

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009114.D
 Acq On : 12 Mar 2019 05:18
 Operator : SY/VA
 Sample : K1847-08
 Misc : 6.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-8-031119

Quant Time: Mar 12 08:20:03 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	291756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	477785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	167625	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.88	113	144295	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.32	98	567082	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.62	95	177610	38.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.38%	

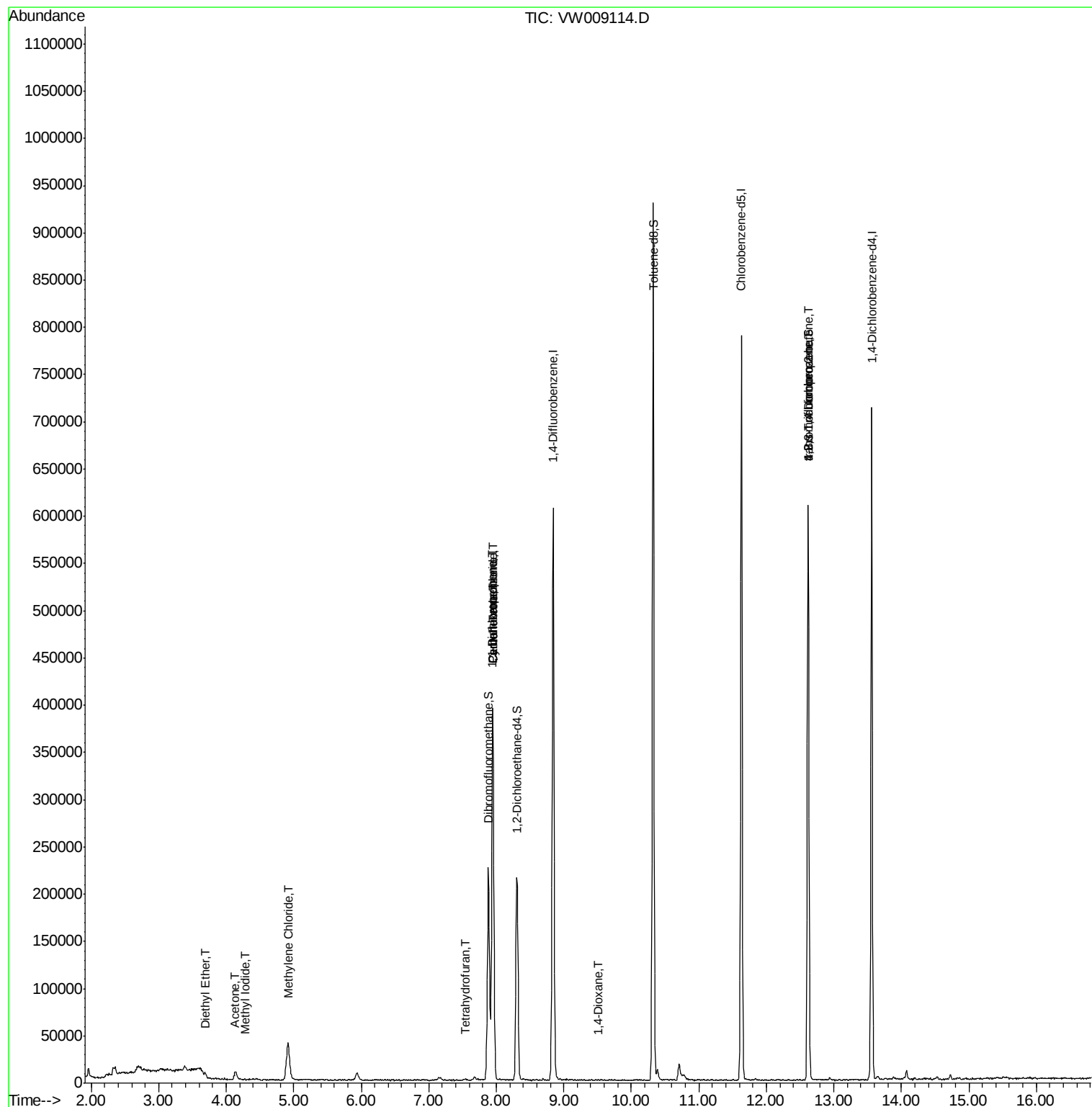
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2755	1.846	ug/l	85
10) Methyl Iodide	4.28	142	19	3.193	ug/l #	40
16) Acetone	4.13	43	13918	21.012	ug/l #	87
20) Methylene Chloride	4.92	84	30393	4.855	ug/l	95
29) Tetrahydrofuran	7.54	42	636	1.102	ug/l #	88
31) Cyclohexane	7.95	56	7171	1.310	ug/l #	27
36) 1,1-Dichloropropene	7.94	75	23699	4.744	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28433	5.511	ug/l #	18
49) 1,4-Dioxane	9.51	88	31	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	96211	71.855	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	96211	160.722	ug/l #	5

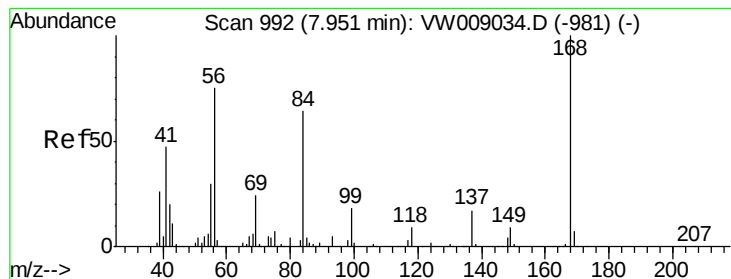
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 992

Delta R.T. -0.00 min

Lab File: VW009114.D

Acq: 12 Mar 2019 05:18

Instrument :

MSVOA_W

ClientSampleId :

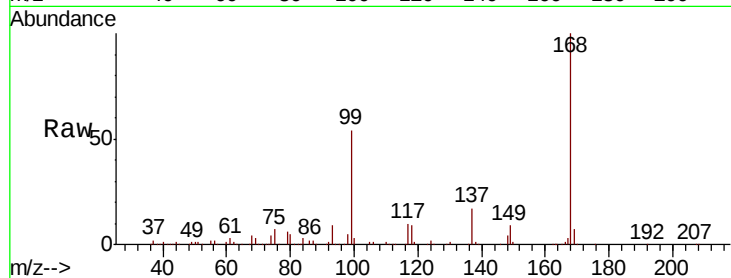
SUP-7B-G-8-031119

Tgt Ion:168 Resp: 291756

Ion Ratio Lower Upper

168 100

99 54.5 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

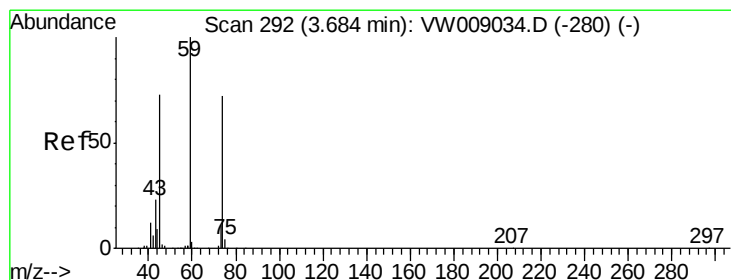
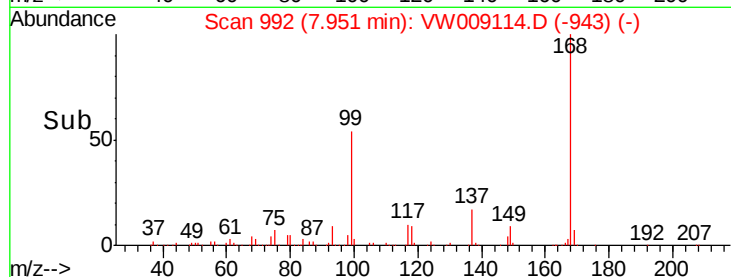
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.846 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW009114.D

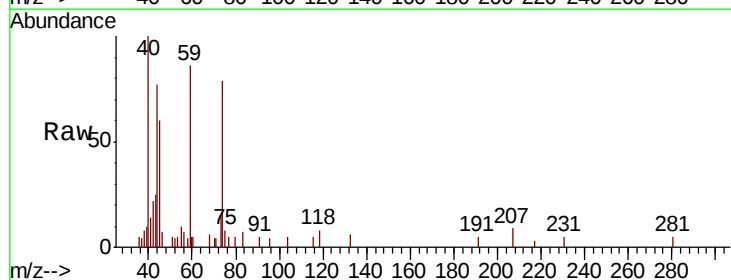
Acq: 12 Mar 2019 05:18

Tgt Ion: 74 Resp: 2755

Ion Ratio Lower Upper

74 100

45 89.7 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

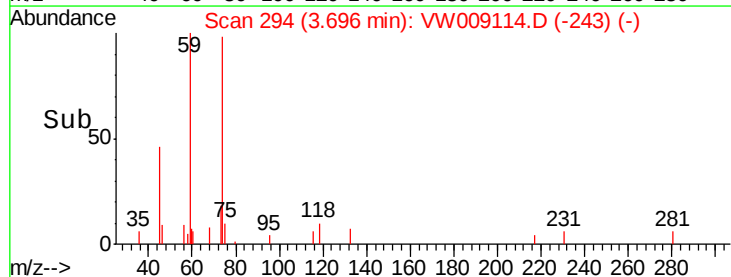
1500

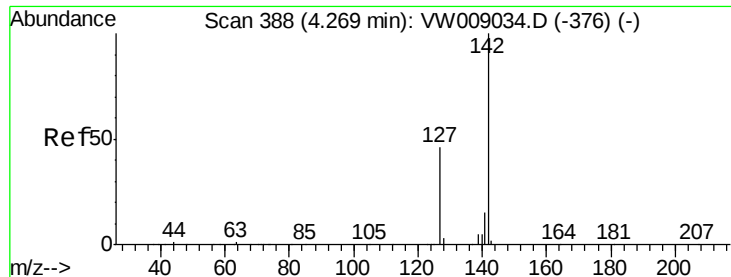
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#10

Methyl Iodide

Concen: 3.193 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009114.D

Acq: 12 Mar 2019 05:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-8-031119

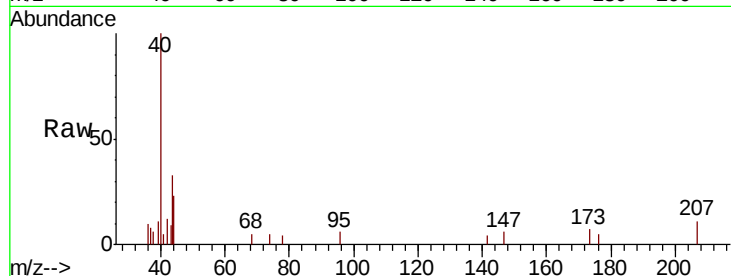
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

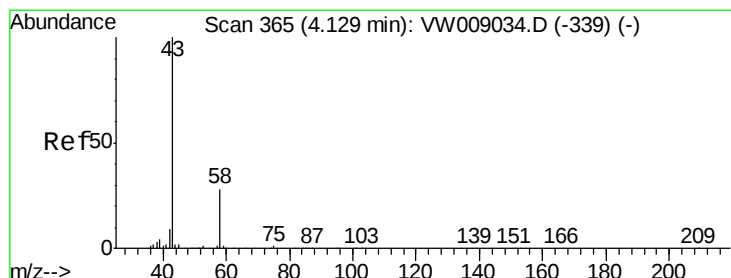
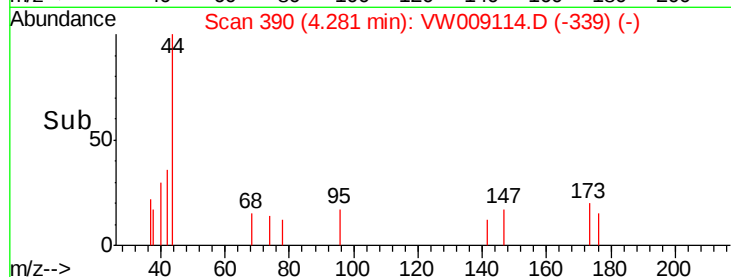
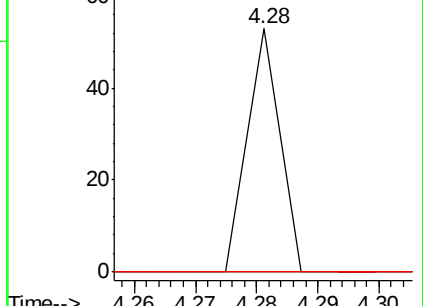
141 0.0 11.8 17.8#



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: 21.012 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009114.D

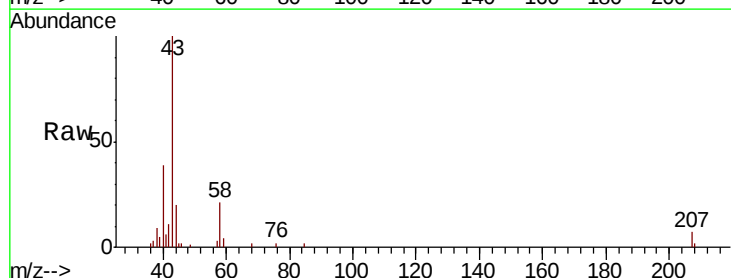
Acq: 12 Mar 2019 05:18

Tgt Ion: 43 Resp: 13918

Ion Ratio Lower Upper

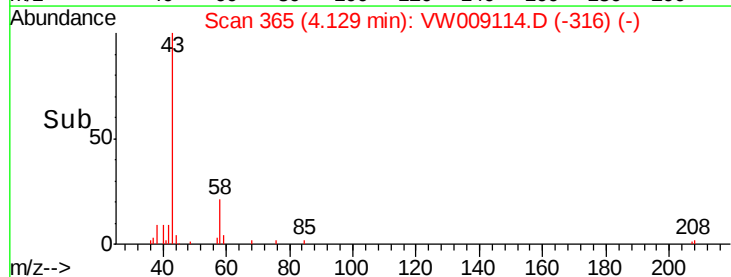
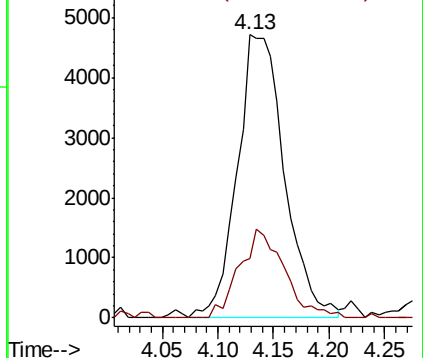
43 100

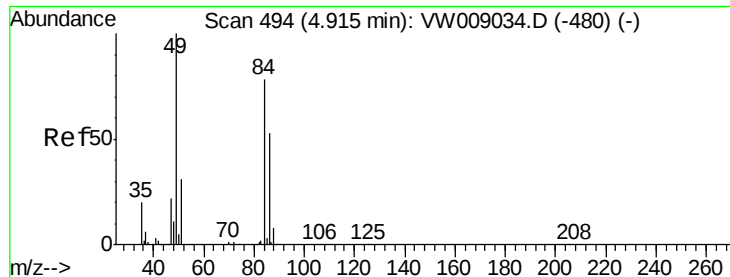
58 21.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

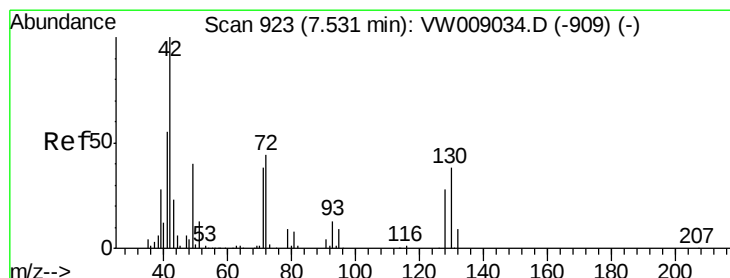
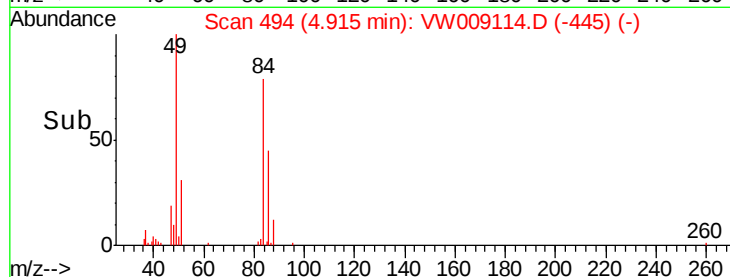
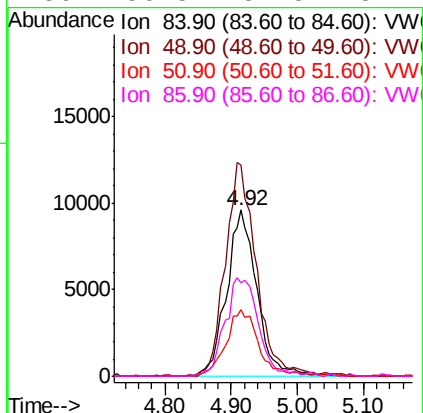
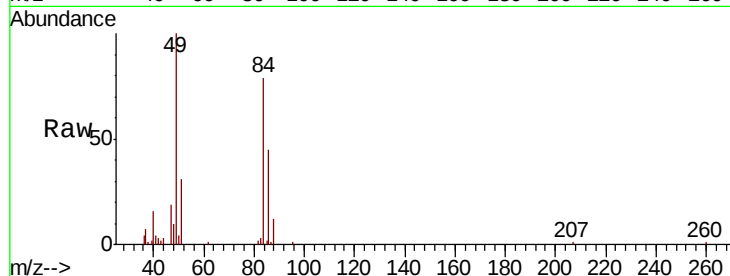




#20
Methylene Chloride
Concen: 4.855 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

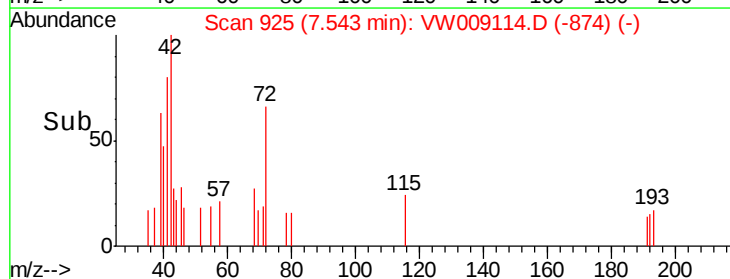
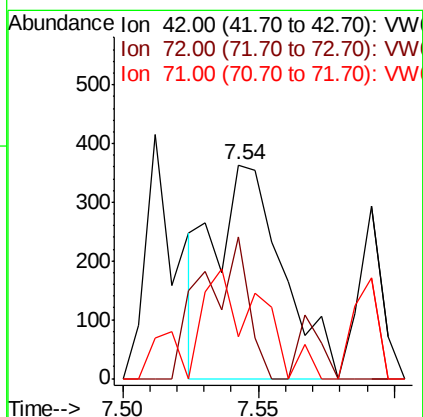
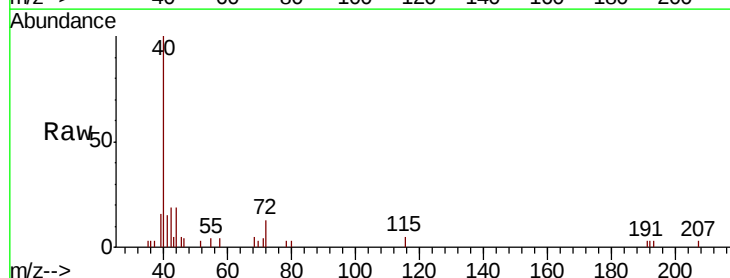
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-8-031119

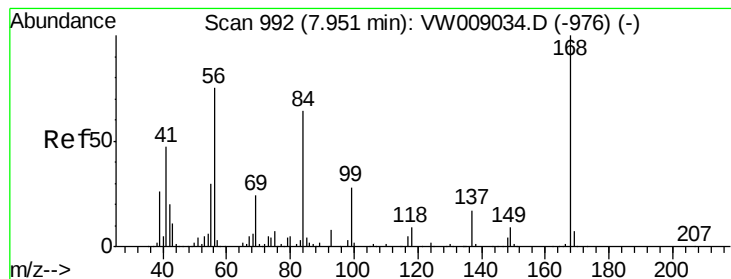
Tgt Ion:	84	Resp:	30393
Ion	Ratio	Lower	Upper
84	100		
49	126.3	102.4	153.6
51	39.4	31.6	47.4
86	56.5	54.5	81.7



#29
Tetrahydrofuran
Concen: 1.102 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

Tgt Ion:	42	Resp:	636
Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.2	48.4
71	50.2	30.7	46.1#





#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009114.D

Acq: 12 Mar 2019 05:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-8-031119

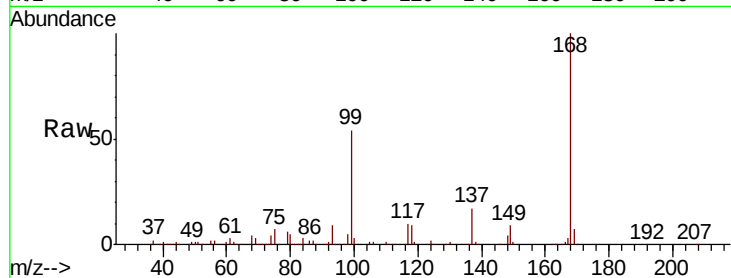
Tgt Ion: 56 Resp: 7171

Ion Ratio Lower Upper

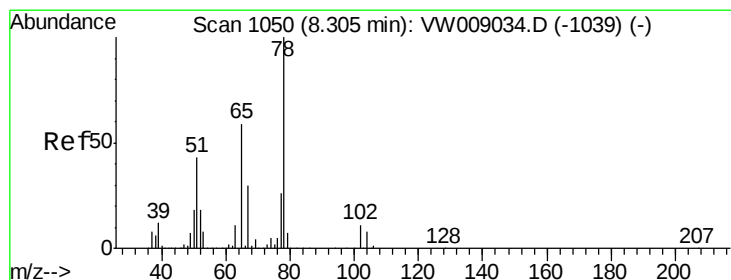
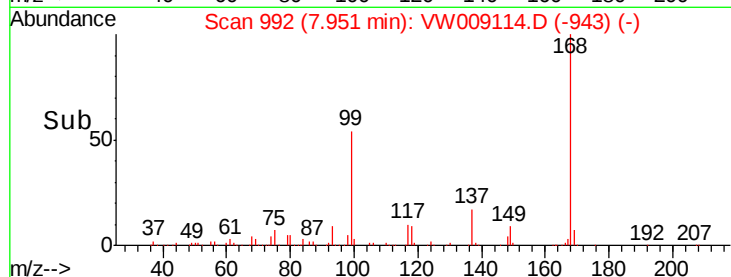
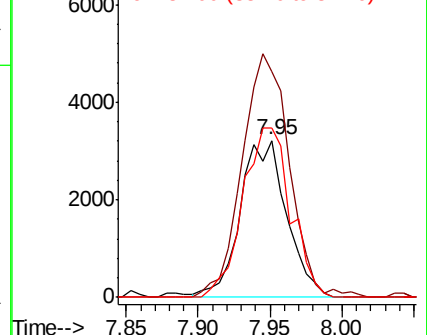
56 100

69 144.3 25.5 38.3#

84 108.5 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: 57.106 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009114.D

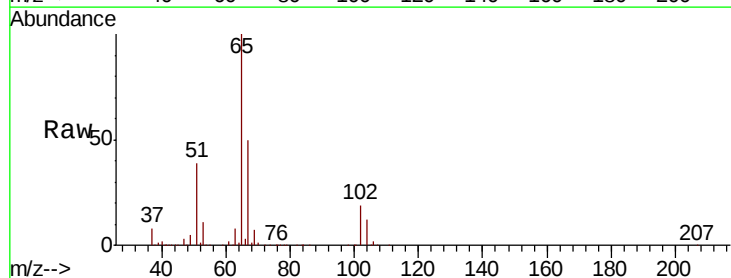
Acq: 12 Mar 2019 05:18

Tgt Ion: 65 Resp: 167625

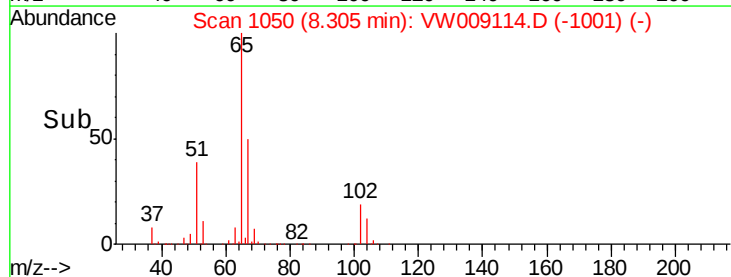
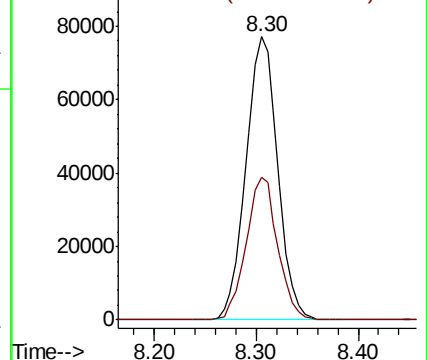
Ion Ratio Lower Upper

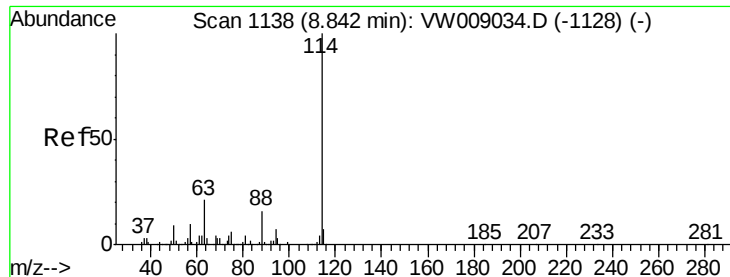
65 100

67 49.8 0.0 103.0



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

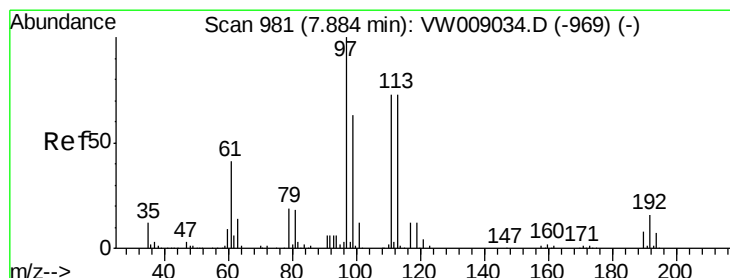
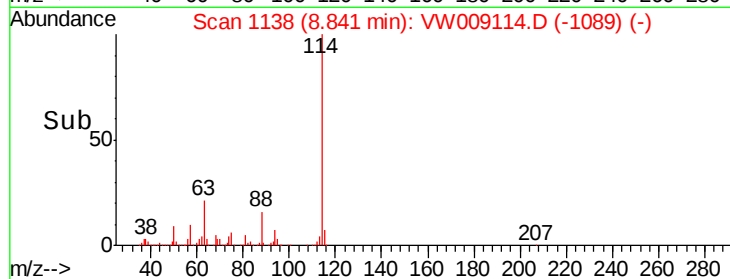
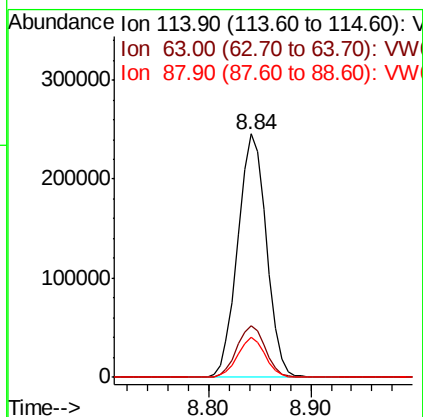
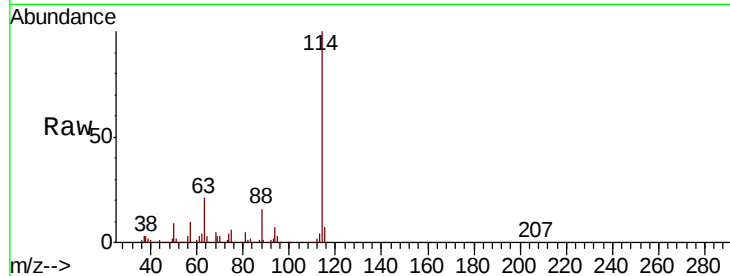




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009114.D
 Acq: 12 Mar 2019 05:18

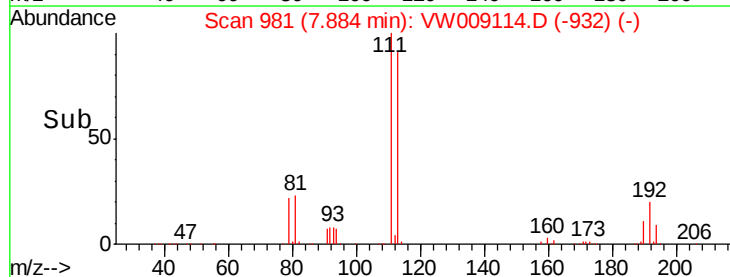
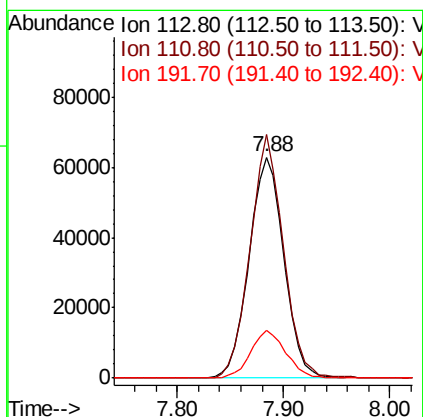
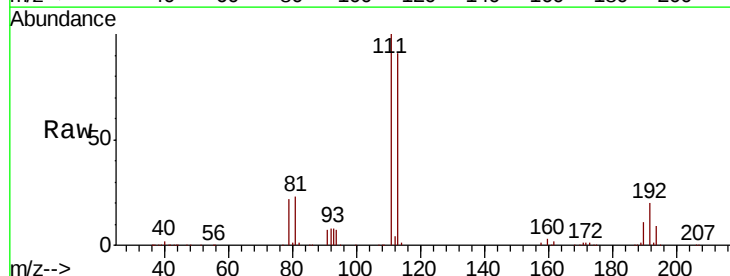
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-8-031119

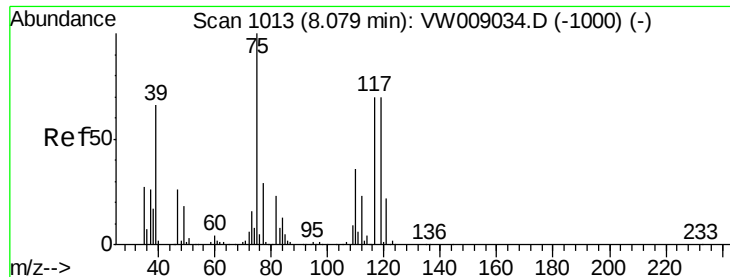
Tgt Ion:114 Resp: 477785
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.2
 88 16.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 50.160 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009114.D
 Acq: 12 Mar 2019 05:18

Tgt Ion:113 Resp: 144295
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.0 121.4
 192 21.6 17.1 25.7

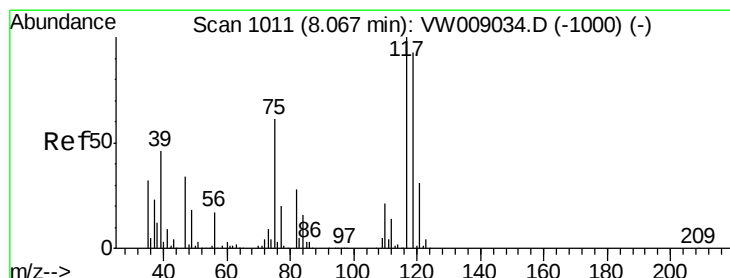
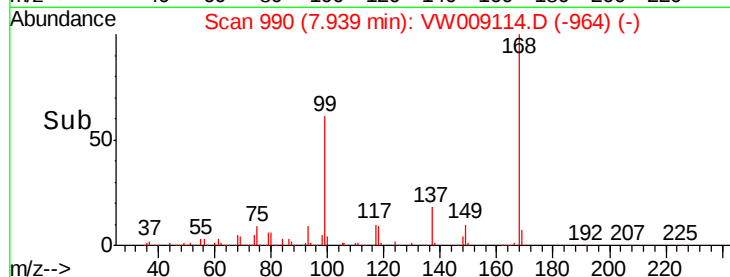
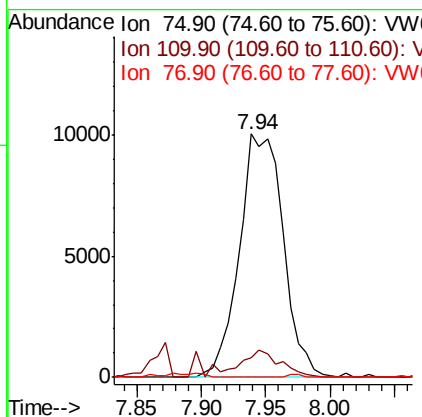
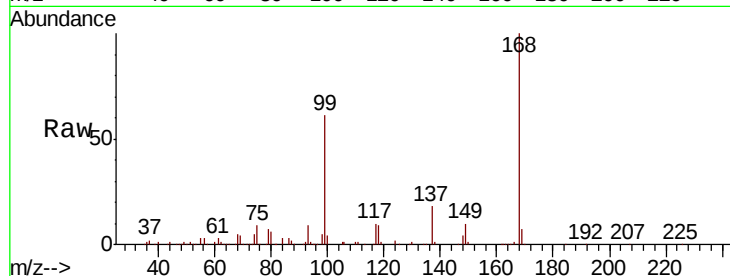




#36
 1,1-Dichloropropene
 Concen: 4.744 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW009114.D
 Acq: 12 Mar 2019 05:18

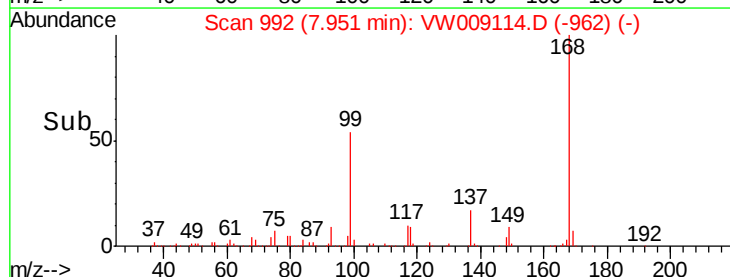
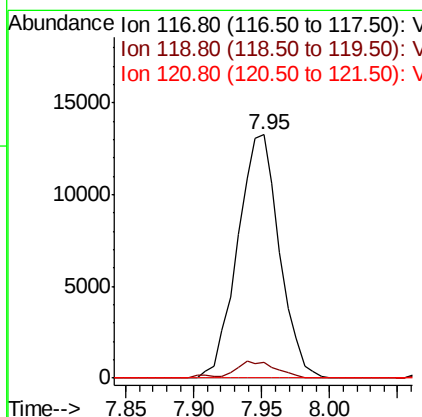
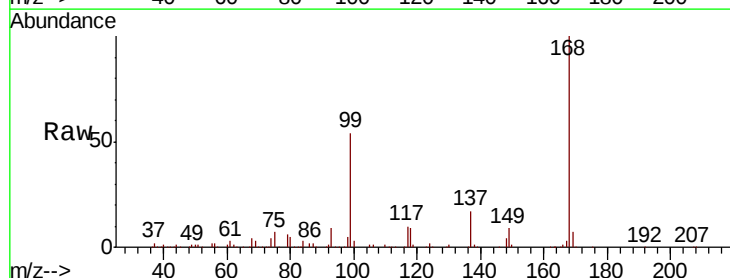
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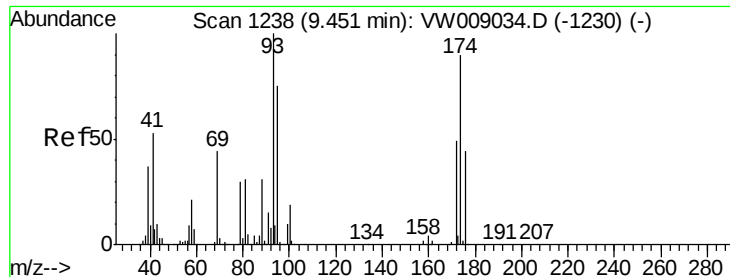
Tgt Ion: 75 Resp: 23699
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.6 52.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.511 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009114.D
 Acq: 12 Mar 2019 05:18

Tgt Ion: 117 Resp: 28433
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.187 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.05 min

Lab File: VW009114.D

Acq: 12 Mar 2019 05:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-8-031119

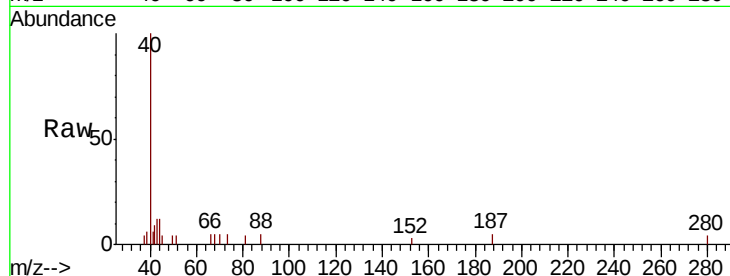
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 954.8 29.0 43.4#

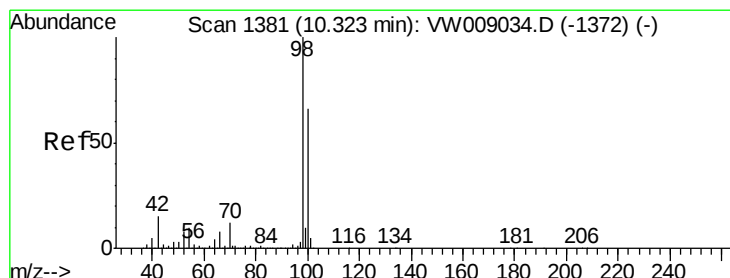
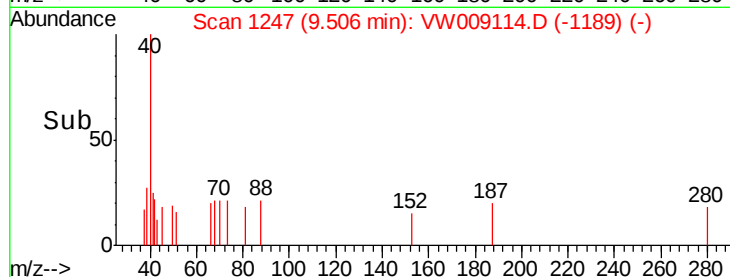
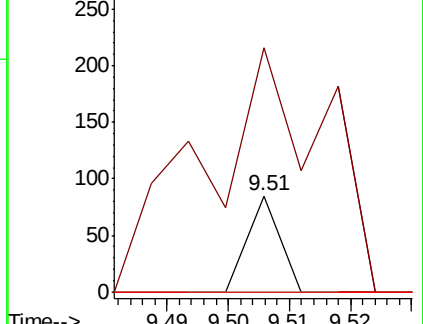
58 0.0 59.2 88.8#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.997 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009114.D

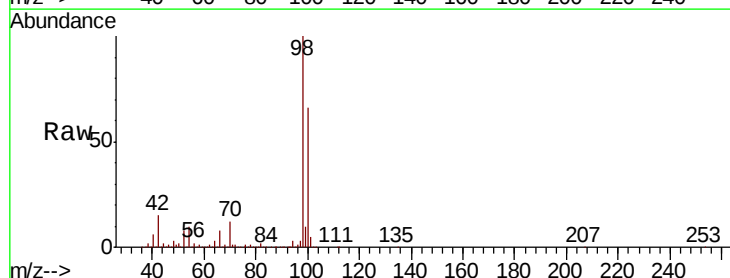
Acq: 12 Mar 2019 05:18

Tgt Ion: 98 Resp: 567082

Ion Ratio Lower Upper

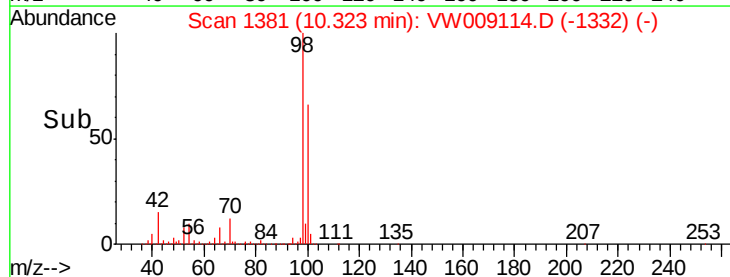
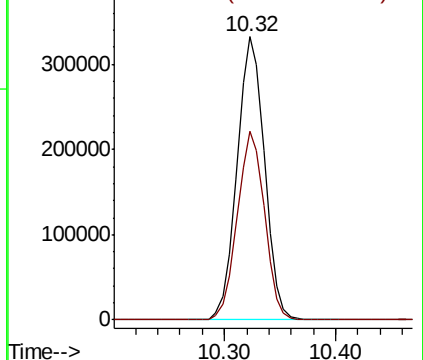
98 100

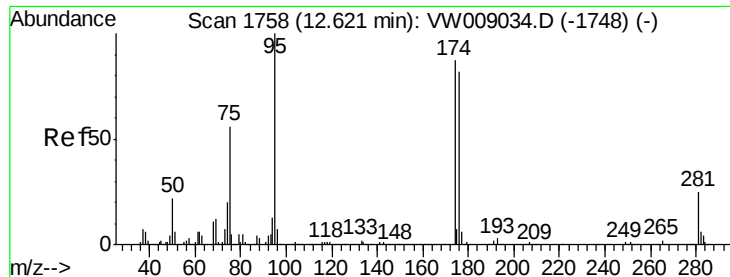
100 66.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

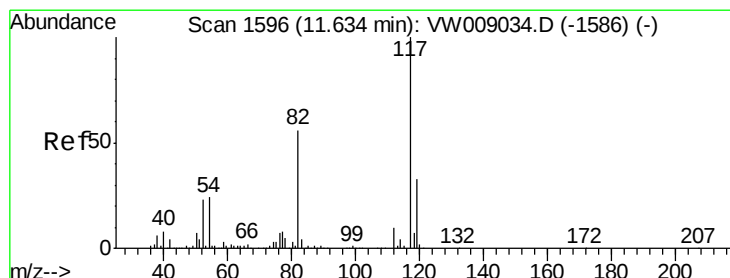
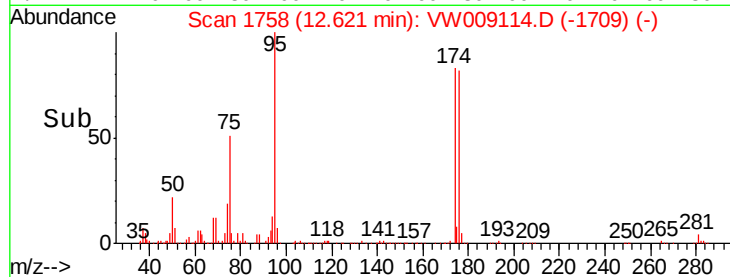
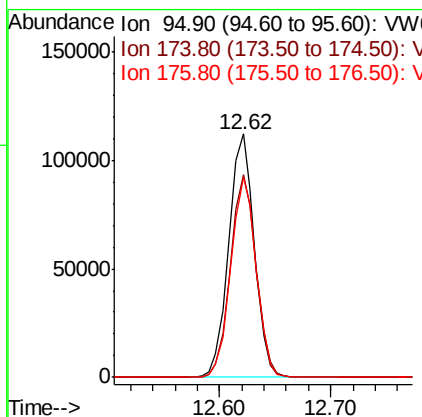
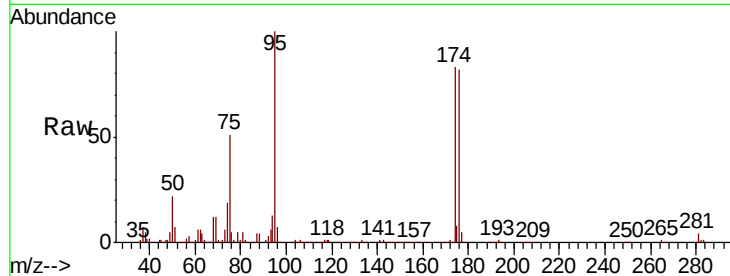




#62
4-Bromofluorobenzene
Concen: 38.187 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

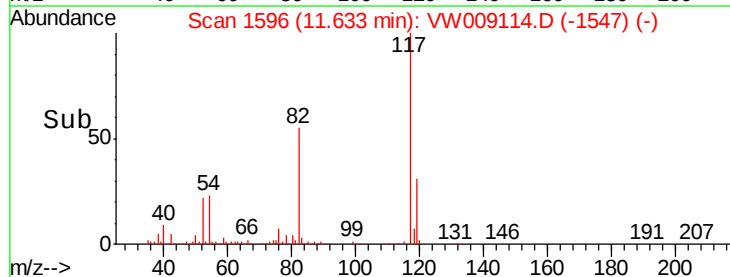
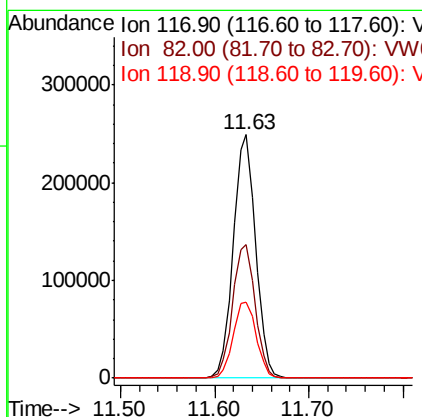
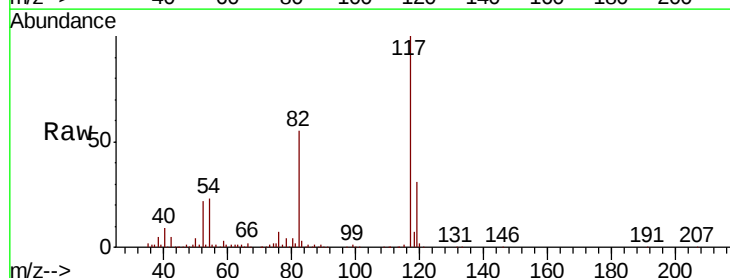
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-8-031119

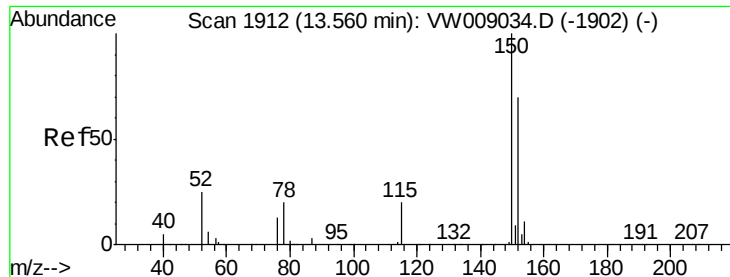
Tgt Ion: 95 Resp: 177610
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.0
176 81.6 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

Tgt Ion: 117 Resp: 410073
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 31.4 26.6 39.8



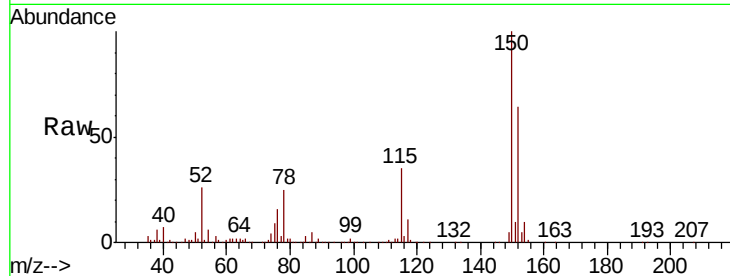


#72

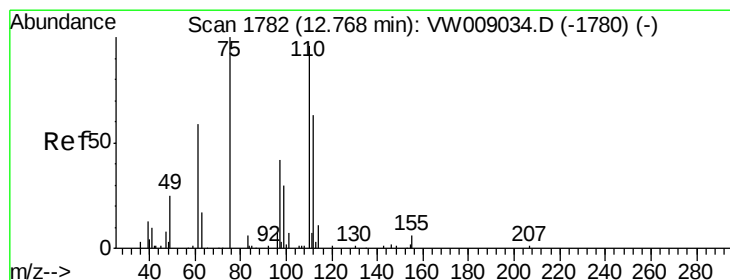
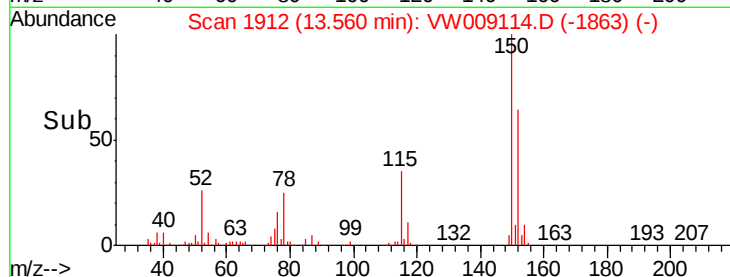
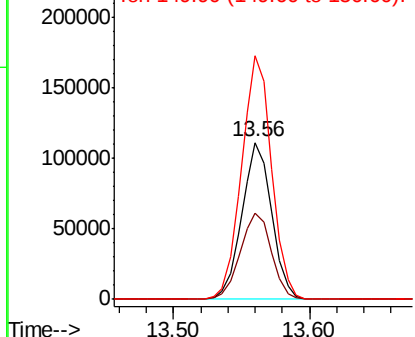
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-8-031119

Tgt Ion:152 Resp: 169470
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.6 0.0 349.2



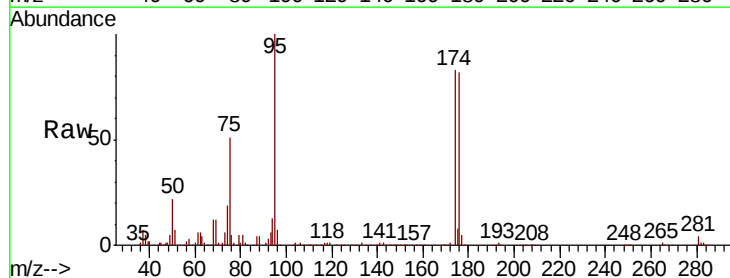
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



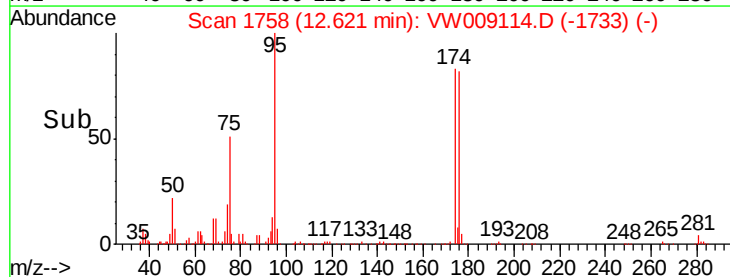
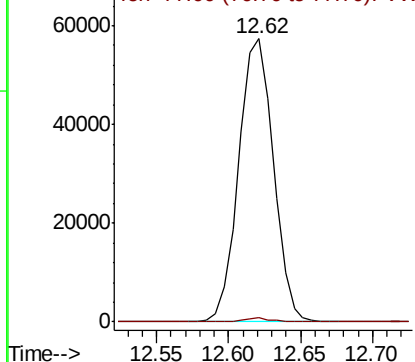
#76

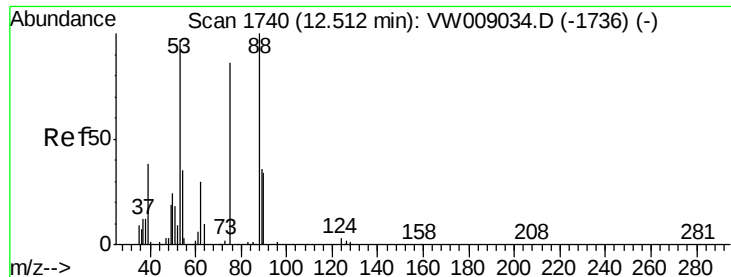
1,2,3-Trichloropropane
Concen: 71.855 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009114.D
Acq: 12 Mar 2019 05:18

Tgt Ion: 75 Resp: 96211
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: 160.722 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009114.D

Acq: 12 Mar 2019 05:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-8-031119

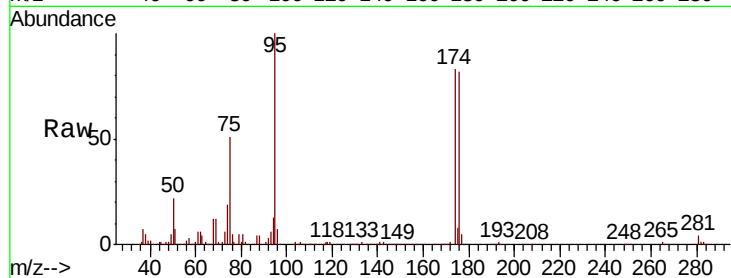
Tgt Ion: 75 Resp: 96211

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.1 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

