

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009108.D
 Acq On : 12 Mar 2019 02:38
 Operator : SY/VA
 Sample : K1847-02
 Misc : 7.37G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-2-031119

Quant Time: Mar 12 08:18:12 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	318455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180164	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	184171	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	157020	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.32	98	610185	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.62	95	192642	38.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.98%	

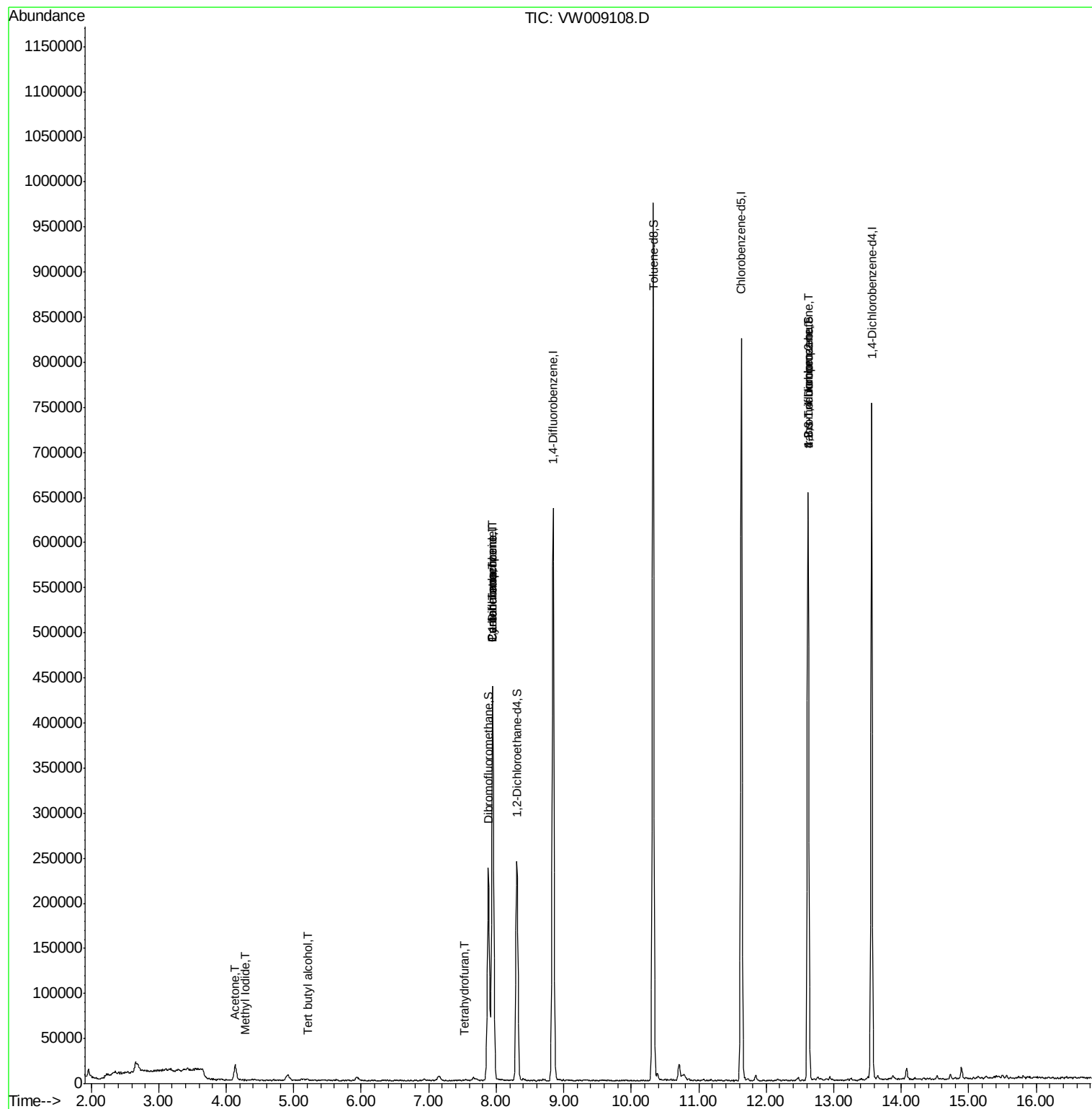
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	48	3.200	ug/l #	85
11) Tert butyl alcohol	5.21	59	3325	13.543	ug/l #	90
16) Acetone	4.13	43	28698	39.693	ug/l	94
20) Methylene Chloride	4.92	84	4479	Below Cal		88
29) Tetrahydrofuran	7.52	42	953	1.513	ug/l #	46
31) Cyclohexane	7.95	56	8101	1.356	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	25412	4.788	ug/l #	49
38) Carbon Tetrachloride	7.95	117	32022	5.842	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	103641	72.810	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	103641	162.857	ug/l #	5

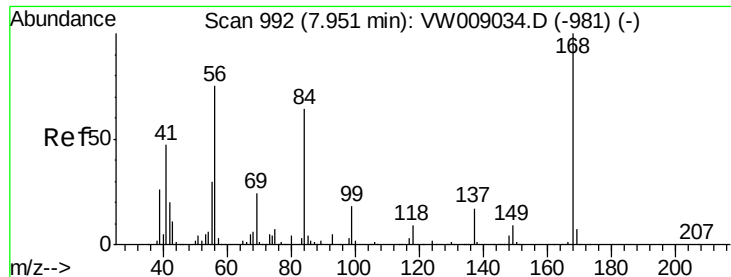
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

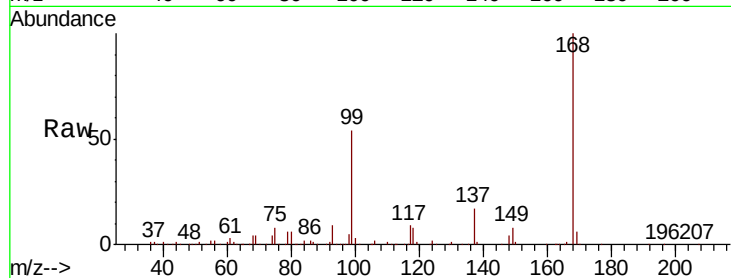
SUP-7B-G-2-031119

Tgt Ion:168 Resp: 318455

Ion Ratio Lower Upper

168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

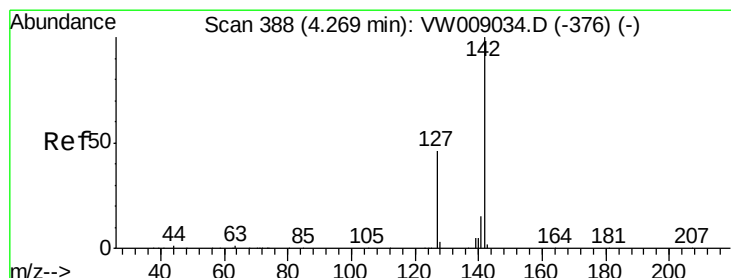
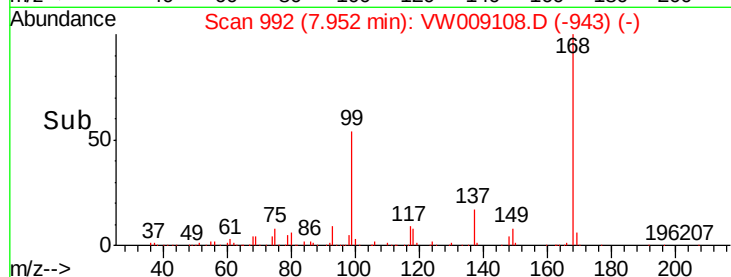
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.200 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

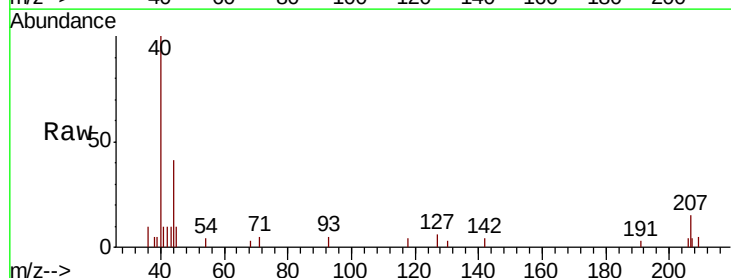
Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

142 100

127 50.0 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

4.28

120

100

80

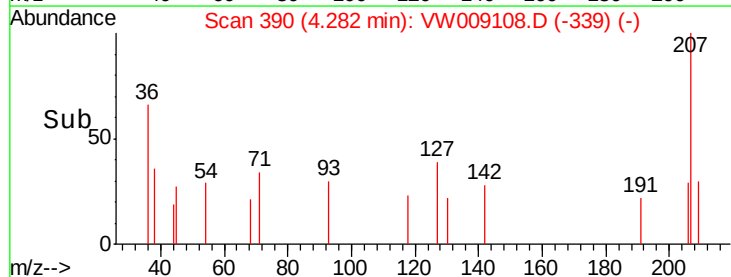
60

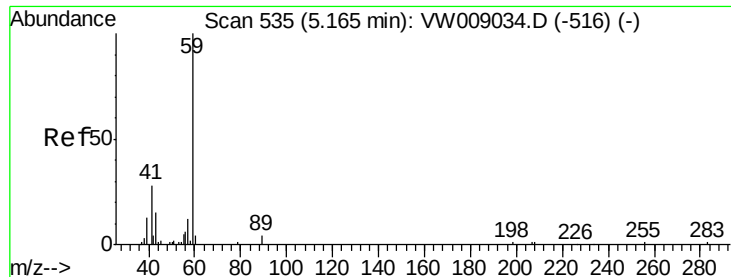
40

20

0

Time-->



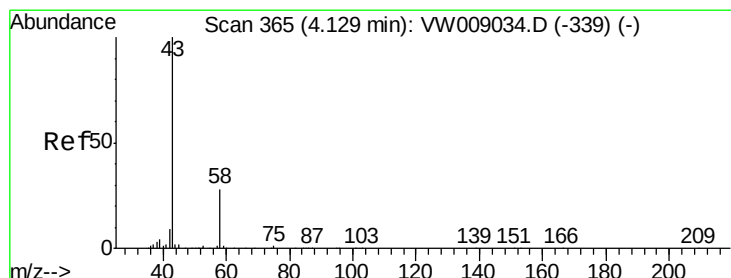
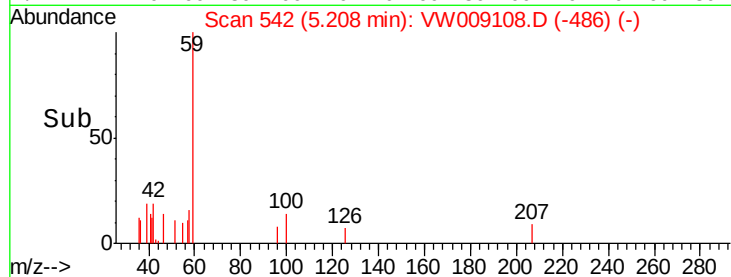
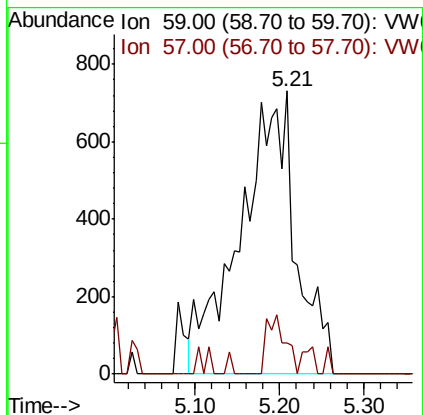
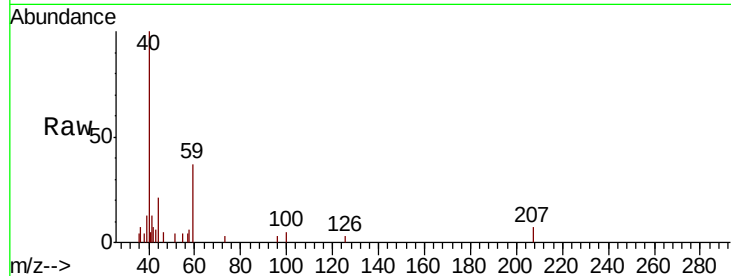


#11

Tert butyl alcohol
 Concen: 13.543 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW009108.D
 Acq: 12 Mar 2019 02:38

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-2-031119

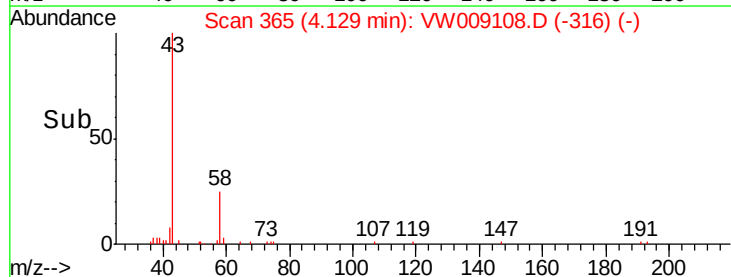
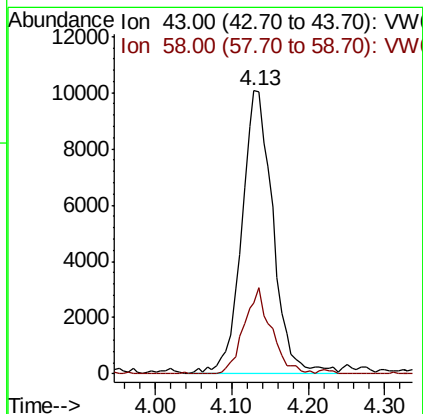
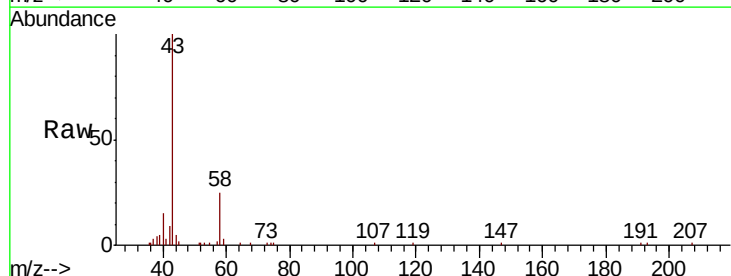
Tgt Ion: 59 Resp: 3325
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.6 12.8#

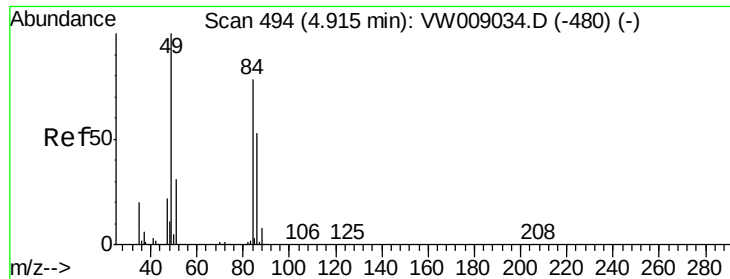


#16

Acetone
 Concen: 39.693 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009108.D
 Acq: 12 Mar 2019 02:38

Tgt Ion: 43 Resp: 28698
 Ion Ratio Lower Upper
 43 100
 58 25.0 22.5 33.7

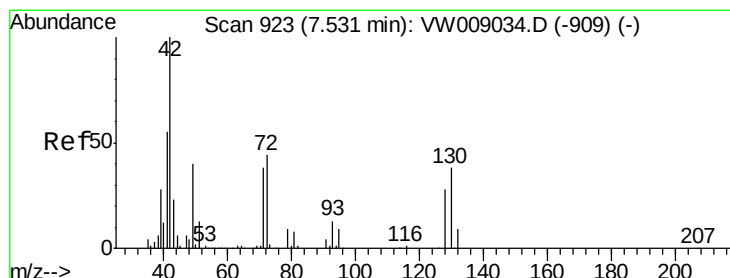
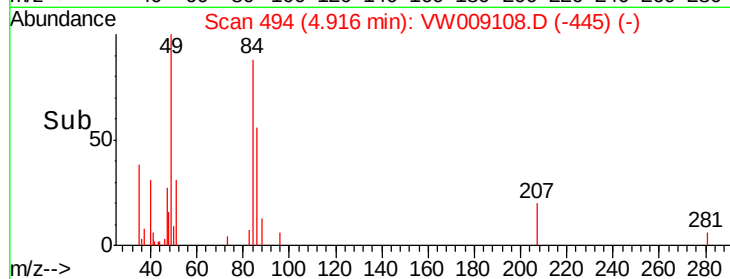
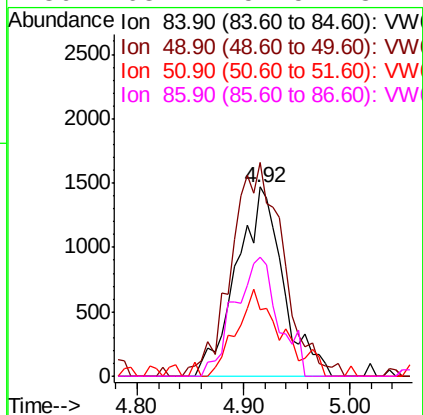
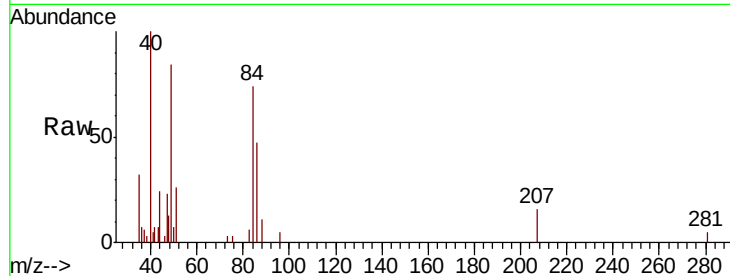




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009108.D
Acq: 12 Mar 2019 02:38

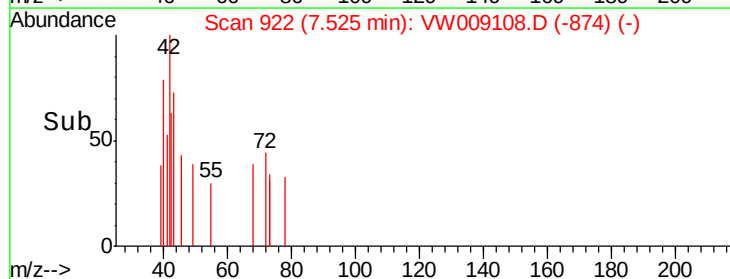
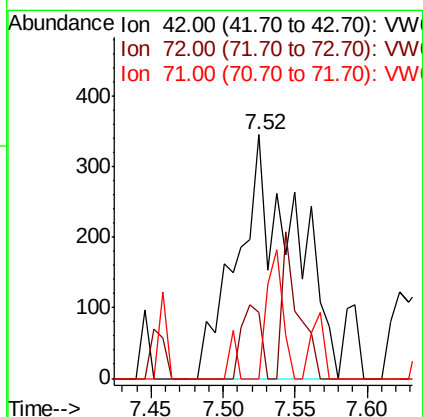
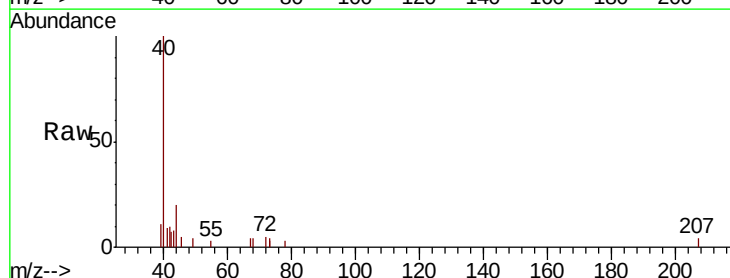
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-2-031119

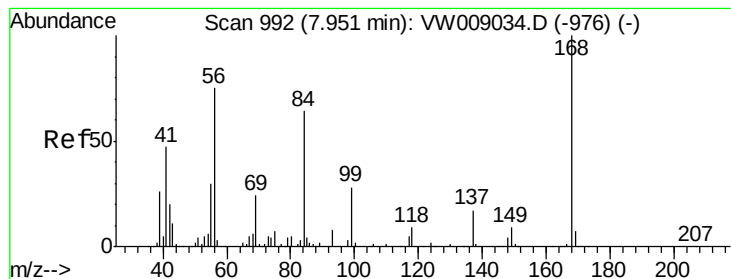
Tgt Ion:	84	Resp:	4479
Ion	Ratio	Lower	Upper
84	100		
49	108.2	102.4	153.6
51	35.5	31.6	47.4
86	63.2	54.5	81.7



#29
Tetrahydrofuran
Concen: 1.513 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009108.D
Acq: 12 Mar 2019 02:38

Tgt Ion:	42	Resp:	953
Ion	Ratio	Lower	Upper
42	100		
72	10.3	32.2	48.4#
71	2.6	30.7	46.1#





#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-2-031119

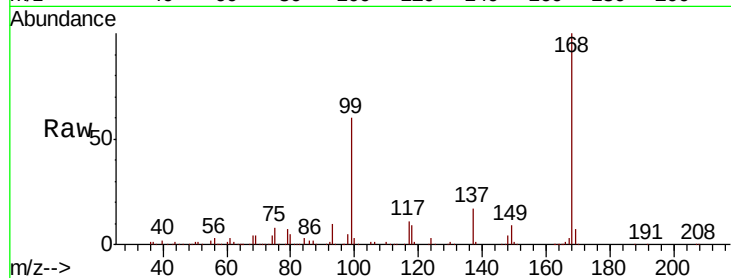
Tgt Ion: 56 Resp: 8101

Ion Ratio Lower Upper

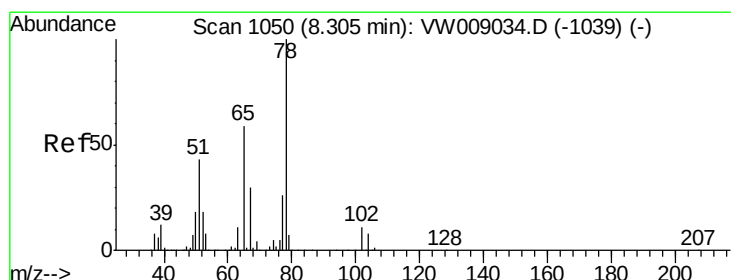
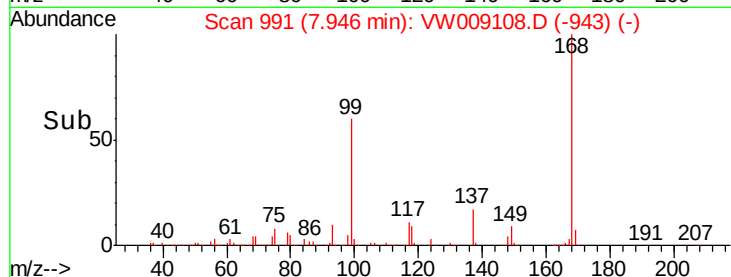
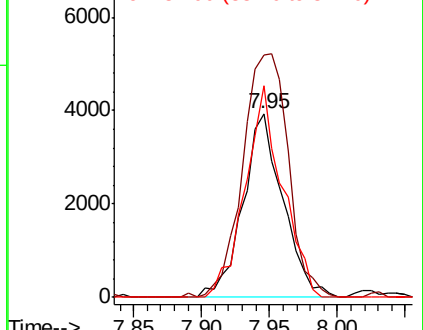
56 100

69 132.0 25.5 38.3#

84 115.3 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: 57.482 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009108.D

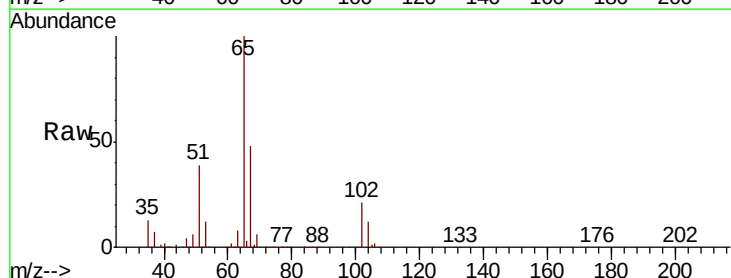
Acq: 12 Mar 2019 02:38

Tgt Ion: 65 Resp: 184171

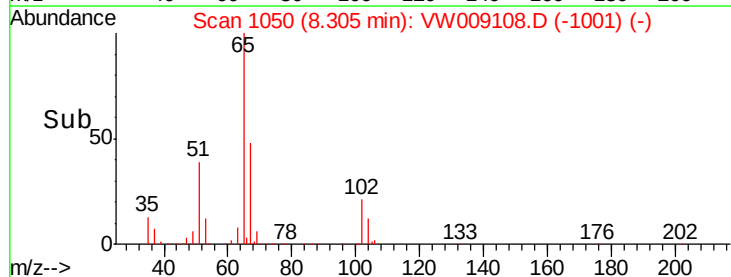
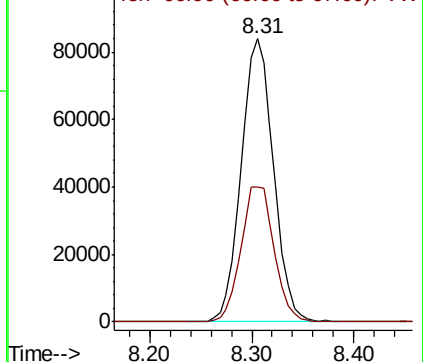
Ion Ratio Lower Upper

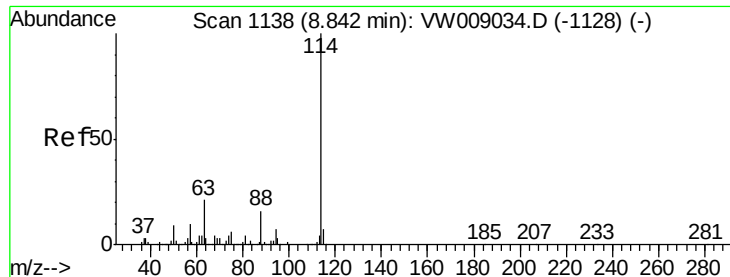
65 100

67 49.5 0.0 103.0



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

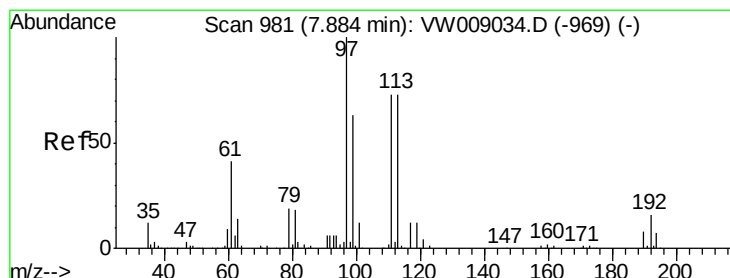
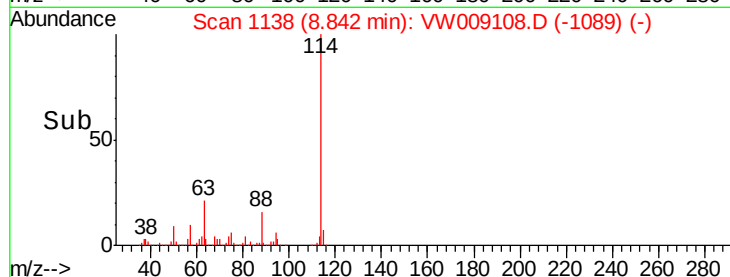
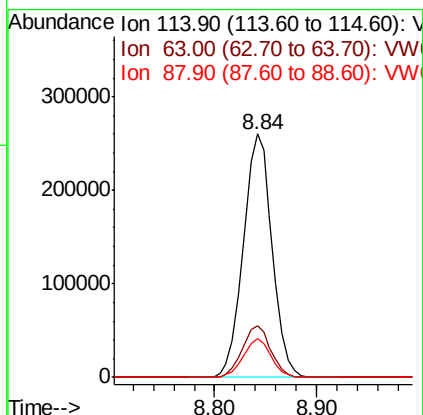
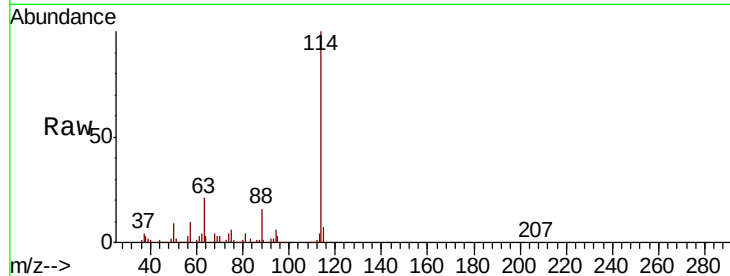




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009108.D
Acq: 12 Mar 2019 02:38

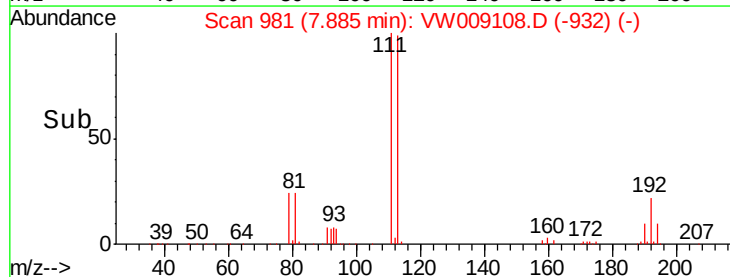
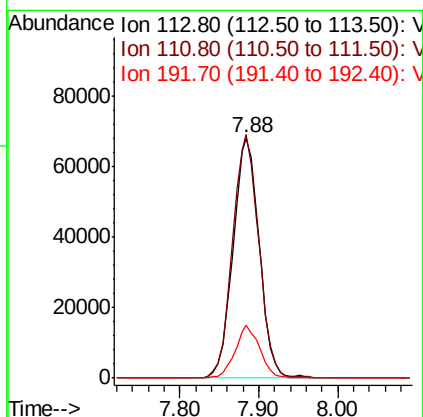
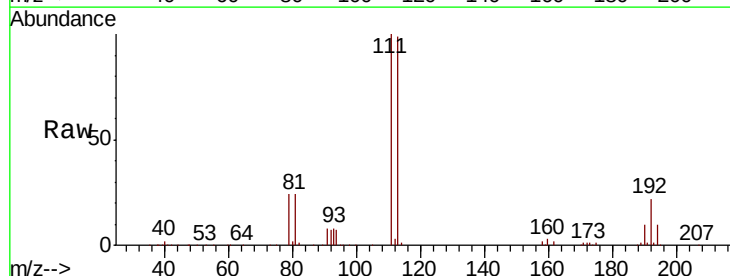
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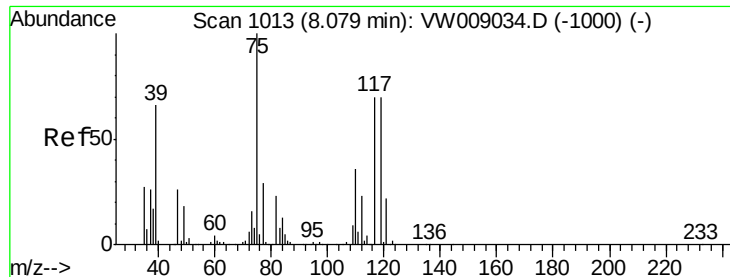
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.2
88	16.0	0.0	31.2



#35
Dibromofluoromethane
Concen: 51.379 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009108.D
Acq: 12 Mar 2019 02:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	20.6	17.1	25.7

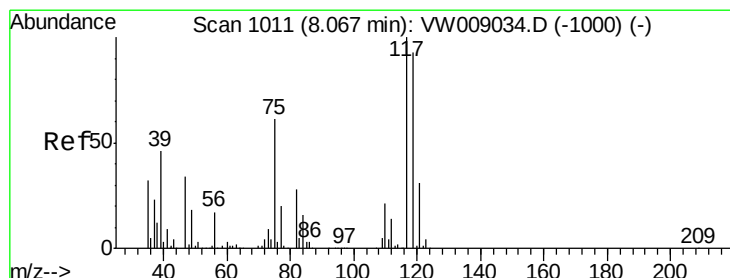
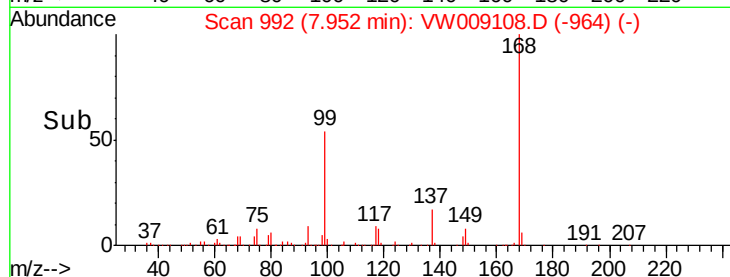
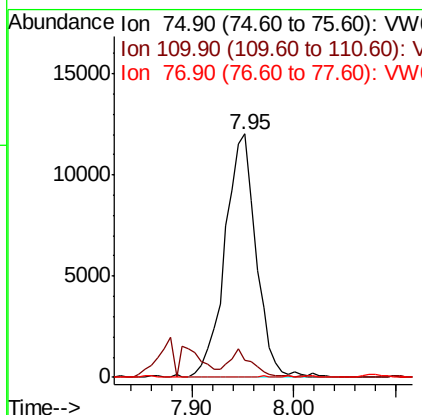
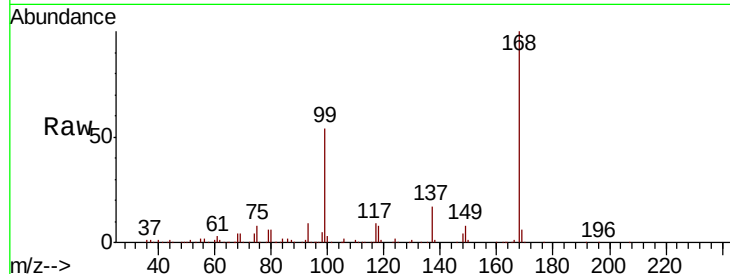




#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009108.D
 Acq: 12 Mar 2019 02:38

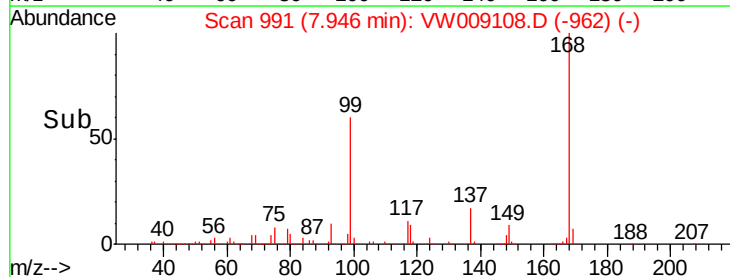
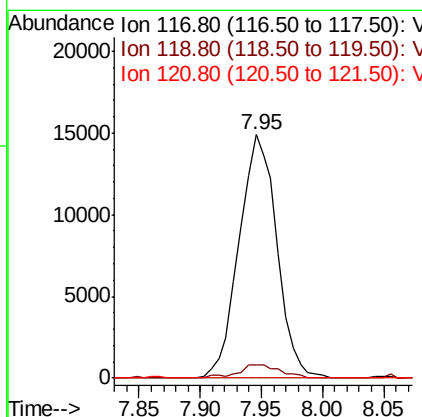
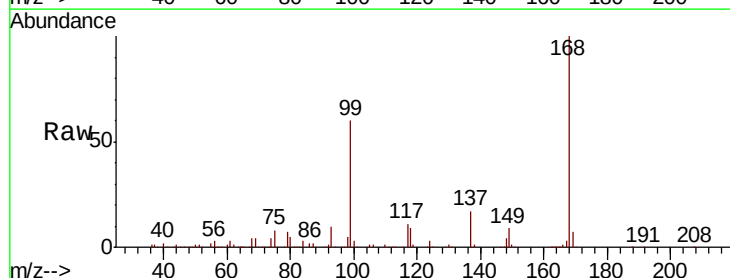
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 SUP-7B-G-2-031119

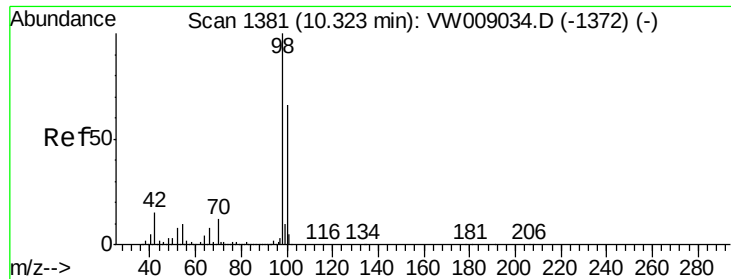
Tgt Ion: 75 Resp: 25412
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.6 52.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.842 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009108.D
 Acq: 12 Mar 2019 02:38

Tgt Ion: 117 Resp: 32022
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.6 112.0#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 48.613 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

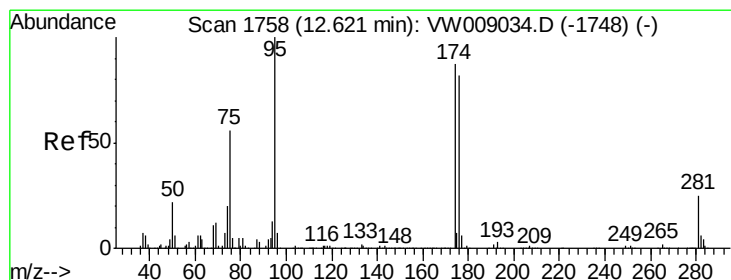
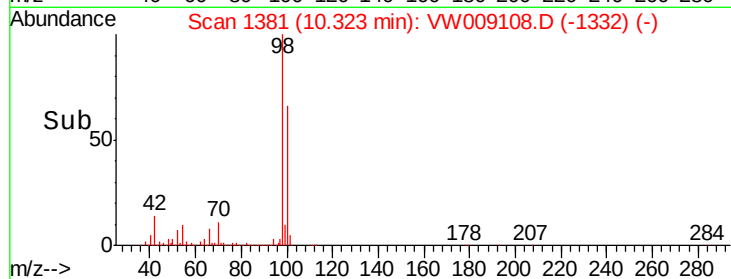
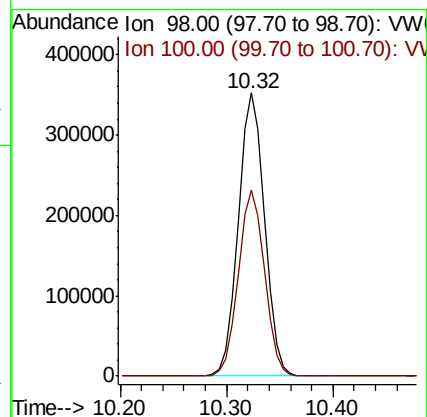
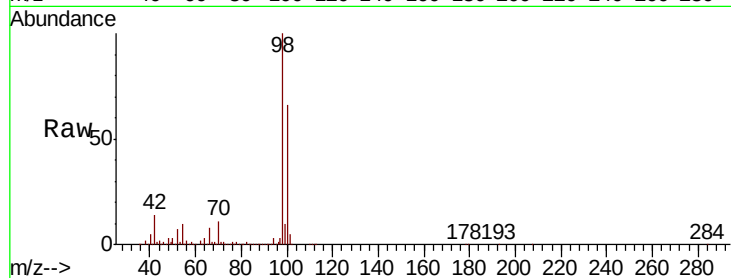
SUP-7B-G-2-031119

Tgt Ion: 98 Resp: 610185

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 38.987 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

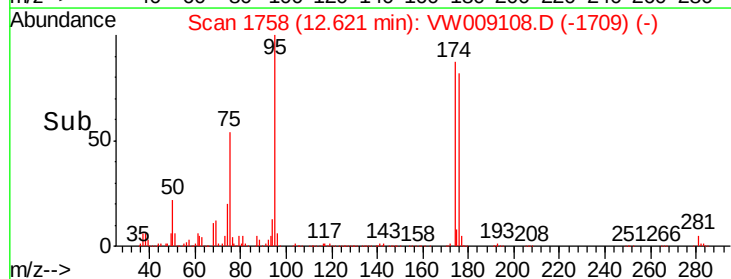
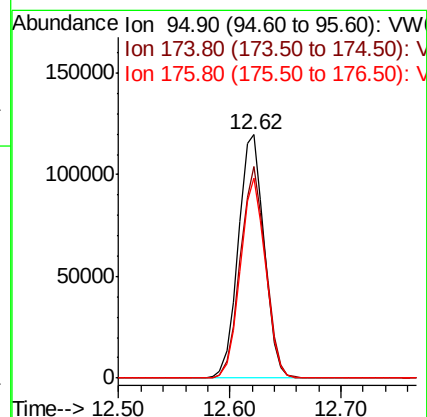
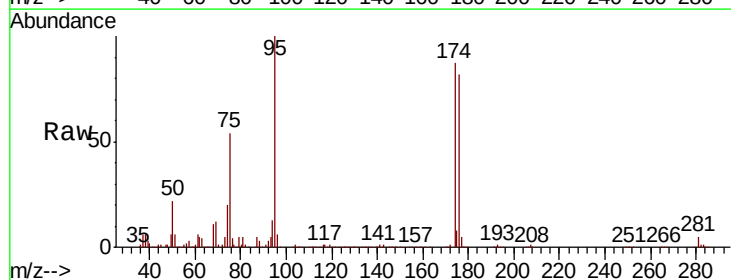
Tgt Ion: 95 Resp: 192642

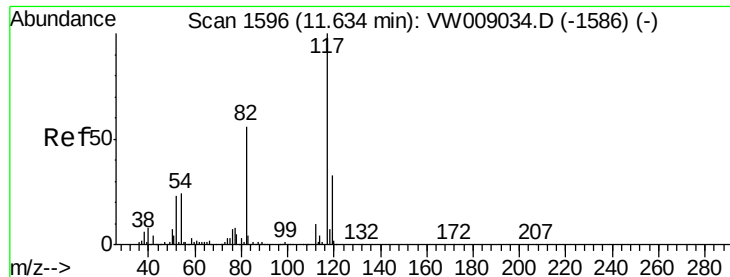
Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.0

176 79.8 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: VW009108.D

Acq: 12 Mar 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-2-031119

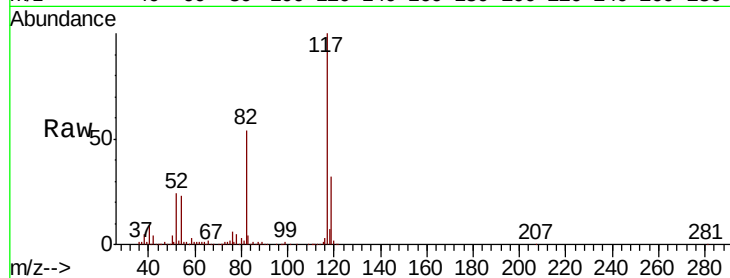
Tgt Ion:117 Resp: 439271

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

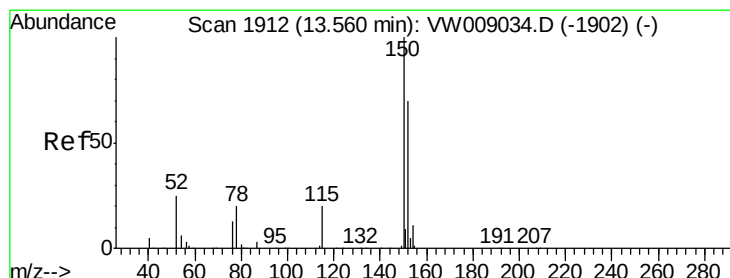
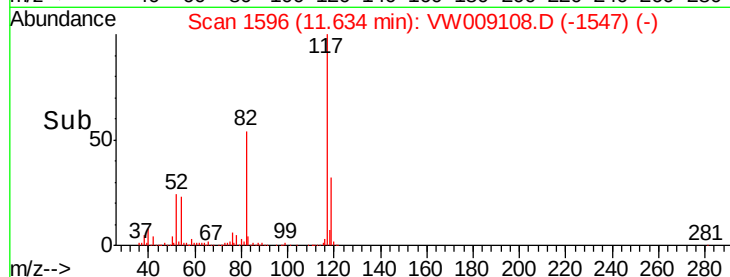
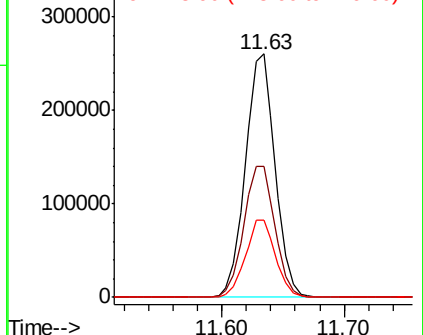
119 31.5 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

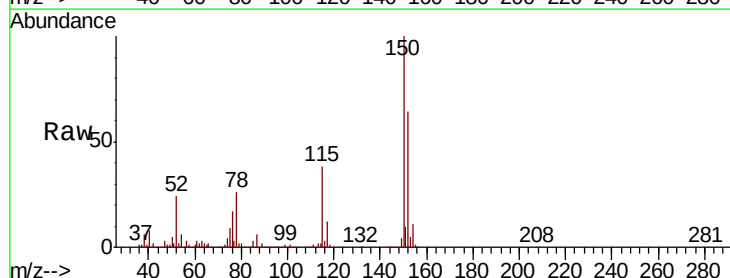
Tgt Ion:152 Resp: 180164

Ion Ratio Lower Upper

152 100

115 60.6 28.9 86.7

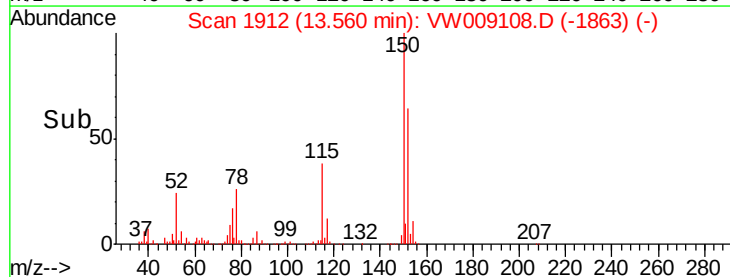
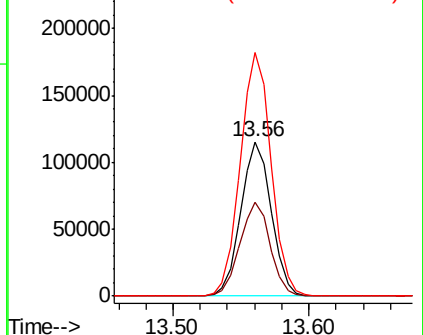
150 159.4 0.0 349.2

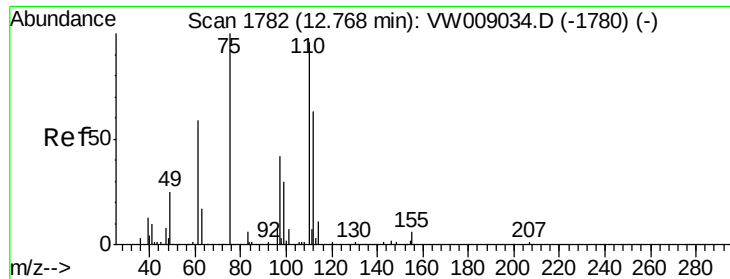


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.810 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

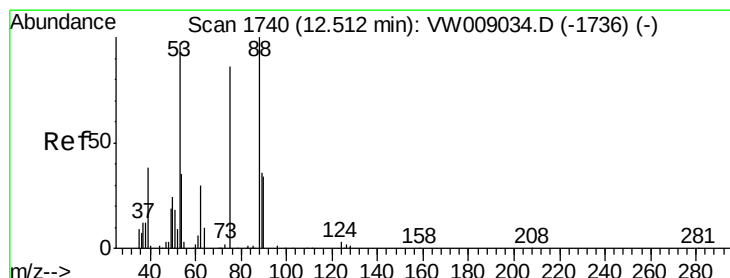
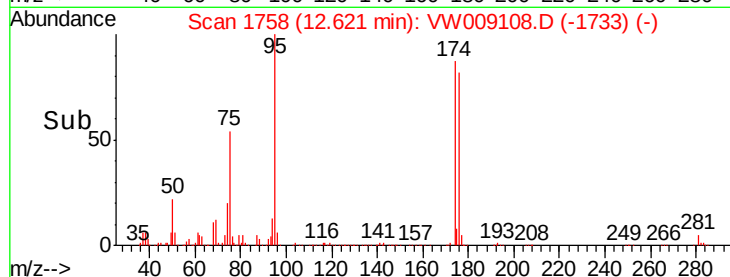
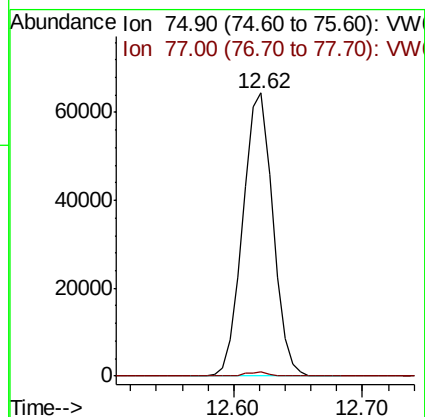
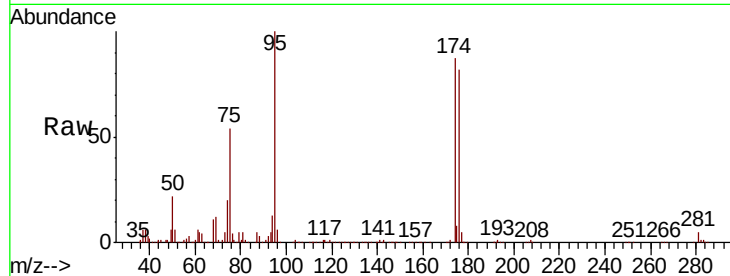
SUP-7B-G-2-031119

Tgt Ion: 75 Resp: 103641

Ion Ratio Lower Upper

75 100

77 1.5 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 162.857 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009108.D

Acq: 12 Mar 2019 02:38

Tgt Ion: 75 Resp: 103641

Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.2 37.5 56.3#

