

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009119.D
 Acq On : 12 Mar 2019 07:32
 Operator : SY/VA
 Sample : K1847-13
 Misc : 7.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-13-031119

Quant Time: Mar 12 08:21:04 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	281551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153917	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	155700	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	7.88	113	136975	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	10.32	98	534119	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.62	95	159932	36.81	ug/l	0.00
Spiked Amount			Recovery	=	73.62%	

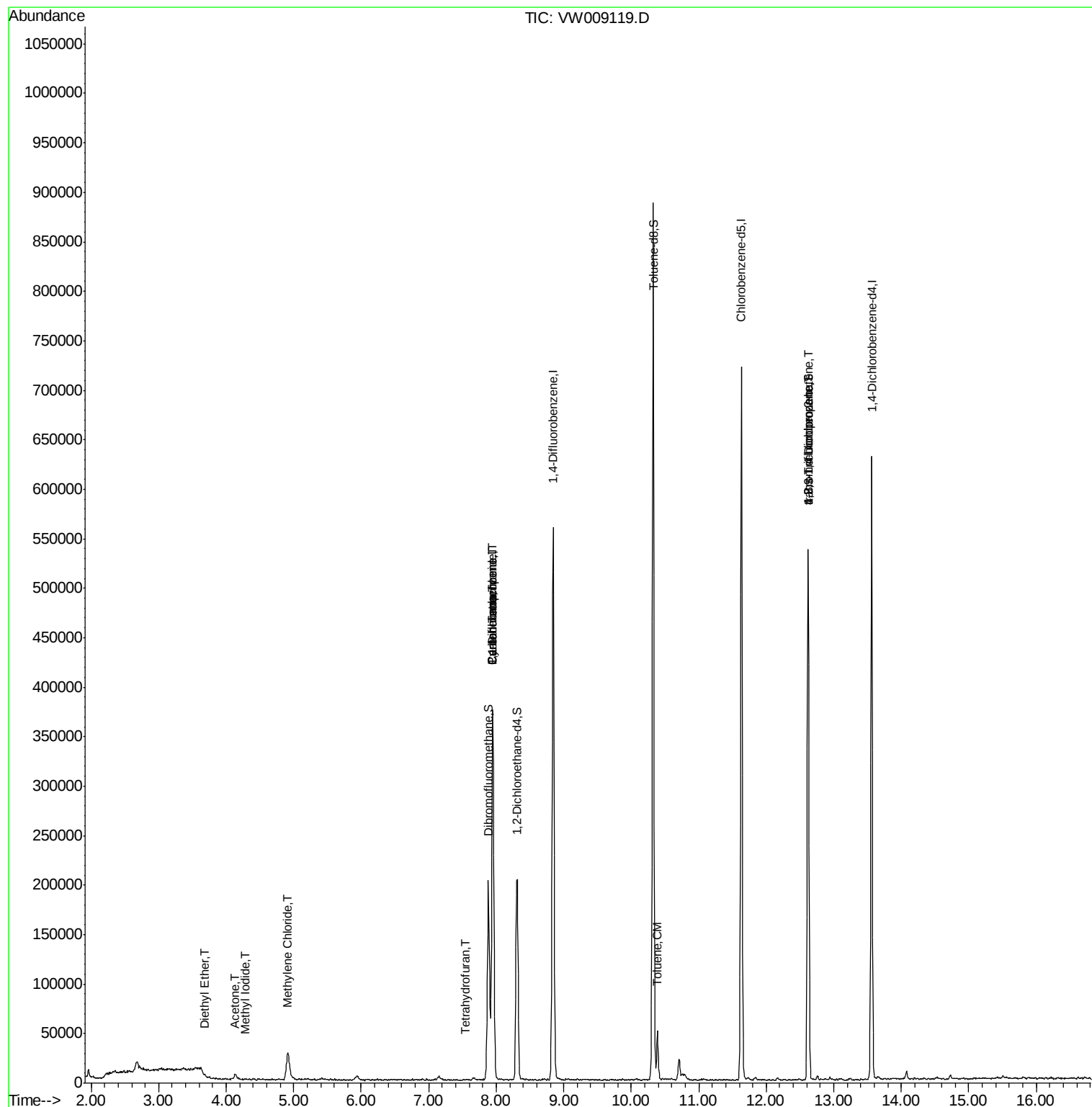
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1918	1.332	ug/l	87
10) Methyl Iodide	4.28	142	25	3.195	ug/l #	50
16) Acetone	4.13	43	9771	15.286	ug/l	96
20) Methylene Chloride	4.91	84	20919	1.717	ug/l #	87
29) Tetrahydrofuran	7.54	42	972	1.746	ug/l #	47
31) Cyclohexane	7.95	56	7095	1.343	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	21492	4.606	ug/l #	50
38) Carbon Tetrachloride	7.95	117	27811	5.771	ug/l #	17
52) Toluene	10.39	92	19420	2.299	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	87526	71.974	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	87526	160.988	ug/l #	5

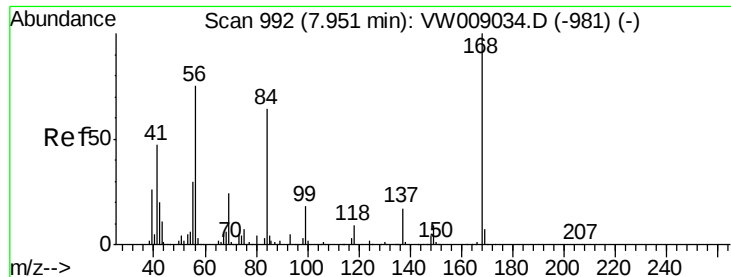
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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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# 992

Delta R.T. 0.00 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

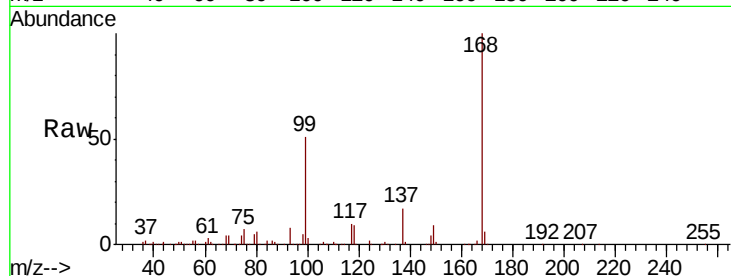
SUP-7B-G-13-031119

Tgt Ion:168 Resp: 281551

Ion Ratio Lower Upper

168 100

99 50.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

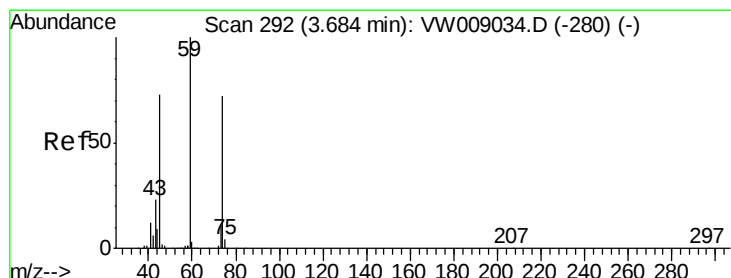
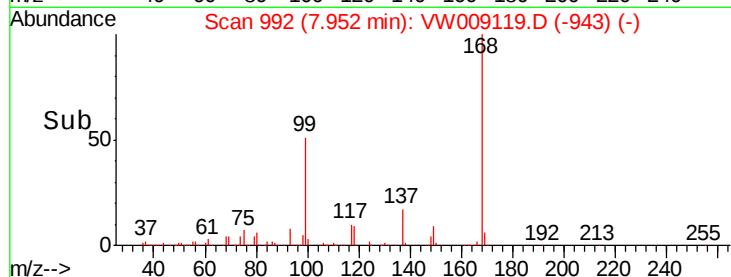
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.332 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW009119.D

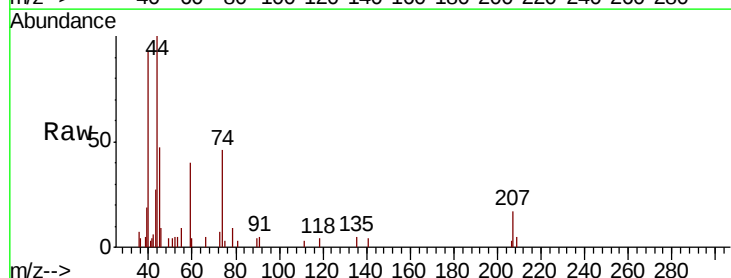
Acq: 12 Mar 2019 07:32

Tgt Ion: 74 Resp: 1918

Ion Ratio Lower Upper

74 100

45 91.1 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

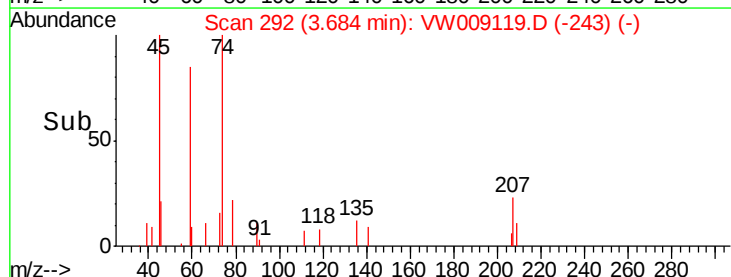
400

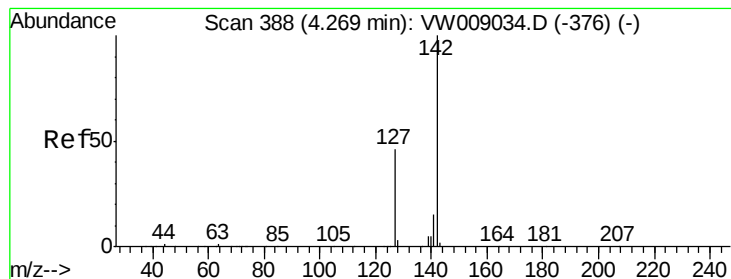
200

0

Time-->

3.60 3.65 3.70 3.75





#10

Methyl Iodide

Concen: 3.195 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-13-031119

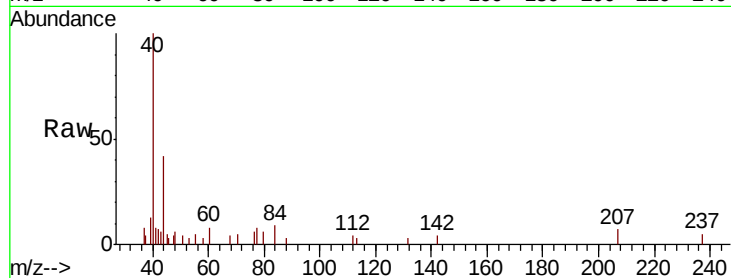
Tgt Ion:142 Resp: 25

Ion Ratio Lower Upper

142 100

127 80.0 35.8 53.6#

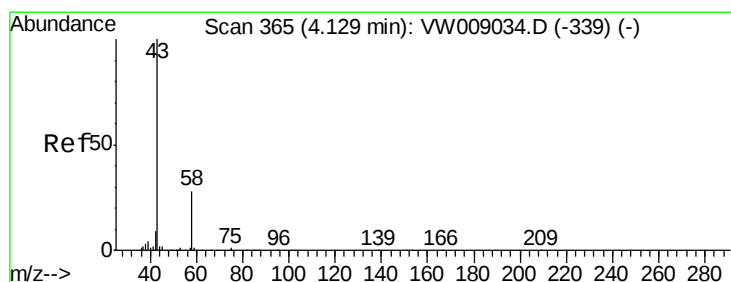
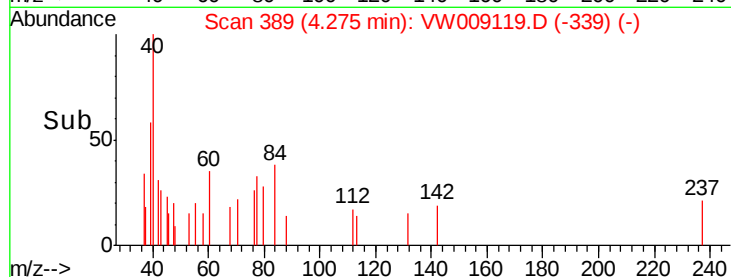
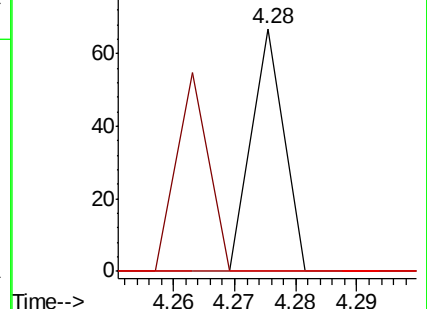
141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 15.286 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009119.D

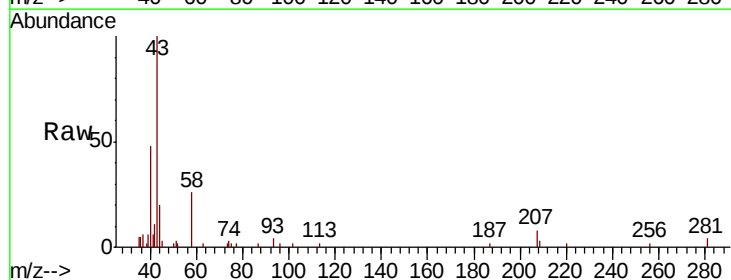
Acq: 12 Mar 2019 07:32

Tgt Ion: 43 Resp: 9771

Ion Ratio Lower Upper

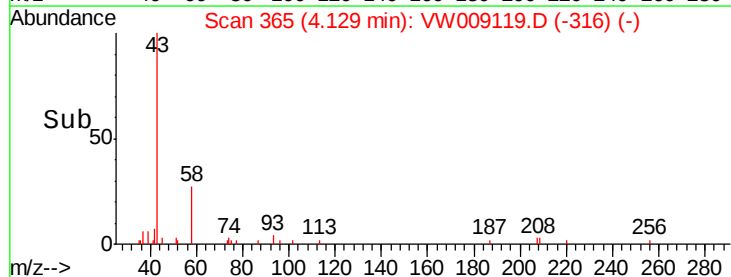
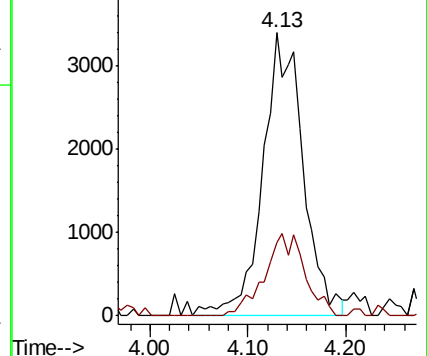
43 100

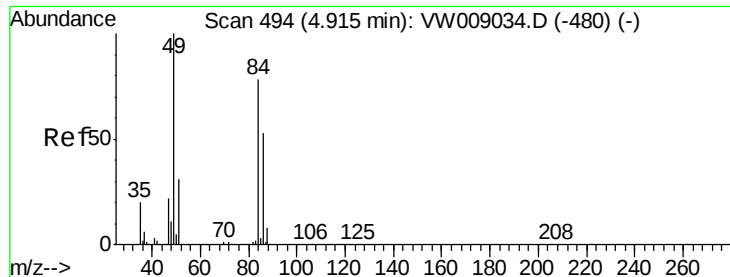
58 26.0 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.717 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-13-031119

Tgt Ion: 84 Resp: 20919

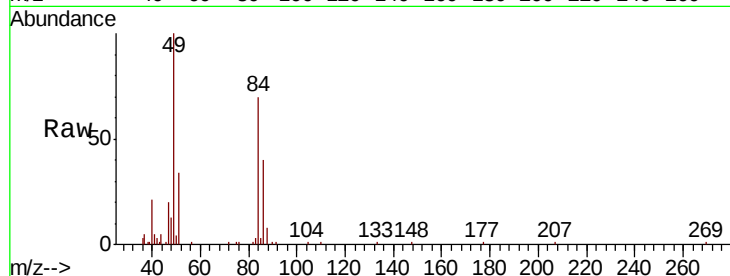
Ion Ratio Lower Upper

84 100

49 143.4 102.4 153.6

51 48.7 31.6 47.4#

86 58.0 54.5 81.7

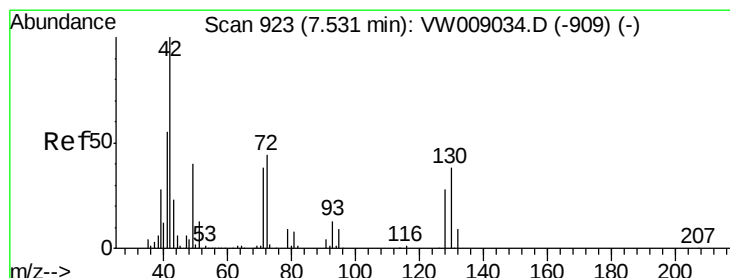
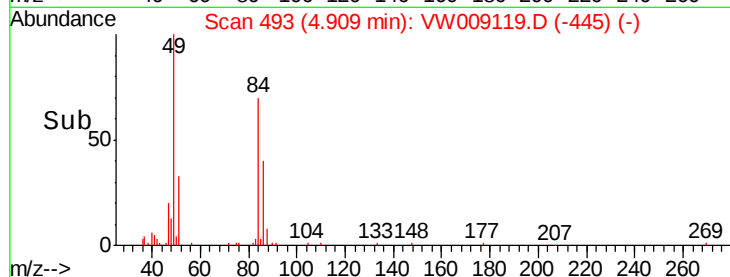
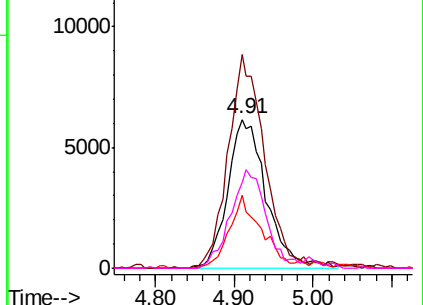


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.746 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

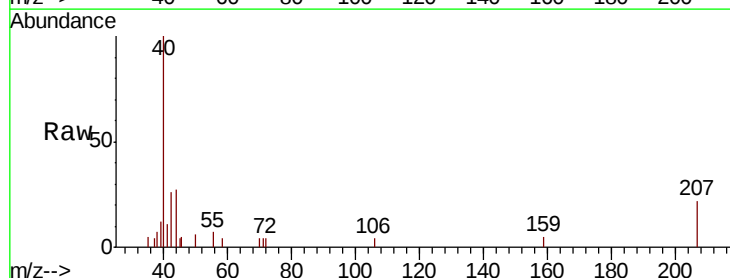
Tgt Ion: 42 Resp: 972

Ion Ratio Lower Upper

42 100

72 5.3 32.2 48.4#

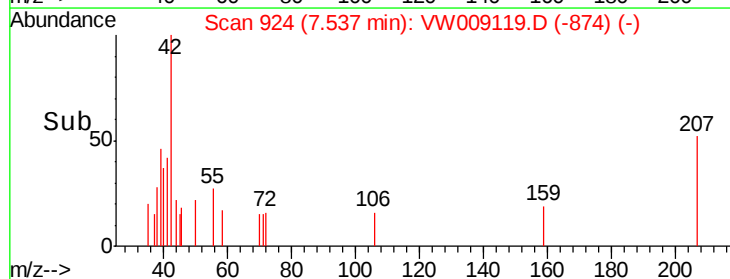
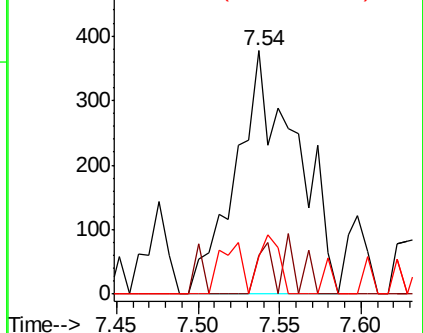
71 8.4 30.7 46.1#

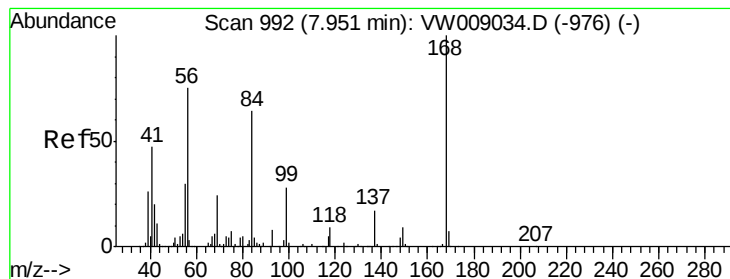


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.343 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-13-031119

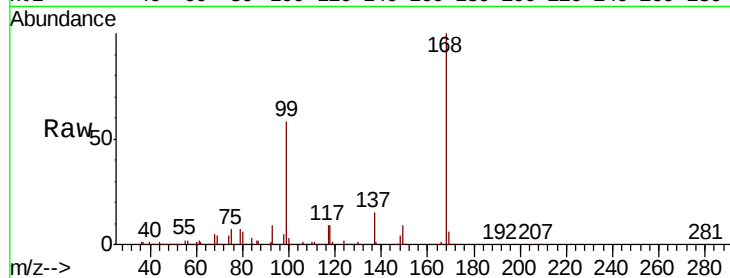
Tgt Ion: 56 Resp: 7095

Ion Ratio Lower Upper

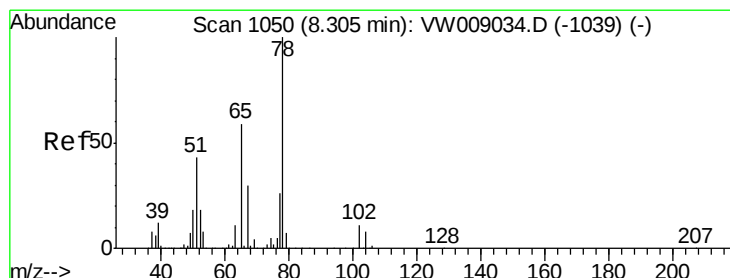
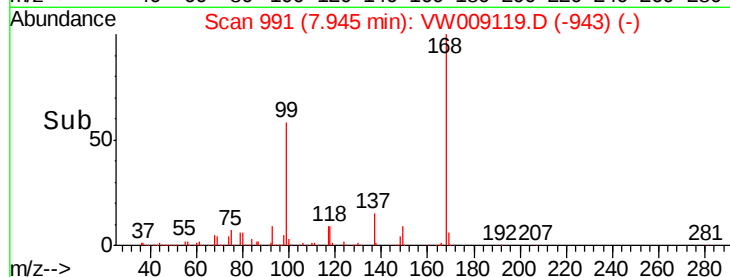
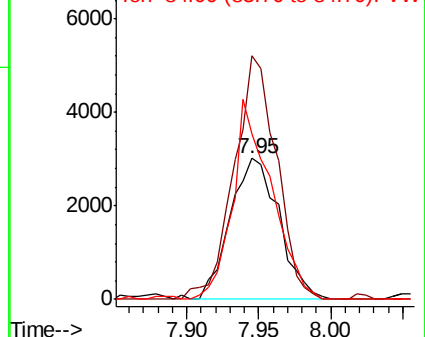
56 100

69 173.1 25.5 38.3#

84 117.5 68.6 103.0#



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: 54.966 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009119.D

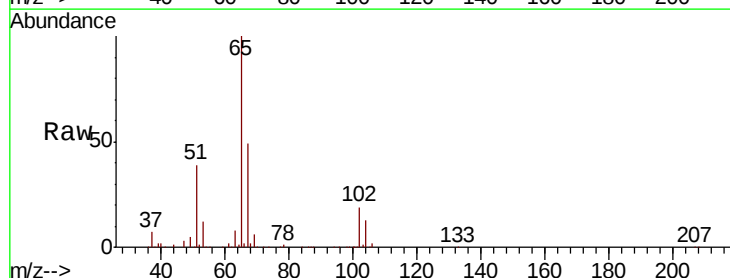
Acq: 12 Mar 2019 07:32

Tgt Ion: 65 Resp: 155700

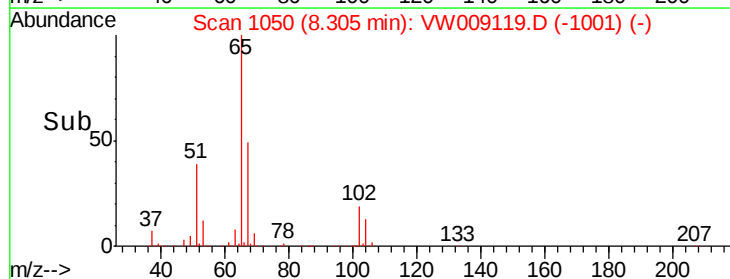
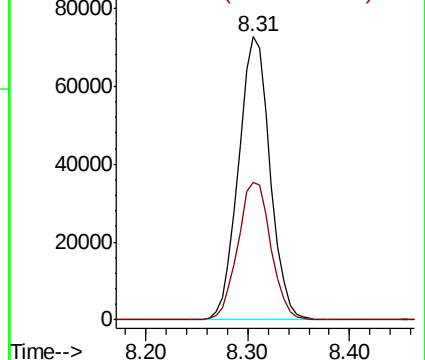
Ion Ratio Lower Upper

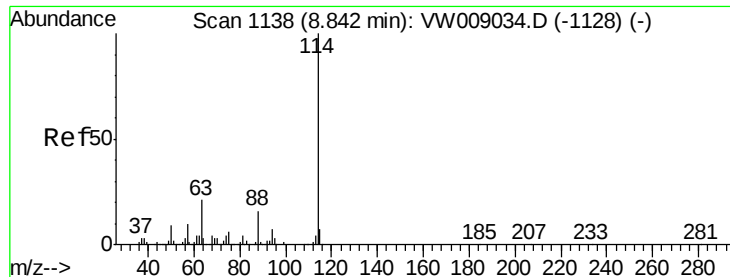
65 100

67 50.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

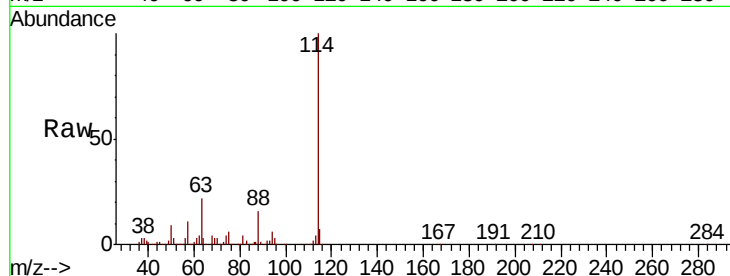




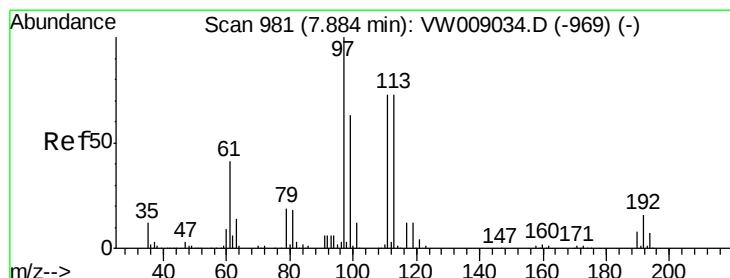
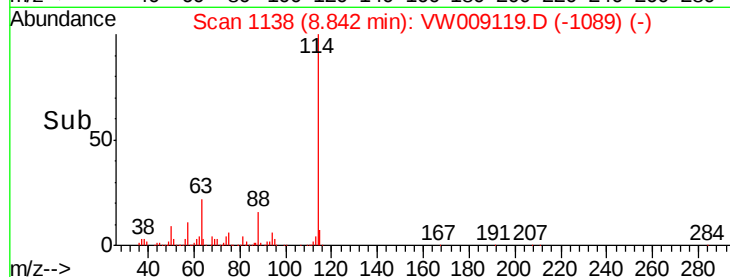
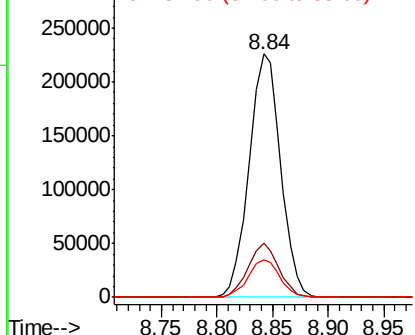
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009119.D
Acq: 12 Mar 2019 07:32

Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-13-031119

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	41.2
88	15.6	0.0	31.2

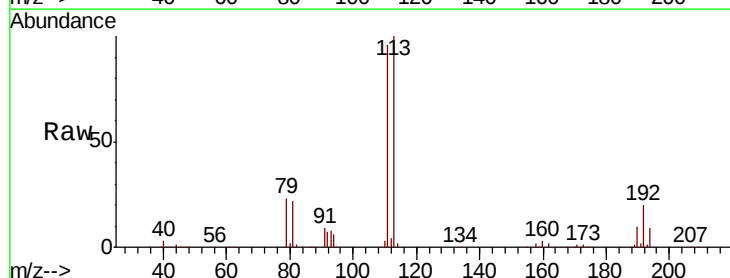


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

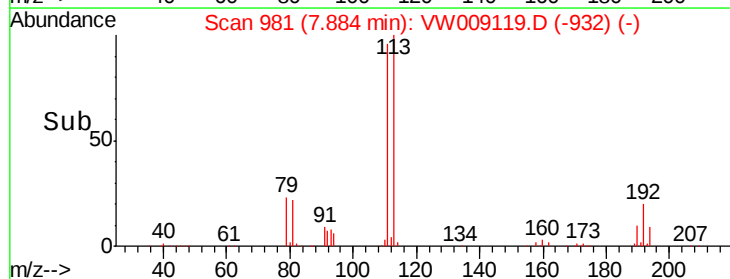
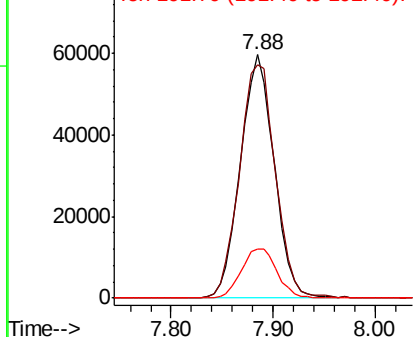


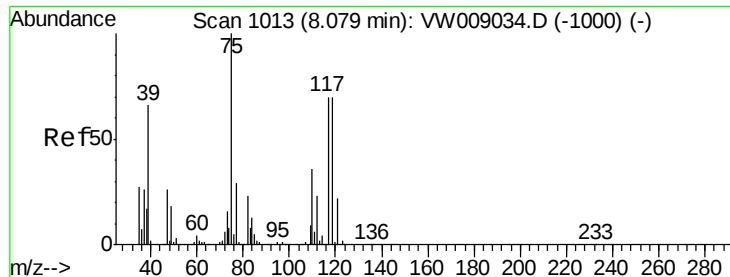
#35
Dibromofluoromethane
Concen: 50.976 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009119.D
Acq: 12 Mar 2019 07:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	21.5	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

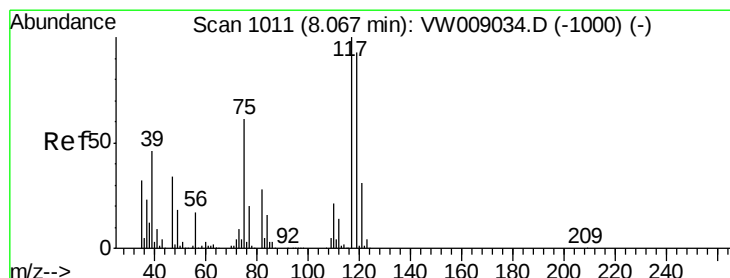
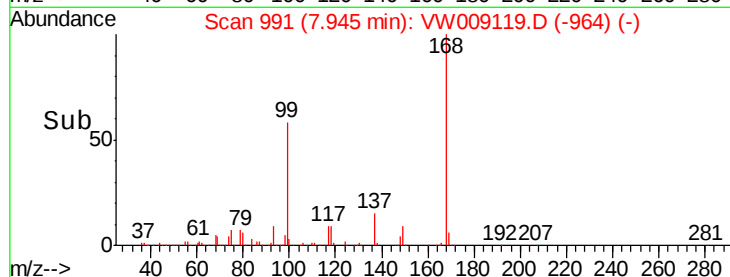
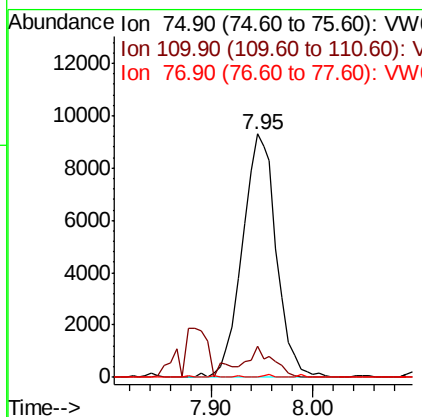
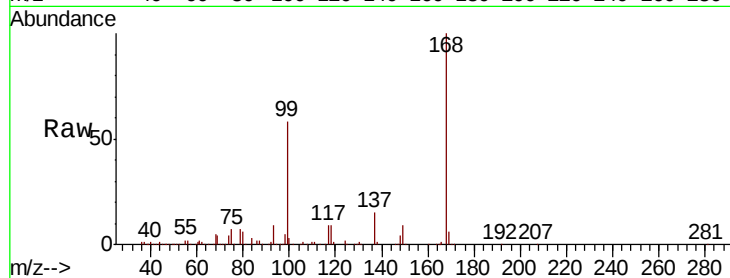




#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009119.D
 Acq: 12 Mar 2019 07:32

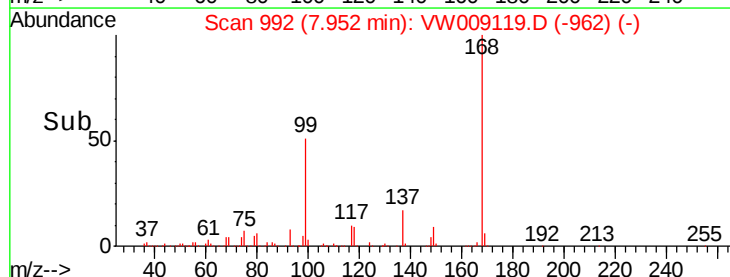
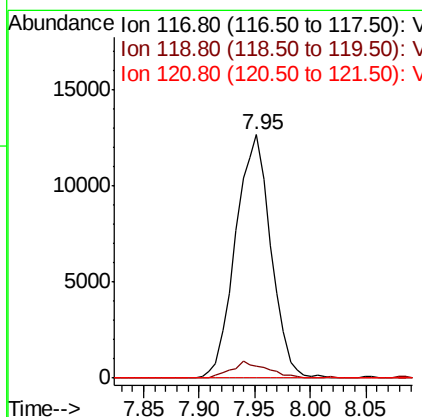
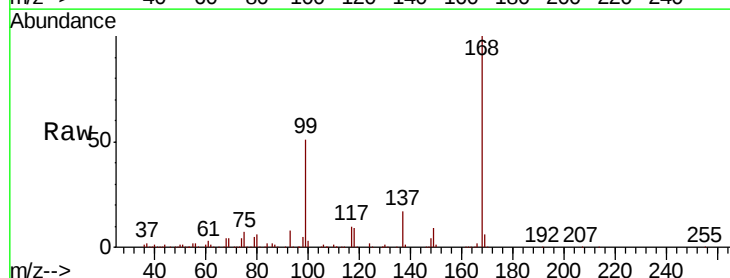
Instrument :
 MSVOA_W
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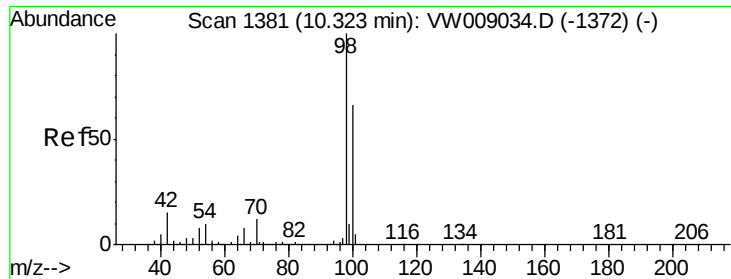
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.6	52.9#
77	0.3	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.771 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009119.D
 Acq: 12 Mar 2019 07:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.6	112.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 48.398 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

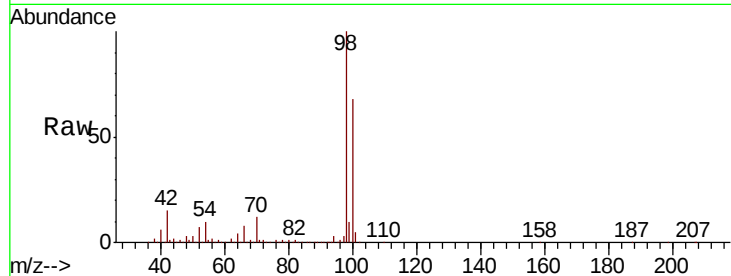
SUP-7B-G-13-031119

Tgt Ion: 98 Resp: 534119

Ion Ratio Lower Upper

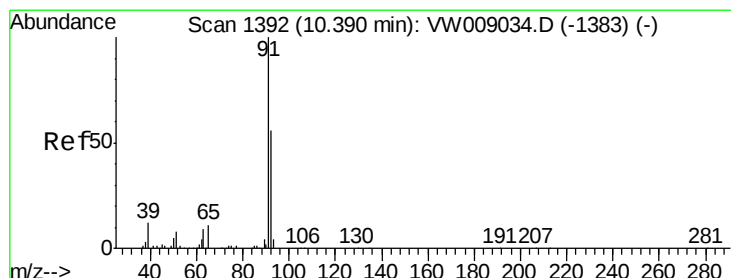
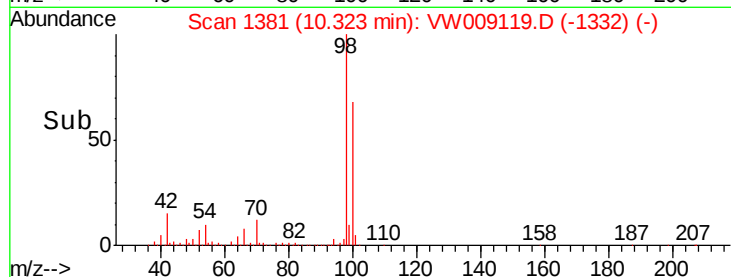
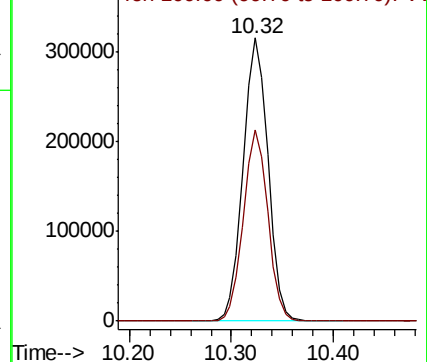
98 100

100 66.2 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: 2.299 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009119.D

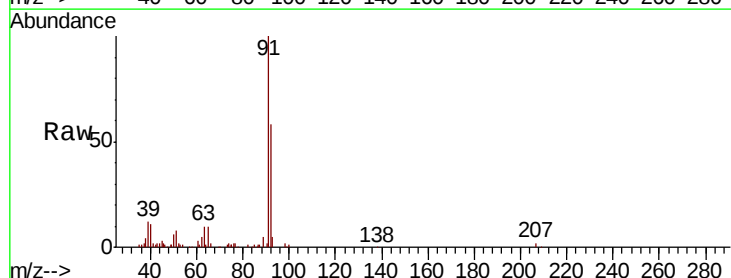
Acq: 12 Mar 2019 07:32

Tgt Ion: 92 Resp: 19420

Ion Ratio Lower Upper

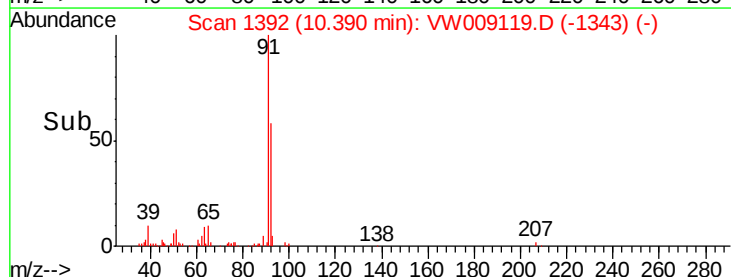
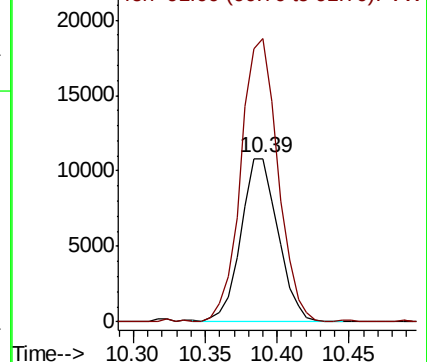
92 100

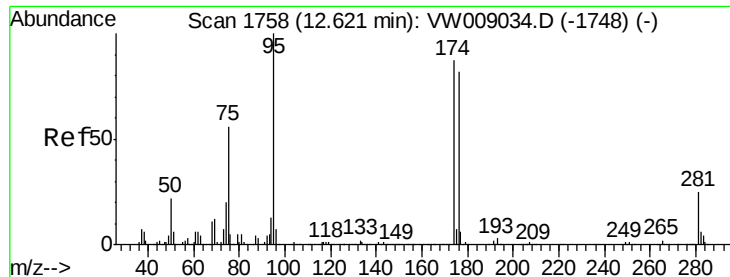
91 172.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

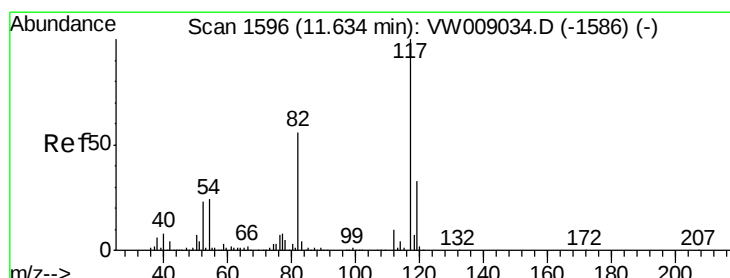
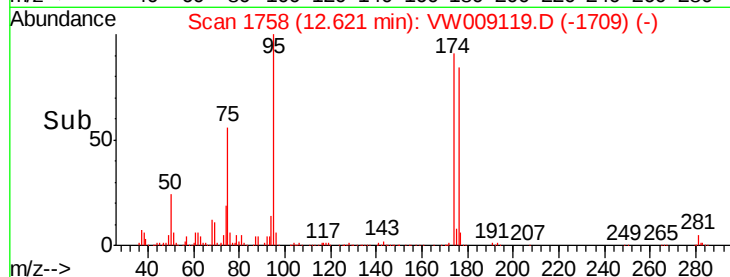
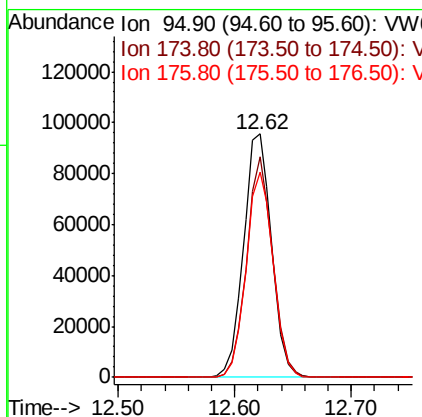
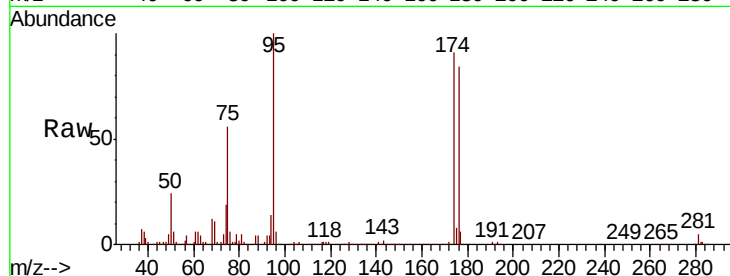




#62
4-Bromofluorobenzene
Concen: 36.813 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009119.D
Acq: 12 Mar 2019 07:32

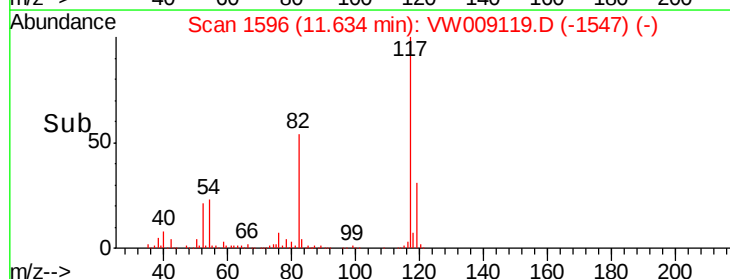
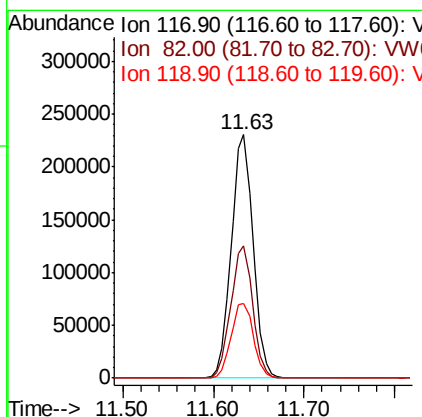
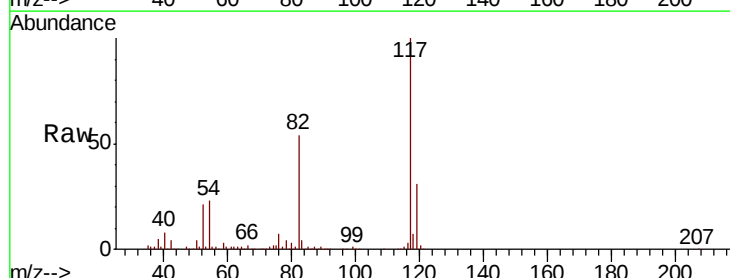
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-13-031119

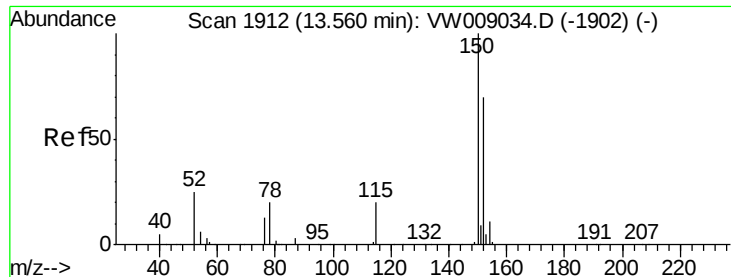
Tgt Ion: 95 Resp: 159932
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.0
176 81.5 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009119.D
Acq: 12 Mar 2019 07:32

Tgt Ion: 117 Resp: 384849
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.6
119 30.6 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: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-13-031119

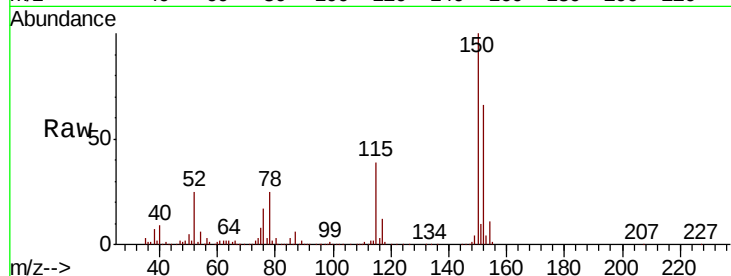
Tgt Ion:152 Resp: 153917

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

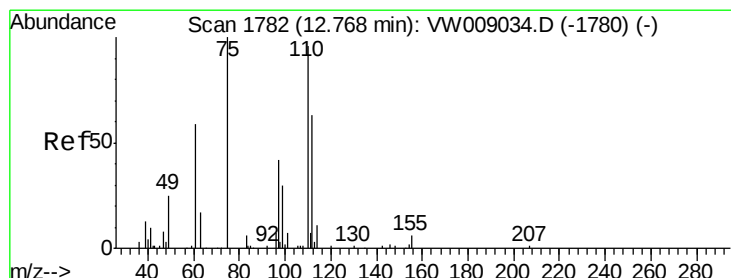
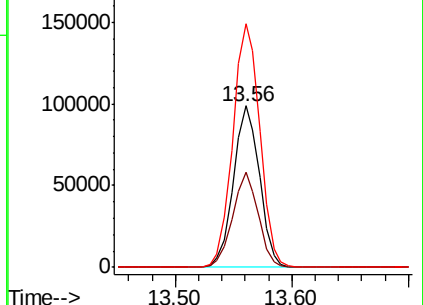
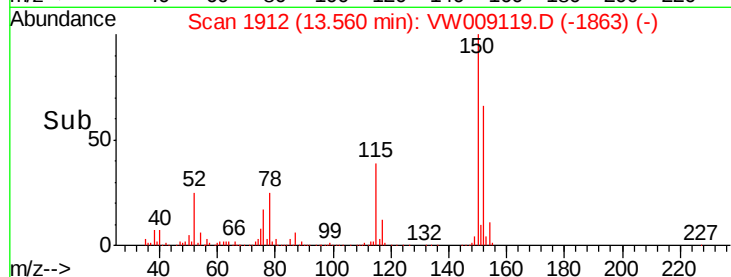
150 156.2 0.0 349.2



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: 71.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009119.D

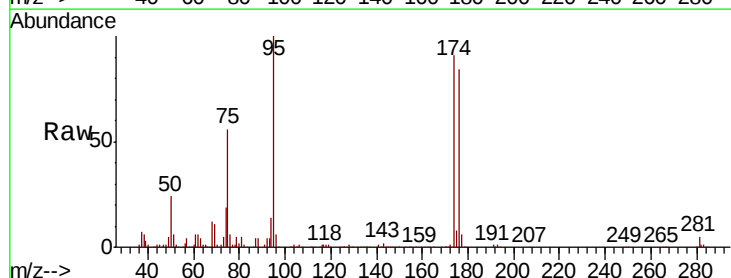
Acq: 12 Mar 2019 07:32

Tgt Ion: 75 Resp: 87526

Ion Ratio Lower Upper

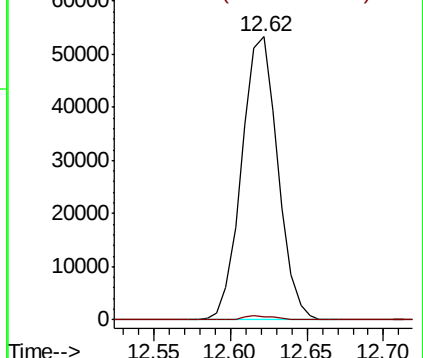
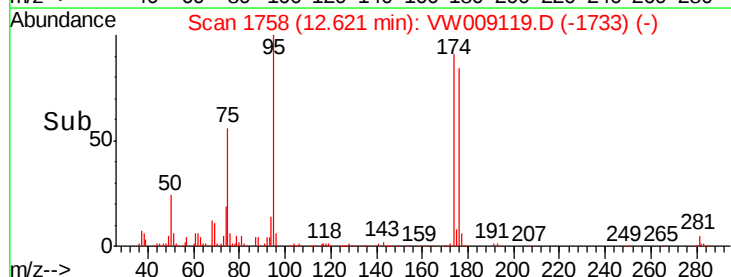
75 100

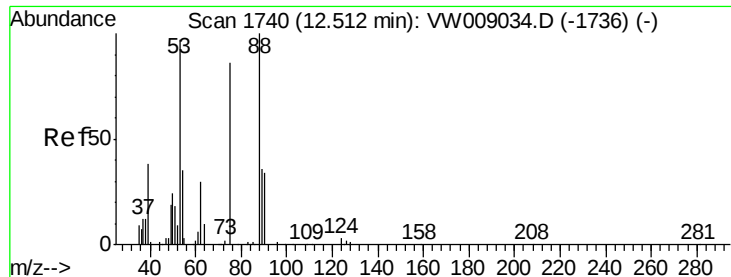
77 1.4 186.7 560.0#



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: 160.988 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009119.D

Acq: 12 Mar 2019 07:32

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-13-031119

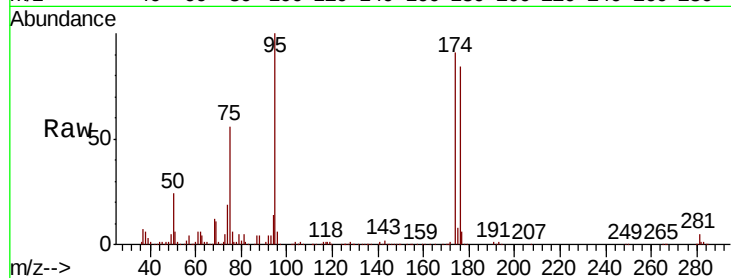
Tgt Ion: 75 Resp: 87526

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

