

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005219.D
 Acq On : 07 Sep 2018 19:32
 Operator : SY/AP
 Sample : J4775-01
 Misc : 7.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-A

Quant Time: Sep 08 01:21:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	501214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	758677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	704704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	326368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	166564	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	
35) Dibromofluoromethane	7.89	113	157330	35.89	ug/l	0.00
Spiked Amount			Recovery	=	71.78%	
50) Toluene-d8	10.33	98	669389	33.13	ug/l	0.00
Spiked Amount			Recovery	=	66.26%	
62) 4-Bromofluorobenzene	12.63	95	224206	31.47	ug/l	0.00
Spiked Amount			Recovery	=	62.94%	

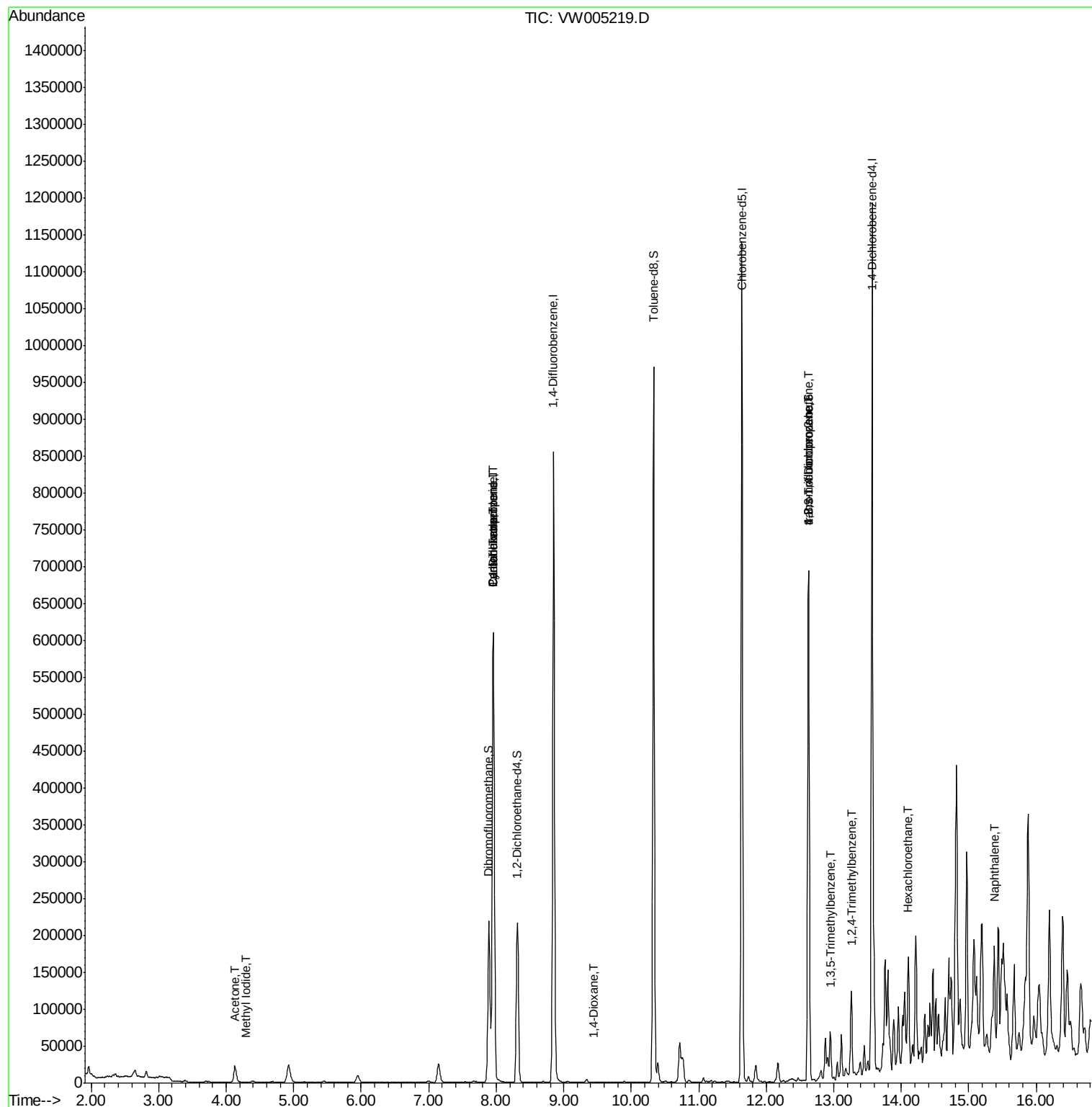
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	326	Below Cal	#	27
10) Methyl Iodide	4.29	142	47	3.825	ug/l #	44
11) Tert butyl alcohol	5.16	59	1239	Below Cal	#	81
16) Acetone	4.13	43	38010	45.617	ug/l	95
20) Methylene Chloride	4.92	84	19738	Below Cal		97
31) Cyclohexane	7.95	56	8498	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	32210	4.458	ug/l #	47
38) Carbon Tetrachloride	7.96	117	43786	6.373	ug/l #	16
49) 1,4-Dioxane	9.45	88	46	1.101	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	102598	41.880	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	27677	1.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	102598	100.801	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.26	105	66231	3.268	ug/l	98
90) Hexachloroethane	14.11	117	7904	2.201	ug/l #	5
95) Naphthalene	15.38	128	112759	12.799	ug/l	98

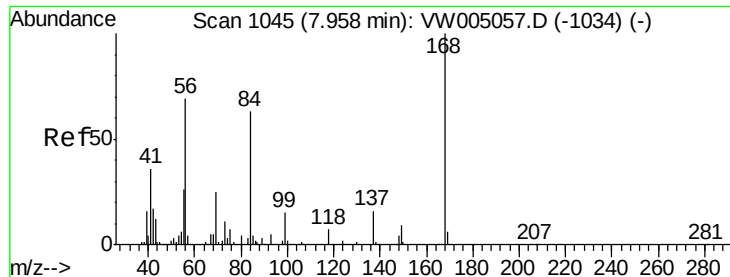
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

Instrument :

MSVOA_W

ClientSampleId :

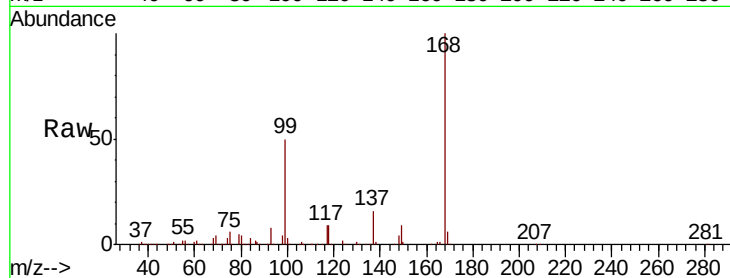
OR-02-090618-A

Tgt Ion:168 Resp: 501214

Ion Ratio Lower Upper

168 100

99 50.1 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

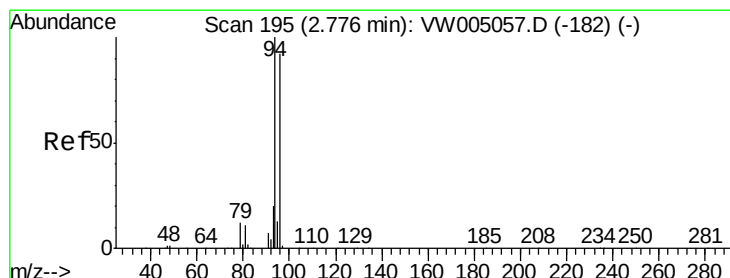
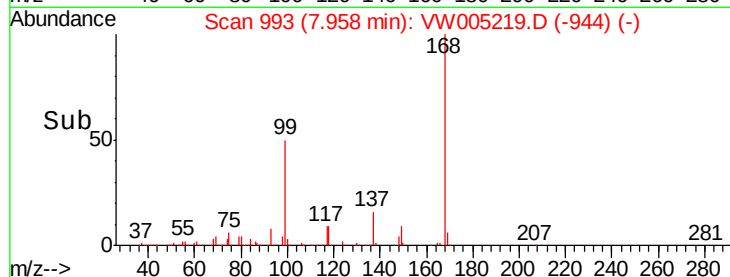
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005219.D

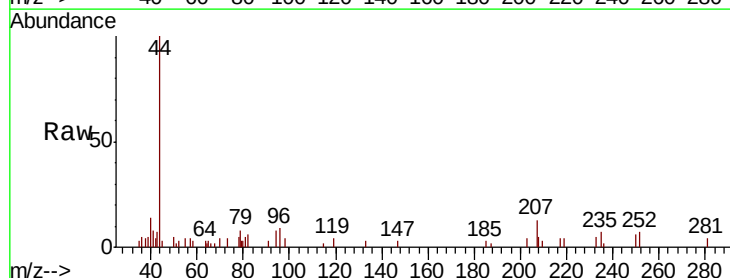
Acq: 07 Sep 2018 19:32

Tgt Ion: 94 Resp: 326

Ion Ratio Lower Upper

94 100

96 22.2 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

300

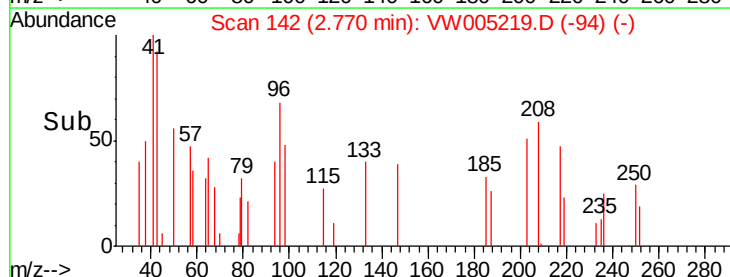
200

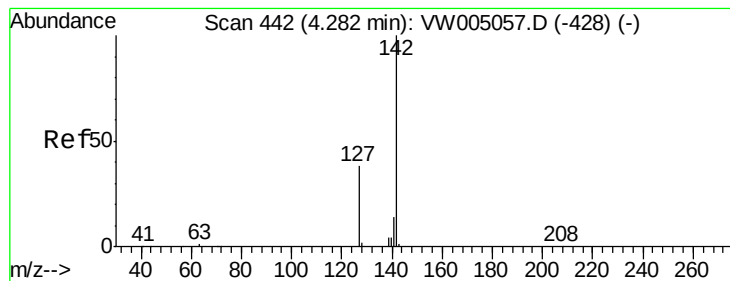
100

0

2.75 2.80

Time-->





#10

Methyl Iodide

Concen: 3.825 ug/l

RT: 4.29 min Scan# 392

Delta R.T. 0.01 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

Instrument :

MSVOA_W

ClientSampleId :

OR-02-090618-A

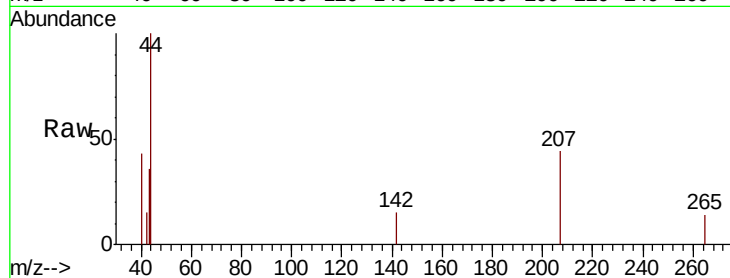
Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

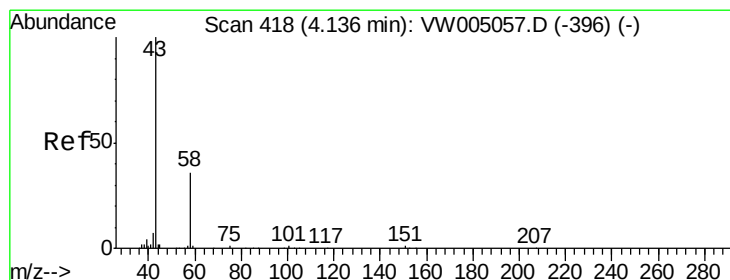
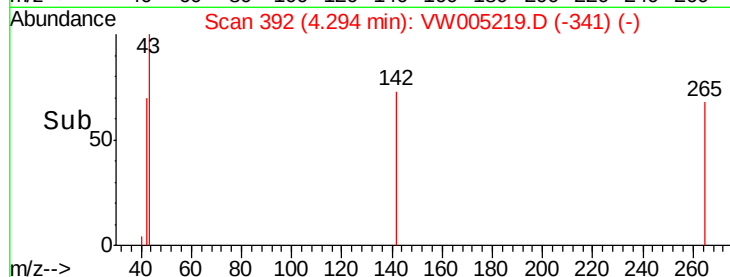
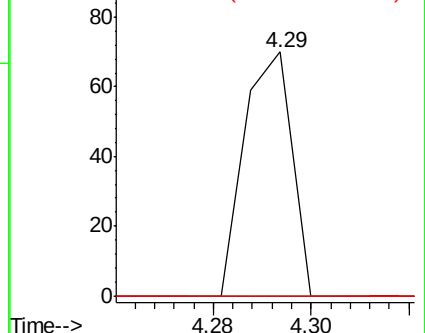
141 0.0 11.6 17.4#



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: 45.617 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005219.D

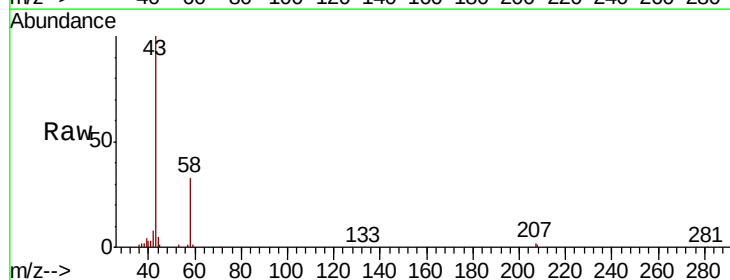
Acq: 07 Sep 2018 19:32

Tgt Ion: 43 Resp: 38010

Ion Ratio Lower Upper

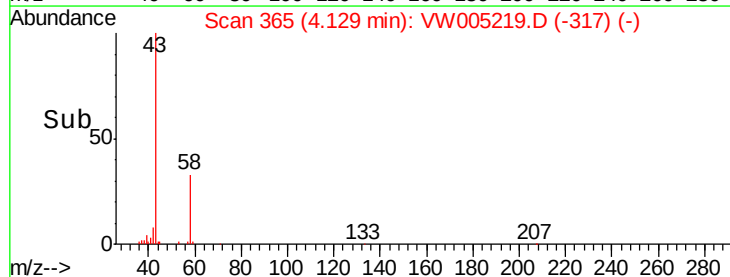
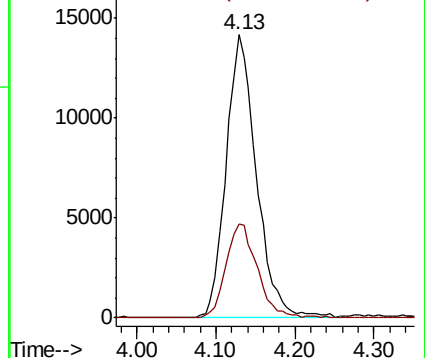
43 100

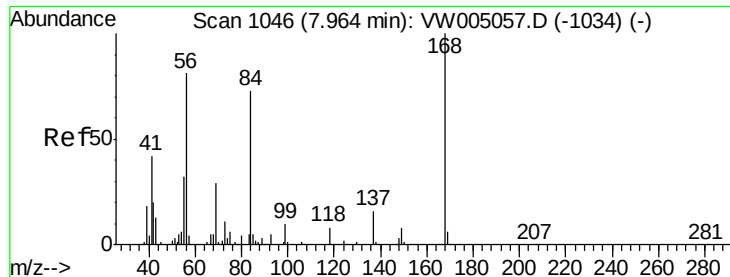
58 33.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

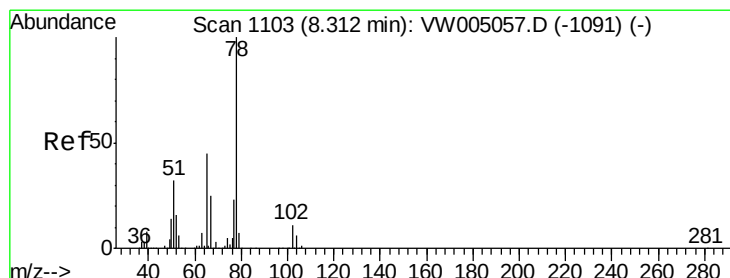
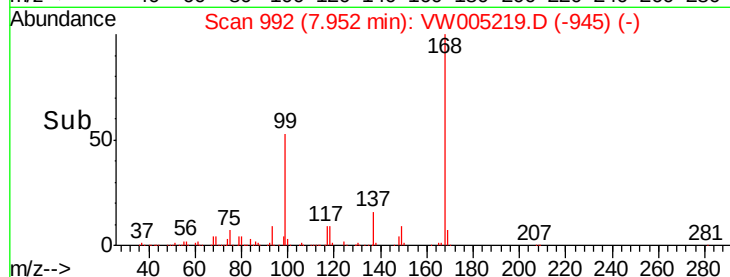
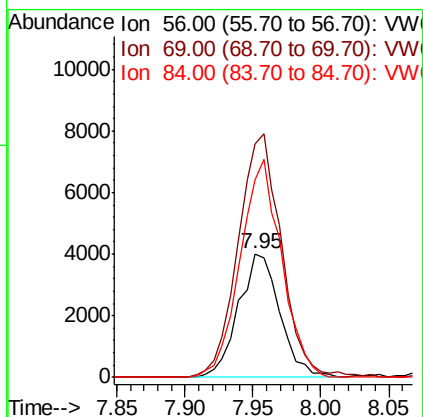
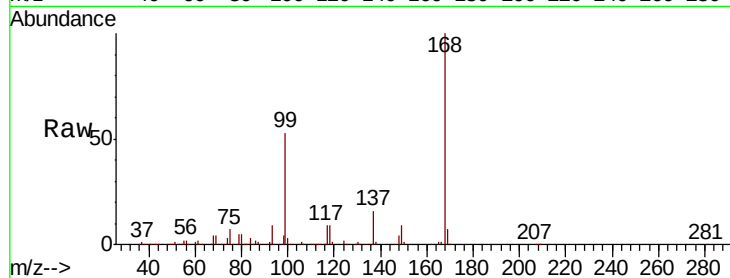




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005219.D
Acq: 07 Sep 2018 19:32

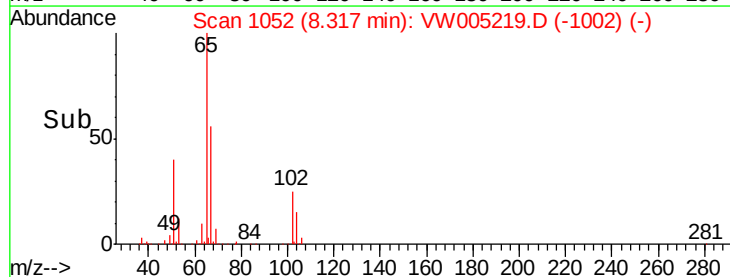
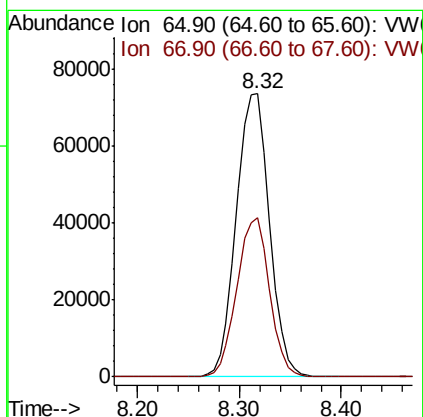
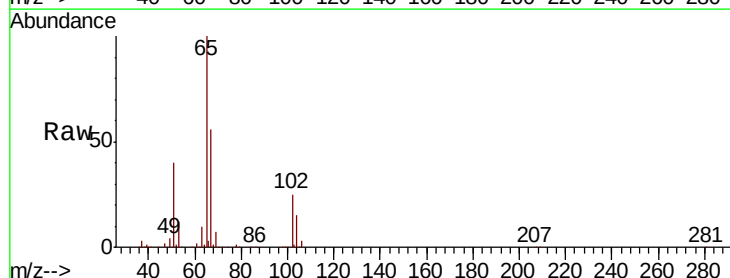
Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-A

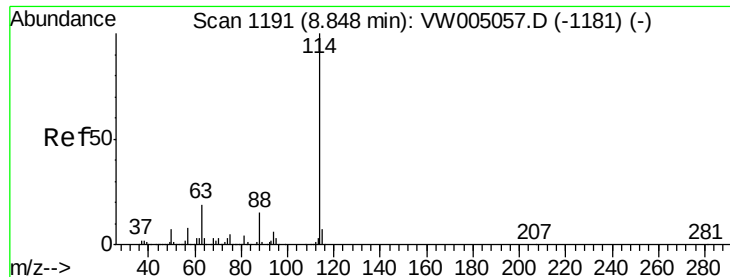
Tgt Ion: 56 Resp: 8498
Ion Ratio Lower Upper
56 100
69 188.7 28.2 42.2#
84 160.4 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 40.089 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005219.D
Acq: 07 Sep 2018 19:32

Tgt Ion: 65 Resp: 166564
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.4

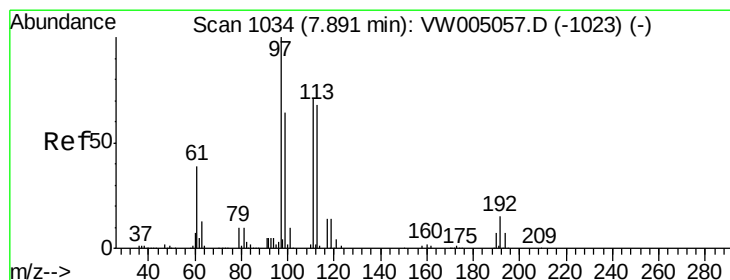
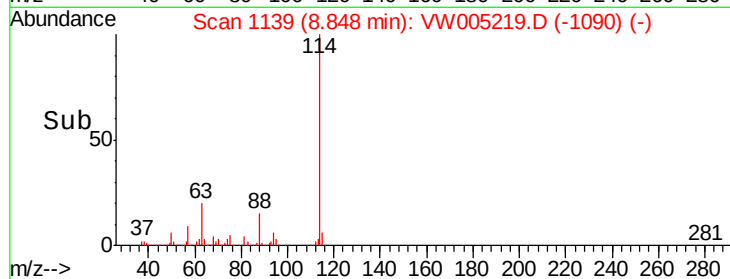
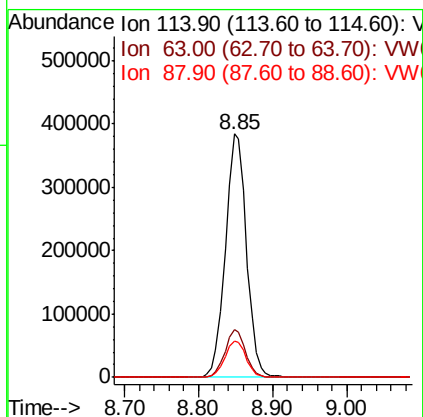
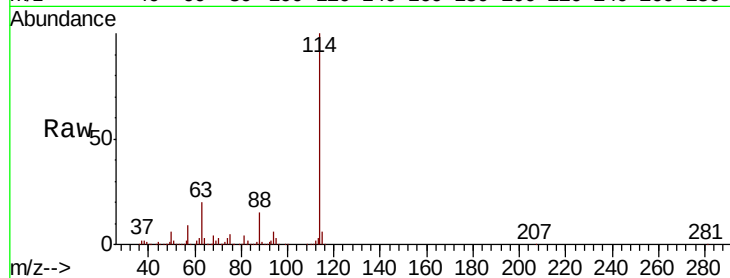




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

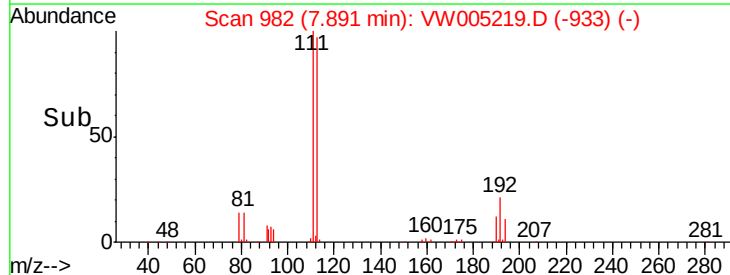
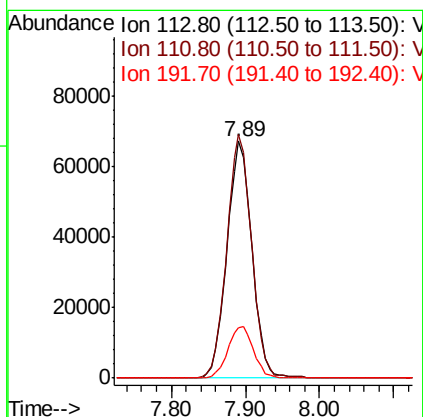
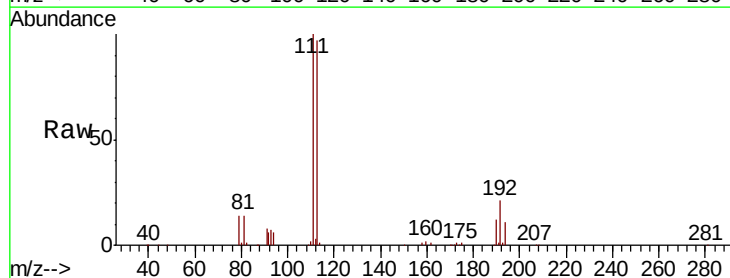
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-A

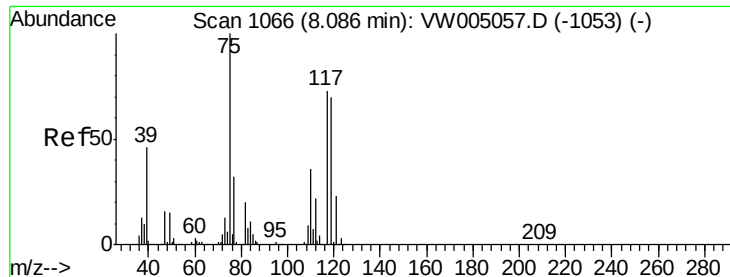
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	15.1	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 35.885 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	22.3	18.1	27.1





#36

1,1-Dichloropropene

Concen: 4.458 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

Instrument :

MSVOA_W

ClientSampleId :

OR-02-090618-A

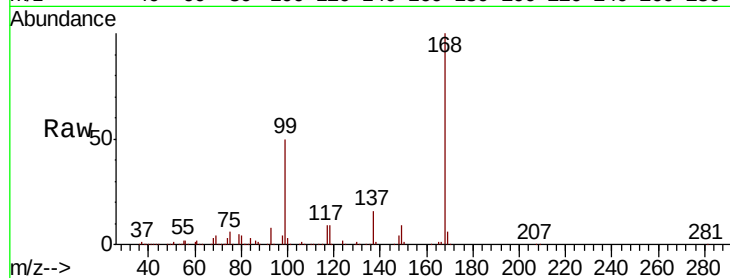
Tgt Ion: 75 Resp: 32210

Ion Ratio Lower Upper

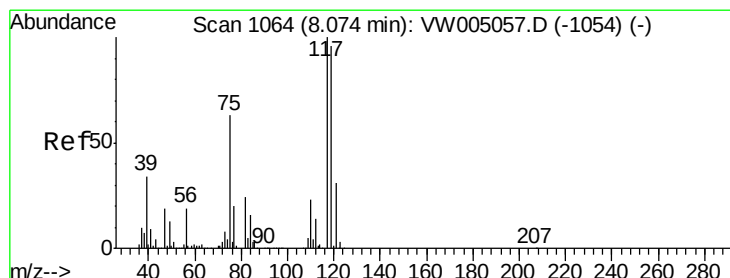
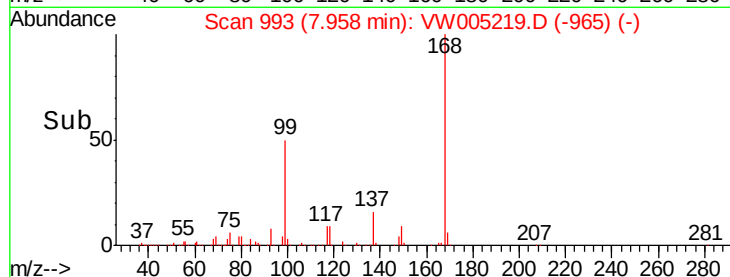
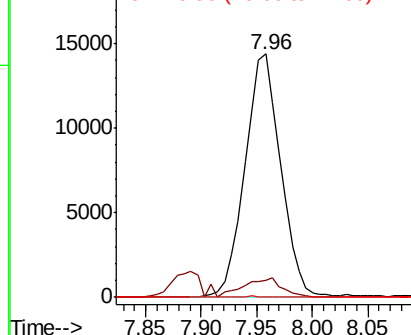
75 100

110 8.3 18.9 56.7#

77 0.0 25.5 38.3#



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: 6.373 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

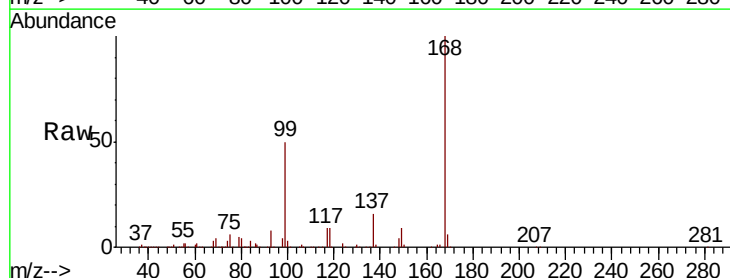
Tgt Ion: 117 Resp: 43786

Ion Ratio Lower Upper

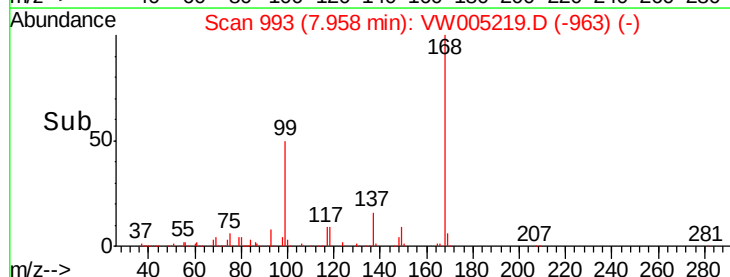
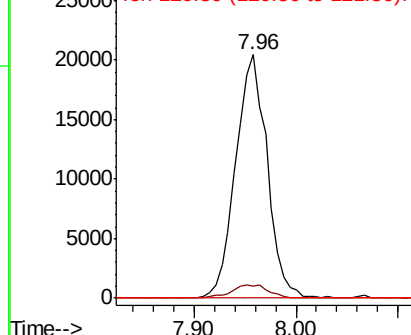
117 100

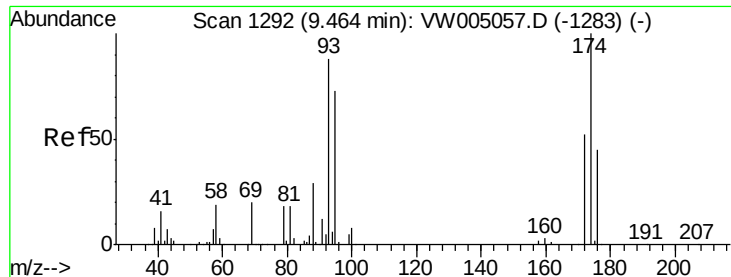
119 4.8 76.6 115.0#

121 0.0 24.8 37.2#



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





#49

1,4-Dioxane

Concen: 1.101 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

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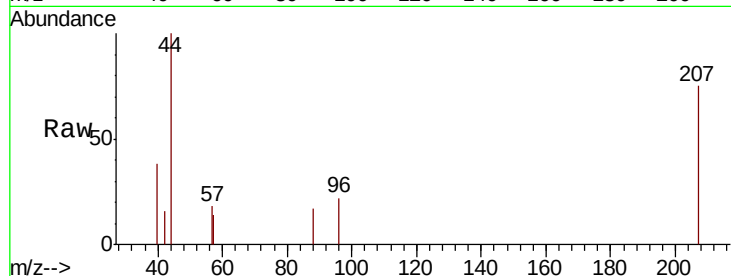
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 19.8 29.6#

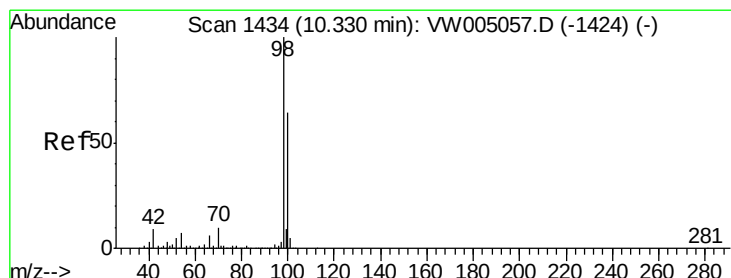
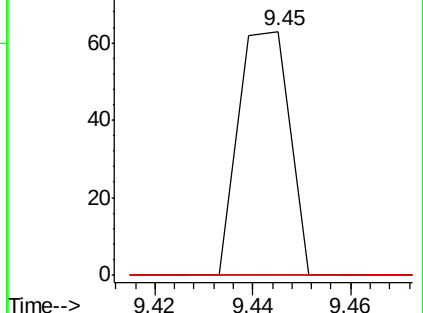
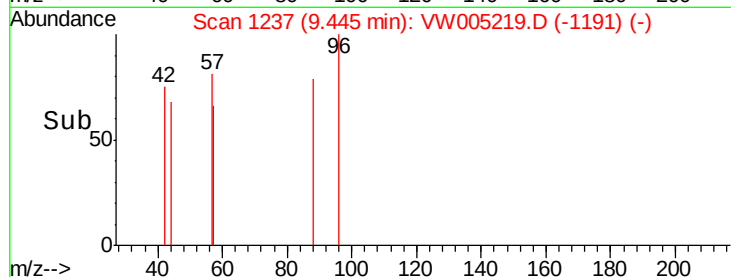
58 0.0 57.1 85.7#



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: 33.135 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005219.D

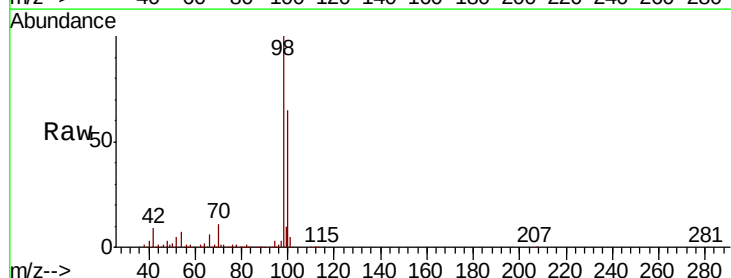
Acq: 07 Sep 2018 19:32

Tgt Ion: 98 Resp: 669389

Ion Ratio Lower Upper

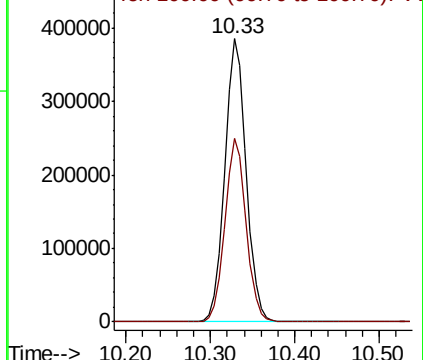
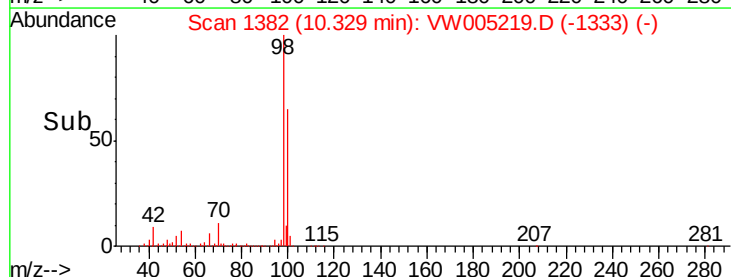
98 100

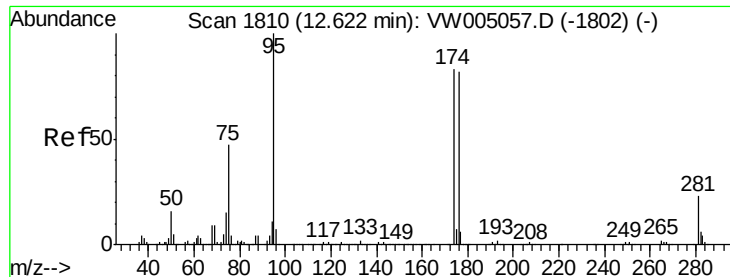
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 31.475 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

Instrument :

MSVOA_W

ClientSampled :

OR-02-090618-A

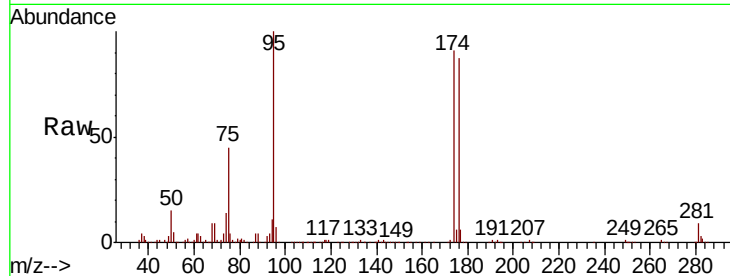
Tgt Ion: 95 Resp: 224206

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.4

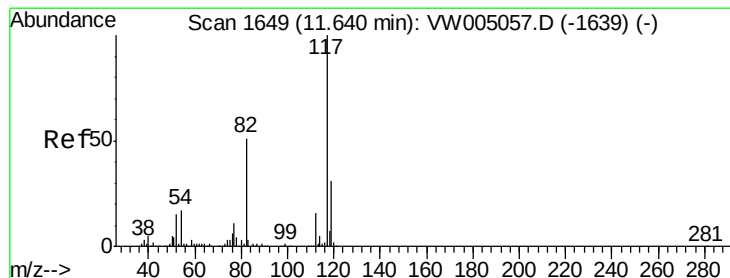
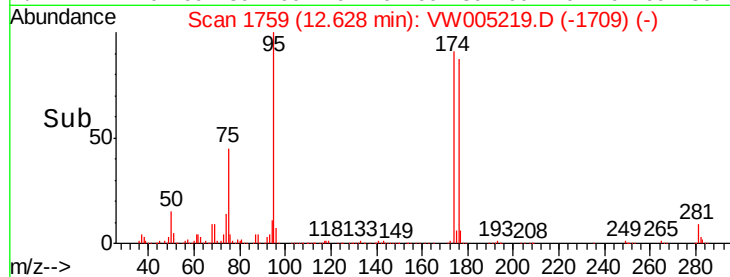
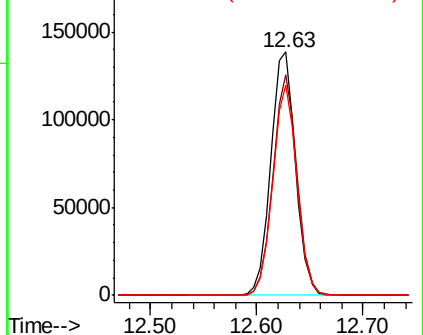
176 84.2 0.0 167.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005219.D

Acq: 07 Sep 2018 19:32

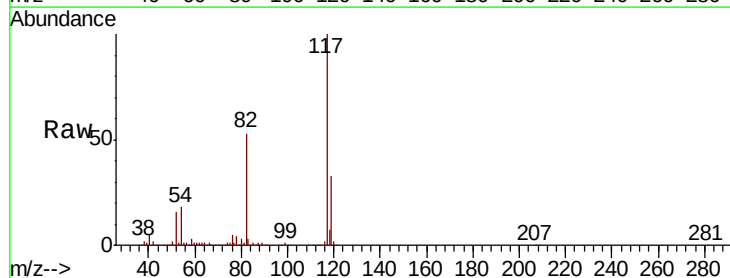
Tgt Ion: 117 Resp: 704704

Ion Ratio Lower Upper

117 100

82 52.8 40.9 61.3

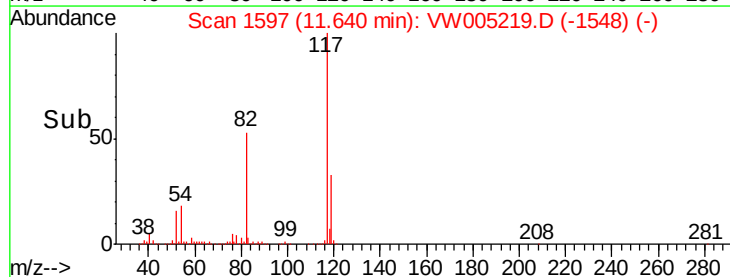
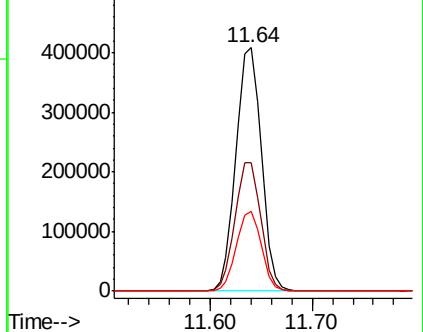
119 33.0 24.9 37.3

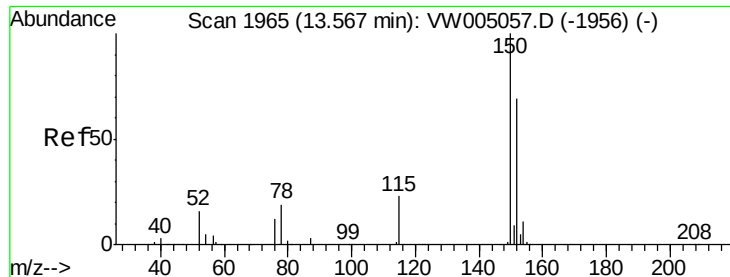


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

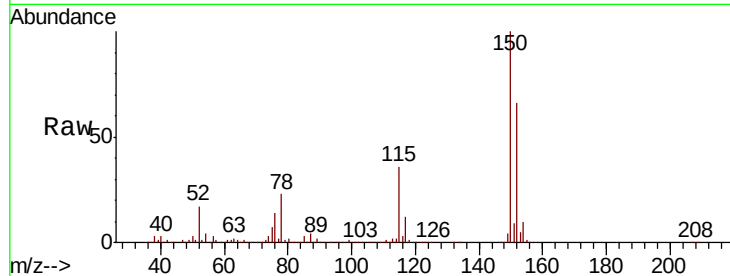




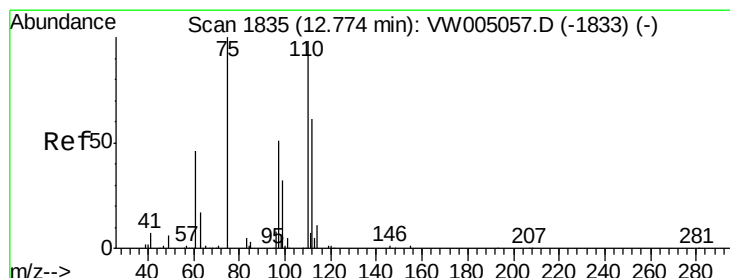
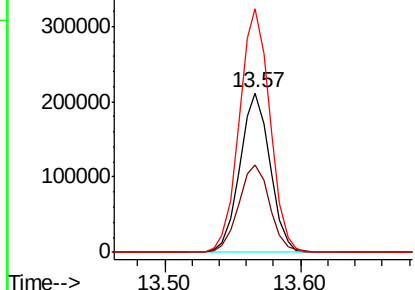
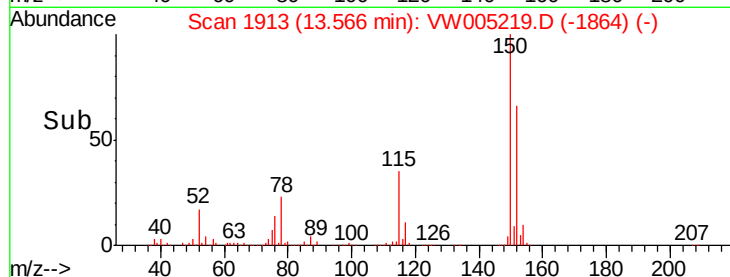
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-A

Tgt Ion:152 Resp: 326368
 Ion Ratio Lower Upper
 152 100
 115 56.9 27.8 83.4
 150 155.3 0.0 351.4

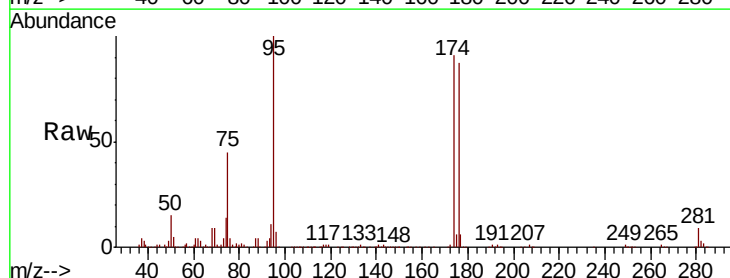


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

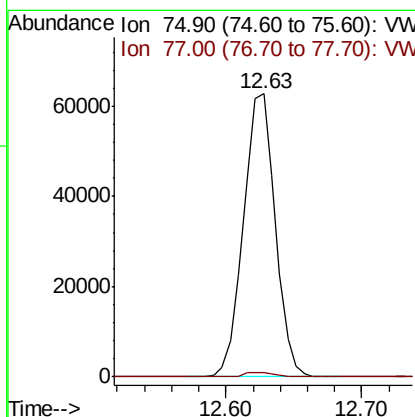
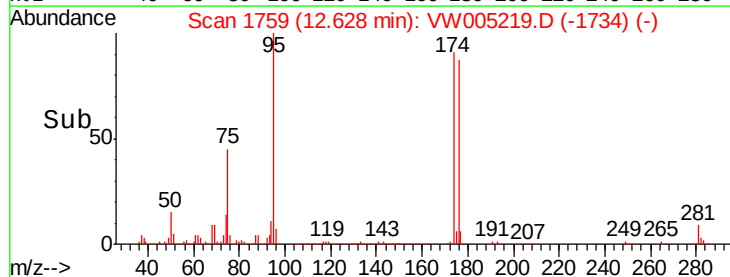


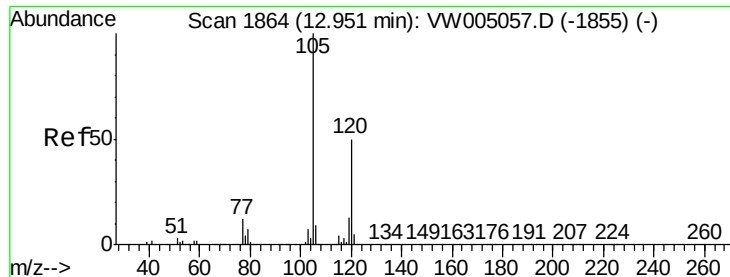
#76
 1,2,3-Trichloropropane
 Concen: 41.880 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

Tgt Ion: 75 Resp: 102598
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW

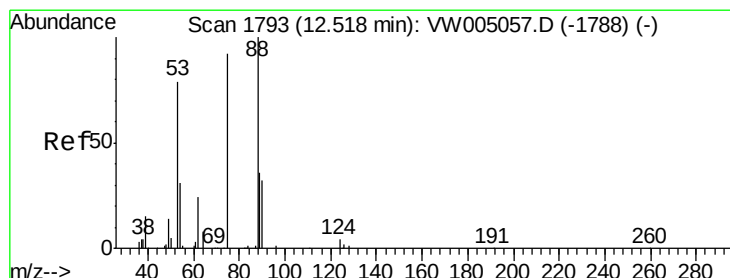
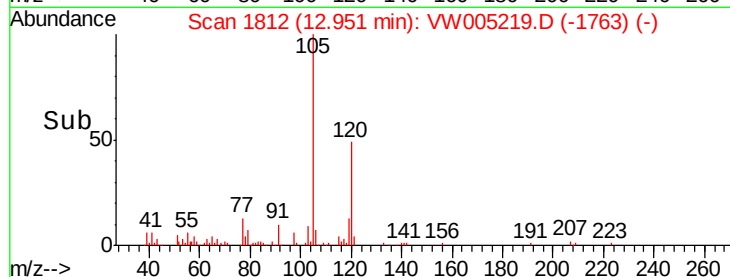
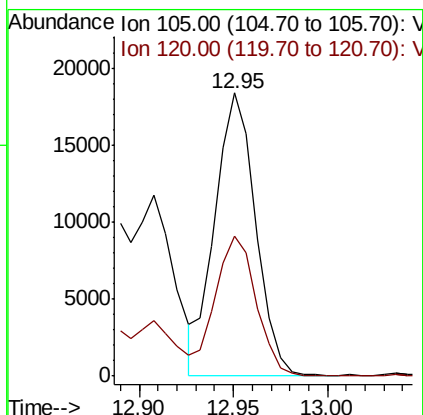
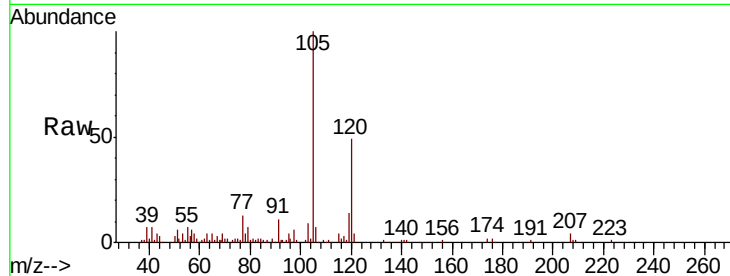




#80
 1,3,5-Trimethylbenzene
 Concen: 1.391 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

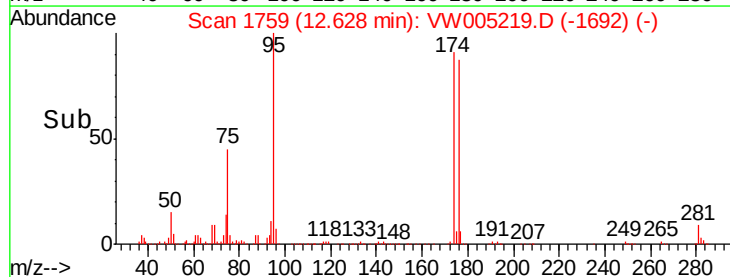
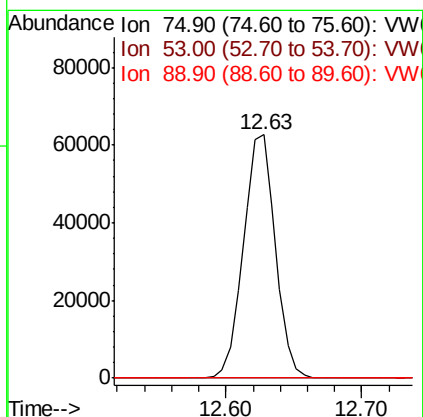
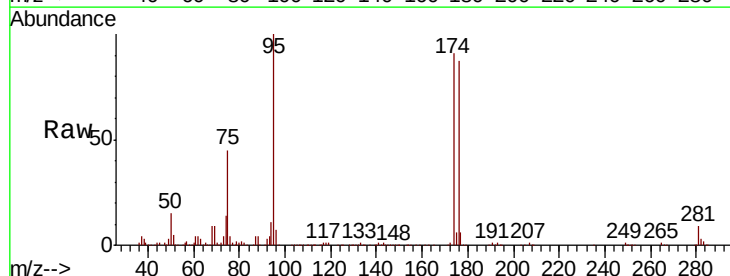
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-A

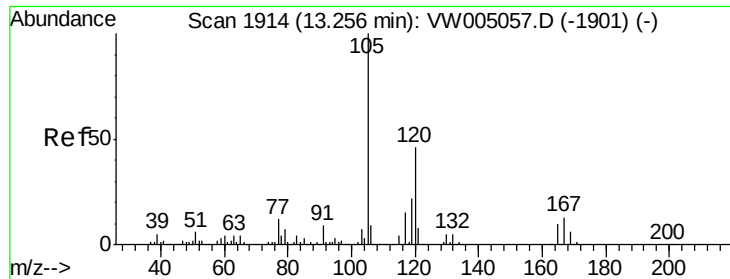
Tgt Ion: 105 Resp: 27677
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.801 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

Tgt Ion: 75 Resp: 102598
 Ion Ratio Lower Upper
 75 100
 53 0.3 69.8 104.8#
 89 0.1 36.0 54.0#

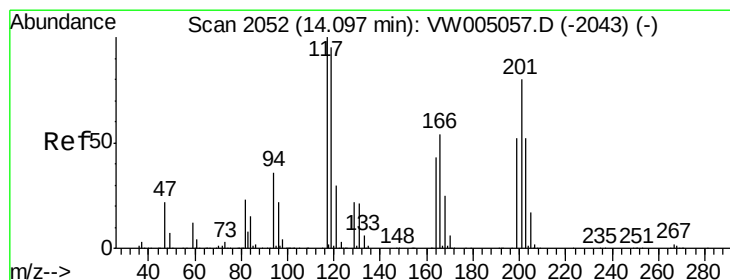
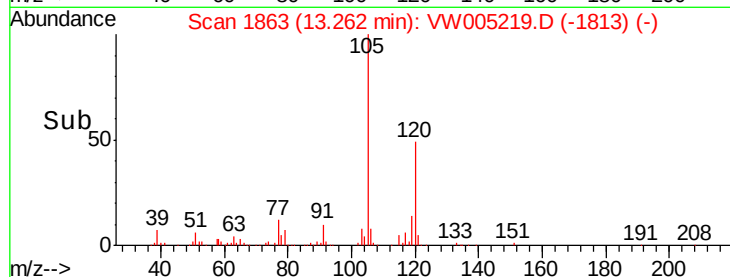
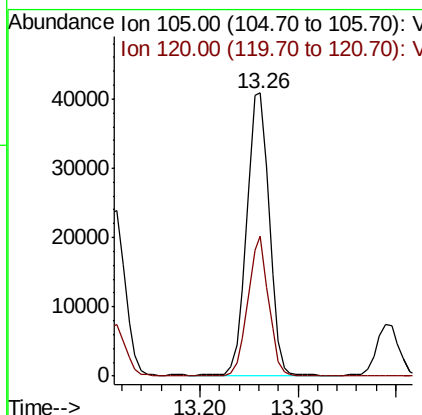
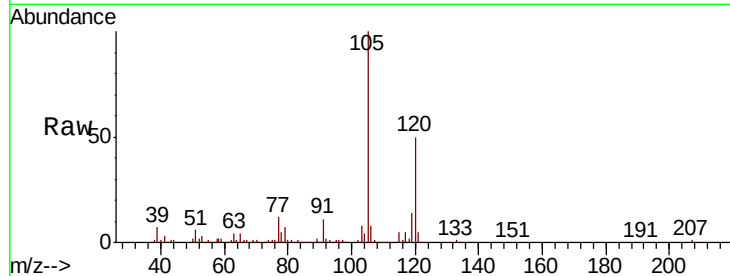




#84
 1,2,4-Trimethylbenzene
 Concen: 3.268 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

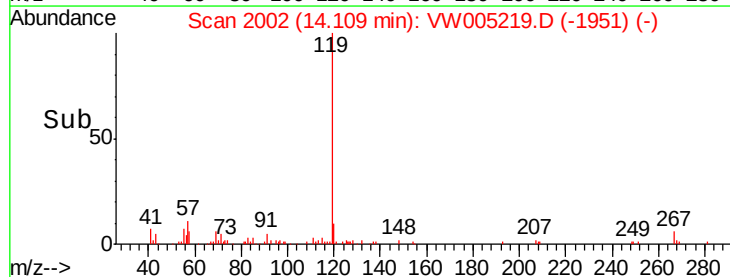
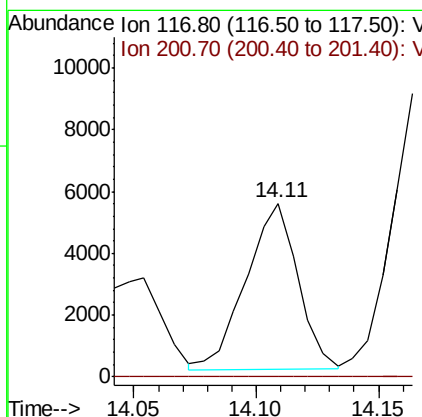
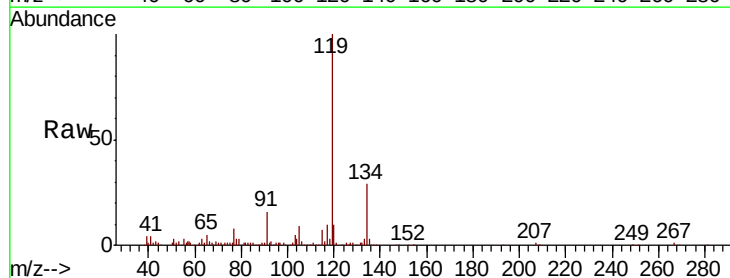
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-A

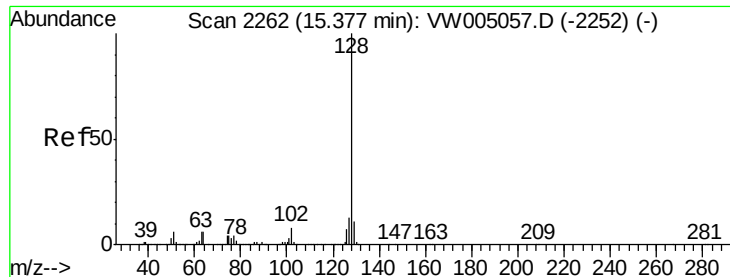
Tgt Ion:105 Resp: 66231
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.1 69.3



#90
 Hexachloroethane
 Concen: 2.201 ug/l
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: VW005219.D
 Acq: 07 Sep 2018 19:32

Tgt Ion:117 Resp: 7904
 Ion Ratio Lower Upper
 117 100
 201 0.0 44.6 133.8#

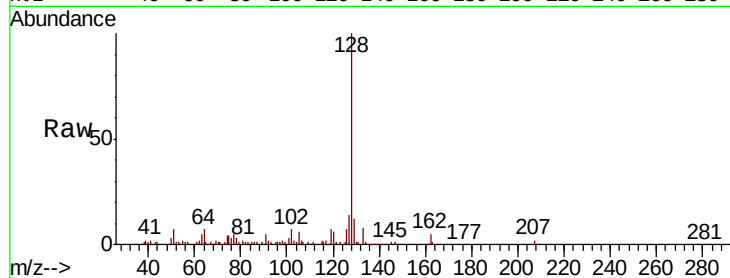




#95
Naphthalene
Concen: 12.799 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005219.D
Acq: 07 Sep 2018 19:32

Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	12.3	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

