

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009109.D
 Acq On : 12 Mar 2019 03:04
 Operator : SY/VA
 Sample : K1847-03
 Misc : 6.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-3-031119

Quant Time: Mar 12 08:18:24 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	298612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209737	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	183826	61.19	ug/l	0.00
Spiked Amount			Recovery	=	122.38%	
35) Dibromofluoromethane	7.88	113	151453	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	10.32	98	584273	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	203640	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	

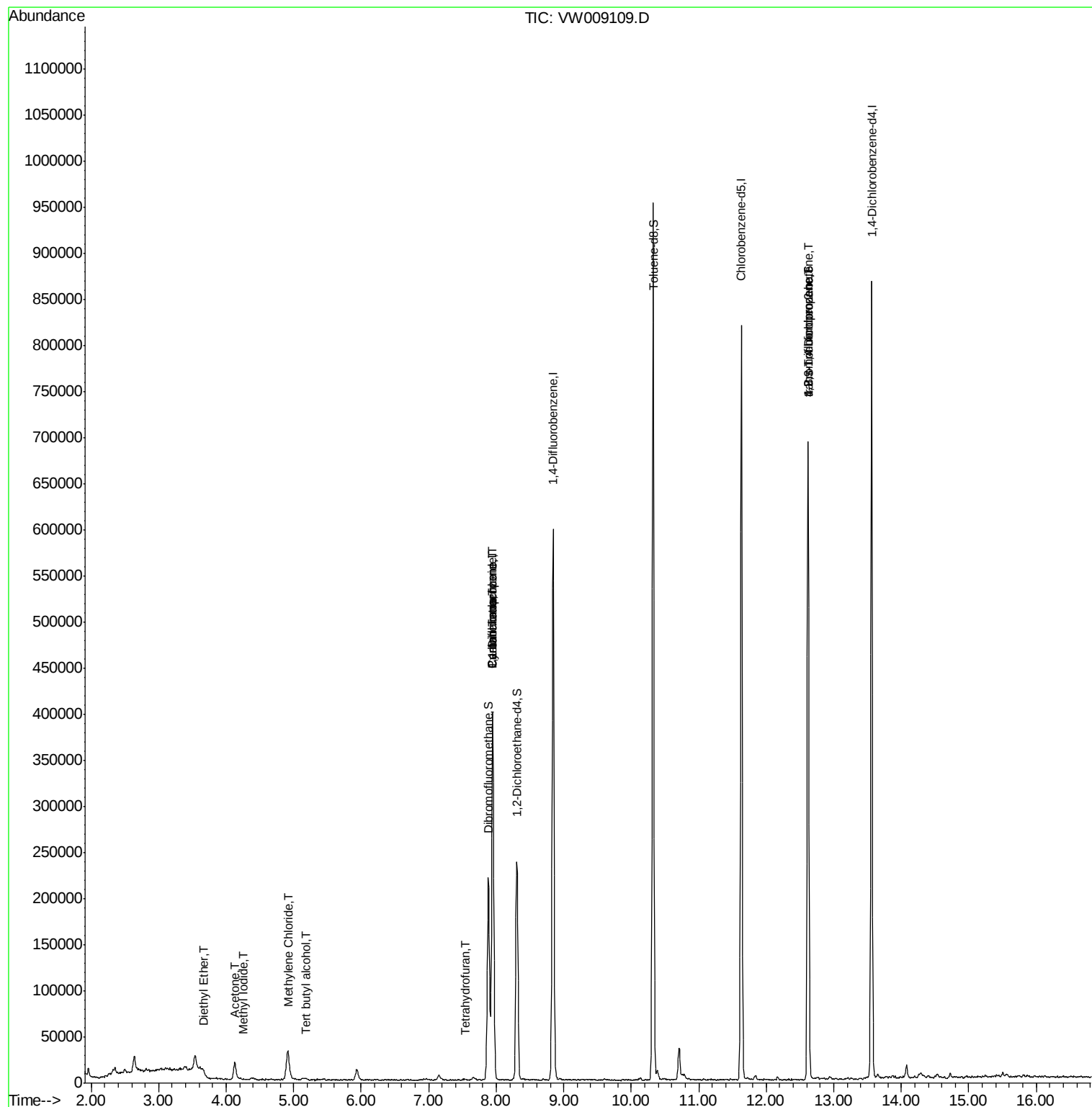
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1923	1.259	ug/l	62
10) Methyl Iodide	4.26	142	25	3.194	ug/l #	40
11) Tert butyl alcohol	5.18	59	2262	9.825	ug/l #	94
16) Acetone	4.13	43	32477	47.905	ug/l	91
20) Methylene Chloride	4.92	84	23252	2.092	ug/l	95
29) Tetrahydrofuran	7.54	42	891	1.509	ug/l #	55
31) Cyclohexane	7.95	56	7466	1.333	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	24934	4.975	ug/l #	50
38) Carbon Tetrachloride	7.95	117	29399	5.680	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	109988	66.374	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	109988	148.461	ug/l #	5

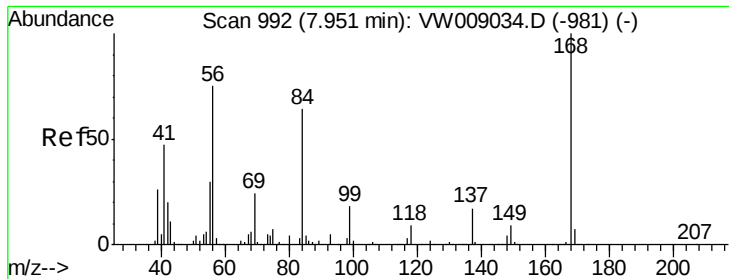
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

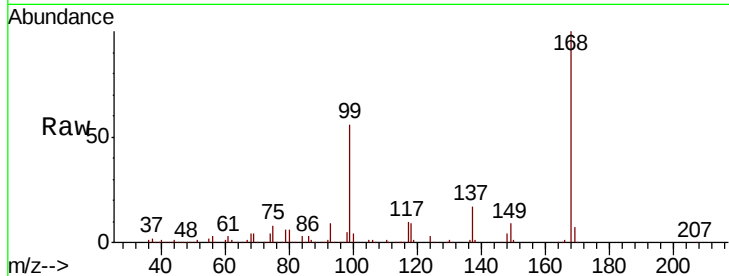
SUP-7B-G-3-031119

Tgt Ion:168 Resp: 298612

Ion Ratio Lower Upper

168 100

99 55.6 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

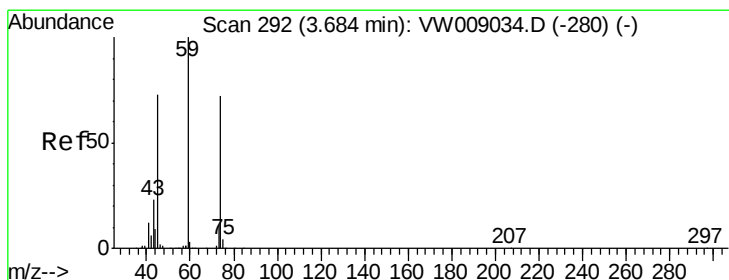
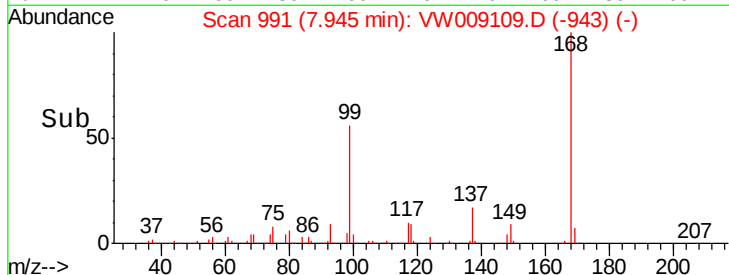
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.259 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW009109.D

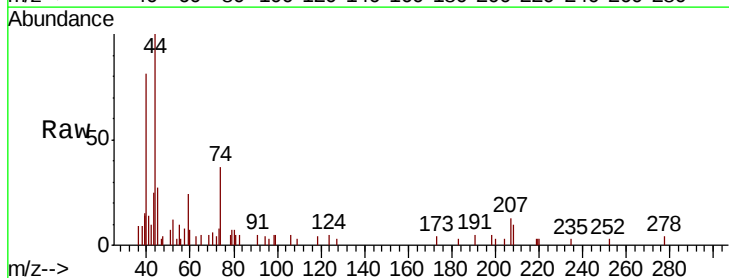
Acq: 12 Mar 2019 03:04

Tgt Ion: 74 Resp: 1923

Ion Ratio Lower Upper

74 100

45 65.7 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

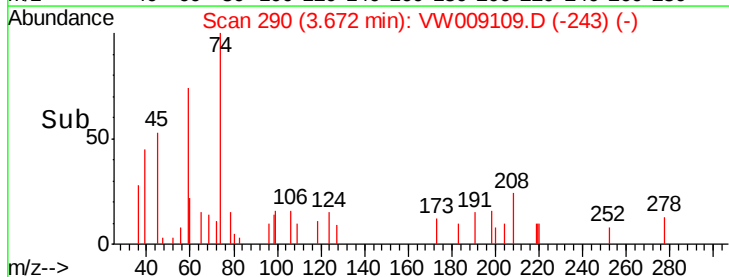
1500

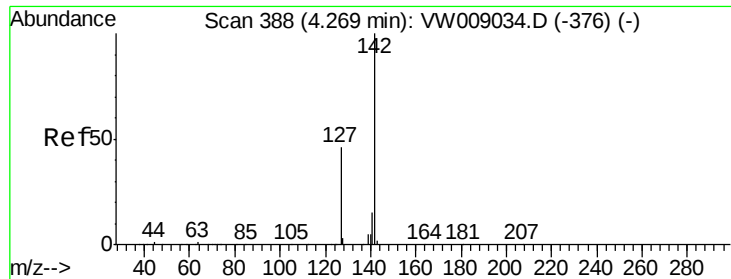
1000

500

0

Time-->

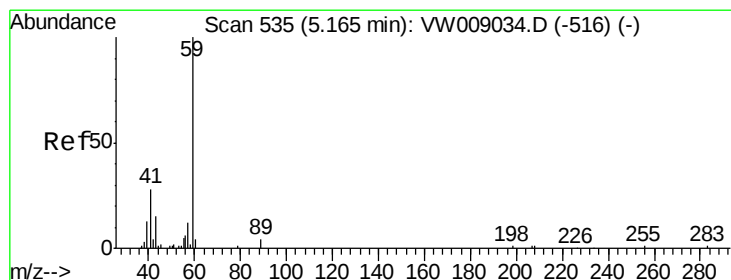
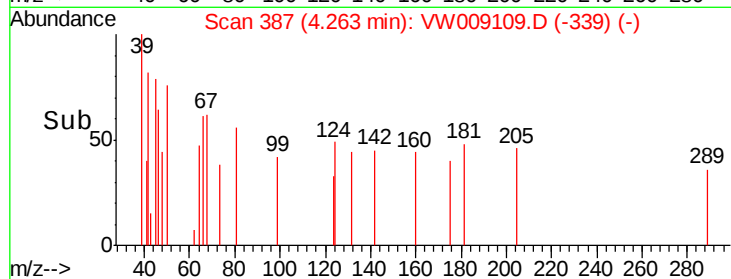
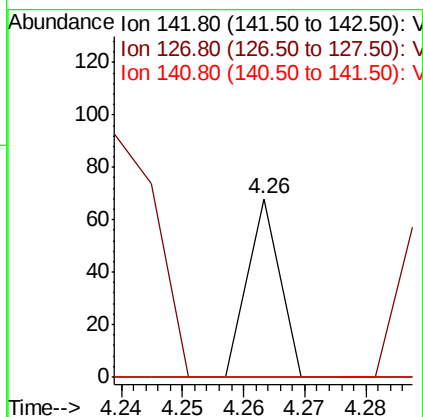
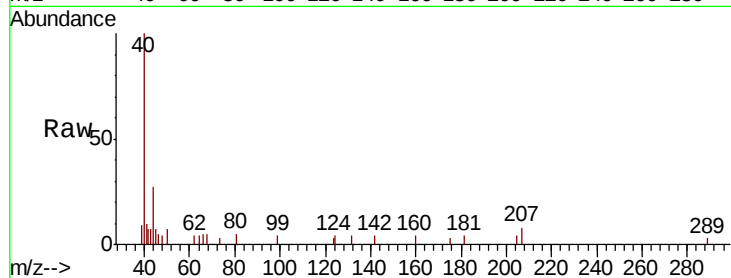




#10
Methyl Iodide
Concen: 3.194 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.01 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

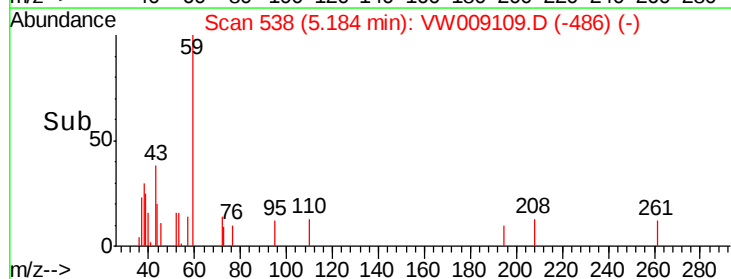
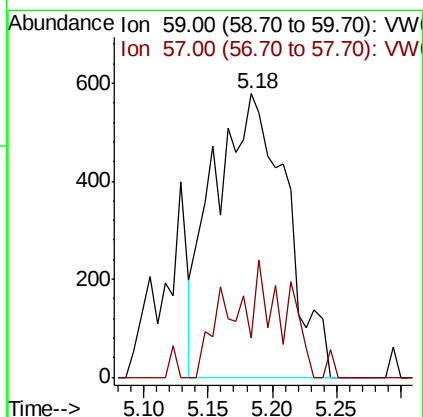
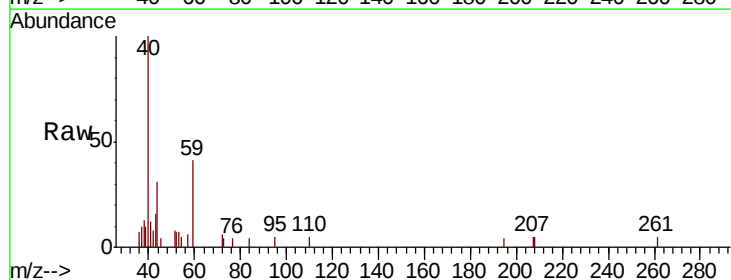
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-3-031119

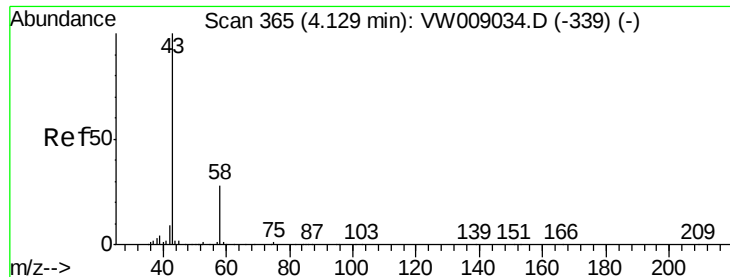
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.8	53.6#
141	0.0	11.8	17.8#



#11
Tert butyl alcohol
Concen: 9.825 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.6	12.8#





#16

Acetone

Concen: 47.905 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

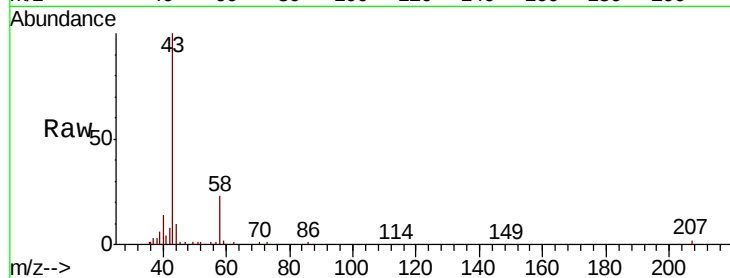
SUP-7B-G-3-031119

Tgt Ion: 43 Resp: 32477

Ion Ratio Lower Upper

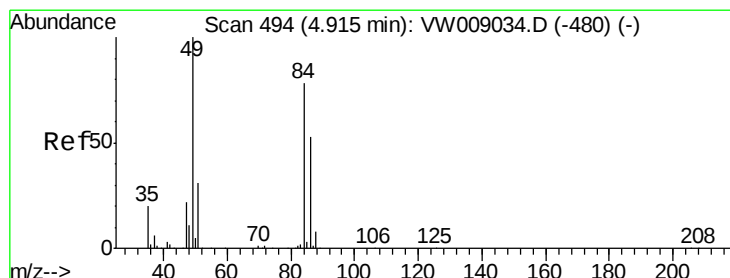
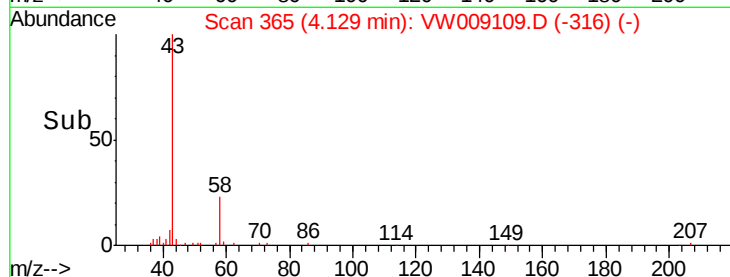
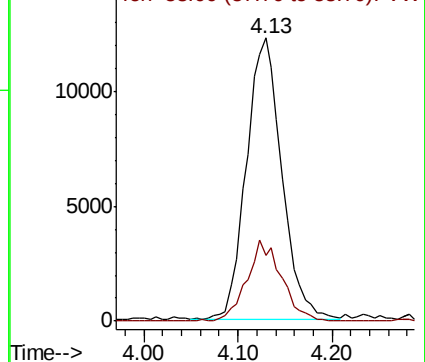
43 100

58 23.5 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: 2.092 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Tgt Ion: 84 Resp: 23252

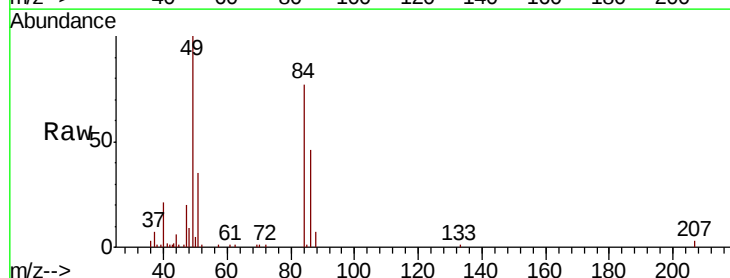
Ion Ratio Lower Upper

84 100

49 128.7 102.4 153.6

51 45.2 31.6 47.4

86 59.7 54.5 81.7

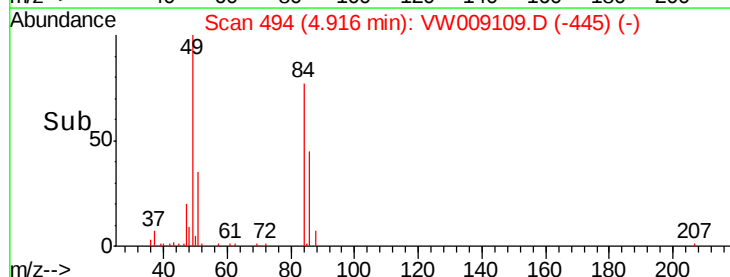
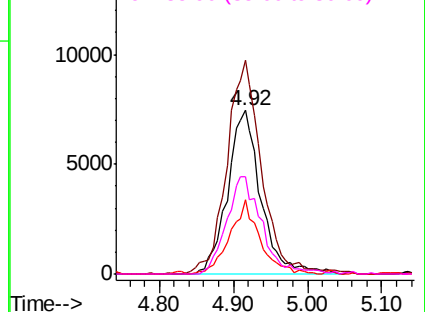


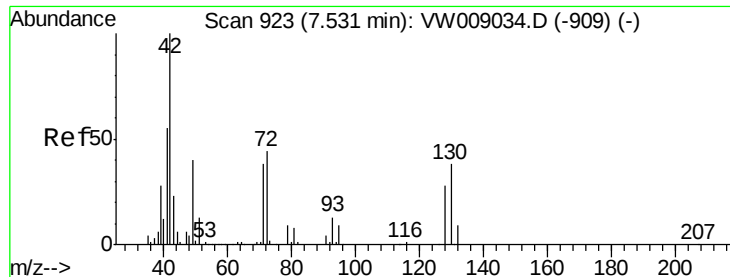
Abundance Ion 83.90 (83.60 to 84.60): VW

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

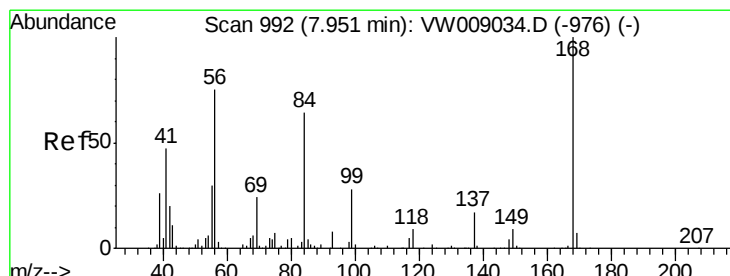
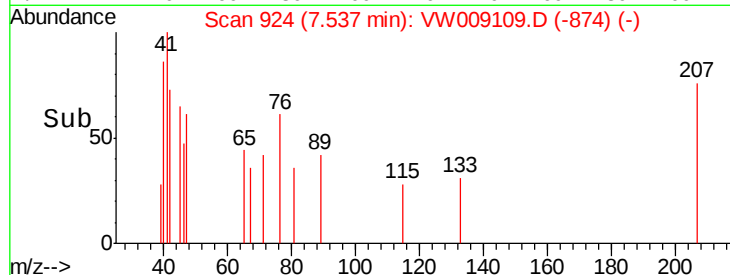
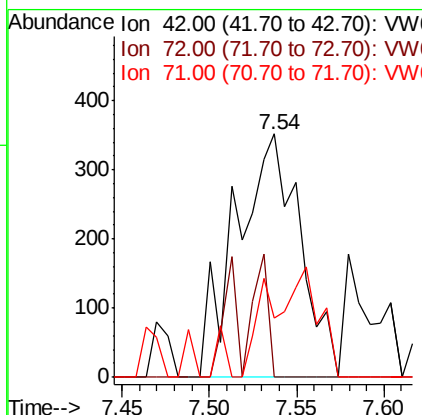
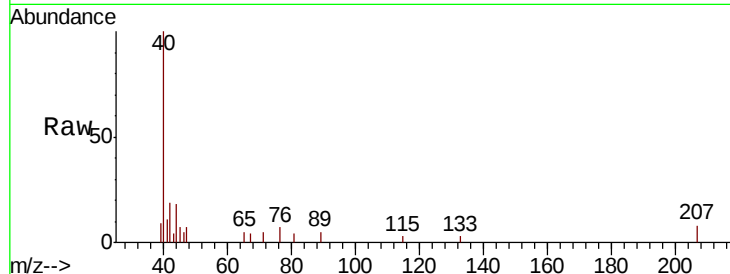




#29
Tetrahydrofuran
Concen: 1.509 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

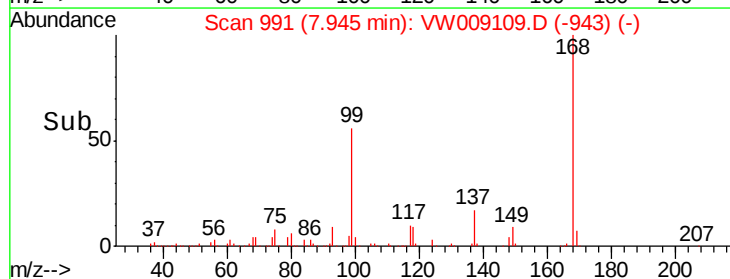
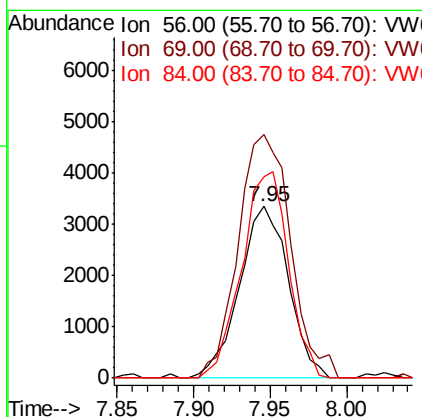
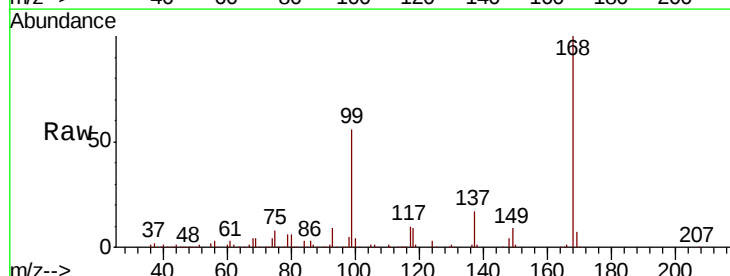
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-3-031119

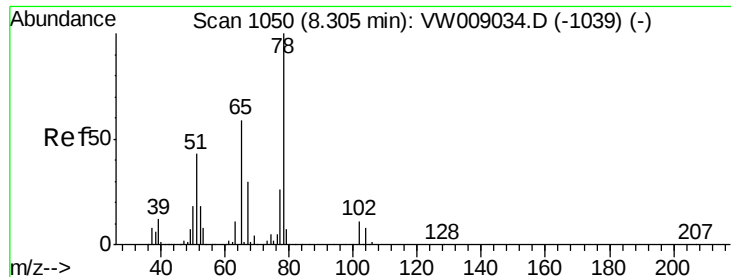
Tgt Ion: 42 Resp: 891
Ion Ratio Lower Upper
42 100
72 11.8 32.2 48.4#
71 11.8 30.7 46.1#



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

Tgt Ion: 56 Resp: 7466
Ion Ratio Lower Upper
56 100
69 141.7 25.5 38.3#
84 117.2 68.6 103.0#

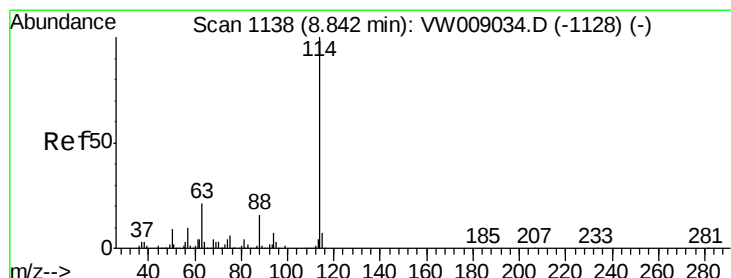
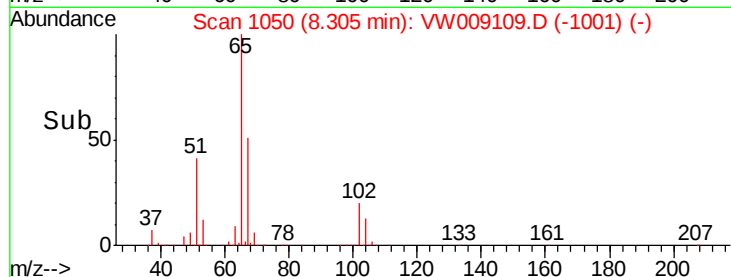
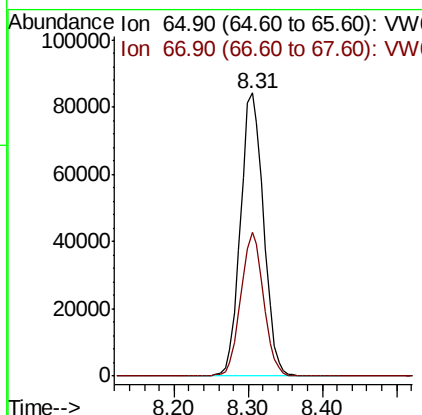
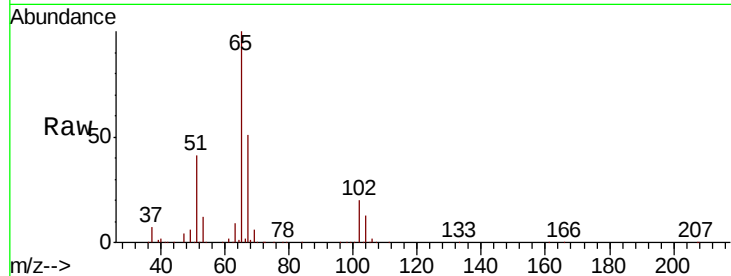




#33
 1,2-Dichloroethane-d4
 Concen: 61.187 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009109.D
 Acq: 12 Mar 2019 03:04

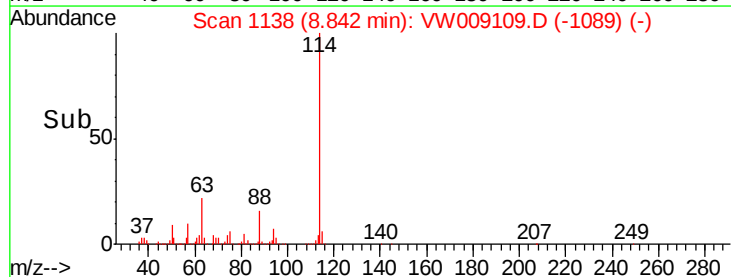
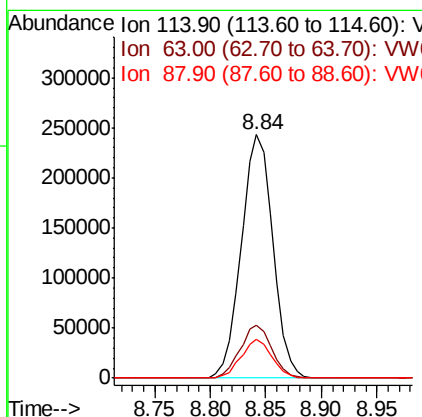
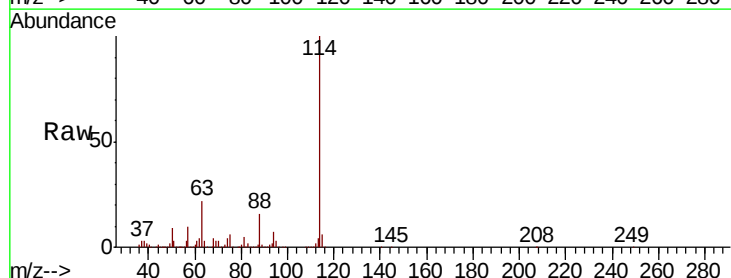
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 SUP-7B-G-3-031119

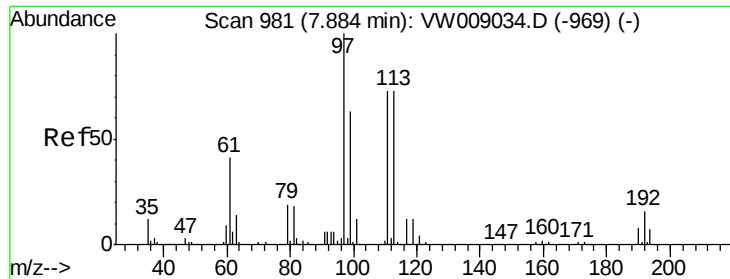
Tgt Ion: 65 Resp: 183826
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009109.D
 Acq: 12 Mar 2019 03:04

Tgt Ion: 114 Resp: 479299
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.2
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.482 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-3-031119

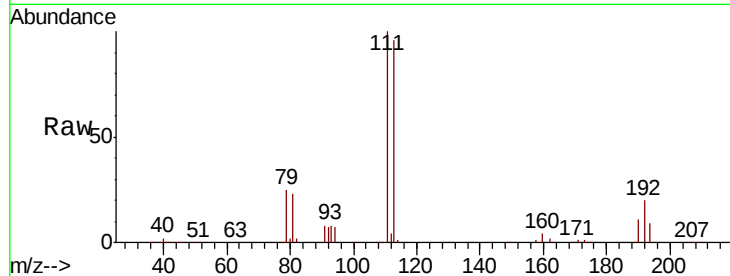
Tgt Ion:113 Resp: 151453

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.4

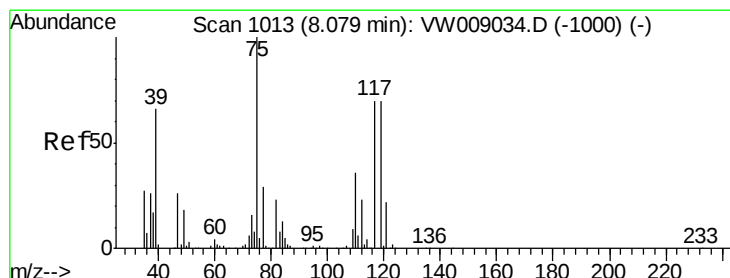
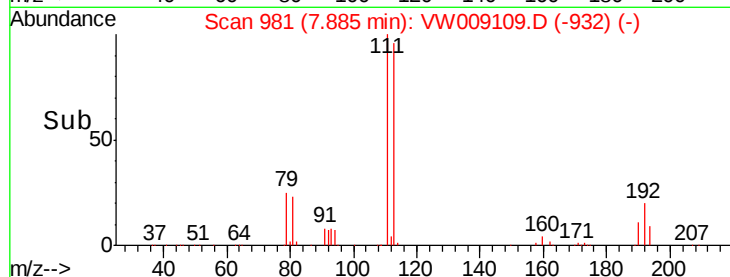
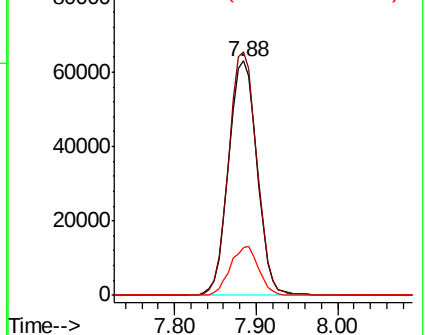
192 20.8 17.1 25.7



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: 4.975 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

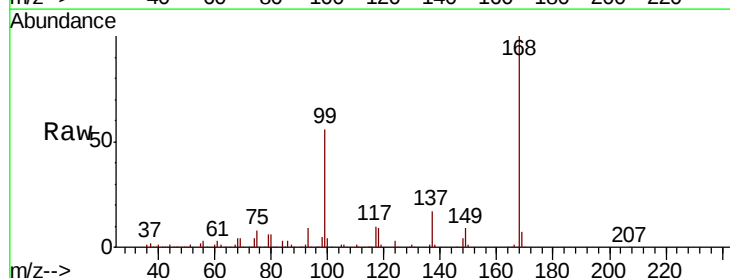
Tgt Ion: 75 Resp: 24934

Ion Ratio Lower Upper

75 100

110 9.8 17.6 52.9#

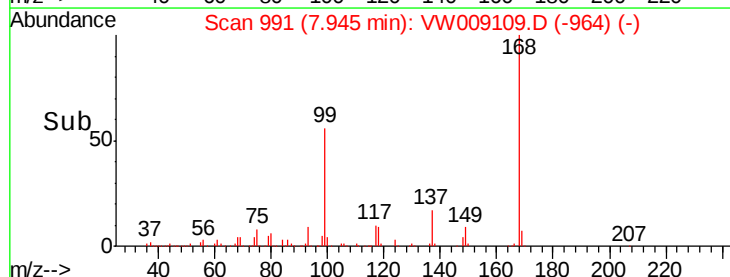
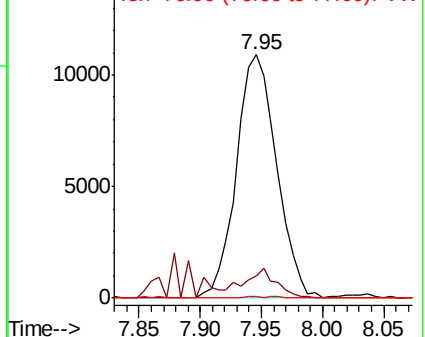
77 0.2 25.1 37.7#

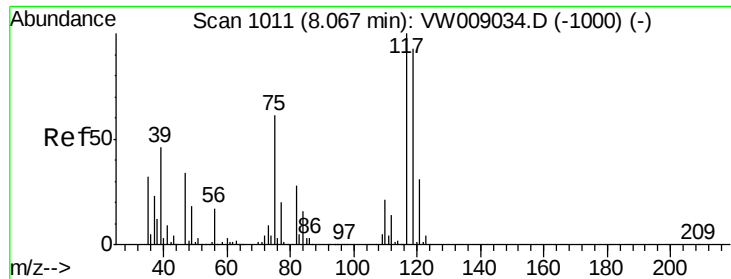


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.680 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-3-031119

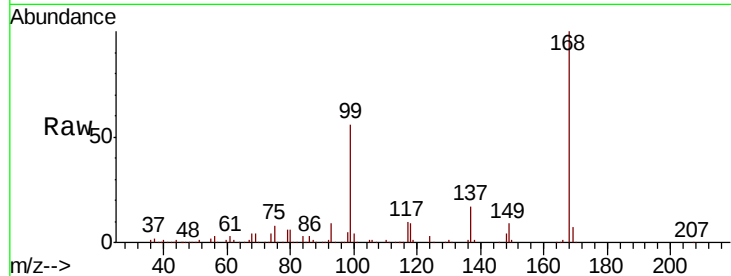
Tgt Ion:117 Resp: 29399

Ion Ratio Lower Upper

117 100

119 6.1 74.6 112.0#

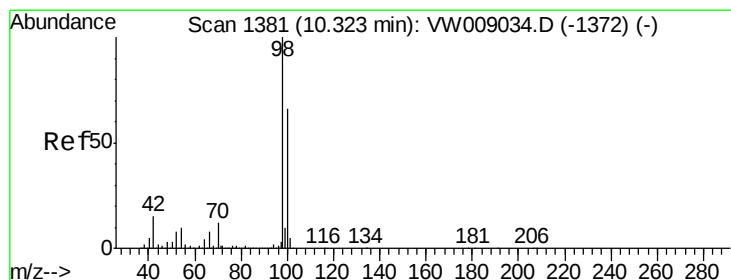
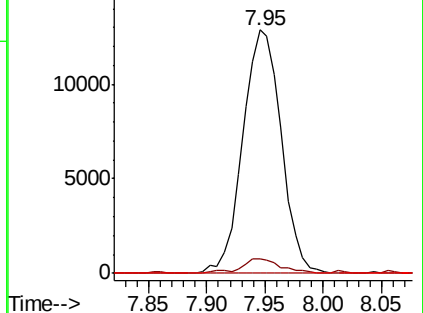
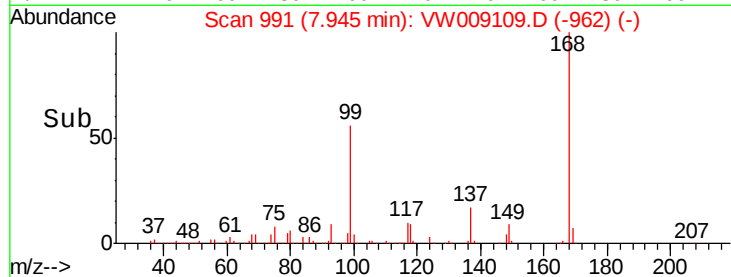
121 0.0 24.7 37.1#



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: 49.296 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009109.D

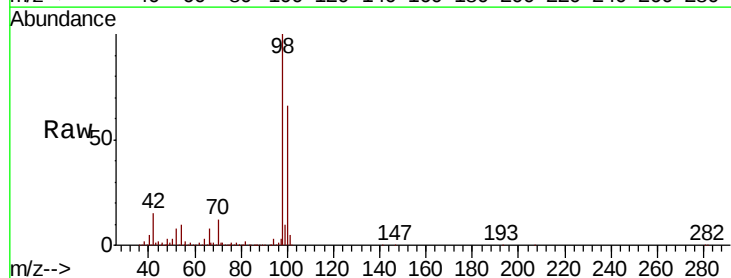
Acq: 12 Mar 2019 03:04

Tgt Ion: 98 Resp: 584273

Ion Ratio Lower Upper

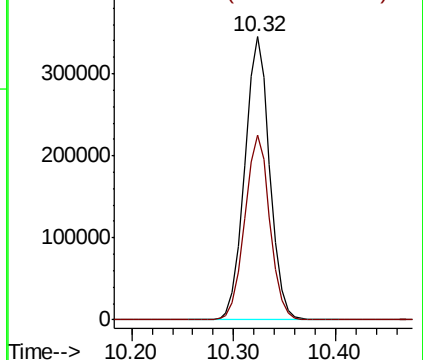
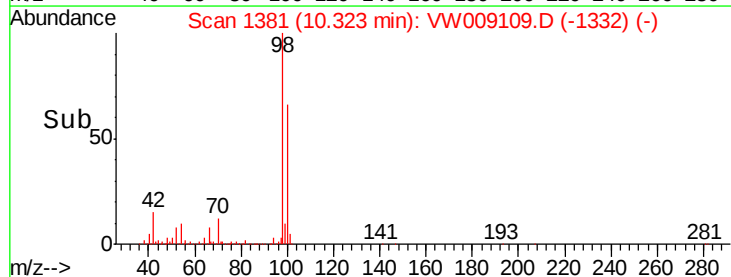
98 100

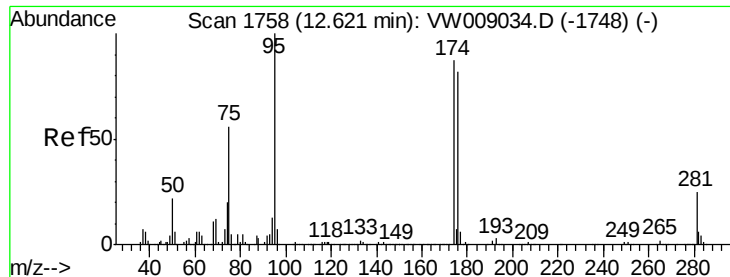
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

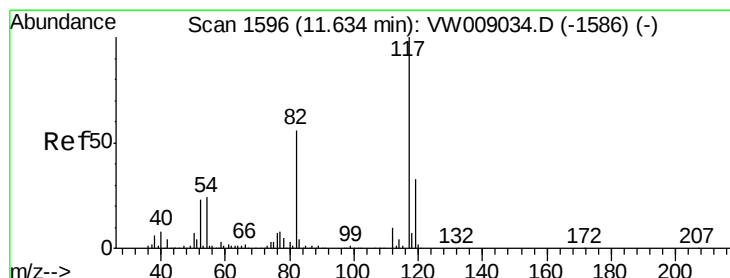
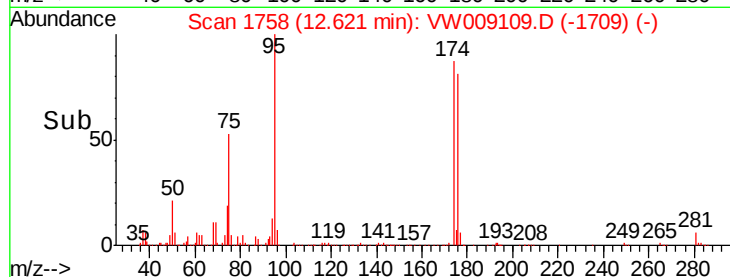
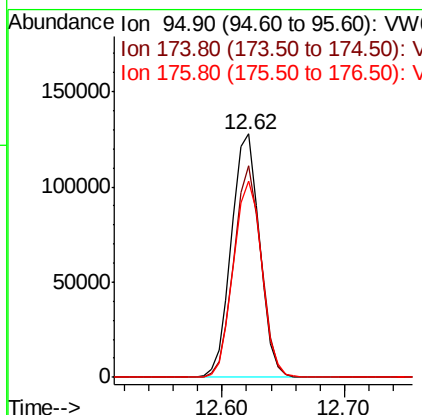
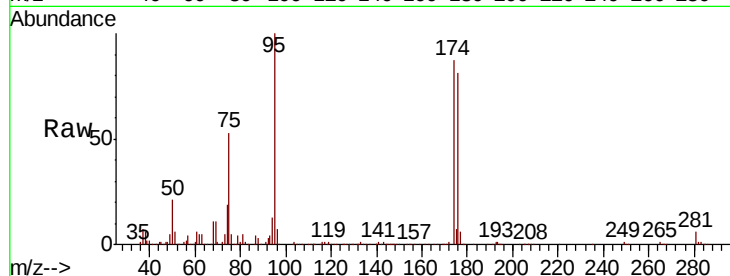




#62
4-Bromofluorobenzene
Concen: 43.645 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

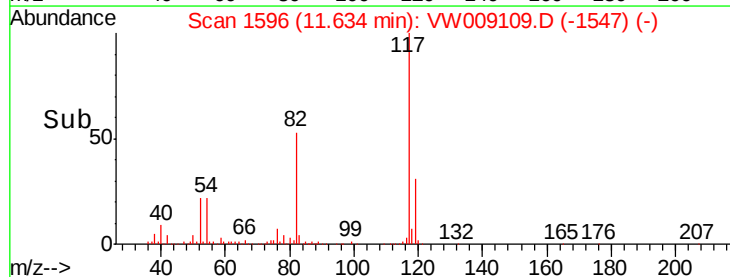
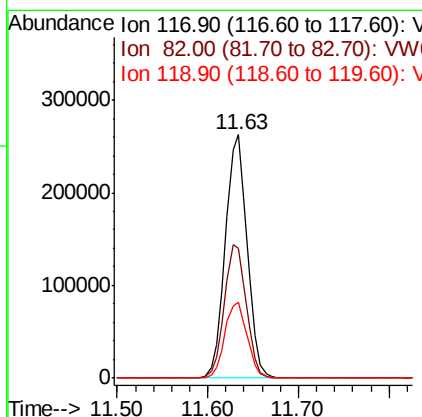
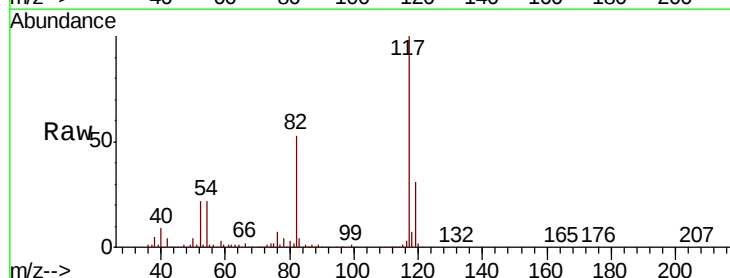
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-3-031119

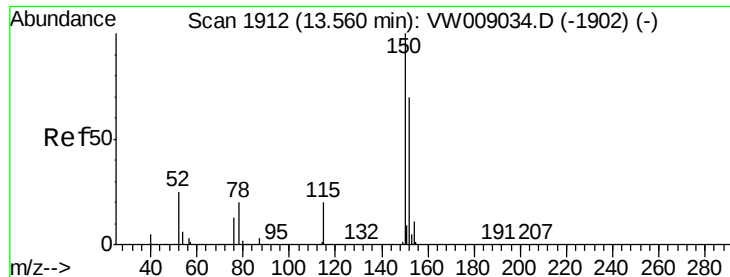
Tgt Ion: 95 Resp: 203640
Ion Ratio Lower Upper
95 100
174 84.6 0.0 167.0
176 81.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009109.D
Acq: 12 Mar 2019 03:04

Tgt Ion: 117 Resp: 439096
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.6
119 31.2 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: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-3-031119

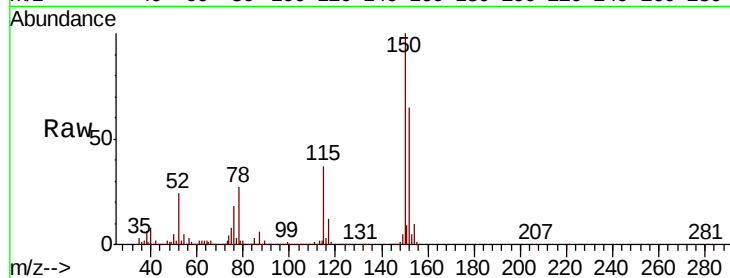
Tgt Ion:152 Resp: 209737

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

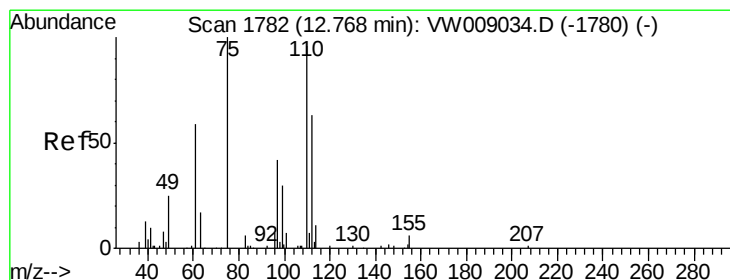
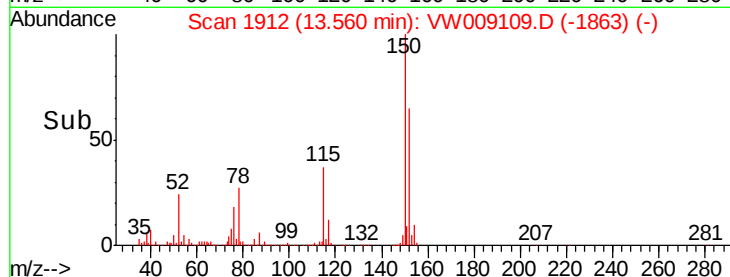
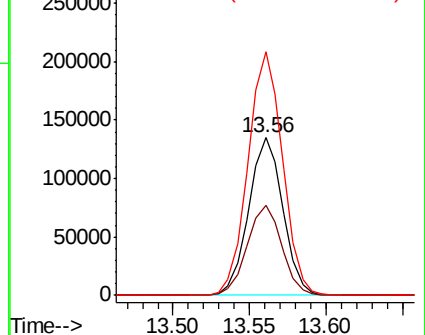
150 156.2 0.0 349.2



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: 66.374 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009109.D

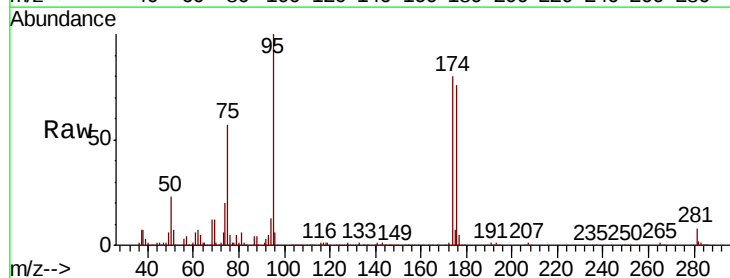
Acq: 12 Mar 2019 03:04

Tgt Ion: 75 Resp: 109988

Ion Ratio Lower Upper

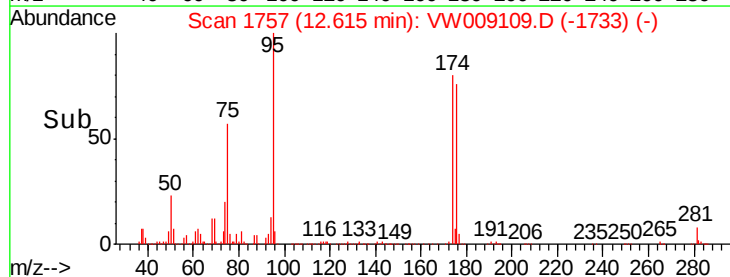
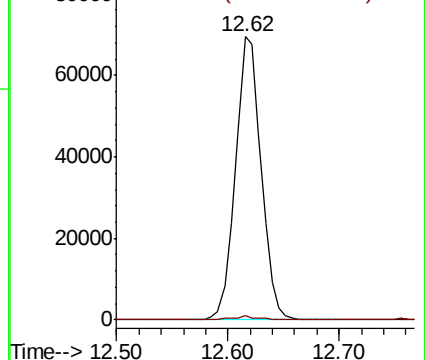
75 100

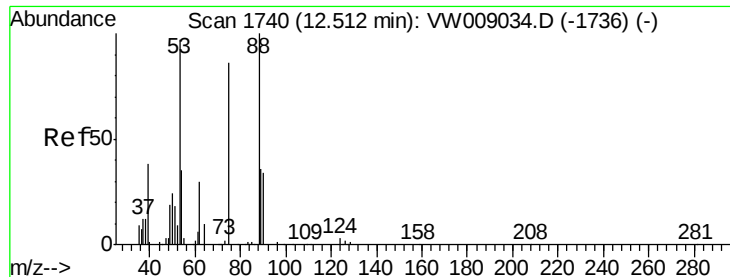
77 1.4 186.7 560.0#



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: 148.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009109.D

Acq: 12 Mar 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-3-031119

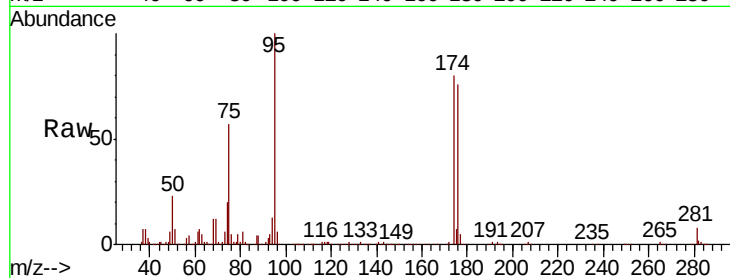
Tgt Ion: 75 Resp: 109988

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.2 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

