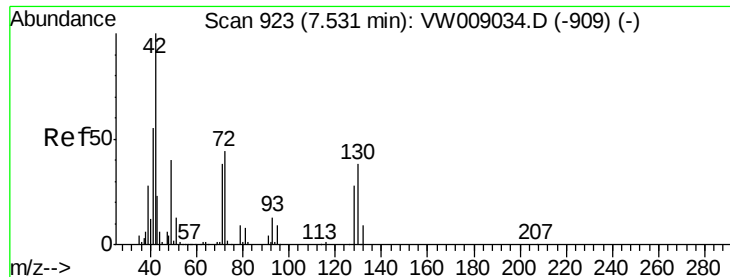
2000

0

Time-->

4.80 4.85 4.90 4.95 5.00

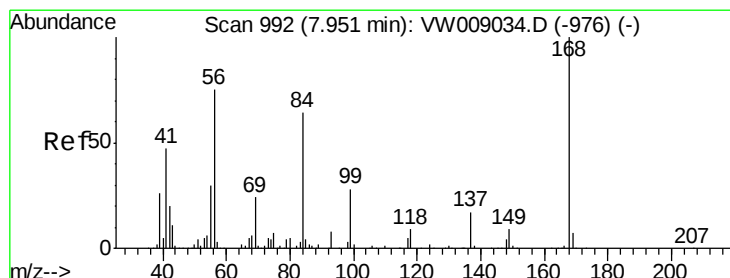
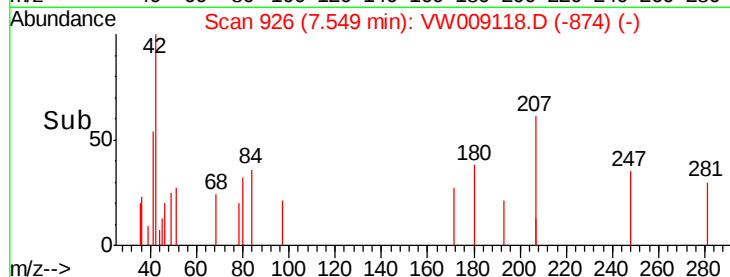
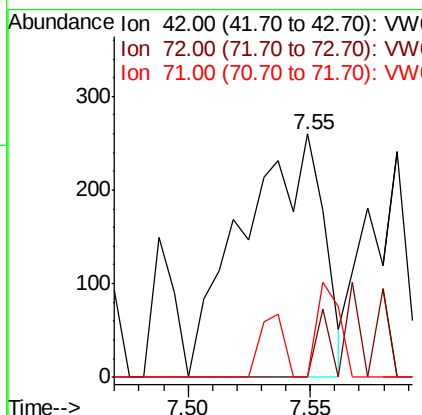
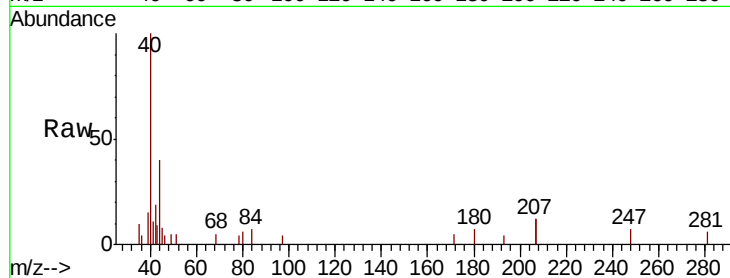




#29
Tetrahydrofuran
Concen: 1.138 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW009118.D
Acq: 12 Mar 2019 07:05

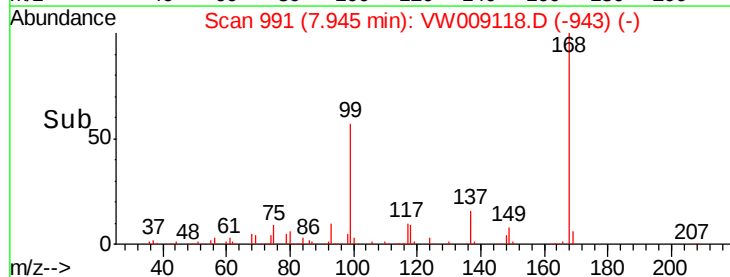
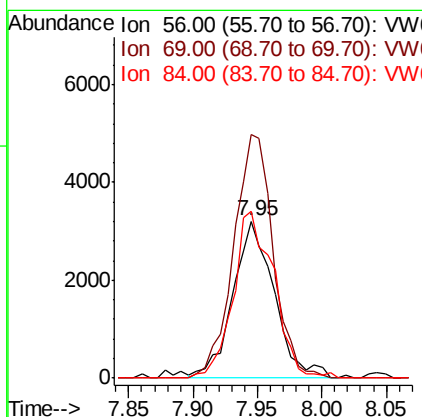
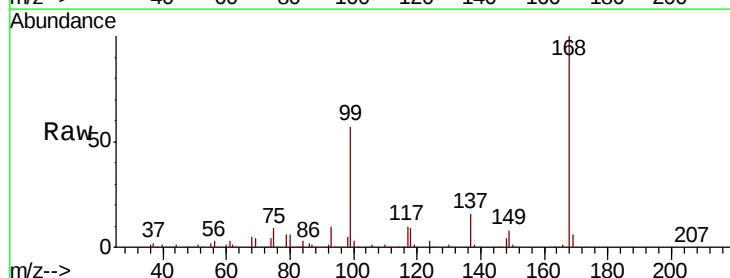
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-12-031119

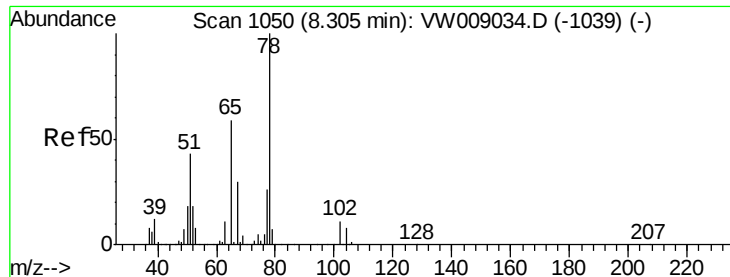
Tgt Ion: 42 Resp: 594
Ion Ratio Lower Upper
42 100
72 4.5 32.2 48.4#
71 10.9 30.7 46.1#



#31
Cyclohexane
Concen: 1.442 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009118.D
Acq: 12 Mar 2019 07:05

Tgt Ion: 56 Resp: 7143
Ion Ratio Lower Upper
56 100
69 155.0 25.5 38.3#
84 105.9 68.6 103.0#

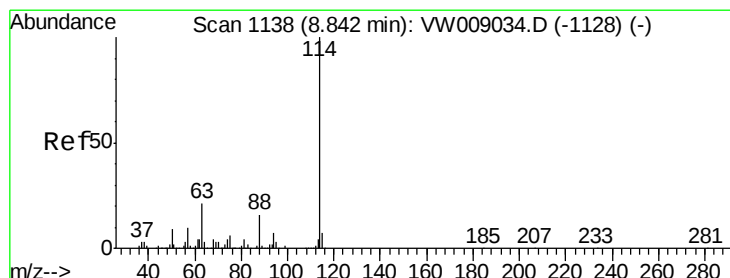
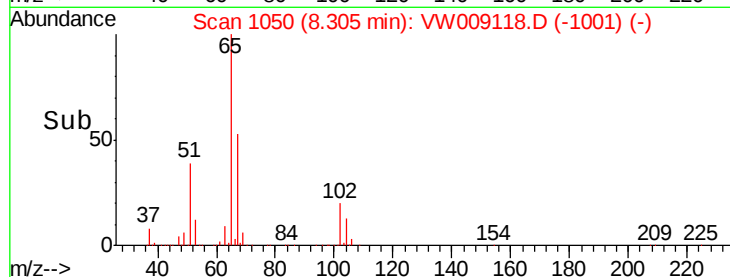
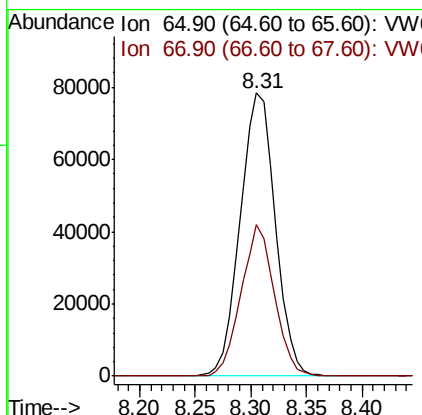
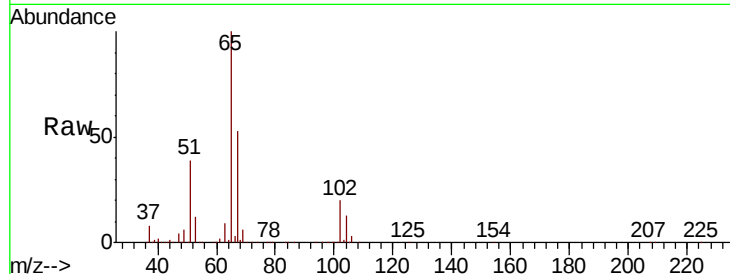




#33
 1,2-Dichloroethane-d4
 Concen: 64.900 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009118.D
 Acq: 12 Mar 2019 07:05

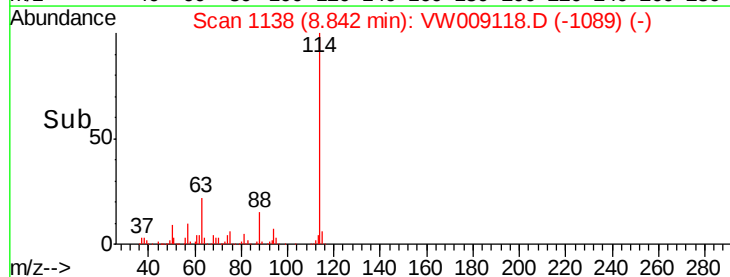
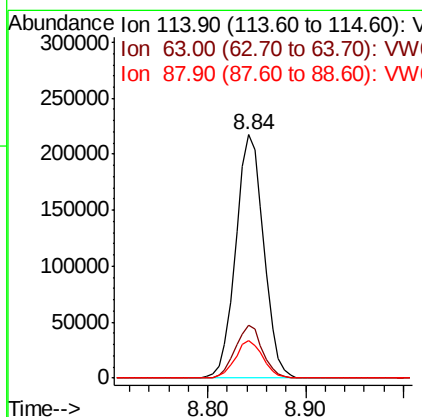
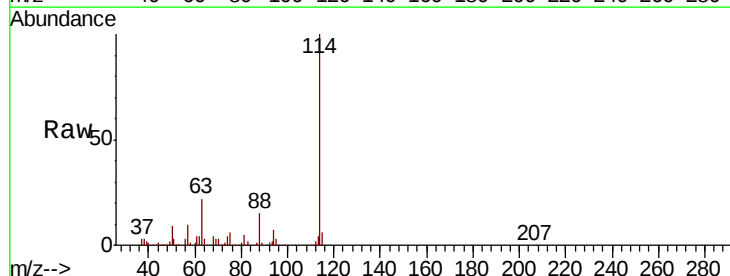
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-12-031119

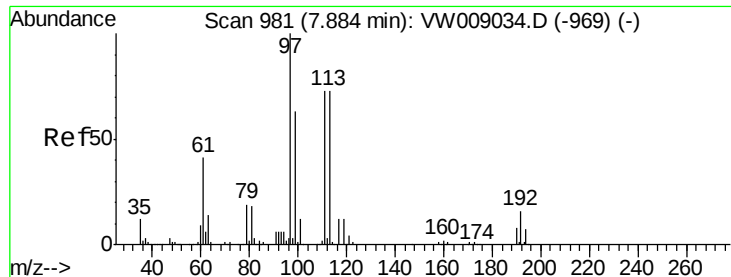
Tgt Ion: 65 Resp: 172402
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009118.D
 Acq: 12 Mar 2019 07:05

Tgt Ion: 114 Resp: 430130
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.2
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.974 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-12-031119

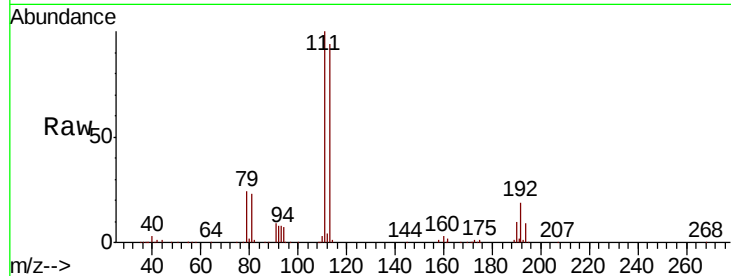
Tgt Ion:113 Resp: 137191

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

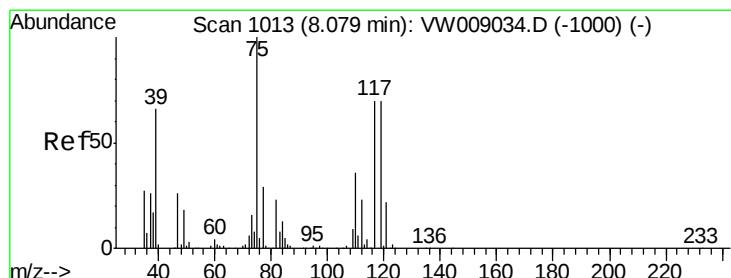
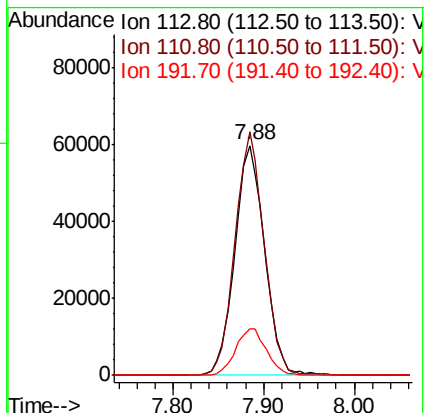
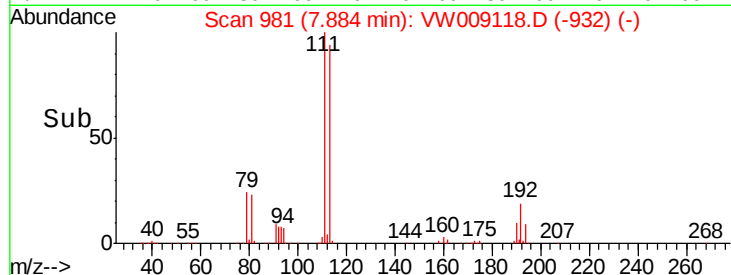
192 20.8 17.1 25.7



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: 4.644 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

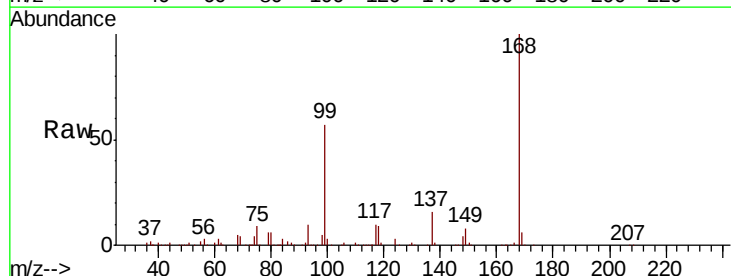
Tgt Ion: 75 Resp: 20888

Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.9#

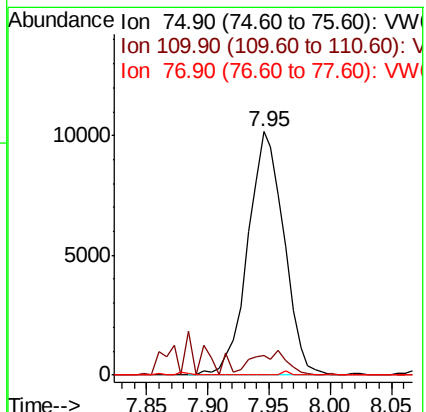
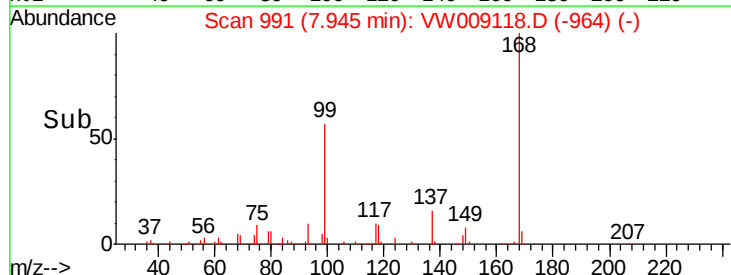
77 0.3 25.1 37.7#

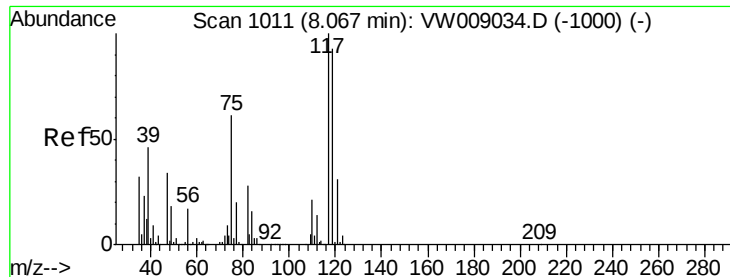


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

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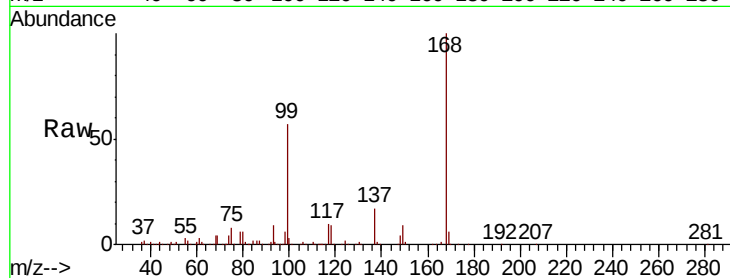
Tgt Ion:117 Resp: 25886

Ion Ratio Lower Upper

117 100

119 4.8 74.6 112.0#

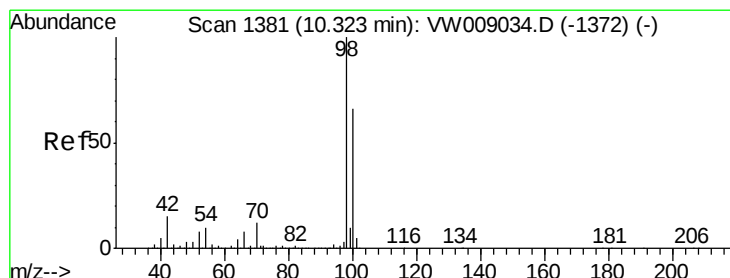
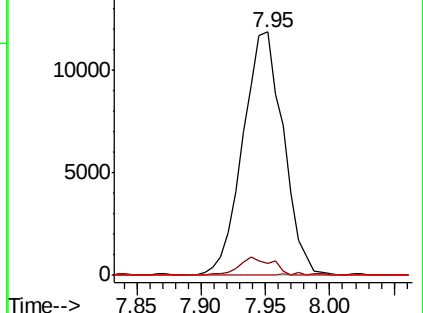
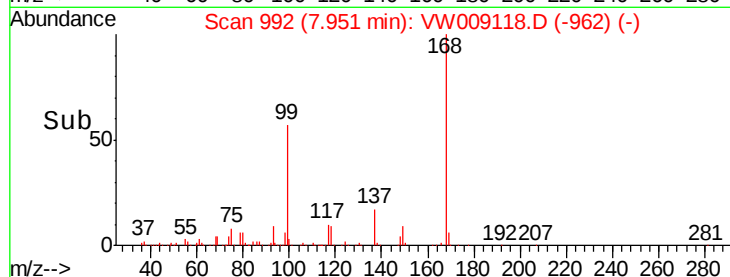
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.306 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009118.D

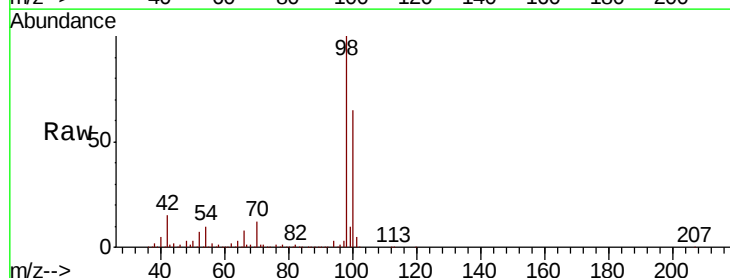
Acq: 12 Mar 2019 07:05

Tgt Ion: 98 Resp: 524450

Ion Ratio Lower Upper

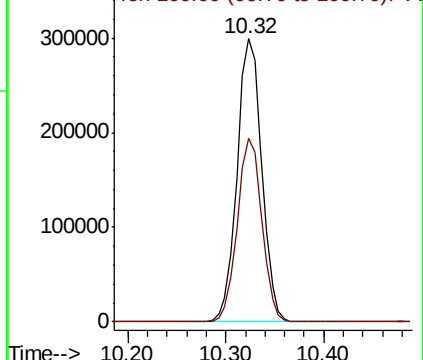
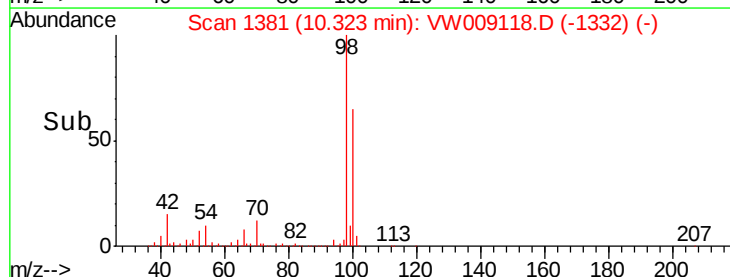
98 100

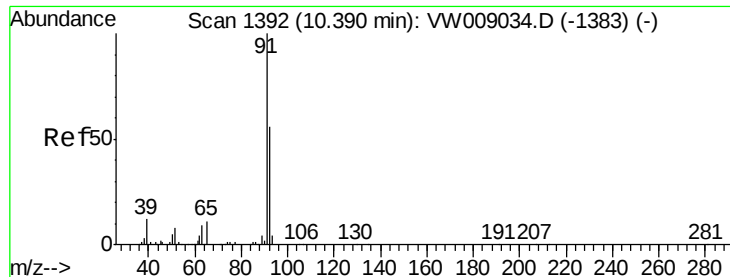
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.009 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

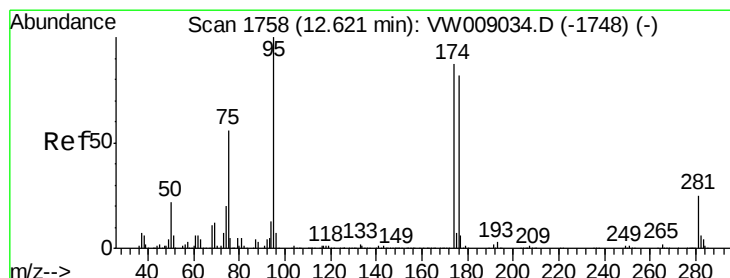
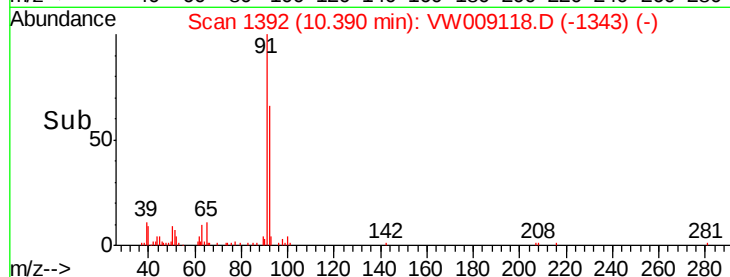
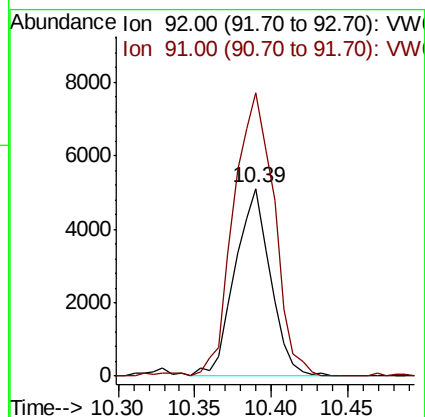
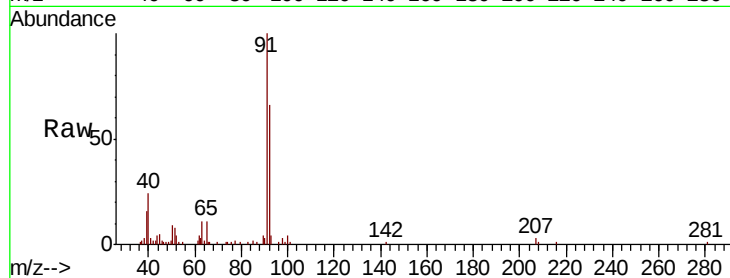
SUP-7B-G-12-031119

Tgt Ion: 92 Resp: 8219

Ion Ratio Lower Upper

92 100

91 172.0 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 43.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

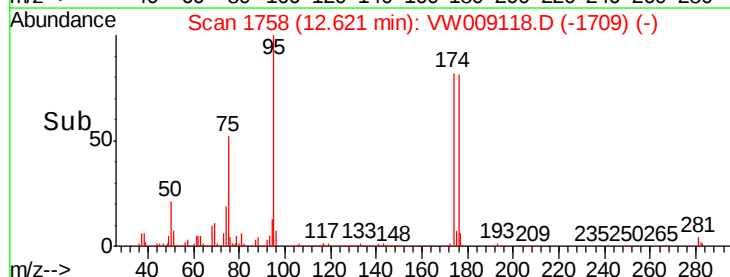
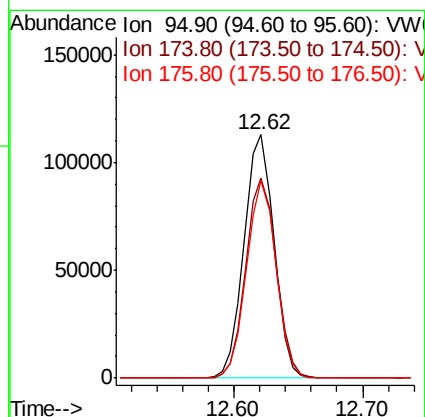
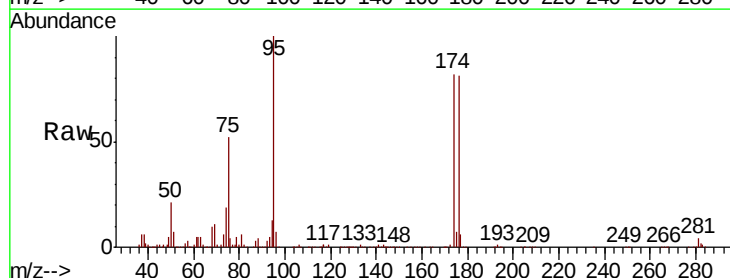
Tgt Ion: 95 Resp: 180942

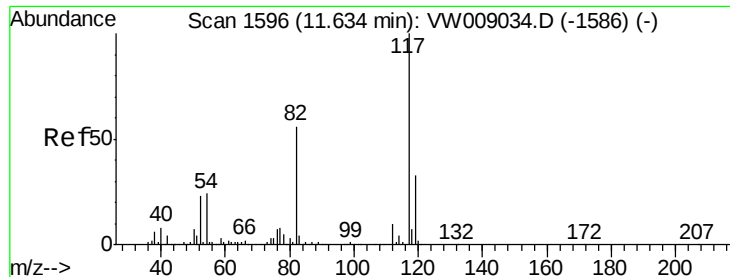
Ion Ratio Lower Upper

95 100

174 83.9 0.0 167.0

176 80.1 0.0 159.4

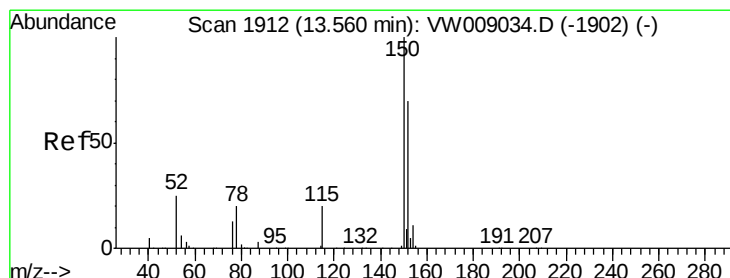
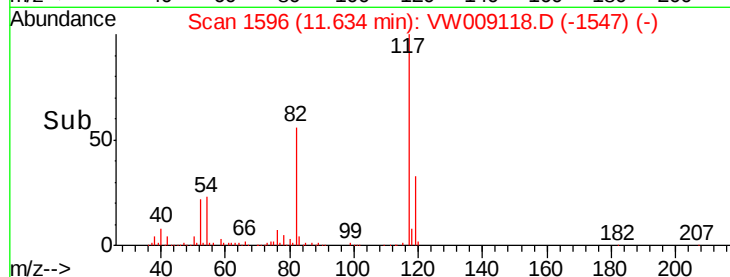
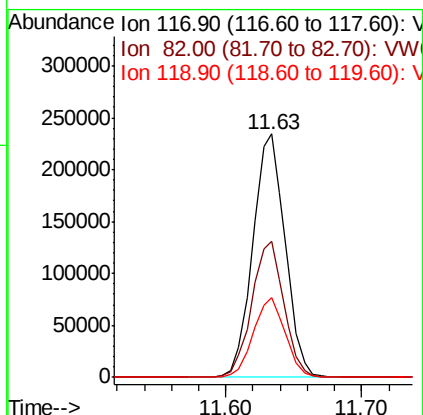
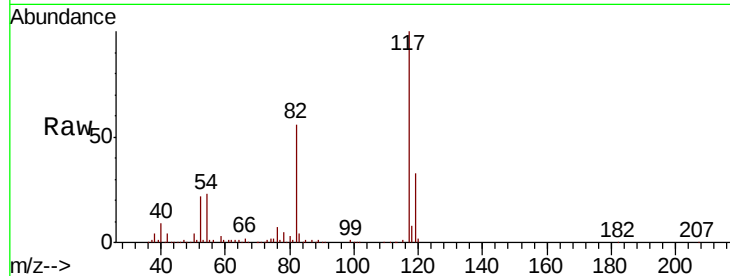




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009118.D
Acq: 12 Mar 2019 07:05

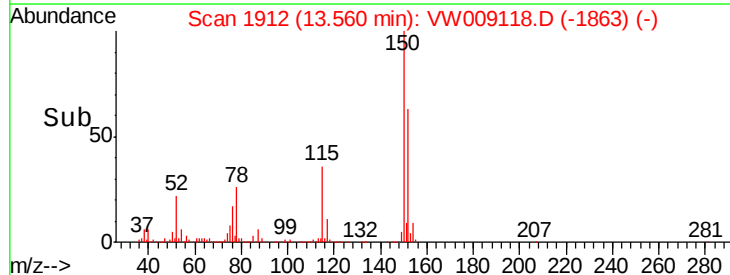
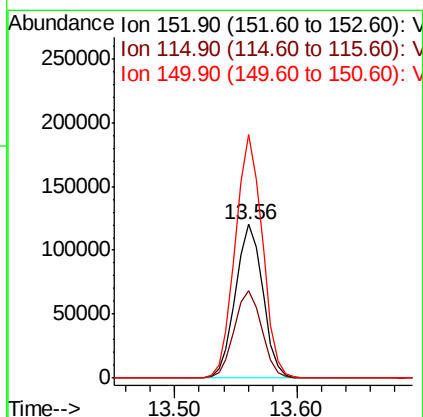
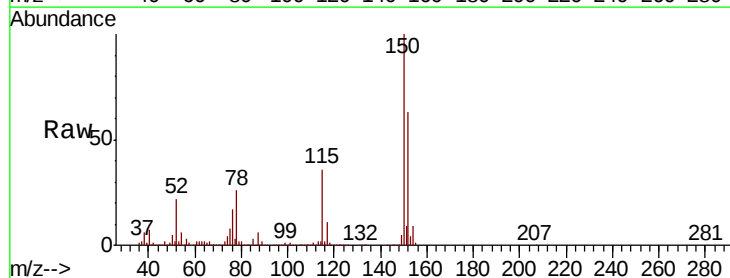
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-12-031119

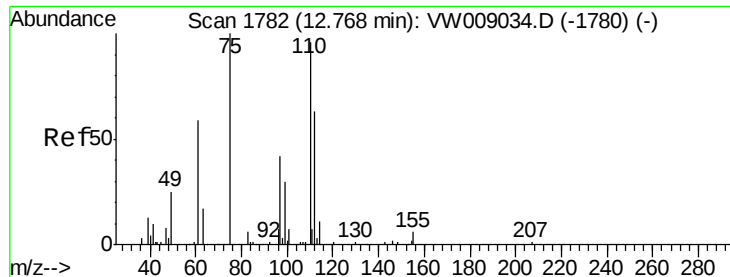
Tgt Ion:117 Resp: 391291
Ion Ratio Lower Upper
117 100
82 55.7 45.0 67.6
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009118.D
Acq: 12 Mar 2019 07:05

Tgt Ion:152 Resp: 185638
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 157.2 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 66.895 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

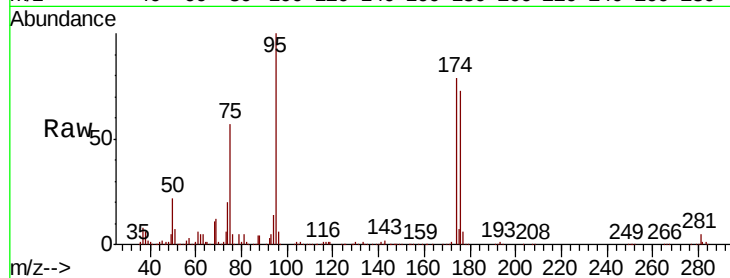
SUP-7B-G-12-031119

Tgt Ion: 75 Resp: 98115

Ion Ratio Lower Upper

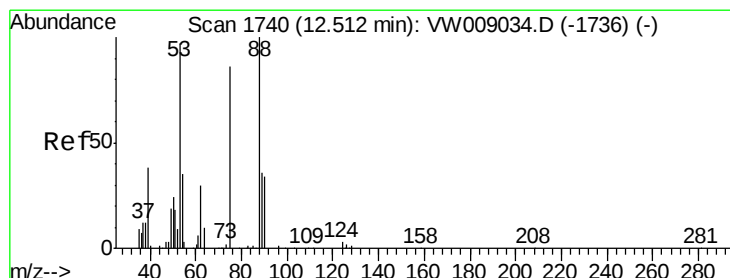
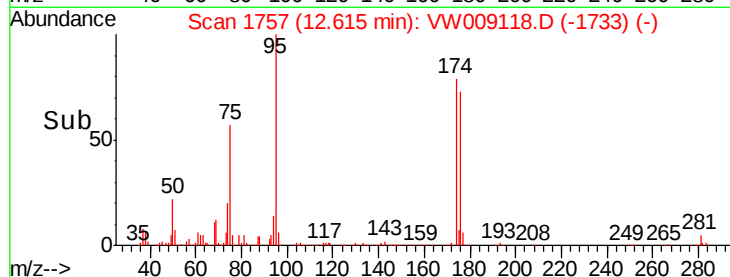
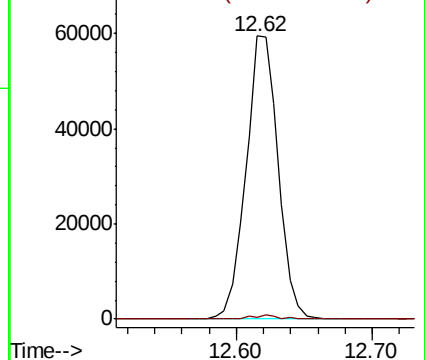
75 100

77 1.2 186.7 560.0#



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: 149.627 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009118.D

Acq: 12 Mar 2019 07:05

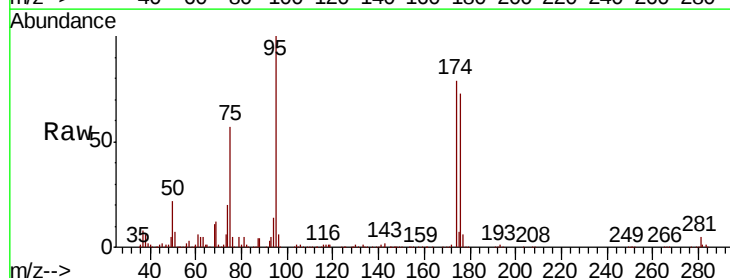
Tgt Ion: 75 Resp: 98115

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.0 37.5 56.3#



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

