

Data File : VW009246.D
Acq On : 19 Mar 2019 17:27
Operator : SY/VA
Sample : K1933-05
Misc : 5.08G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-5

Quant Time: Mar 20 07:33:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	138519	60.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.28%	
35) Dibromofluoromethane	7.88	113	120261	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
50) Toluene-d8	10.32	98	429642	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	144626	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

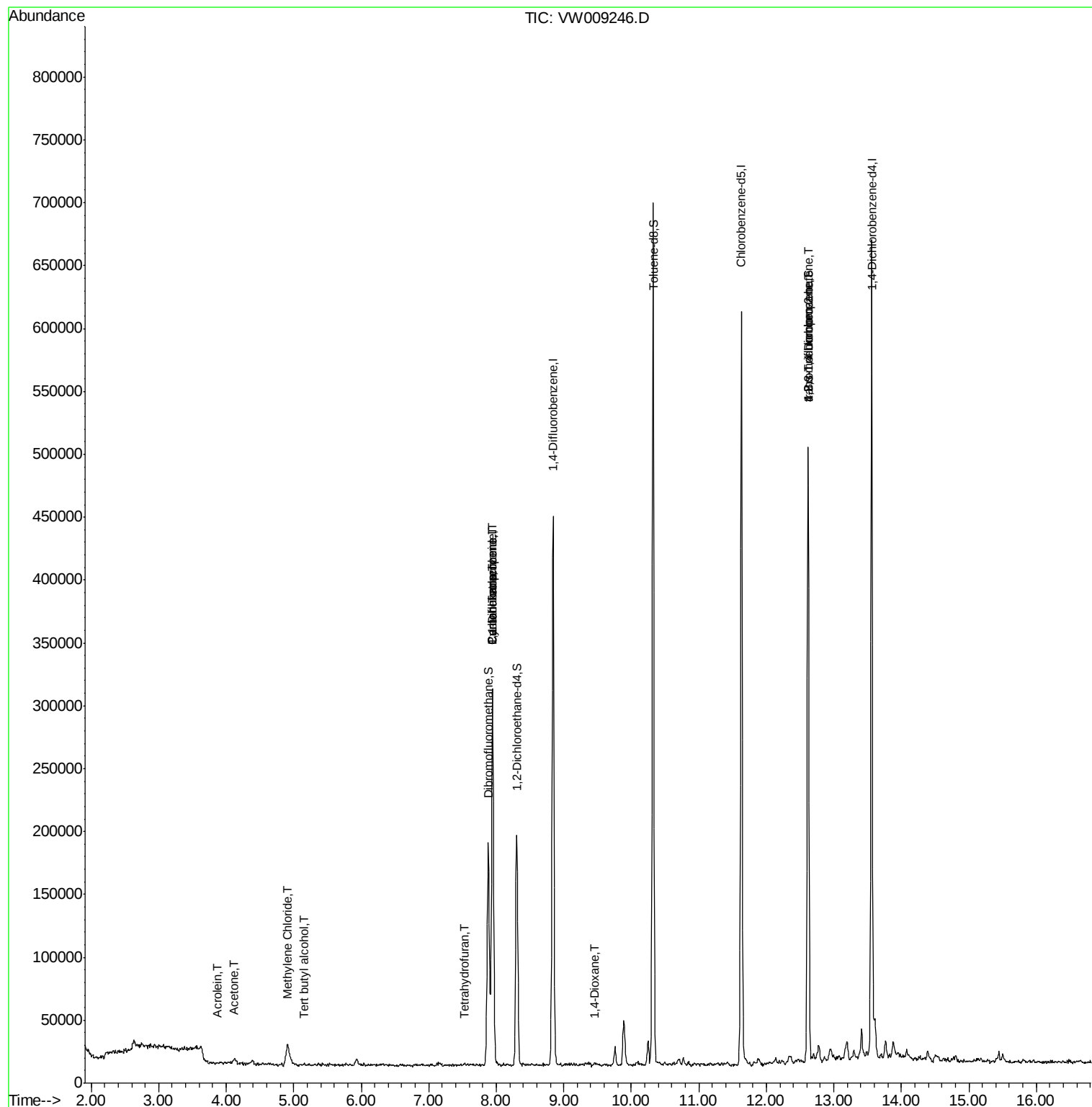
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	557	Below Cal		99
11) Tert butyl alcohol	5.15	59	300	2.244 ug/l #		70
13) Acrolein	3.87	56	185	1.695 ug/l #		39
16) Acetone	4.11	43	7273	15.392 ug/l #		82
20) Methylene Chloride	4.90	84	13230	4.241 ug/l		95
29) Tetrahydrofuran	7.53	42	540	1.255 ug/l #		50
31) Cyclohexane	7.95	56	5855	1.549 ug/l #		32
36) 1,1-Dichloropropene	7.94	75	17986	5.242 ug/l #		49
38) Carbon Tetrachloride	7.95	117	21845	6.016 ug/l #		16
49) 1,4-Dioxane	9.44	88	86	4.263 ug/l #		1
76) 1,2,3-Trichloropropane	12.62	75	79380	54.127 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	79380	132.814 ug/l #		7

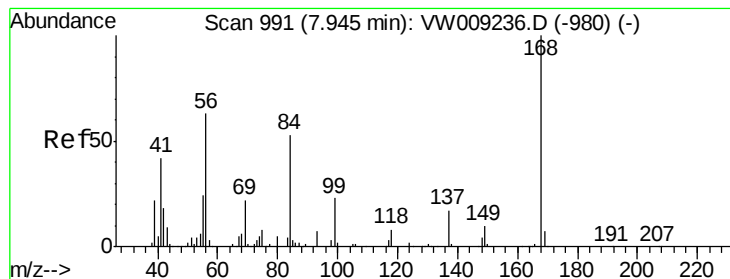
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

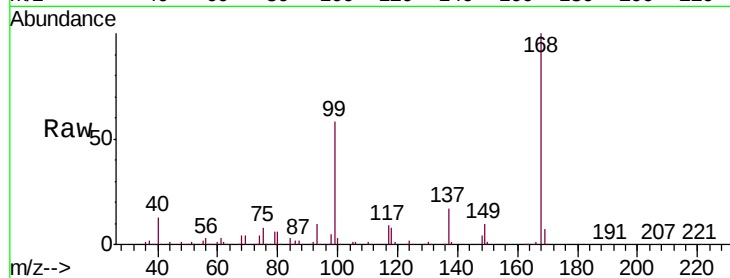
S-5

Tgt Ion:168 Resp: 216524

Ion Ratio Lower Upper

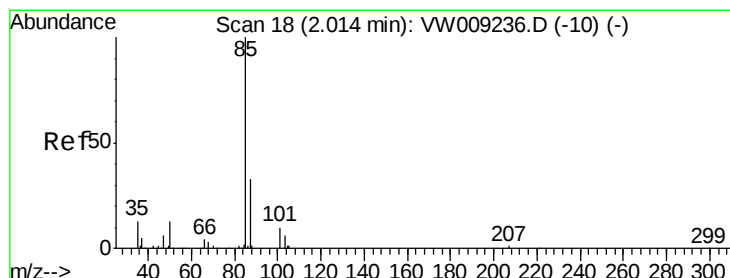
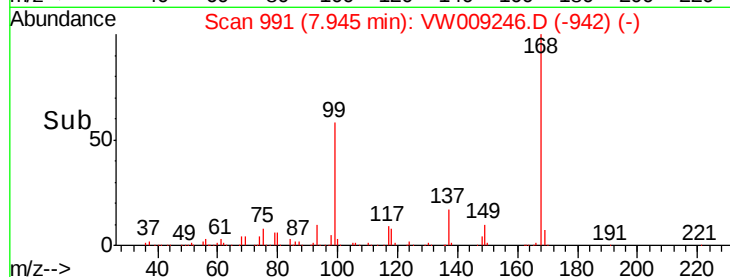
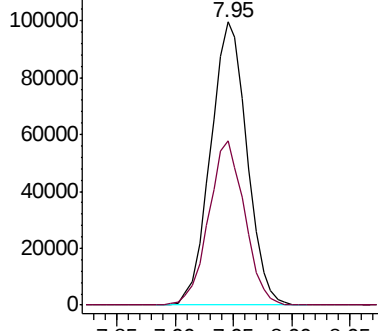
168 100

99 57.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009246.D

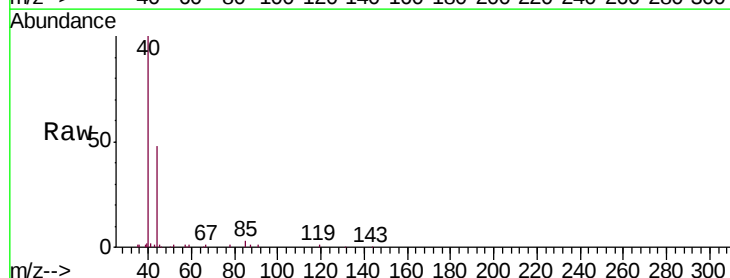
Acq: 19 Mar 2019 17:27

Tgt Ion: 85 Resp: 557

Ion Ratio Lower Upper

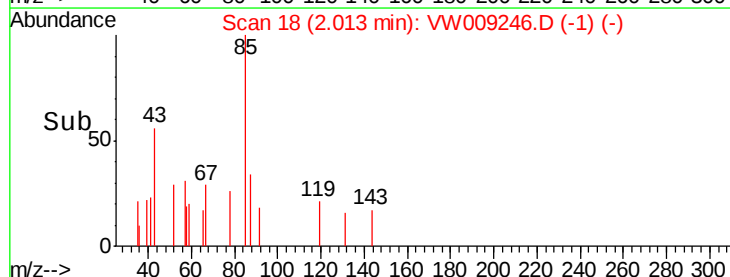
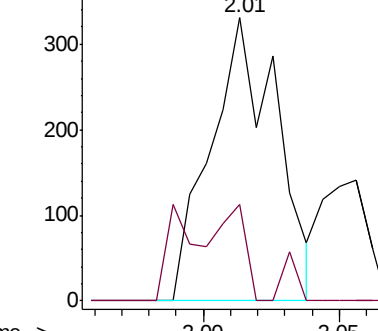
85 100

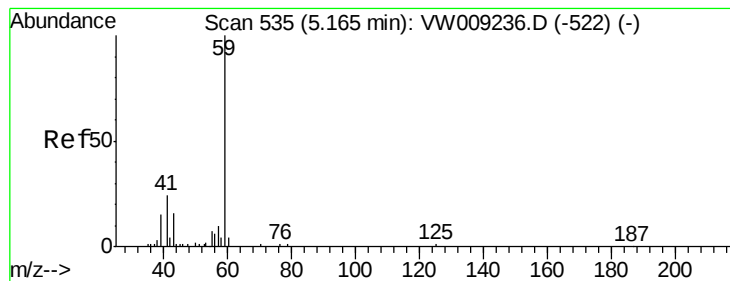
87 33.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#11

Tert butyl alcohol

Concen: 2.244 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

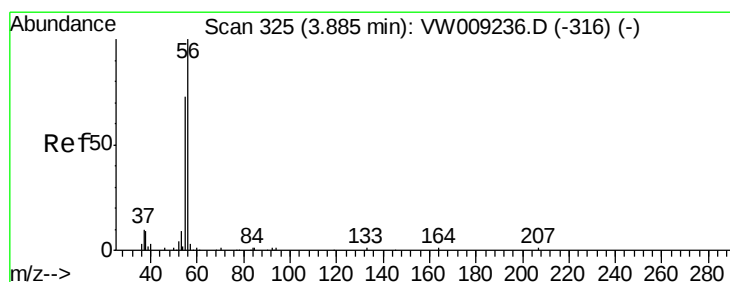
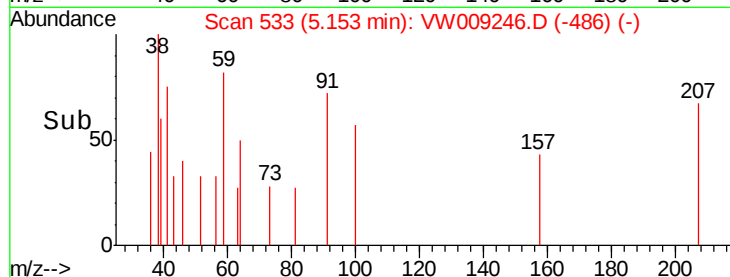
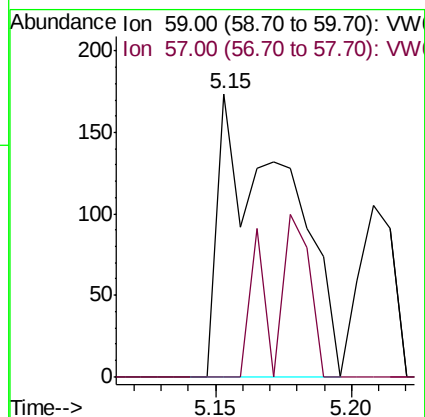
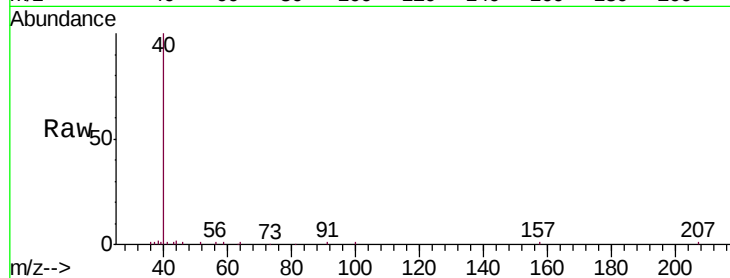
S-5

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#



#13

Acrolein

Concen: 1.695 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW009246.D

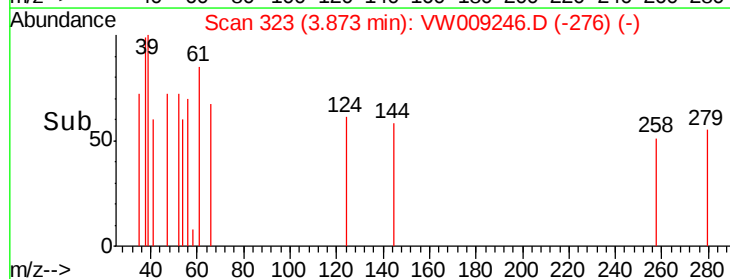
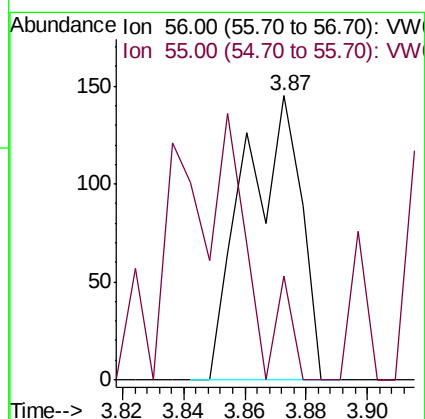
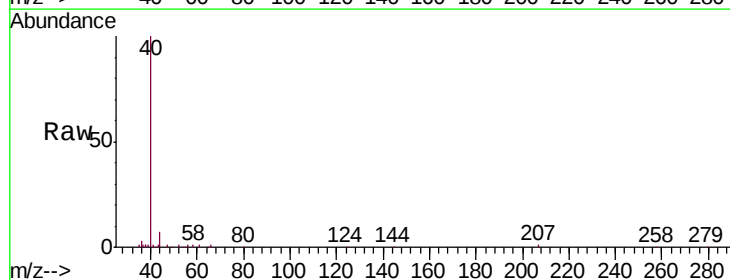
Acq: 19 Mar 2019 17:27

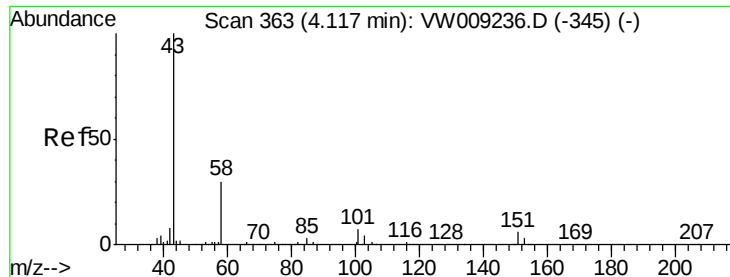
Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 118.4 55.2 82.8#

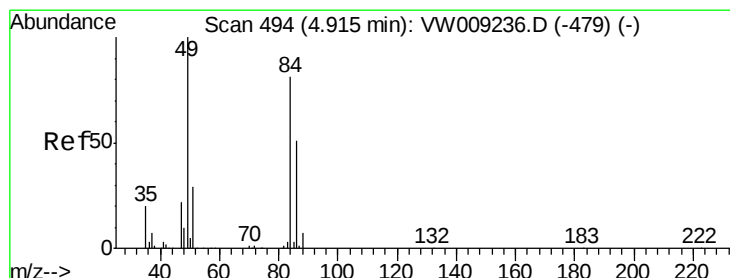
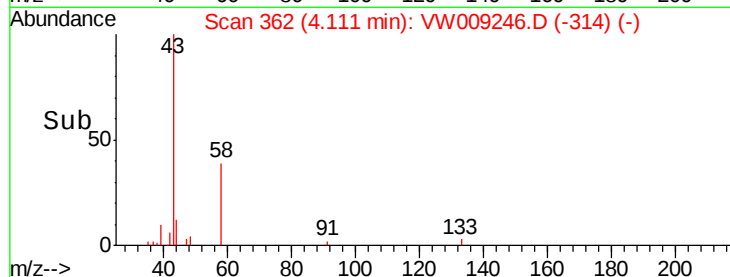
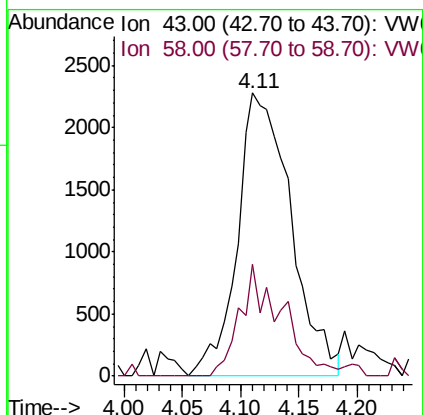
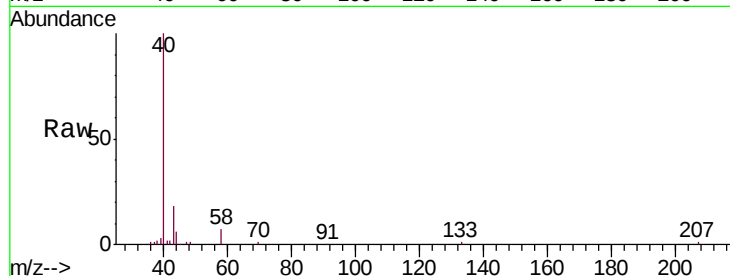




#16
Acetone
Concen: 15.392 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

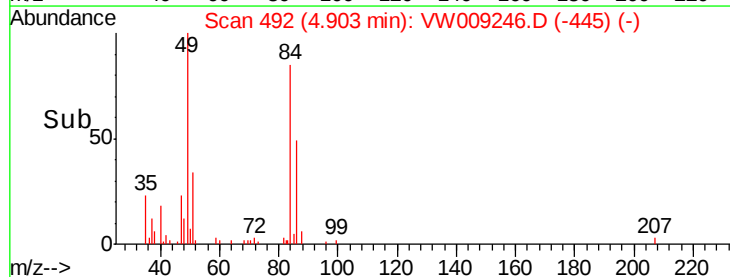
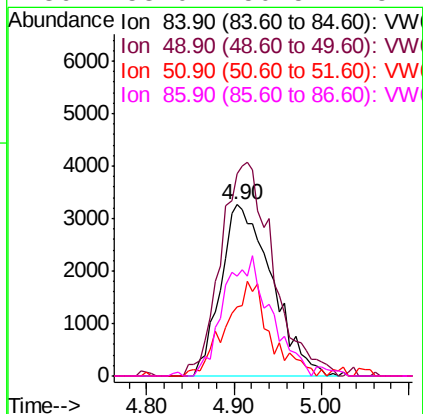
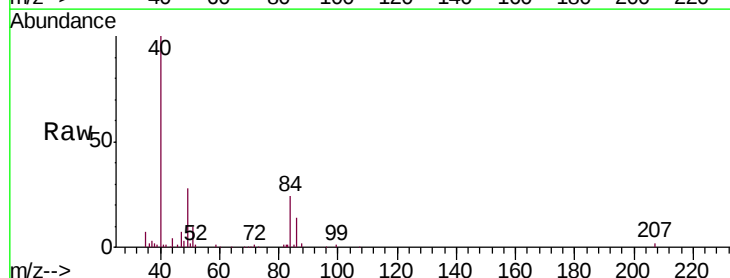
Instrument :
MSVOA_W
ClientSampleId :
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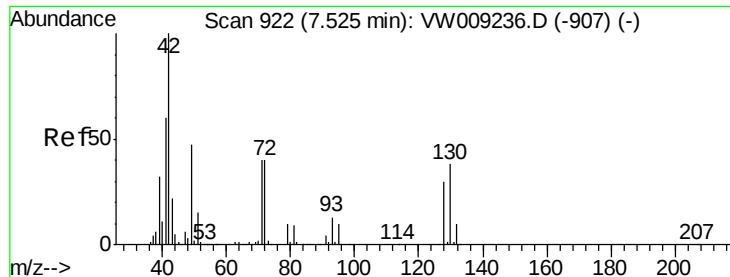
Tgt Ion: 43 Resp: 7273
Ion Ratio Lower Upper
43 100
58 39.4 23.6 35.4#



#20
Methylene Chloride
Concen: 4.241 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

Tgt Ion: 84 Resp: 13230
Ion Ratio Lower Upper
84 100
49 117.8 99.1 148.7
51 37.4 28.7 43.1
86 58.0 50.5 75.7

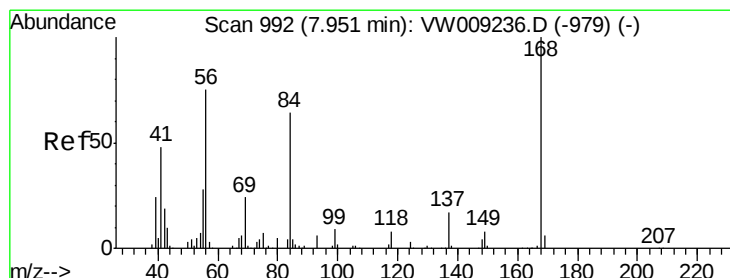
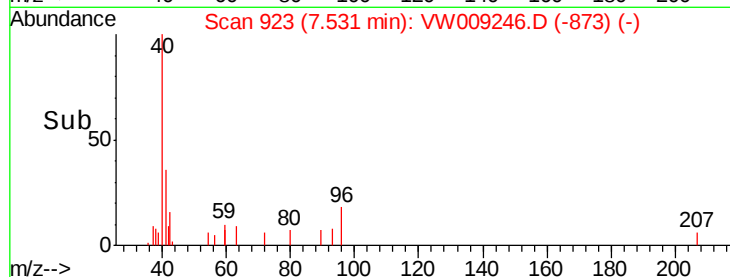
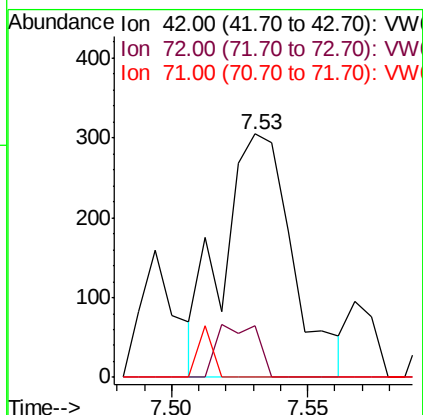
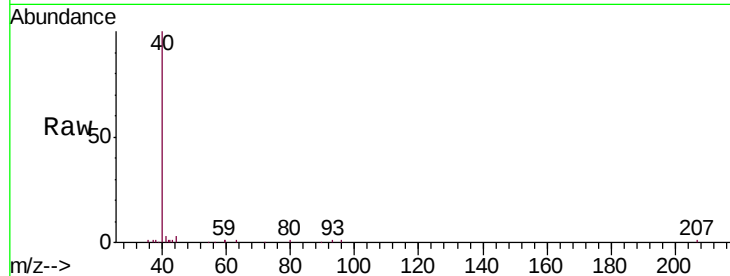




#29
Tetrahydrofuran
Concen: 1.255 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

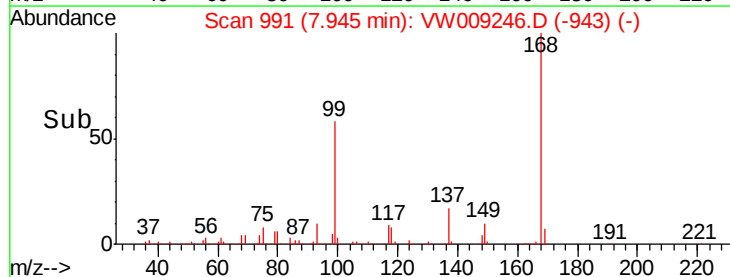
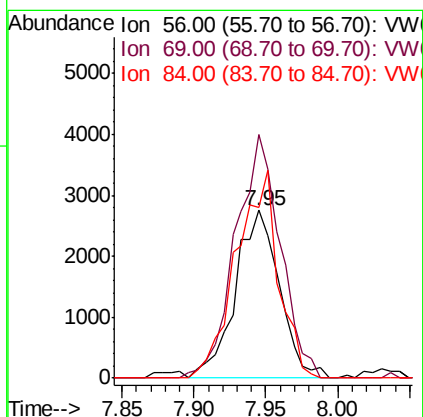
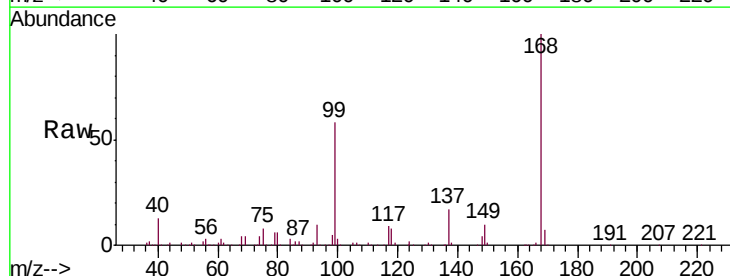
Instrument :
MSVOA_W
ClientSampleId :
S-5

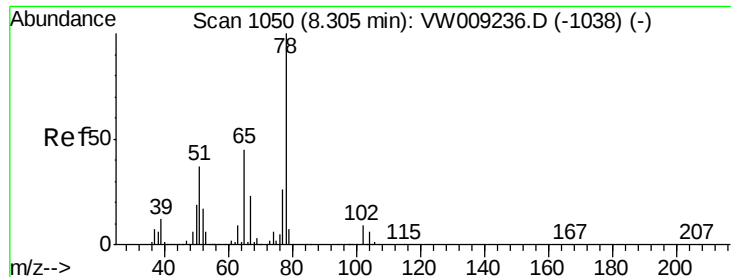
Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 12.6 32.4 48.6#
71 4.3 30.1 45.1#



#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

Tgt Ion: 56 Resp: 5855
Ion Ratio Lower Upper
56 100
69 144.9 26.1 39.1#
84 101.8 68.6 103.0

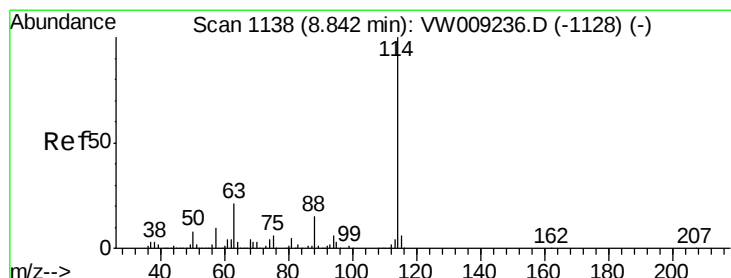
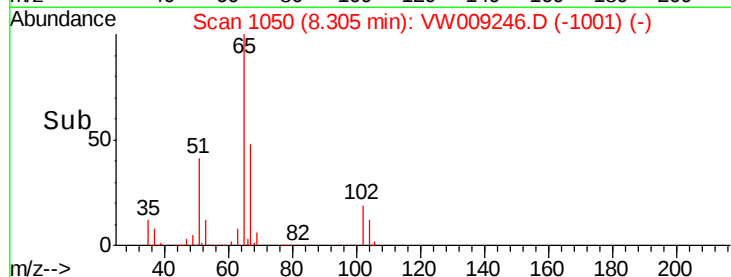
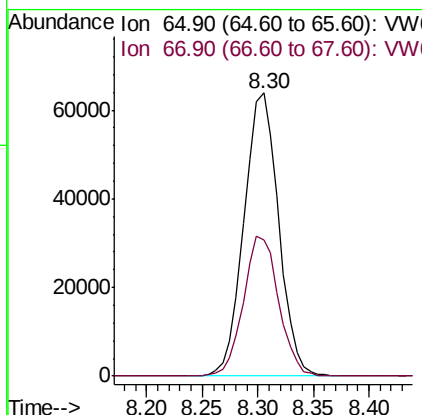
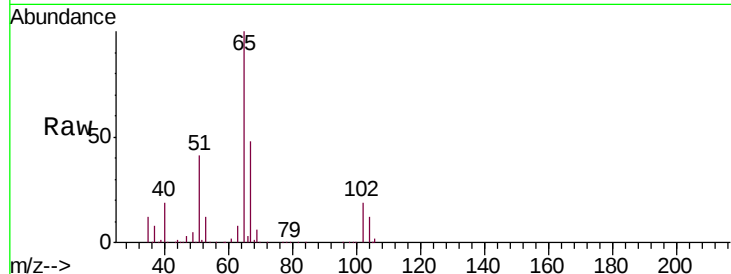




#33
 1,2-Dichloroethane-d4
 Concen: 60.144 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009246.D
 Acq: 19 Mar 2019 17:27

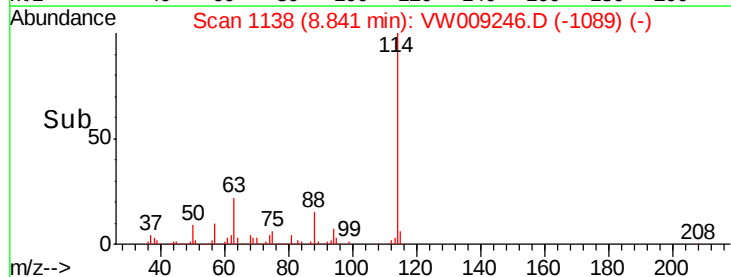
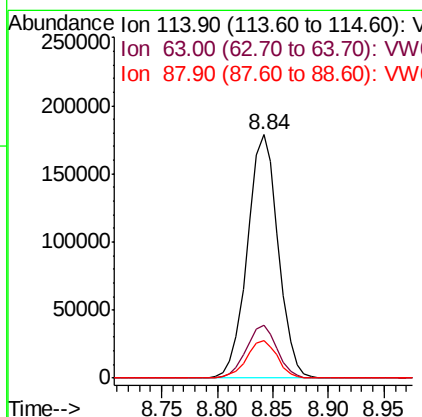
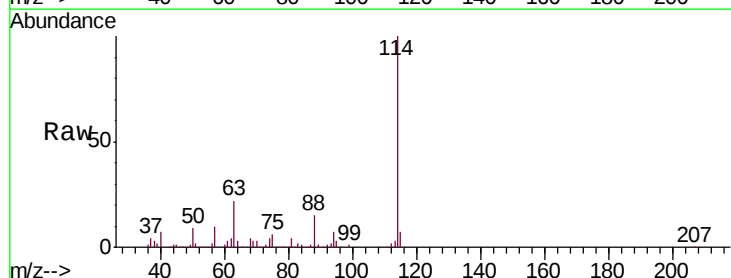
Instrument :
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 ClientSampleId :
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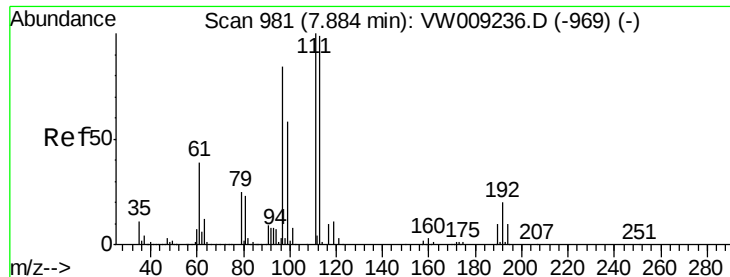
Tgt Ion: 65 Resp: 138519
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009246.D
 Acq: 19 Mar 2019 17:27

Tgt Ion: 114 Resp: 344792
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.985 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

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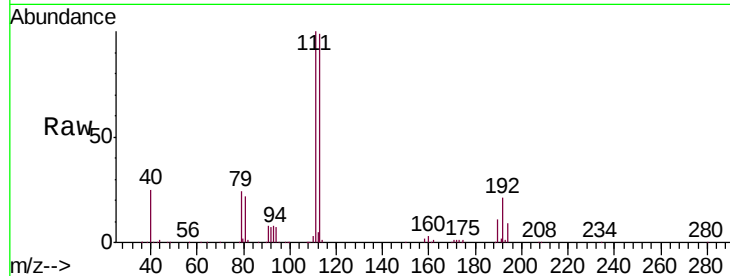
Tgt Ion:113 Resp: 120261

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

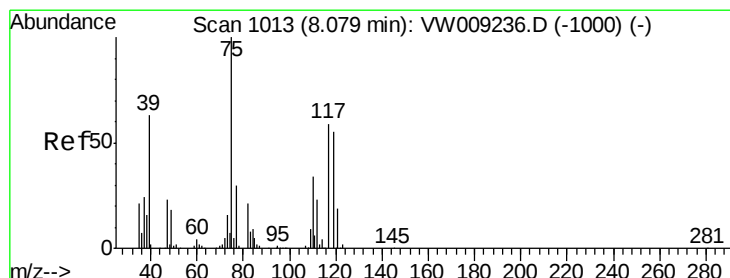
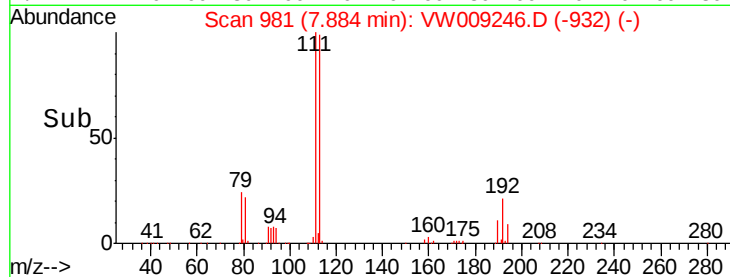
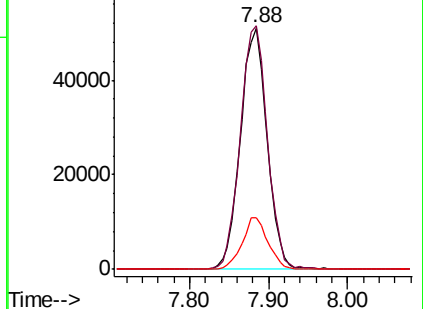
192 20.7 16.4 24.6



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: 5.242 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

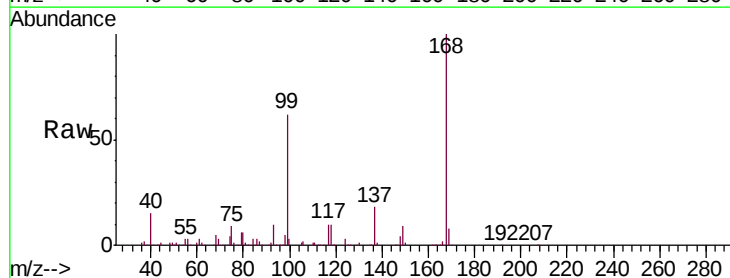
Tgt Ion: 75 Resp: 17986

Ion Ratio Lower Upper

75 100

110 7.2 16.8 50.4#

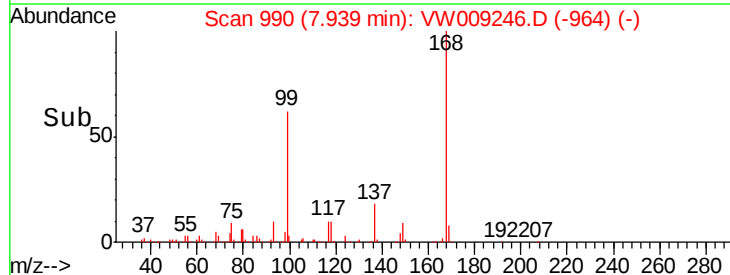
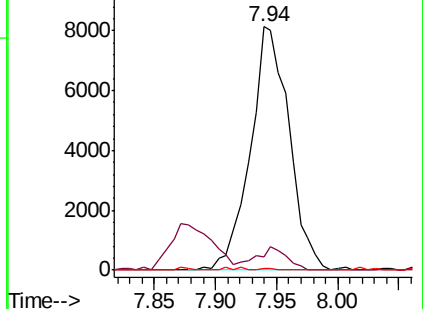
77 0.3 24.6 36.8#

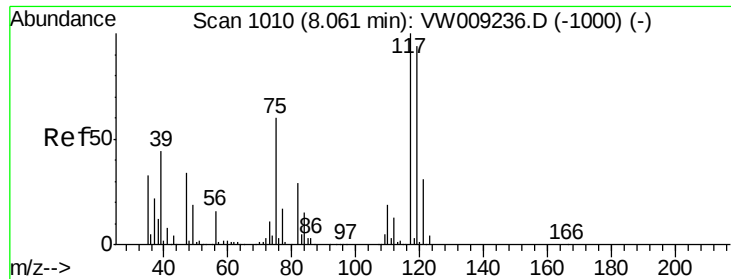


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.016 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.11 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

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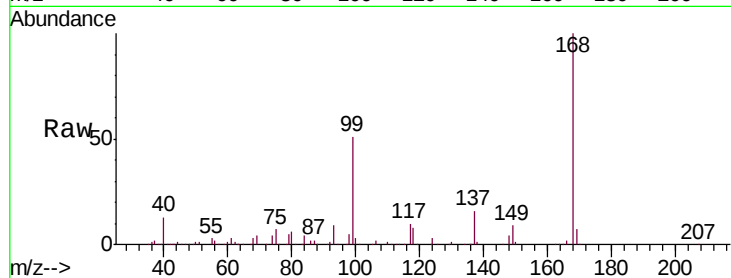
Tgt Ion:117 Resp: 21845

Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

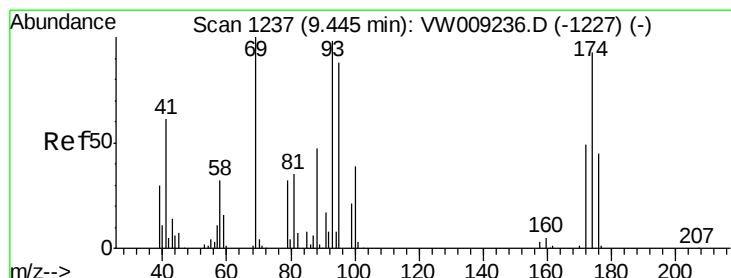
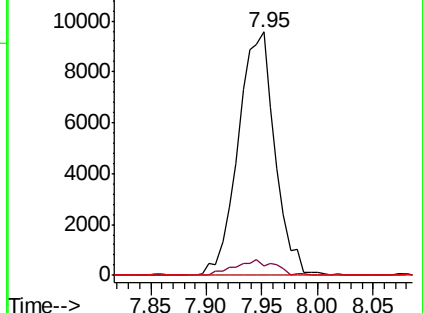
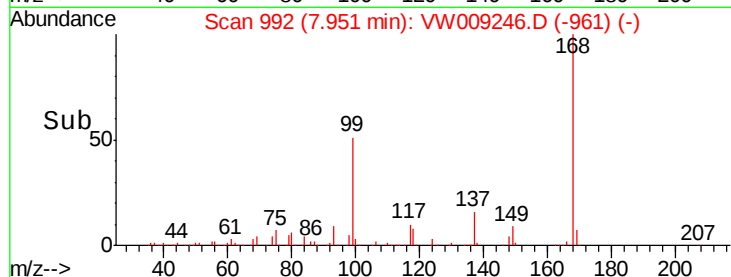
121 0.0 24.9 37.3#



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: 4.263 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

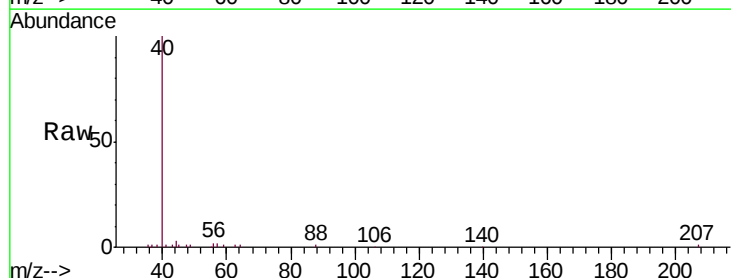
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 357.0 29.7 44.5#

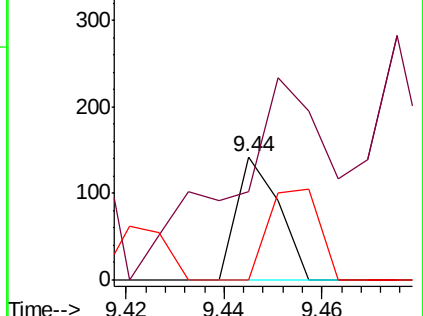
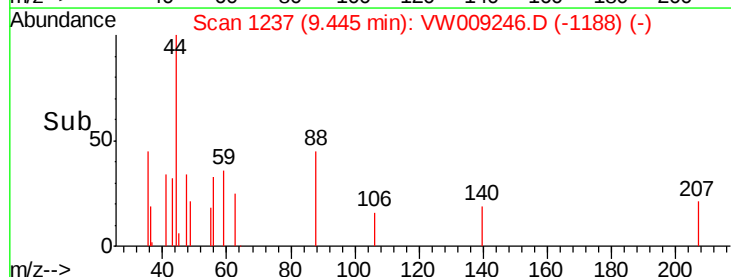
58 87.2 58.1 87.1#

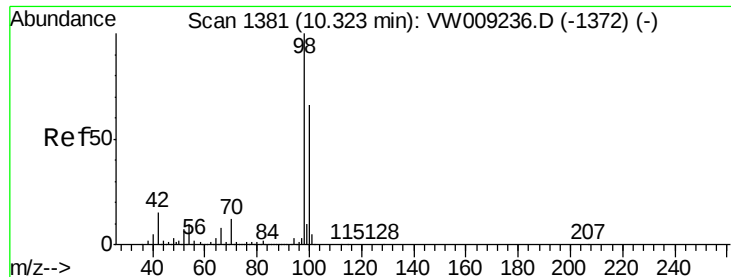


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 54.054 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

Instrument :

MSVOA_W

ClientSampled :

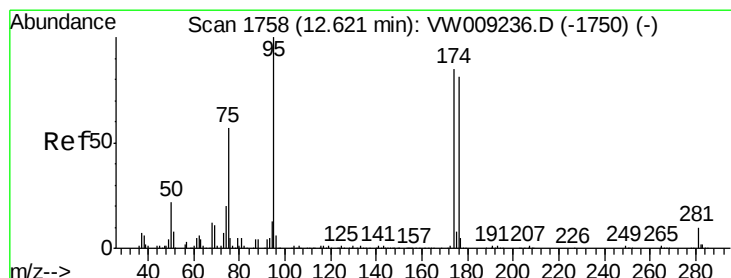
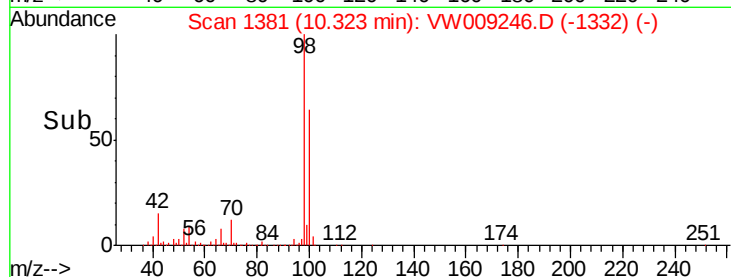
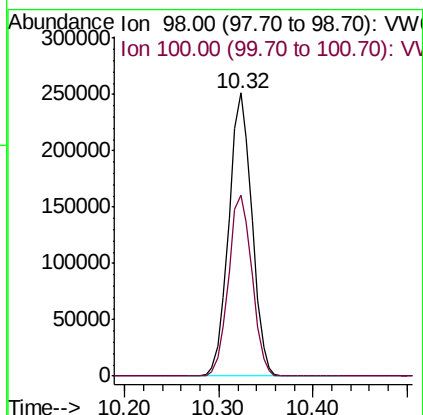
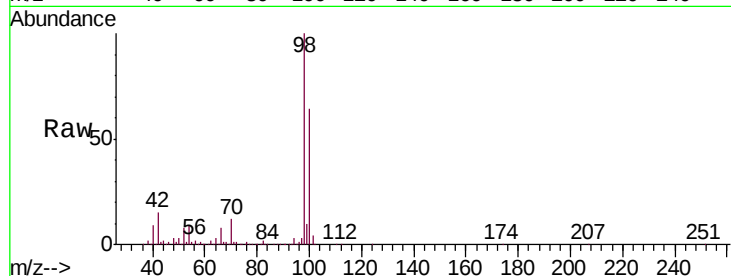
S-5

Tgt Ion: 98 Resp: 429642

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 49.557 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009246.D

Acq: 19 Mar 2019 17:27

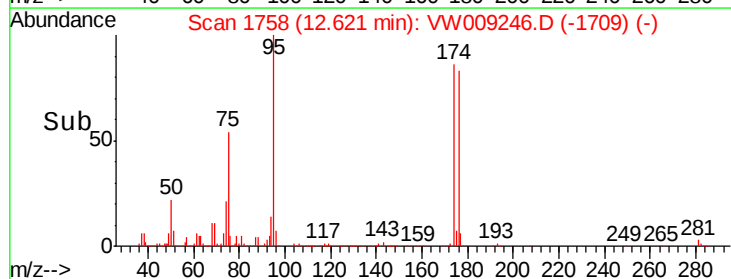
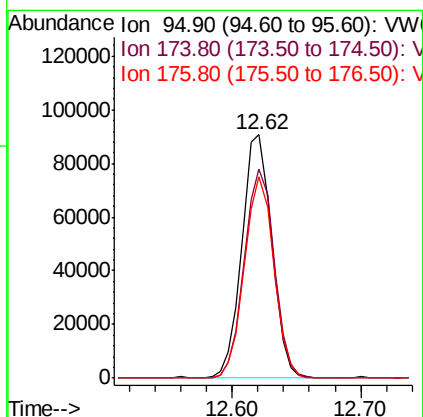
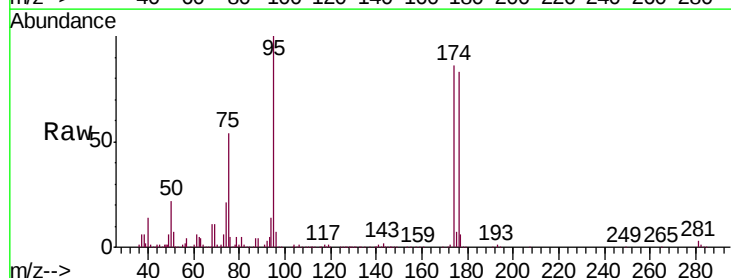
Tgt Ion: 95 Resp: 144626

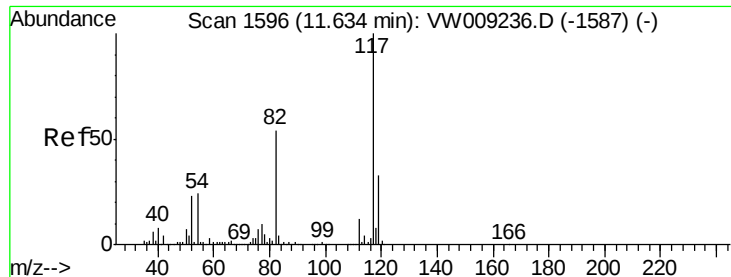
Ion Ratio Lower Upper

95 100

174 86.4 0.0 168.4

176 81.9 0.0 161.6

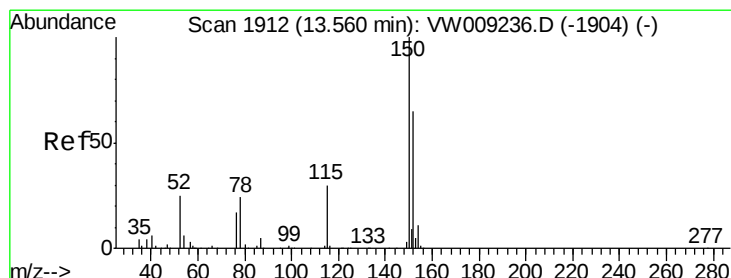
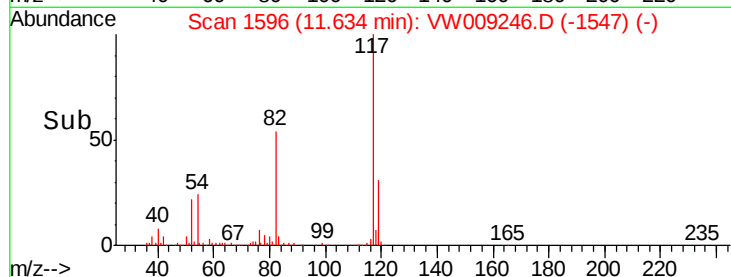
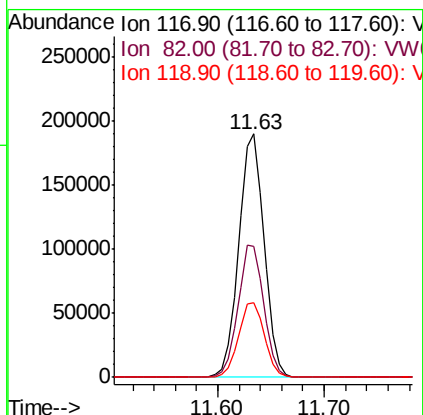
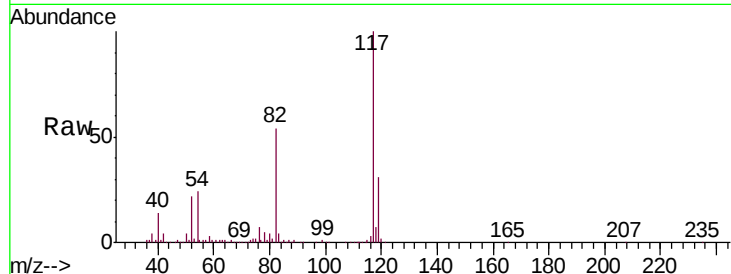




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

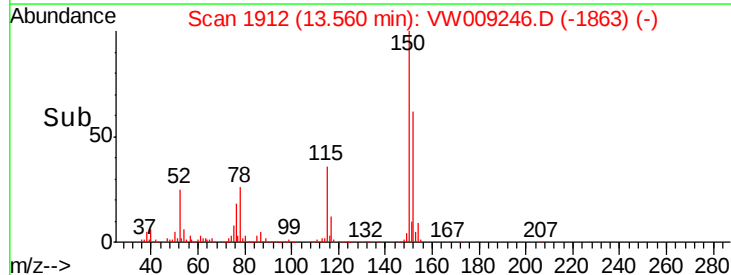
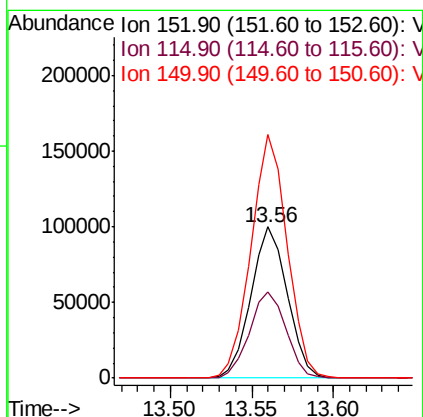
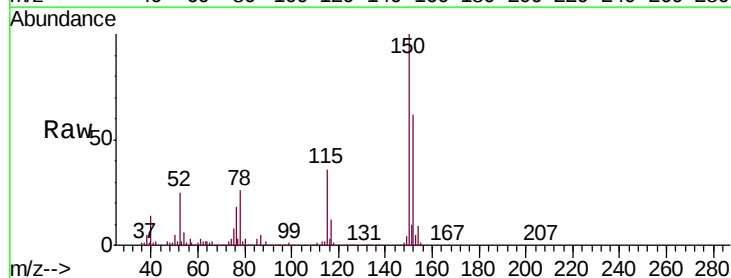
Instrument :
MSVOA_W
ClientSampled :
S-5

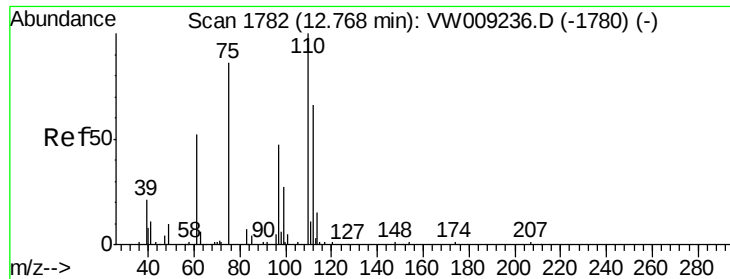
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.6	65.4
119	30.6	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009246.D
Acq: 19 Mar 2019 17:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.6	88.8
150	159.5	0.0	349.2

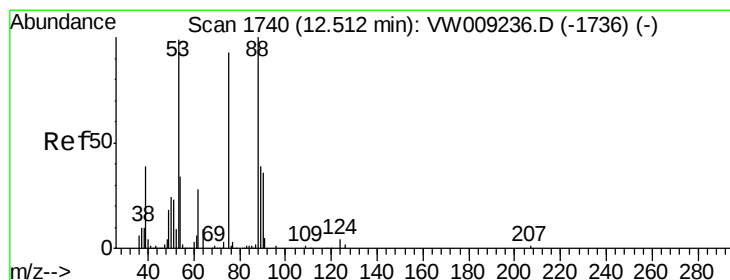
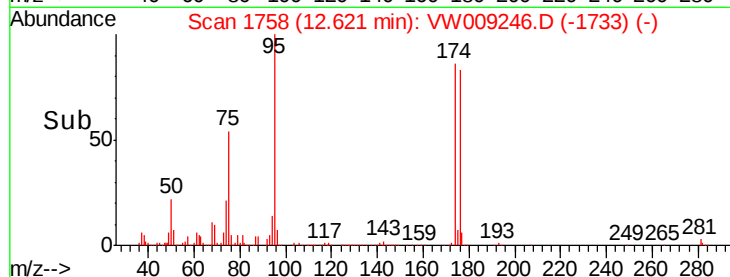
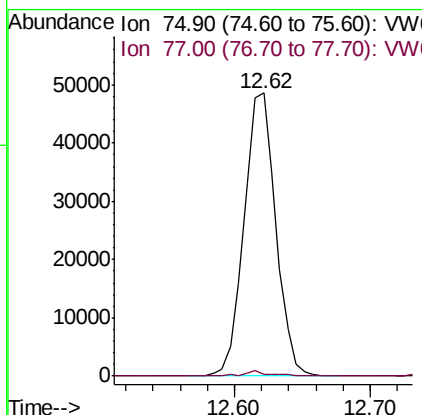
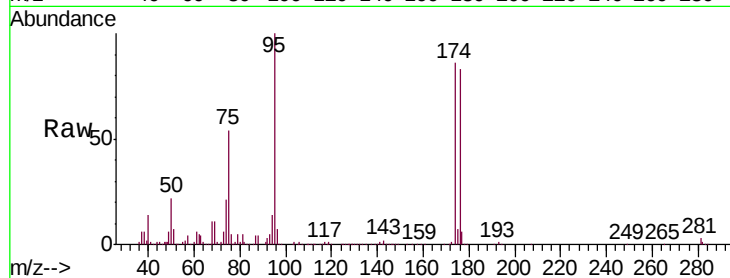




#76
 1,2,3-Trichloropropane
 Concen: 54.127 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW009246.D
 Acq: 19 Mar 2019 17:27

Instrument :
 MSVOA_W
 ClientSampled :
 S-5

Tgt Ion: 75 Resp: 79380
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.814 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW009246.D
 Acq: 19 Mar 2019 17:27

Tgt Ion: 75 Resp: 79380
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.7 130.1#
 89 0.0 36.4 54.6#

