

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009112.D
 Acq On : 12 Mar 2019 04:25
 Operator : SY/VA
 Sample : K1847-06
 Misc : 6.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-6-031119

Quant Time: Mar 12 08:19:22 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	301668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175492	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	170625	56.22	ug/l	0.00
Spiked Amount						
			Recovery	=	112.44%	
35) Dibromofluoromethane	7.88	113	147030	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
50) Toluene-d8	10.32	98	583876	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.62	95	179353	38.11	ug/l	0.00
Spiked Amount						
			Recovery	=	76.22%	

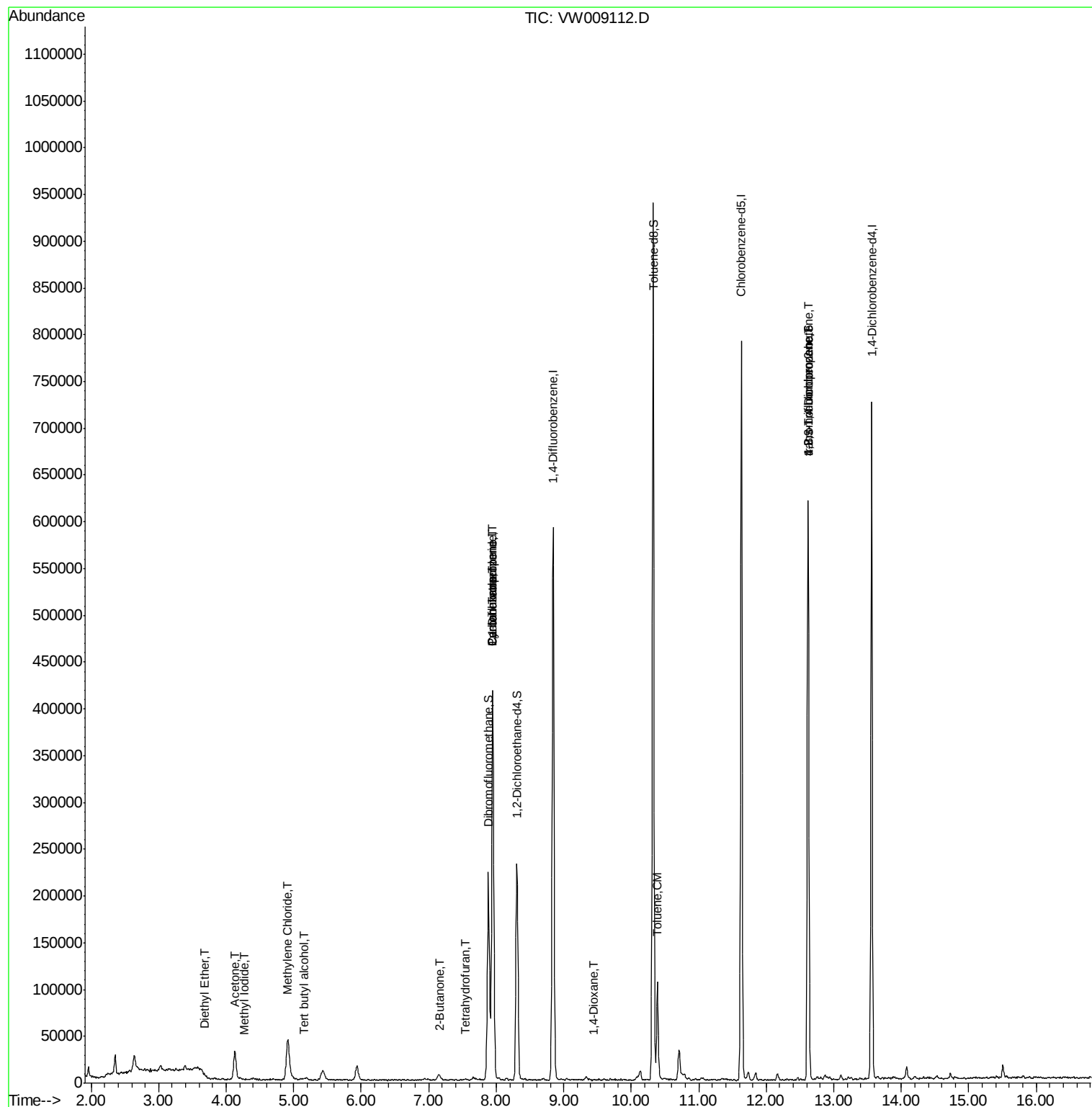
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1665	1.079	ug/l	72
10) Methyl Iodide	4.28	142	26	3.195	ug/l #	50
11) Tert butyl alcohol	5.15	59	2011	8.647	ug/l	100
16) Acetone	4.12	43	54260	79.224	ug/l	98
20) Methylene Chloride	4.92	84	33227	5.482	ug/l	93
25) 2-Butanone	7.17	43	2155	2.277	ug/l #	89
29) Tetrahydrofuran	7.55	42	892	1.495	ug/l #	65
31) Cyclohexane	7.95	56	8062	1.424	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	25122	4.970	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30297	5.804	ug/l #	19
49) 1,4-Dioxane	9.45	88	72	2.724	ug/l #	40
52) Toluene	10.39	92	42441	4.638	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	98135	70.777	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	98135	158.310	ug/l #	5

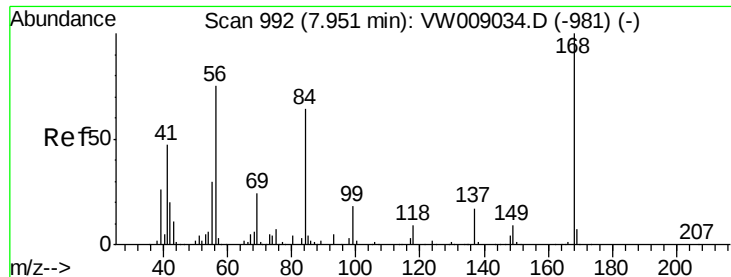
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

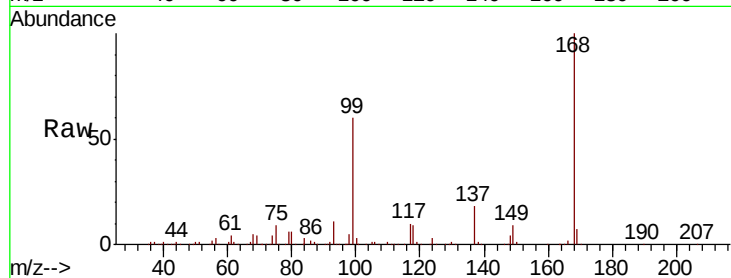
SUP-7B-G-6-031119

Tgt Ion:168 Resp: 301668

Ion Ratio Lower Upper

168 100

99 60.1 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

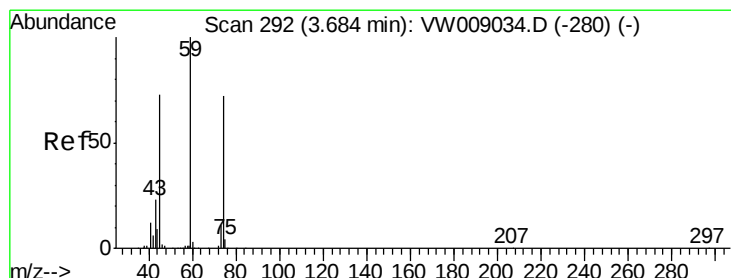
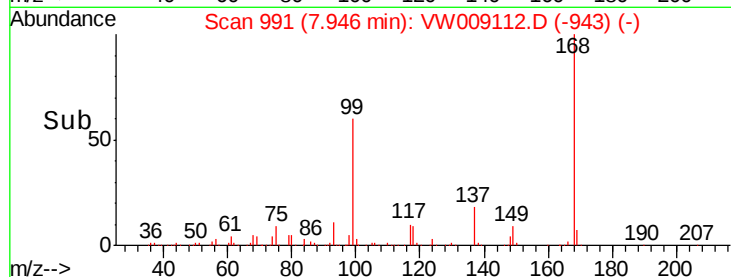
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.079 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW009112.D

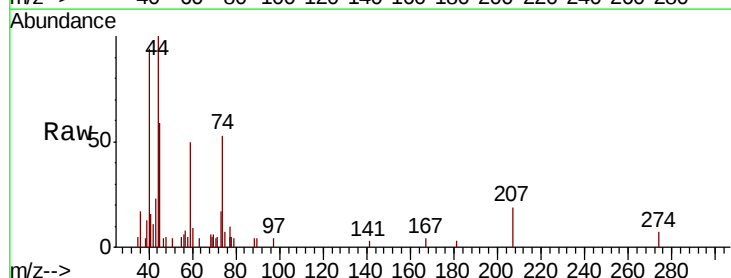
Acq: 12 Mar 2019 04:25

Tgt Ion: 74 Resp: 1665

Ion Ratio Lower Upper

74 100

45 133.9 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

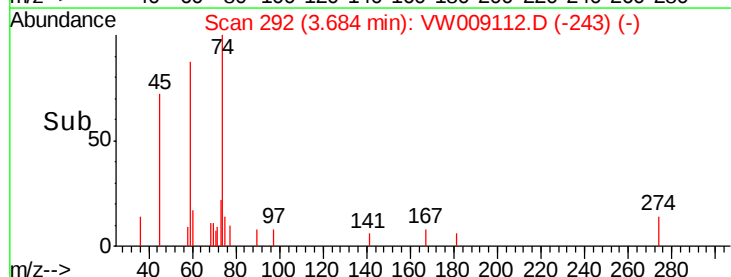
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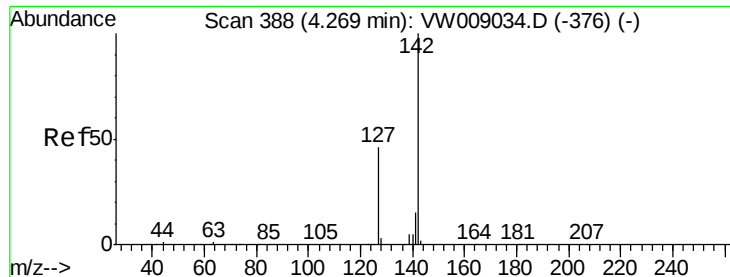
400

200

0

Time-->





#10

Methyl Iodide

Concen: 3.195 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

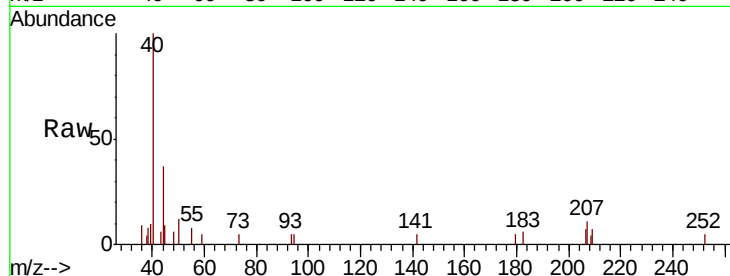
Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-6-031119

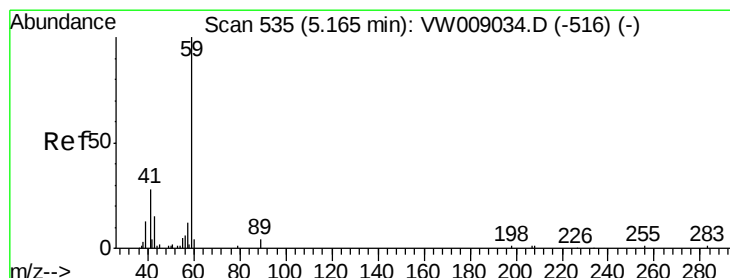
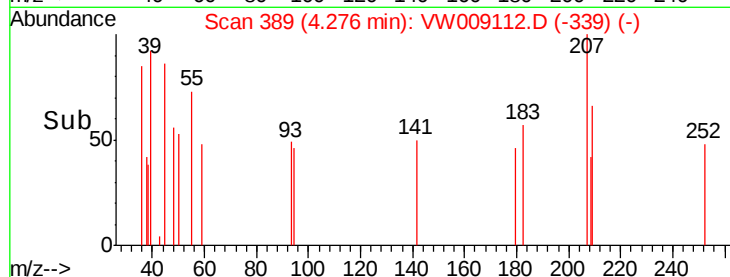
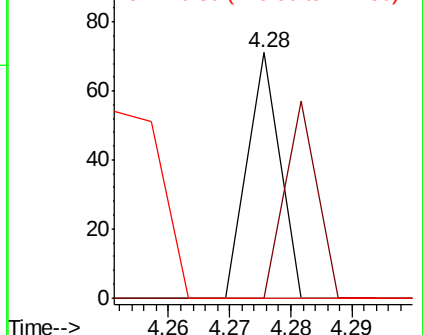
Tgt Ion:	142	Resp:	26
Ion	Ratio	Lower	Upper
142	100		
127	80.8	35.8	53.6#
141	0.0	11.8	17.8#



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



#11

Tert butyl alcohol

Concen: 8.647 ug/l

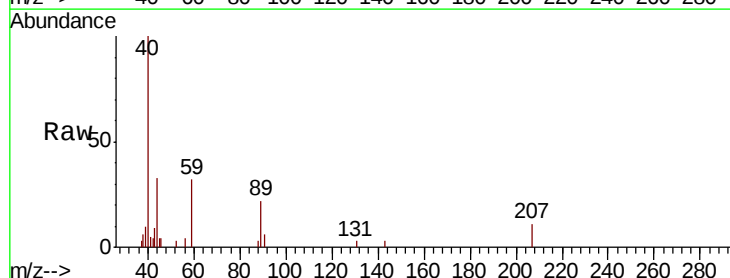
RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW009112.D

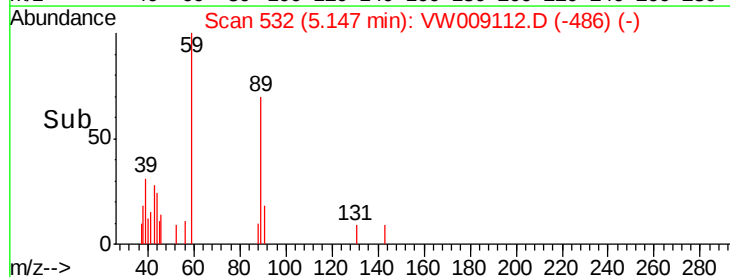
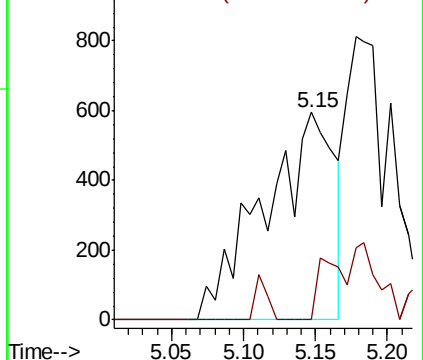
Acq: 12 Mar 2019 04:25

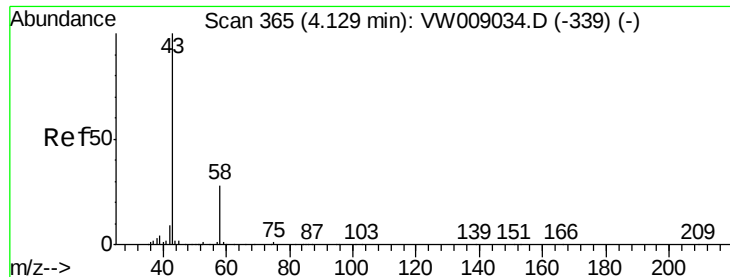
Tgt Ion:	59	Resp:	2011
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 79.224 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

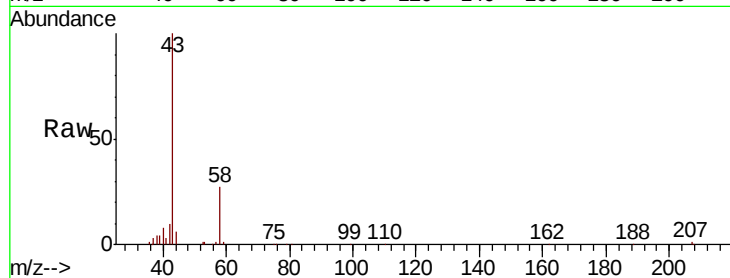
SUP-7B-G-6-031119

Tgt Ion: 43 Resp: 54260

Ion Ratio Lower Upper

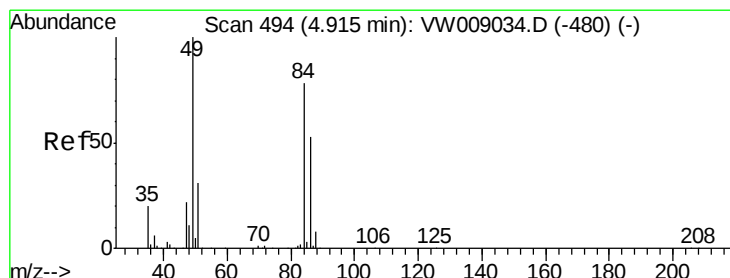
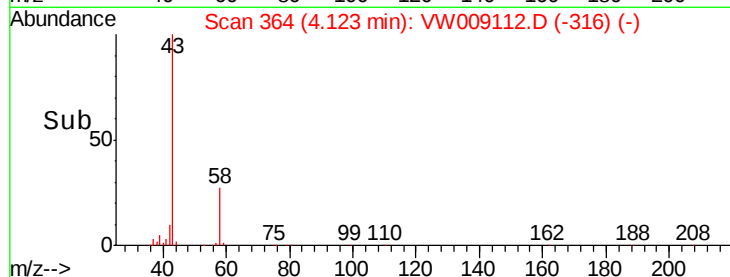
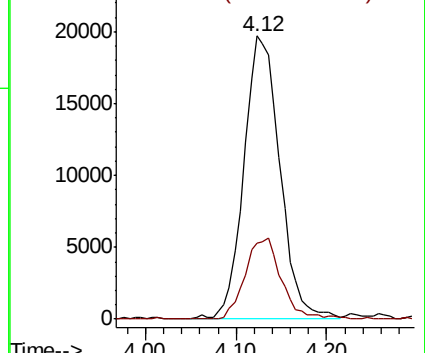
43 100

58 26.9 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: 5.482 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Tgt Ion: 84 Resp: 33227

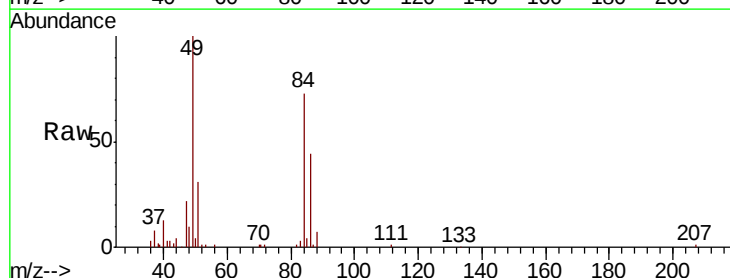
Ion Ratio Lower Upper

84 100

49 136.5 102.4 153.6

51 41.0 31.6 47.4

86 59.8 54.5 81.7

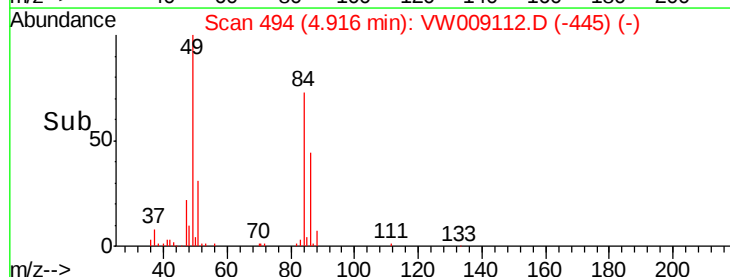
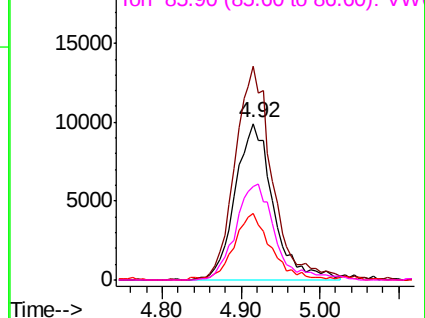


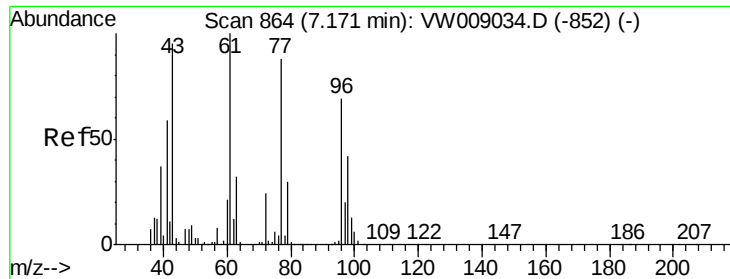
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 2.277 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

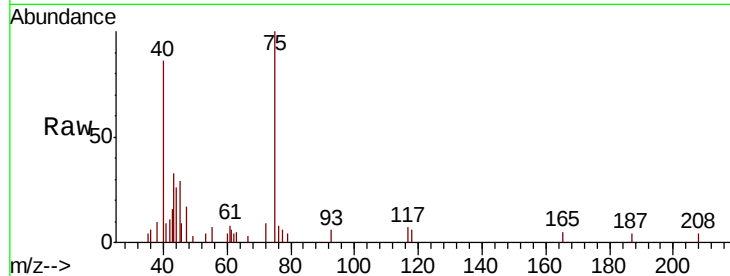
SUP-7B-G-6-031119

Tgt Ion: 43 Resp: 2155

Ion Ratio Lower Upper

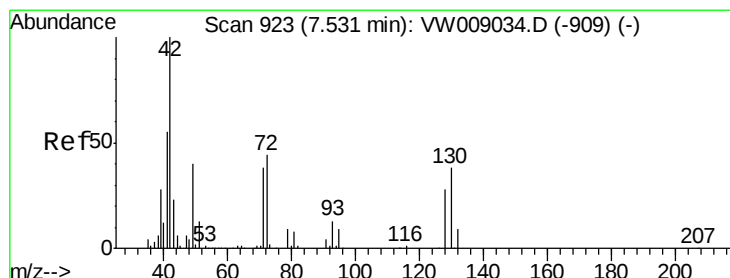
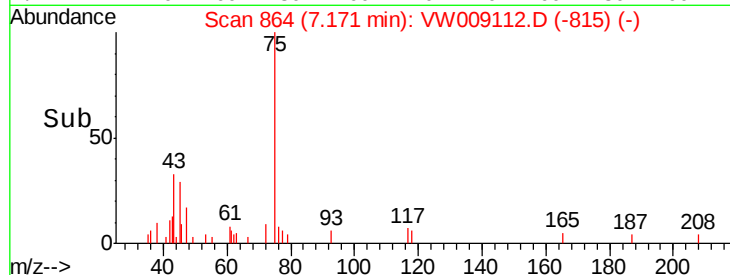
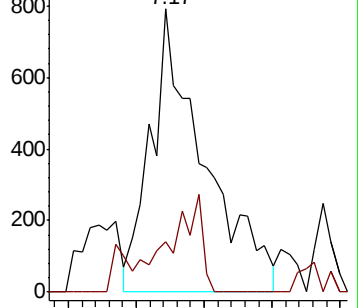
43 100

72 19.6 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.495 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

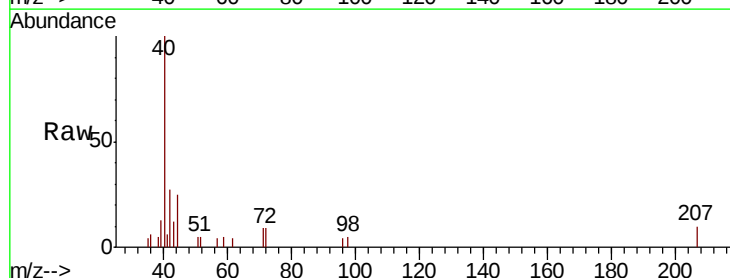
Tgt Ion: 42 Resp: 892

Ion Ratio Lower Upper

42 100

72 18.9 32.2 48.4#

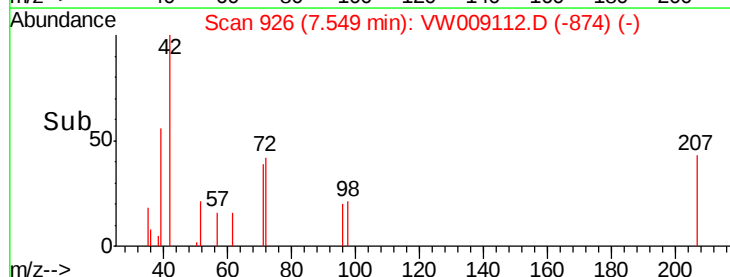
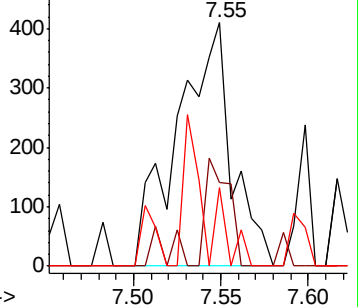
71 16.4 30.7 46.1#

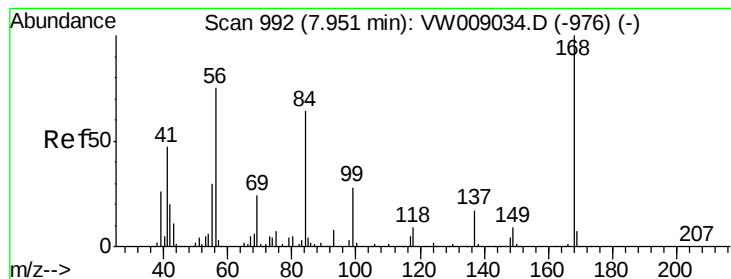


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.424 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Instrument :

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ClientSampleId :

SUP-7B-G-6-031119

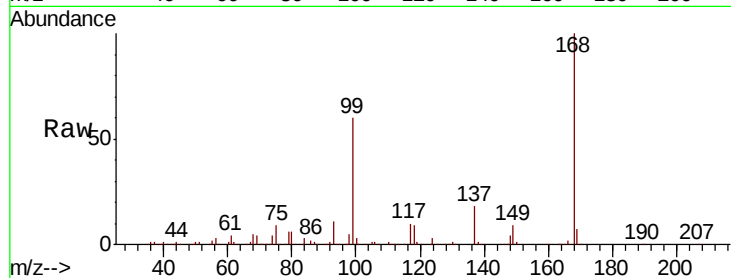
Tgt Ion: 56 Resp: 8062

Ion Ratio Lower Upper

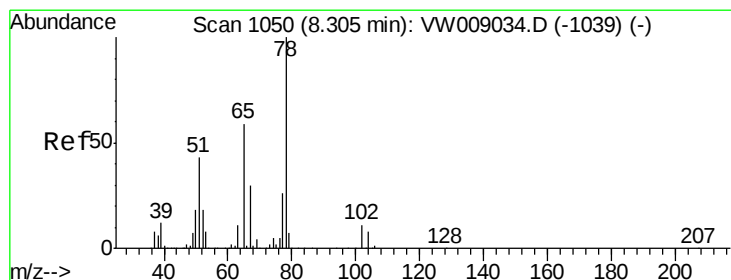
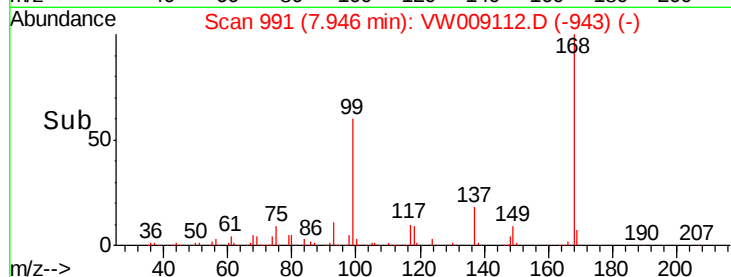
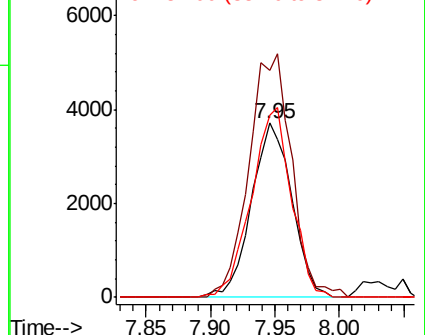
56 100

69 130.5 25.5 38.3#

84 105.0 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: 56.218 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009112.D

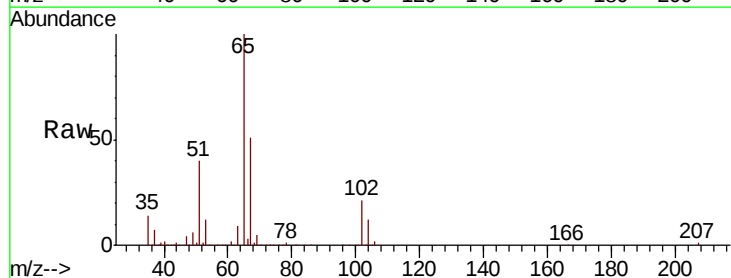
Acq: 12 Mar 2019 04:25

Tgt Ion: 65 Resp: 170625

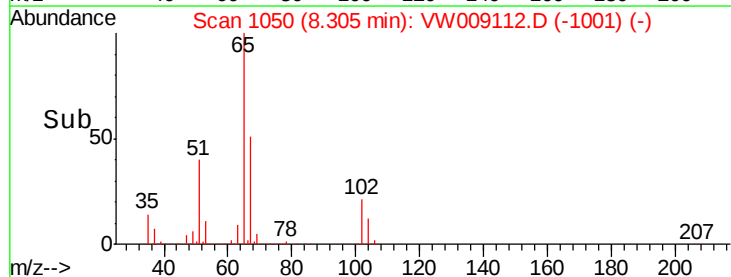
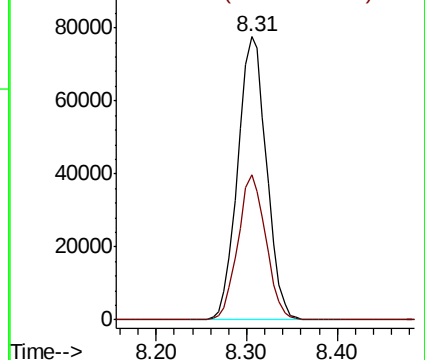
Ion Ratio Lower Upper

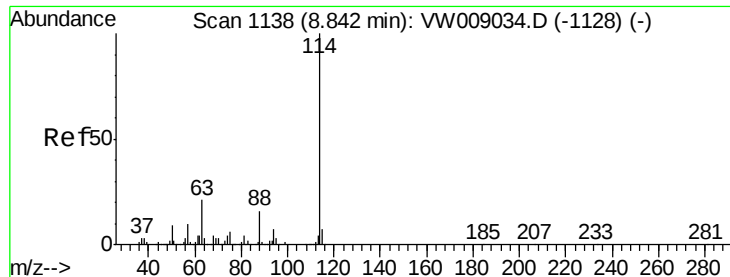
65 100

67 49.7 0.0 103.0



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

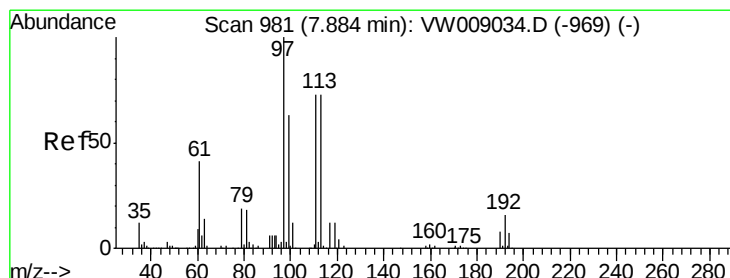
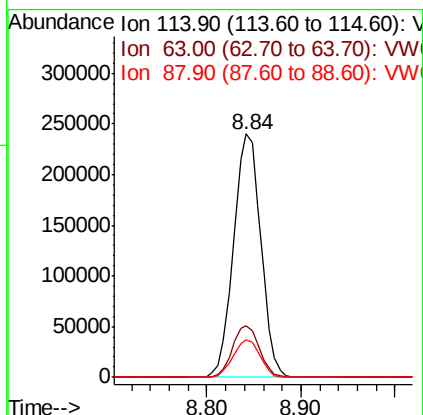
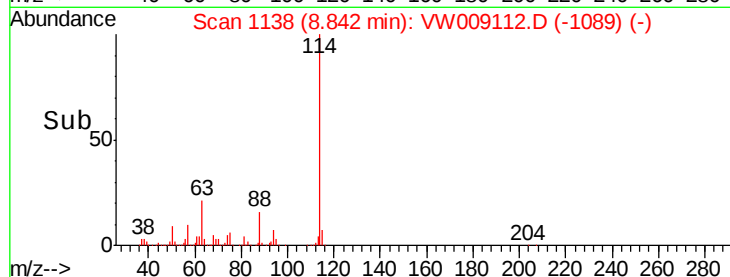
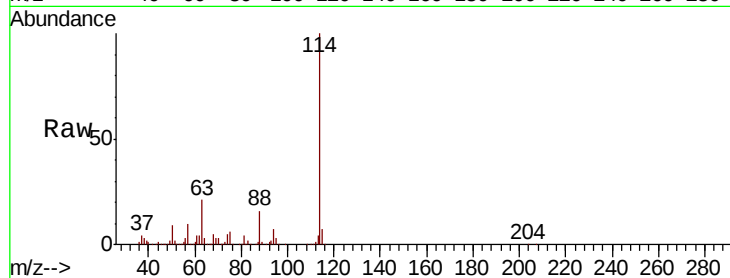




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

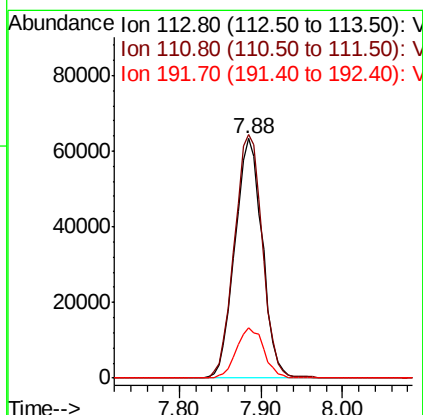
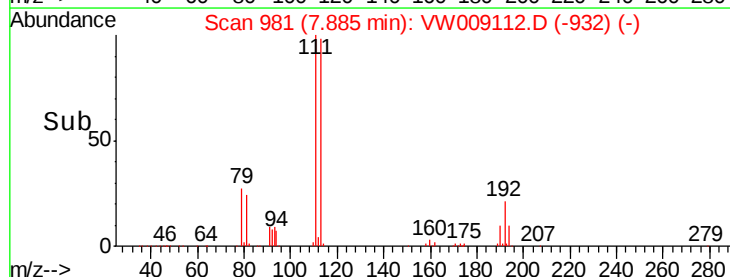
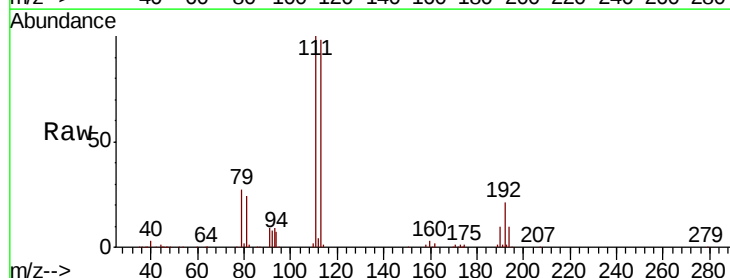
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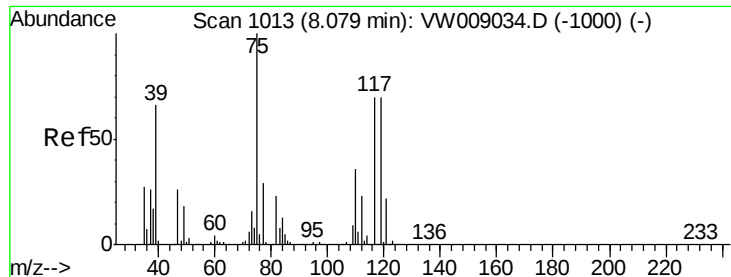
Tgt Ion:114 Resp: 483399
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.2
88 15.6 0.0 31.2



#35
Dibromofluoromethane
Concen: 50.517 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

Tgt Ion:113 Resp: 147030
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.4
192 21.0 17.1 25.7

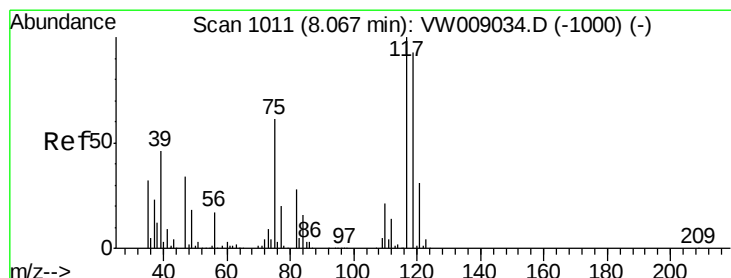
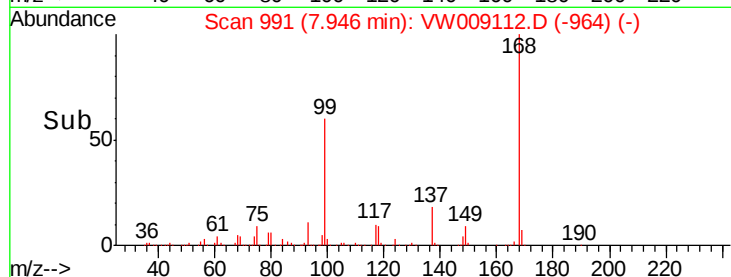
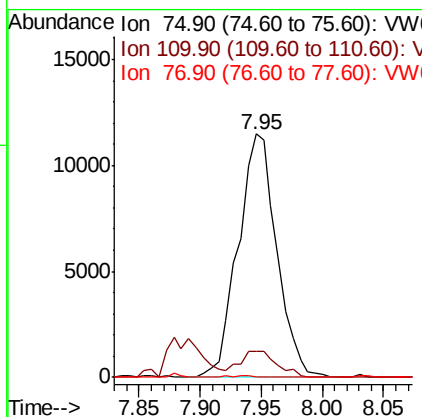
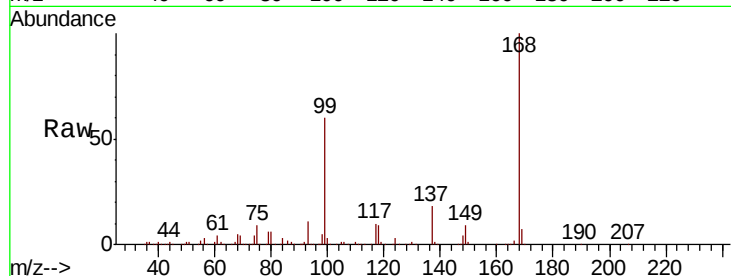




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009112.D
 Acq: 12 Mar 2019 04:25

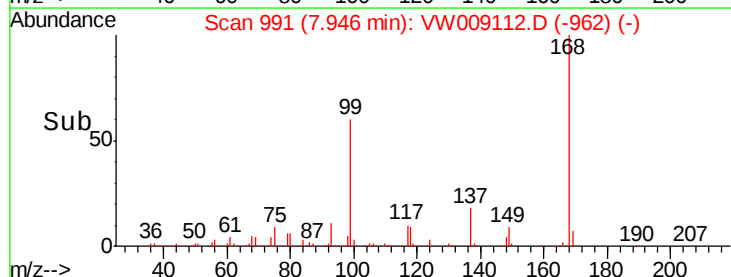
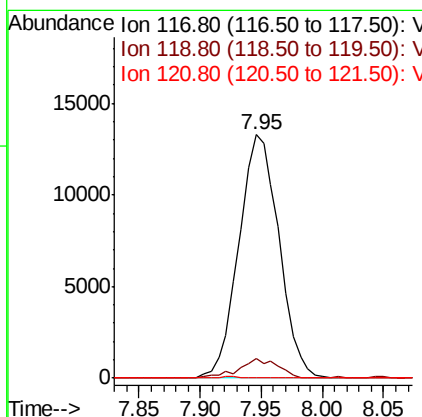
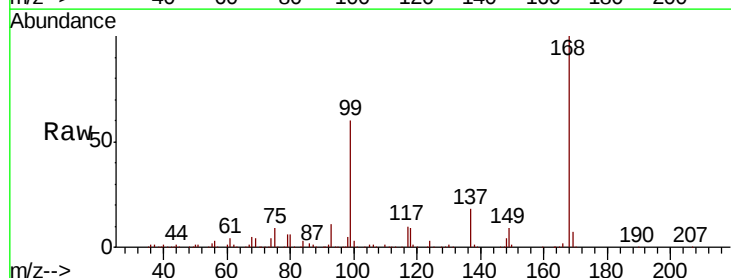
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-6-031119

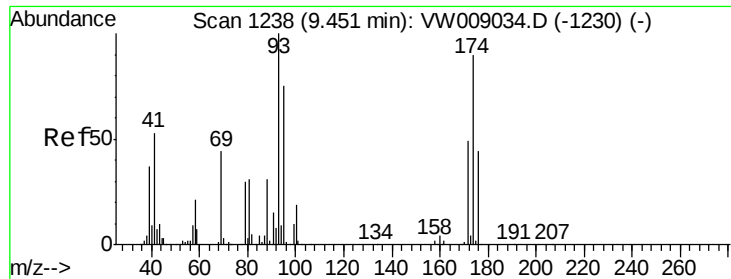
Tgt Ion: 75 Resp: 25122
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.6 52.9#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009112.D
 Acq: 12 Mar 2019 04:25

Tgt Ion: 117 Resp: 30297
 Ion Ratio Lower Upper
 117 100
 119 7.8 74.6 112.0#
 121 0.0 24.7 37.1#

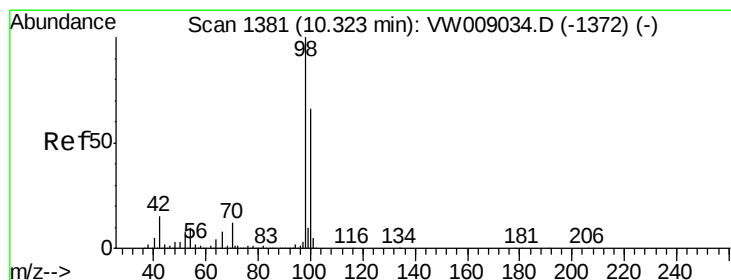
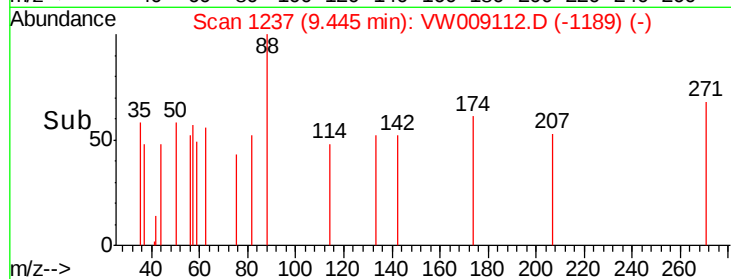
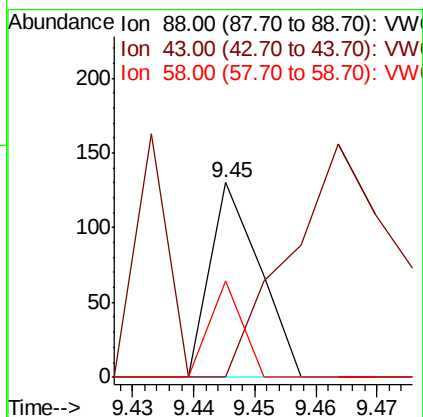
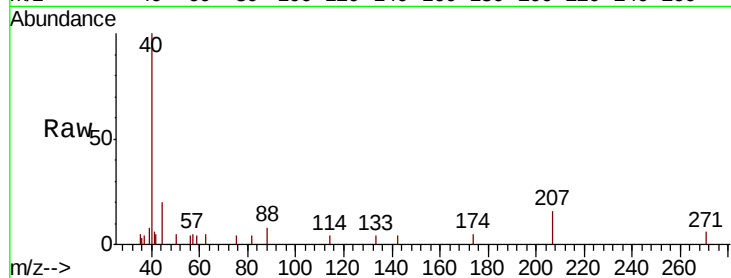




#49
1,4-Dioxane
Concen: 2.724 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

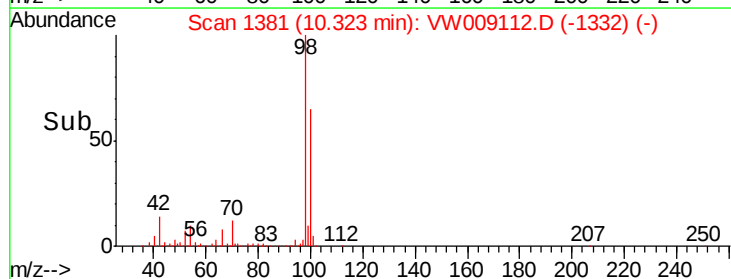
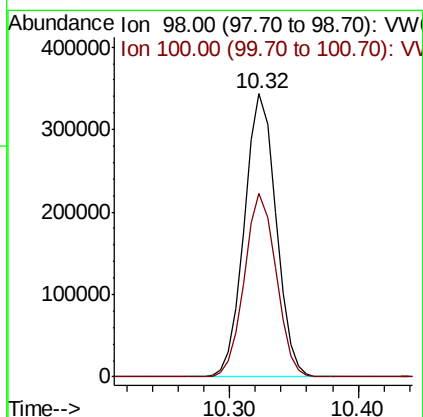
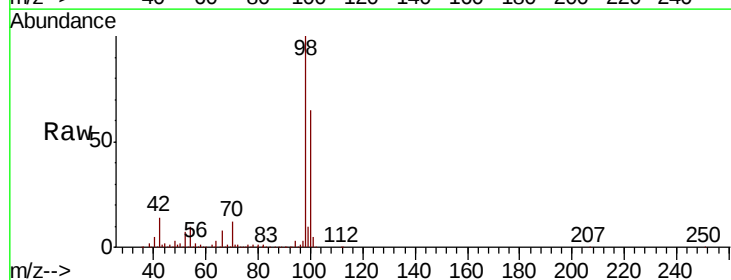
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-6-031119

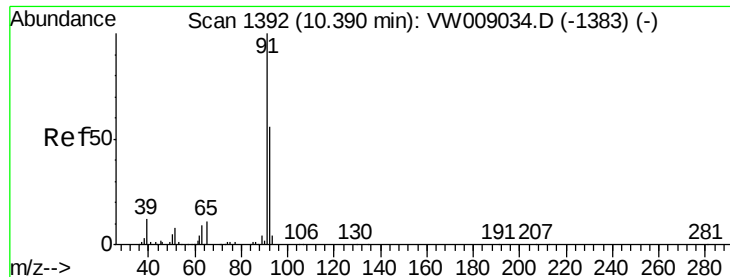
Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 83.3 29.0 43.4#
58 31.9 59.2 88.8#



#50
Toluene-d8
Concen: 48.844 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

Tgt Ion: 98 Resp: 583876
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9





#52

Toluene

Concen: 4.638 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

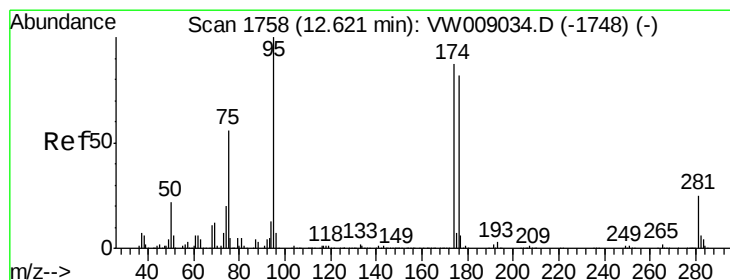
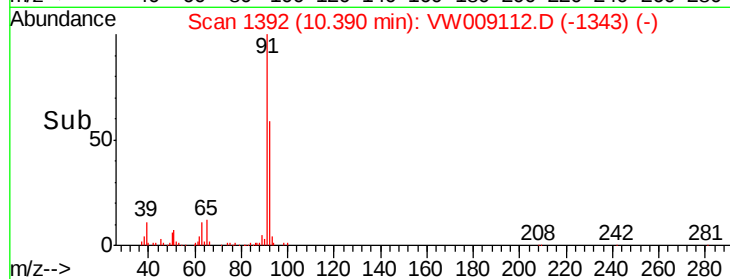
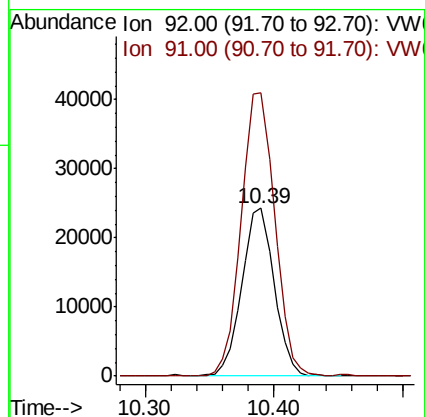
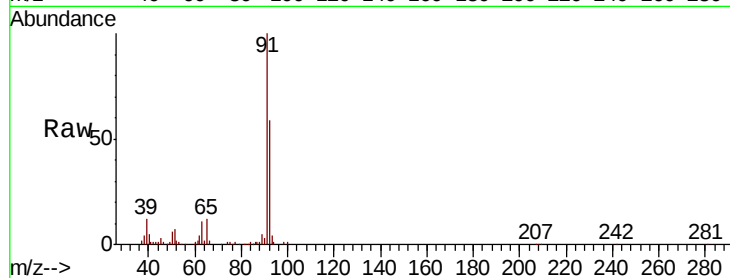
SUP-7B-G-6-031119

Tgt Ion: 92 Resp: 42441

Ion Ratio Lower Upper

92 100

91 174.4 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 38.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009112.D

Acq: 12 Mar 2019 04:25

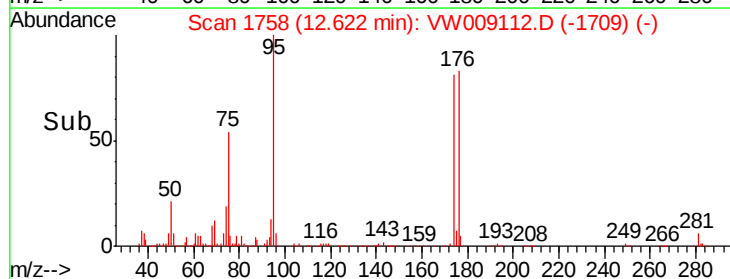
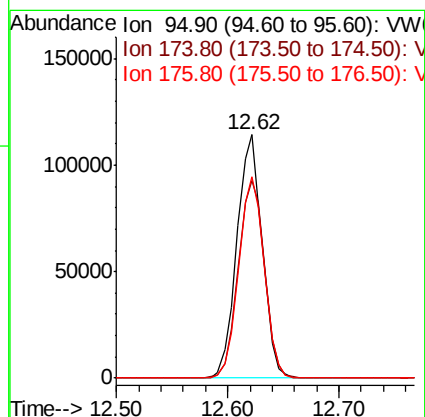
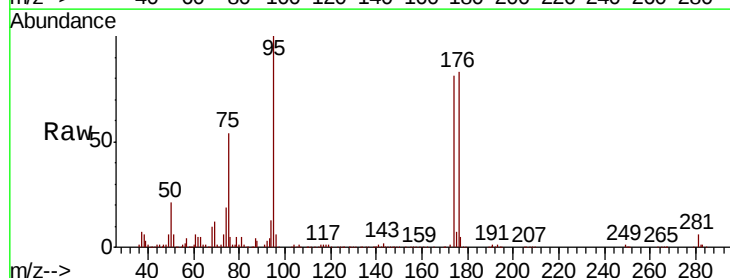
Tgt Ion: 95 Resp: 179353

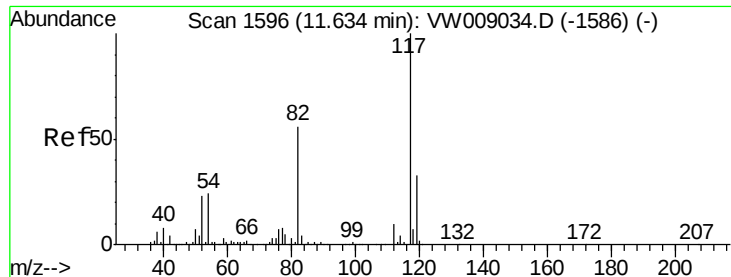
Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.0

176 83.1 0.0 159.4

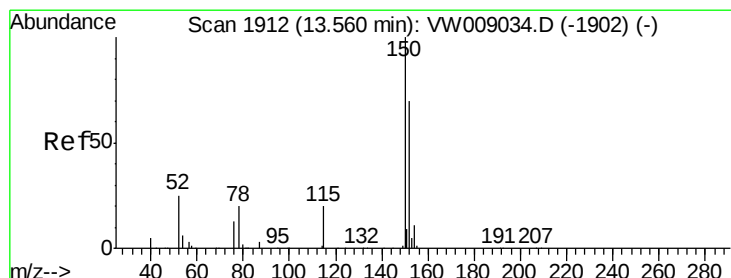
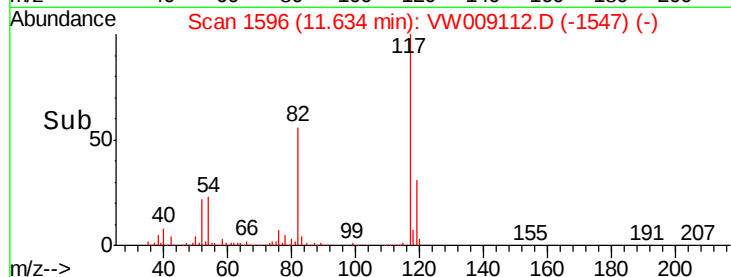
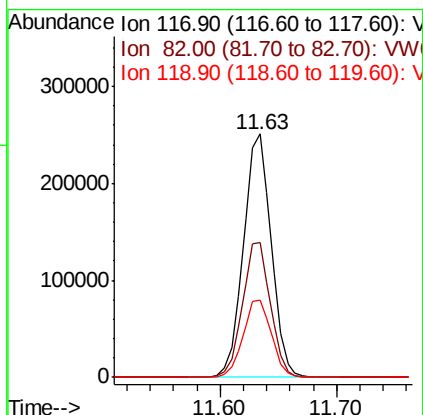
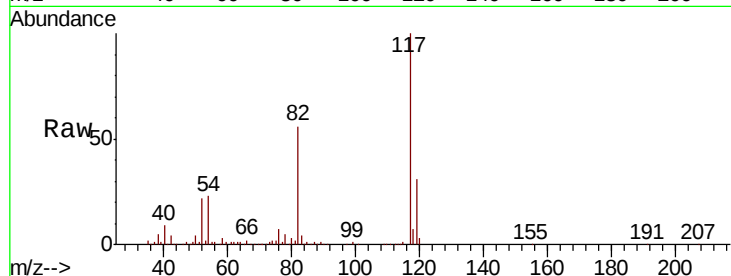




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

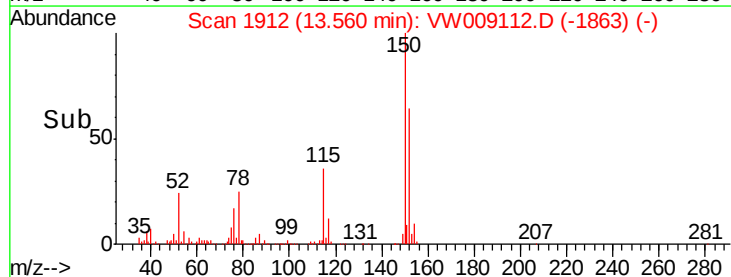
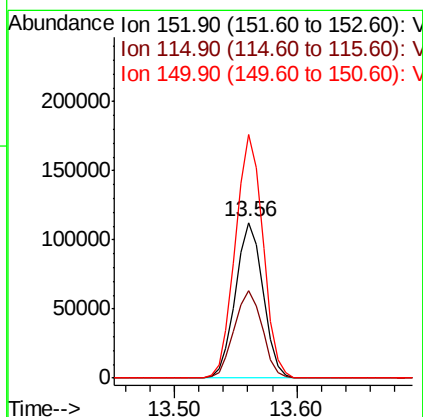
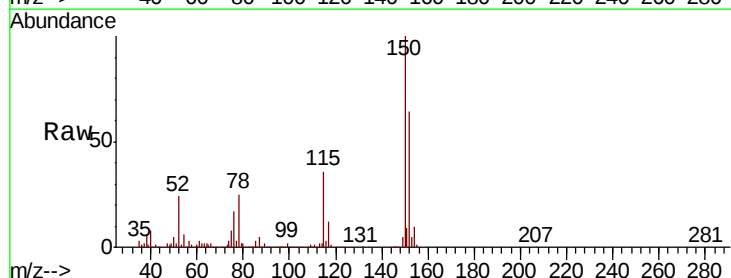
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-6-031119

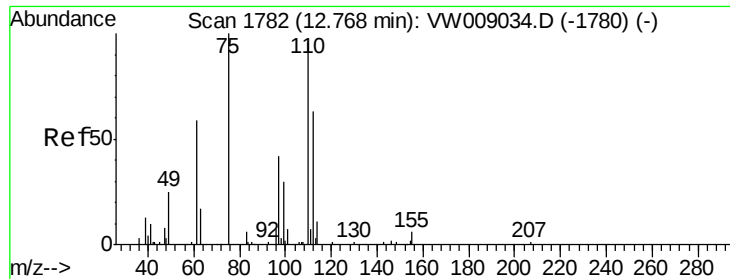
Tgt Ion:117 Resp: 418060
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.6
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009112.D
Acq: 12 Mar 2019 04:25

Tgt Ion:152 Resp: 175492
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.0 0.0 349.2

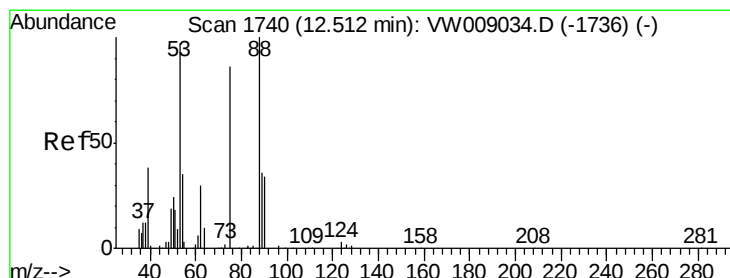
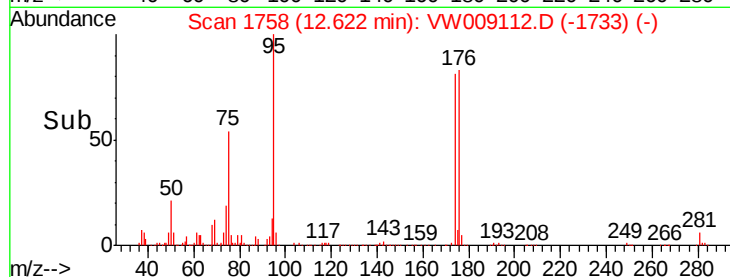
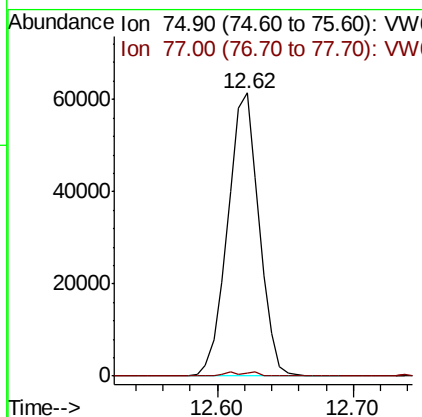
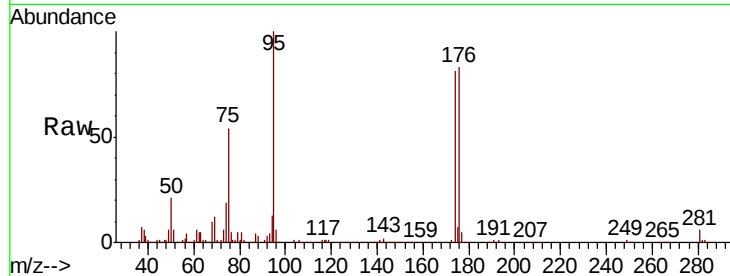




#76
 1,2,3-Trichloropropane
 Concen: 70.777 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009112.D
 Acq: 12 Mar 2019 04:25

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-6-031119

Tgt Ion: 75 Resp: 98135
 Ion Ratio Lower Upper
 75 100
 77 1.4 186.7 560.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.310 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009112.D
 Acq: 12 Mar 2019 04:25

Tgt Ion: 75 Resp: 98135
 Ion Ratio Lower Upper
 75 100
 53 0.3 90.5 135.7#
 89 0.1 37.5 56.3#

