

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008349.D
 Acq On : 18 Jan 2019 11:59
 Operator : SY/VA
 Sample : VW0118SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBL01

Quant Time: Jan 19 01:43:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	142670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54188	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47416	59.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.70%	
35) Dibromofluoromethane	7.88	113	45331	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.32	98	187040	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.62	95	58197	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

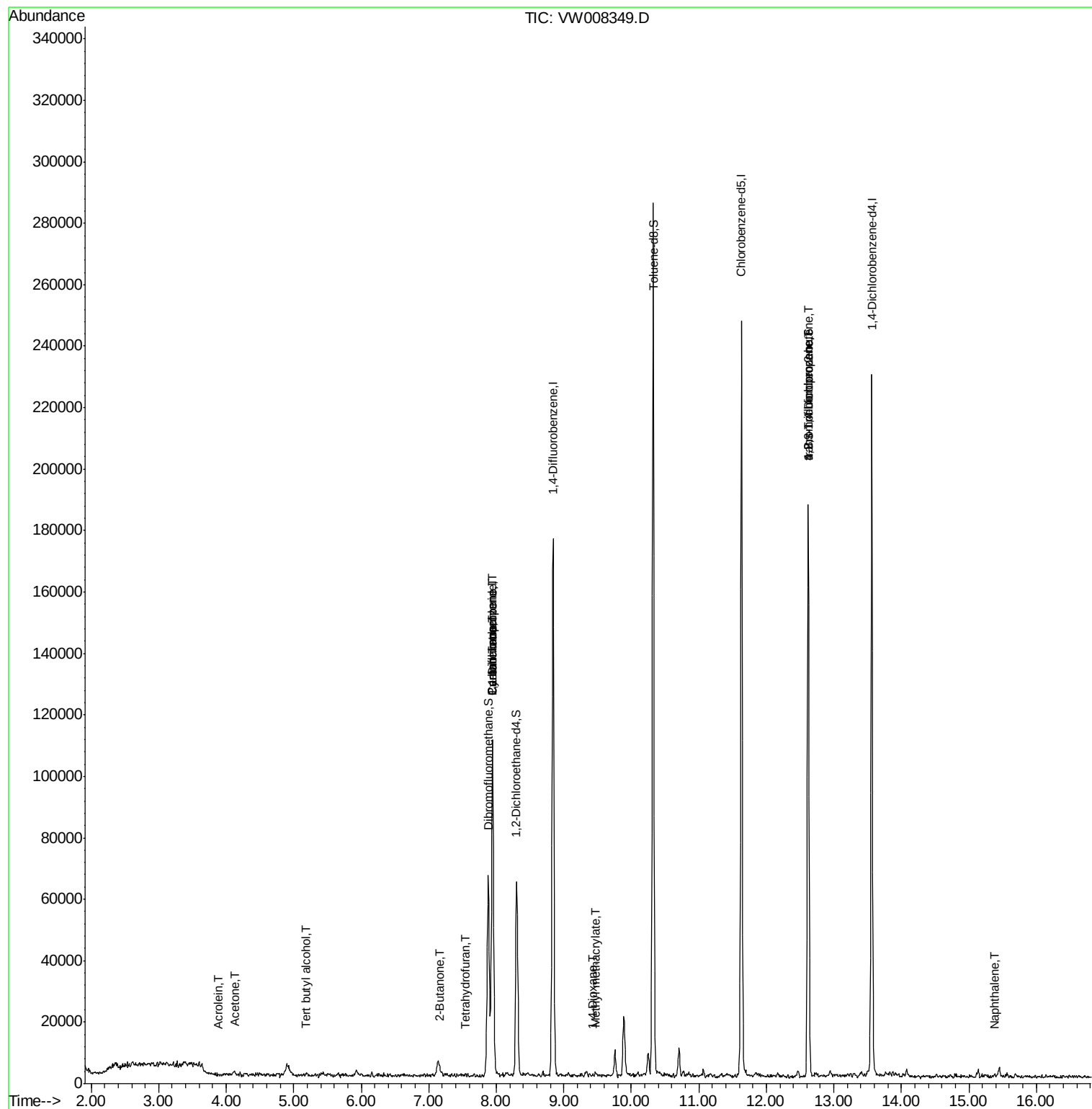
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.18	59	155	2.881	ug/l #	1
13) Acrolein	3.89	56	204	11.318	ug/l #	79
16) Acetone	4.12	43	1816	9.787	ug/l #	87
20) Methylene Chloride	4.92	84	2870	Below Cal	#	90
25) 2-Butanone	7.17	43	242	1.018	ug/l #	48
29) Tetrahydrofuran	7.54	42	178	1.201	ug/l #	47
31) Cyclohexane	7.95	56	2257	1.513	ug/l #	32
36) 1,1-Dichloropropene	7.94	75	6871	4.787	ug/l #	45
38) Carbon Tetrachloride	7.94	117	8158	5.756	ug/l #	19
48) Methyl methacrylate	9.47	41	626	1.189	ug/l #	52
49) 1,4-Dioxane	9.44	88	41	4.838	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	29693	60.172	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29693	143.597	ug/l #	12
95) Naphthalene	15.38	128	740	2.669	ug/l #	85

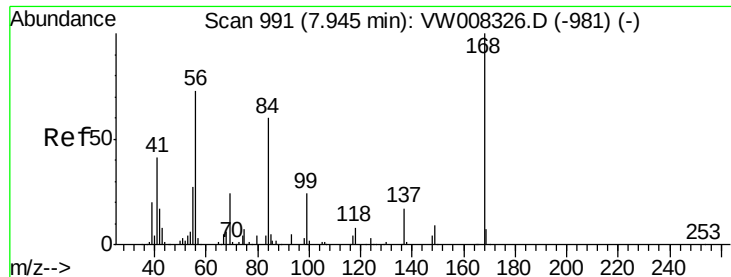
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008349.D

Acq: 18 Jan 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

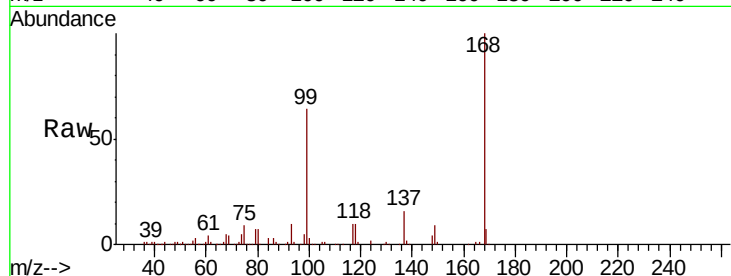
VW0118SBL01

Tgt Ion:168 Resp: 76806

Ion Ratio Lower Upper

168 100

99 64.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

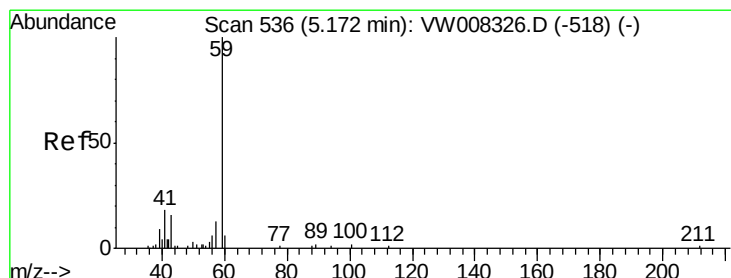
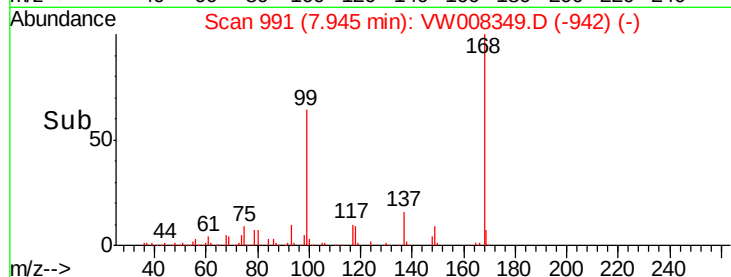
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.881 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008349.D

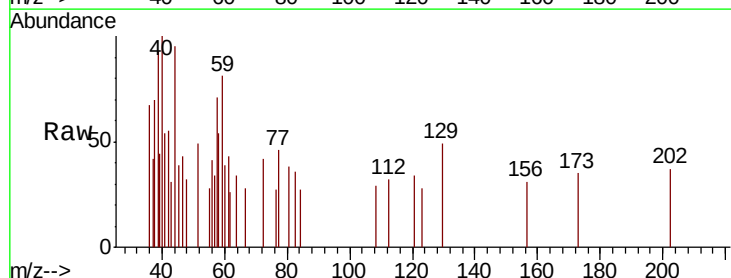
Acq: 18 Jan 2019 11:59

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 164.5 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

100

50

0

5.16

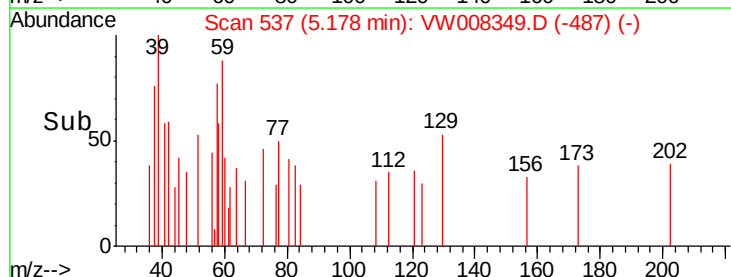
5.17

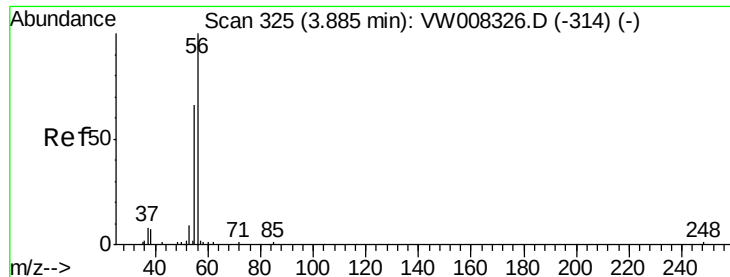
5.18

5.19

5.20

Time-->





#13

Acrolein

Concen: 11.318 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

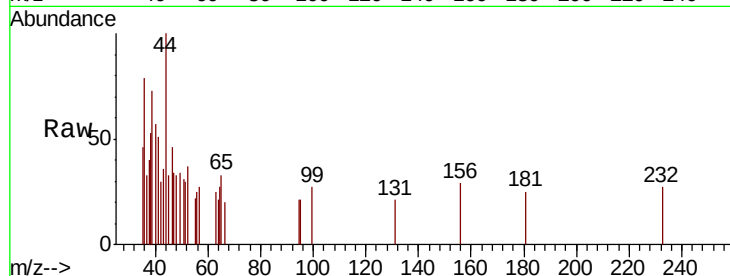
VW0118SBL01

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

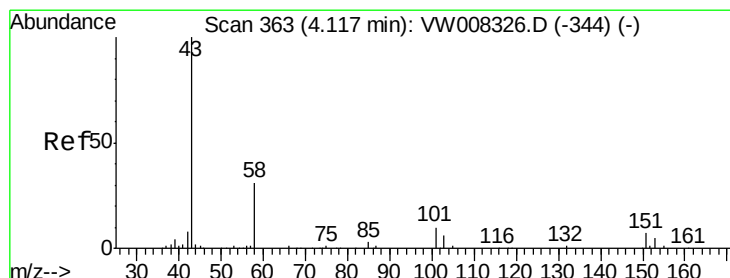
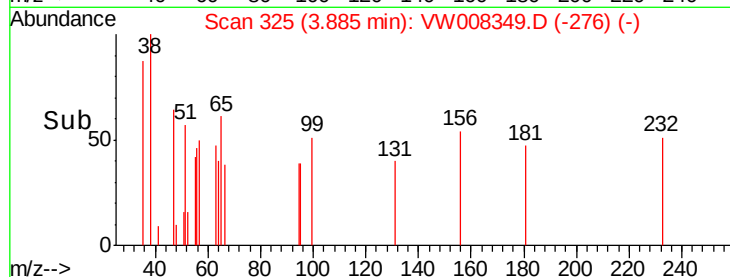
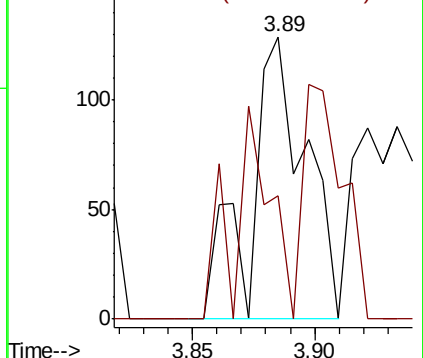
56 100

55 49.5 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 9.787 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008349.D

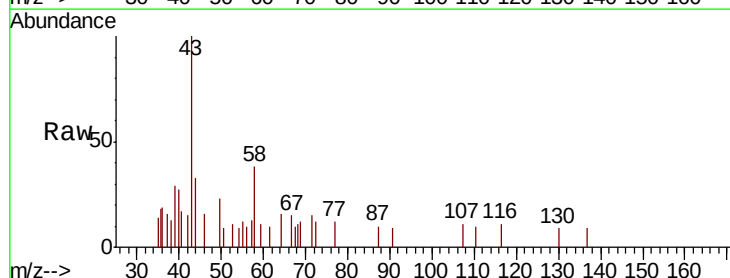
Acq: 18 Jan 2019 11:59

Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

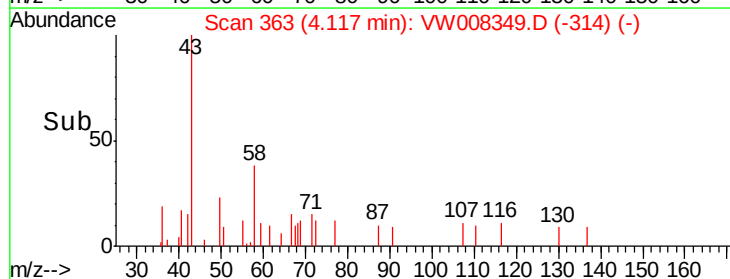
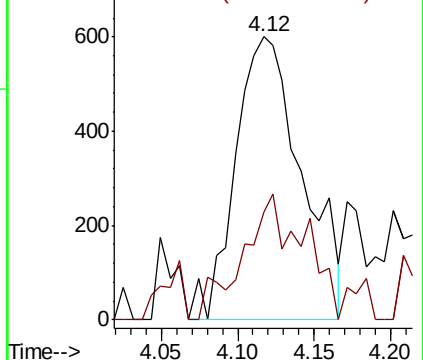
43 100

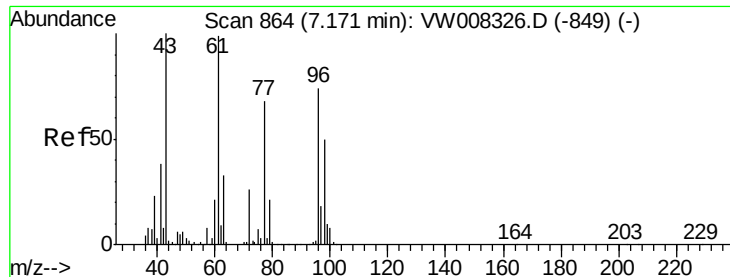
58 38.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.018 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

Instrument :

MSVOA_W

ClientSampled :

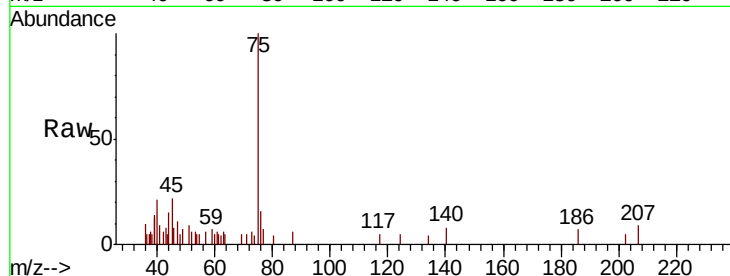
VW0118SBL01

Tgt Ion: 43 Resp: 242

Ion Ratio Lower Upper

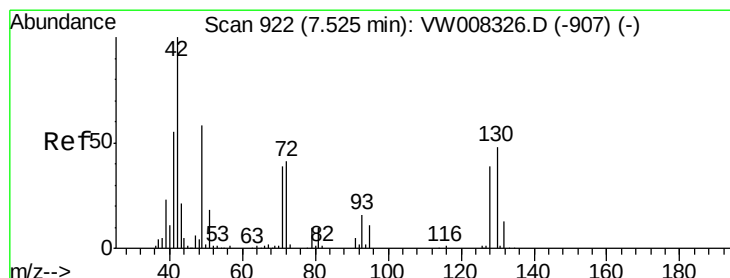
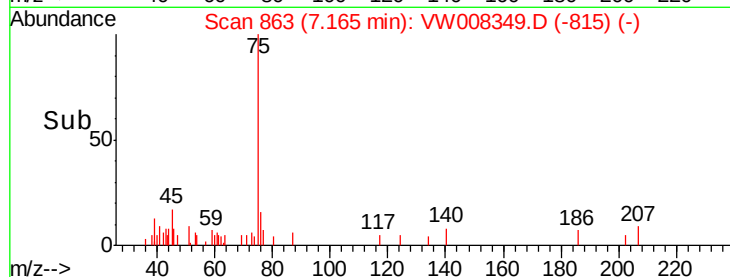
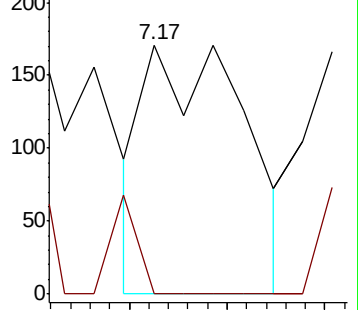
43 100

72 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.201 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

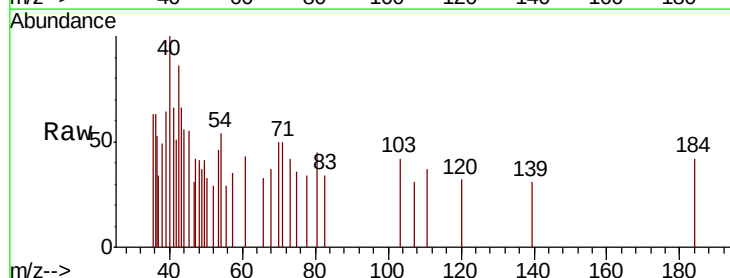
Tgt Ion: 42 Resp: 178

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

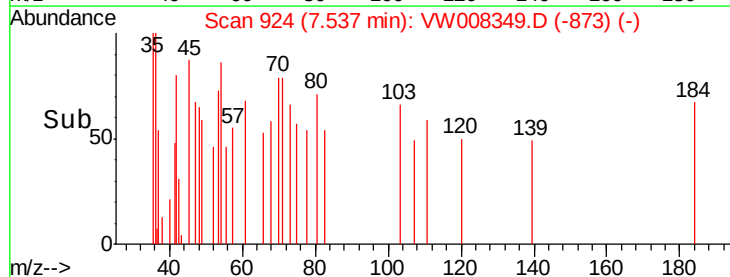
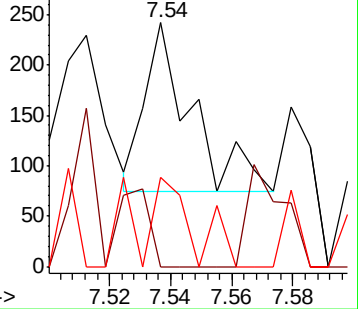
71 63.5 32.0 48.0#

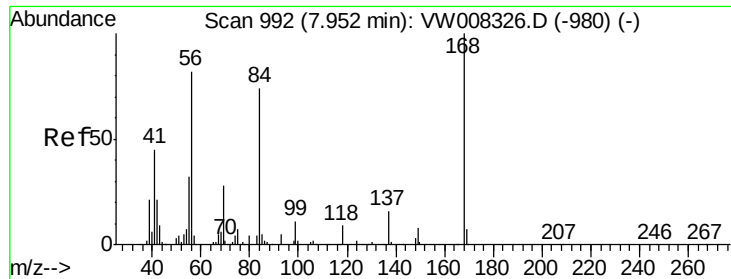


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

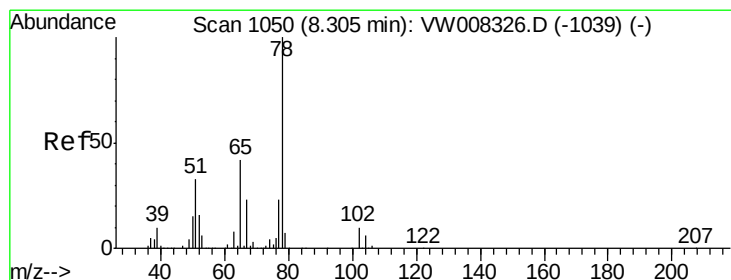
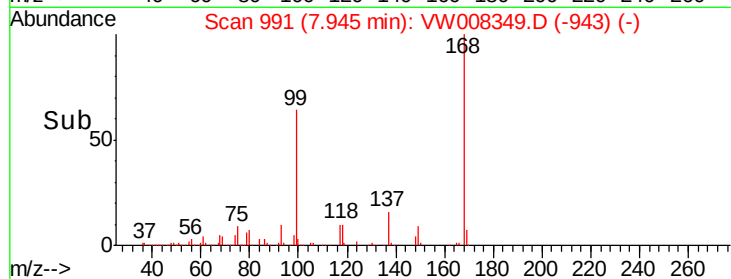
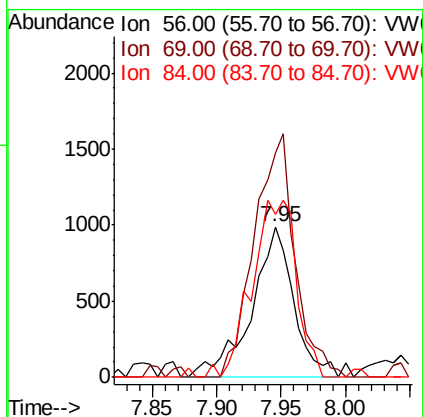
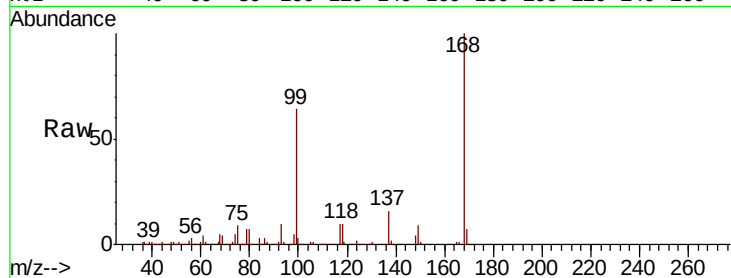




#31
Cyclohexane
Concen: 1.513 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

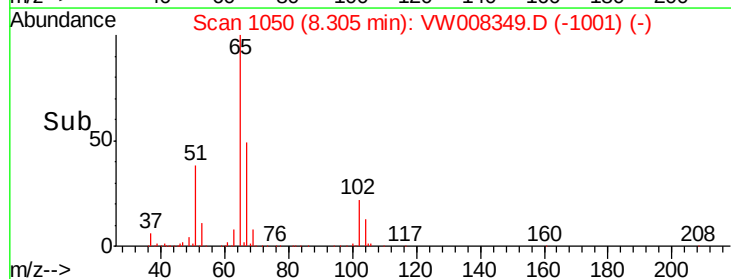
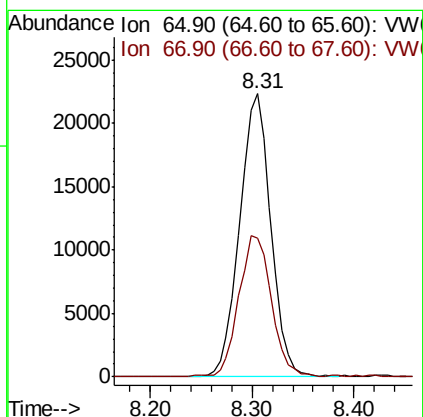
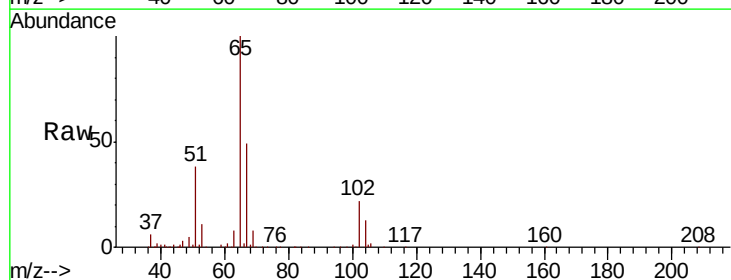
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBL01

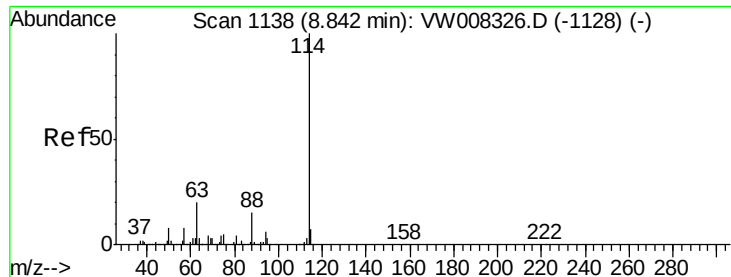
Tgt Ion: 56 Resp: 2257
Ion Ratio Lower Upper
56 100
69 149.1 27.0 40.6#
84 108.2 72.5 108.7



#33
1,2-Dichloroethane-d4
Concen: 59.347 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

Tgt Ion: 65 Resp: 47416
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBL01

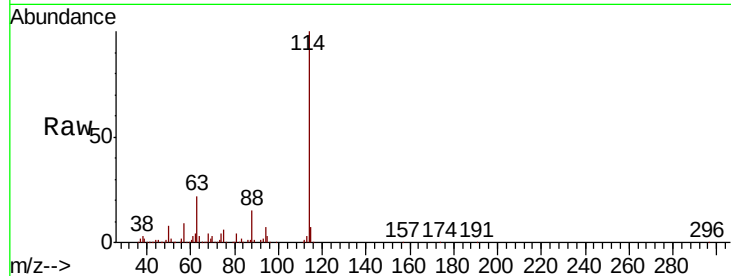
Tgt Ion:114 Resp: 142670

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

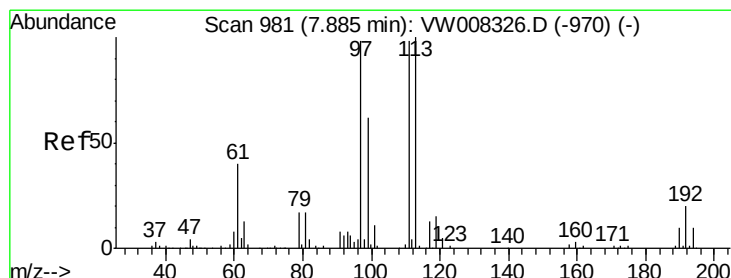
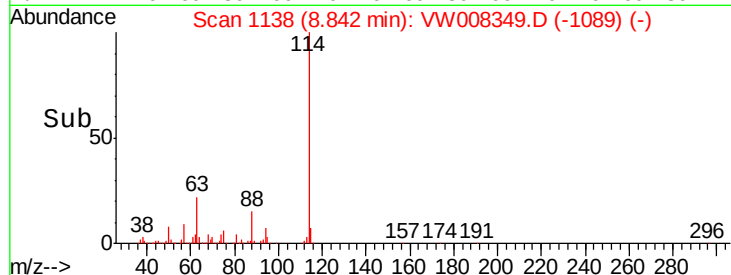
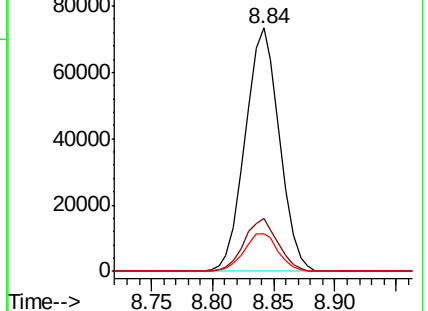
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 49.775 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

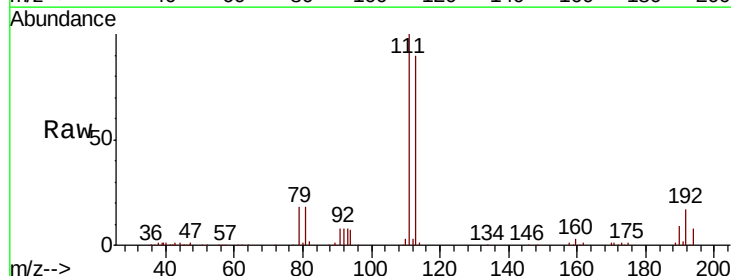
Tgt Ion:113 Resp: 45331

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

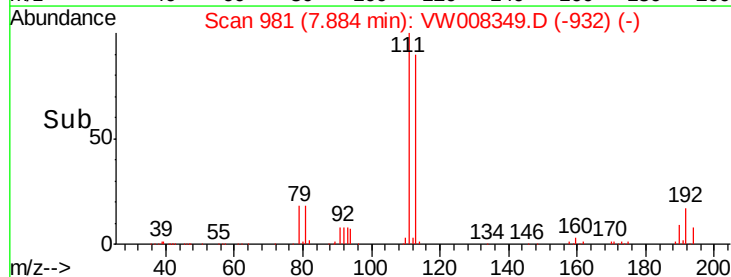
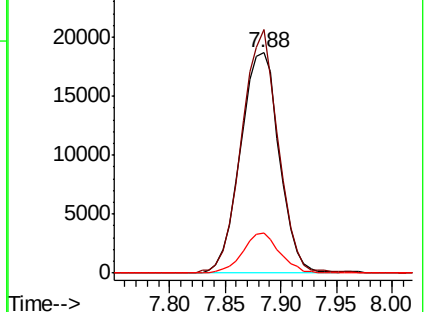
192 17.1 16.3 24.5

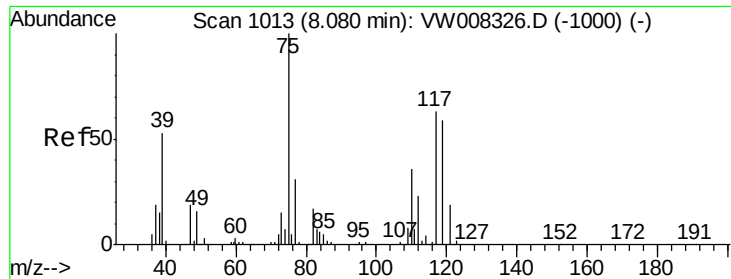


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

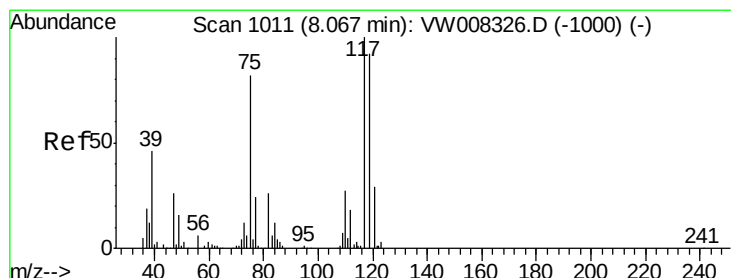
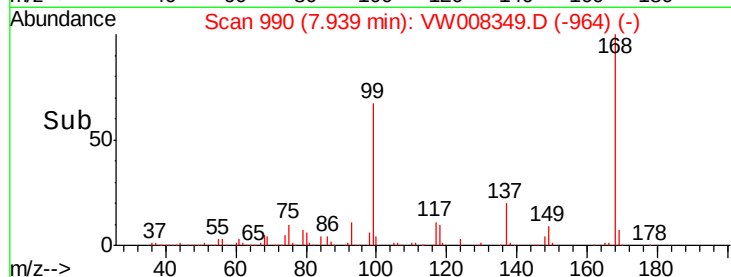
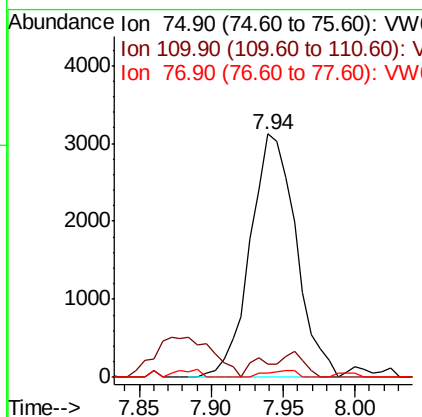
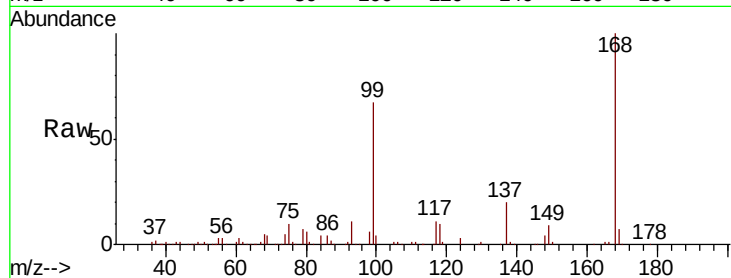




#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008349.D
 Acq: 18 Jan 2019 11:59

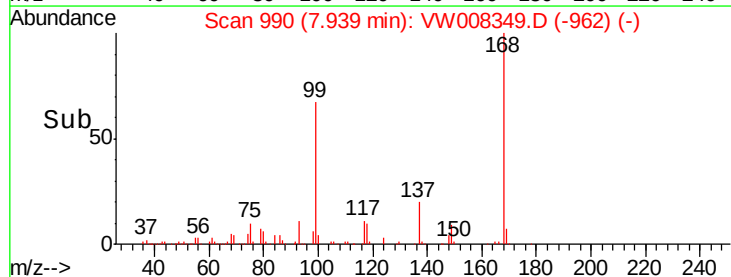
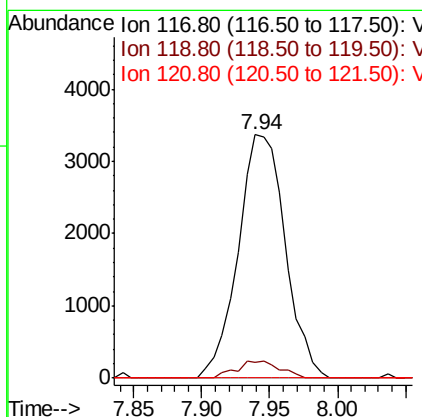
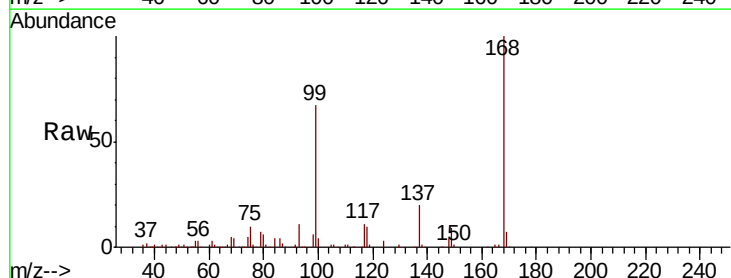
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 VW0118SBL01

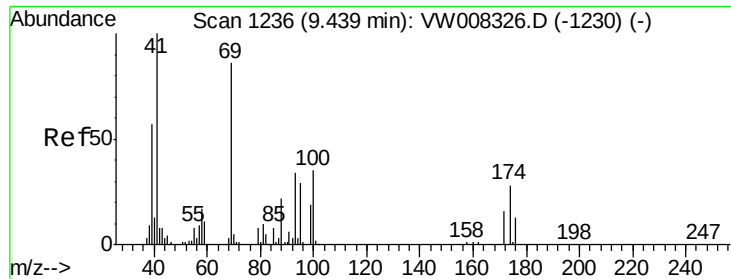
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.2	17.5	52.6#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.756 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008349.D
 Acq: 18 Jan 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	73.8	110.6#
121	0.0	23.4	35.0#

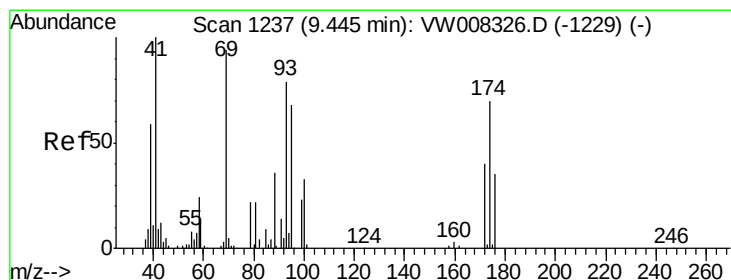
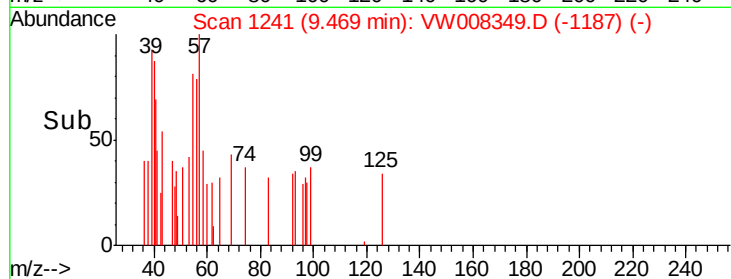
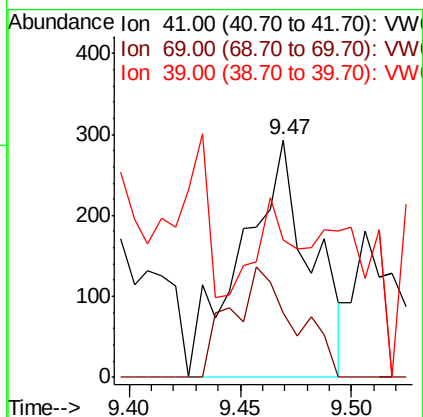
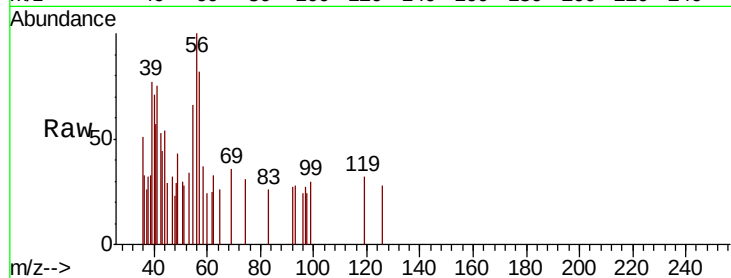




#48
Methyl methacrylate
Concen: 1.189 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

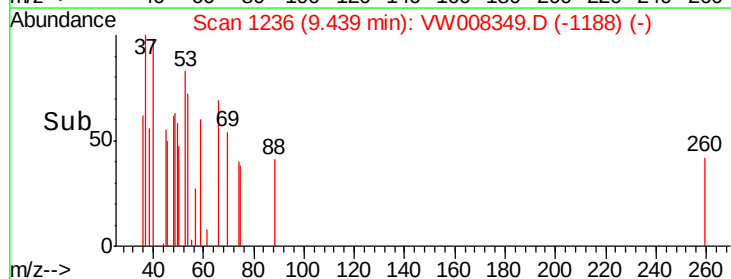
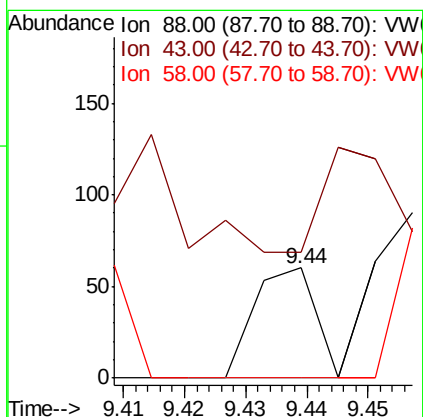
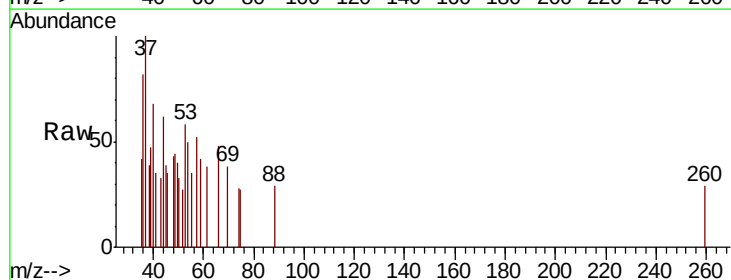
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBL01

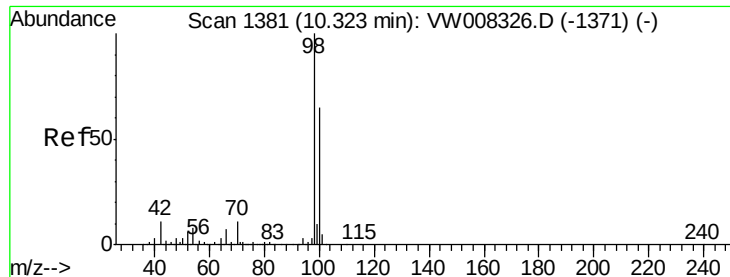
Tgt Ion: 41 Resp: 626
Ion Ratio Lower Upper
41 100
69 43.5 68.2 102.4#
39 18.8 46.0 69.0#



#49
1,4-Dioxane
Concen: 4.838 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 290.2 27.1 40.7#
58 0.0 57.9 86.9#





#50

Toluene-d8

Concen: 52.278 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

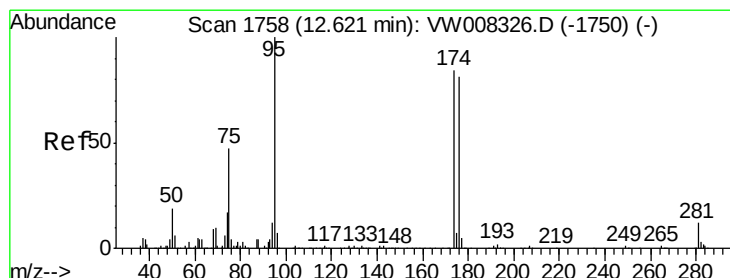
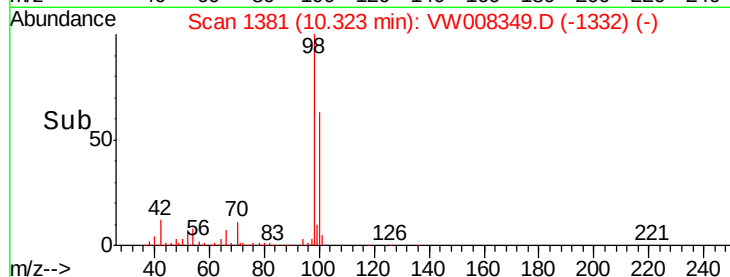
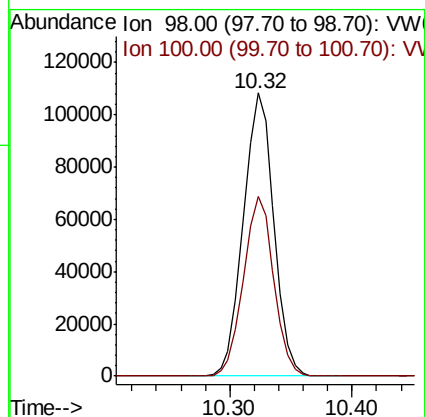
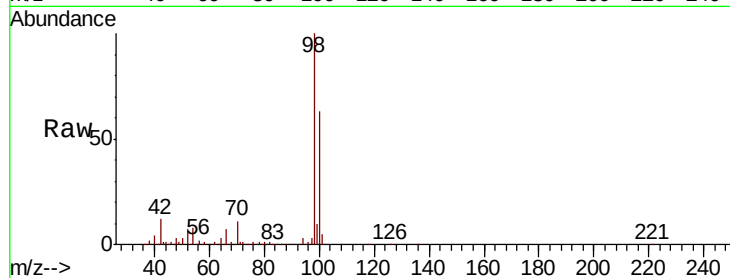
VW0118SBL01

Tgt Ion: 98 Resp: 187040

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 45.354 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008349.D

Acq: 18 Jan 2019 11:59

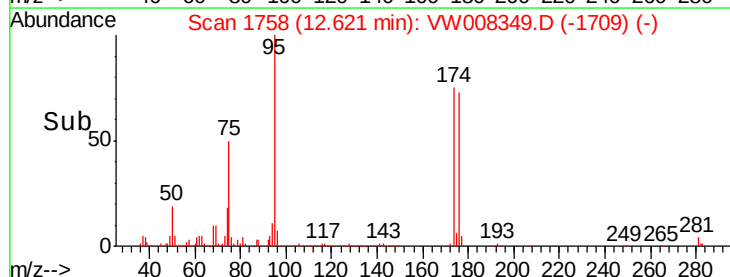
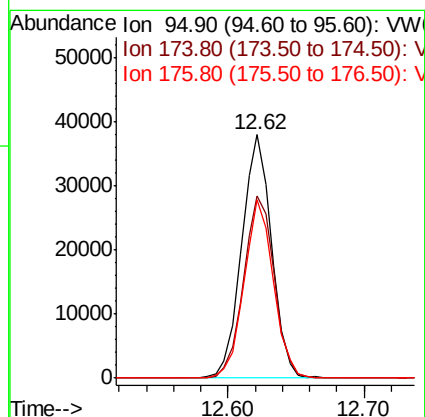
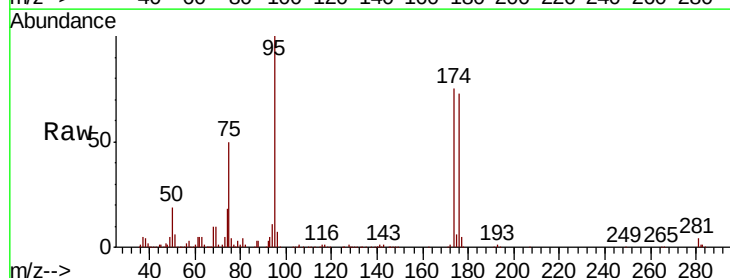
Tgt Ion: 95 Resp: 58197

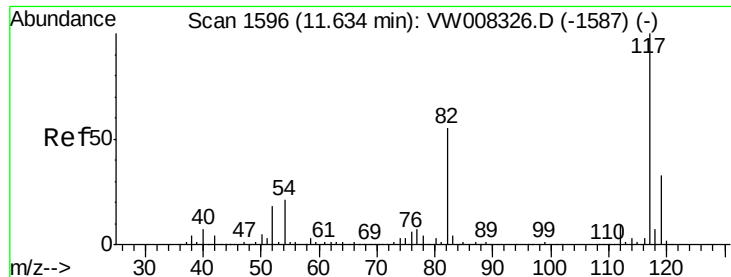
Ion Ratio Lower Upper

95 100

174 76.9 0.0 166.0

176 72.2 0.0 160.0

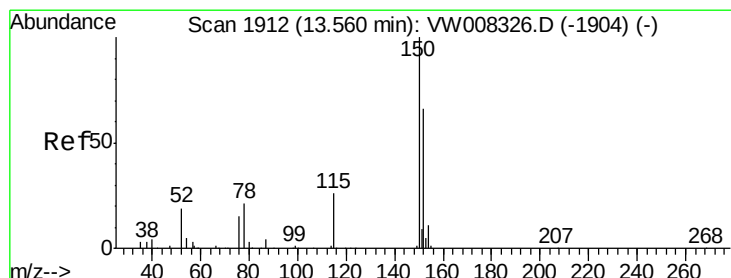
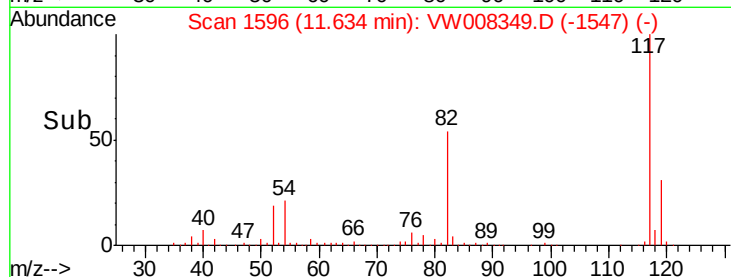
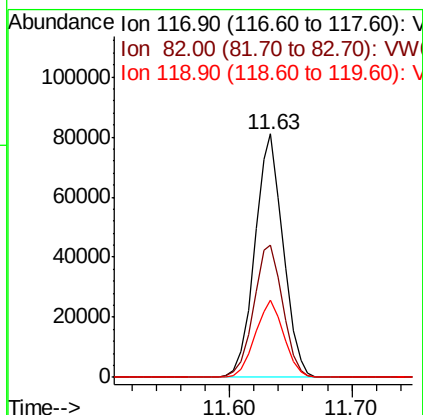
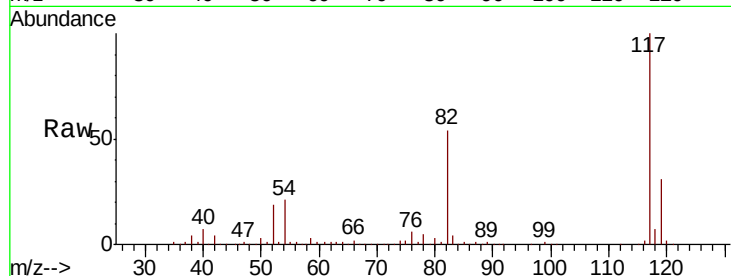




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

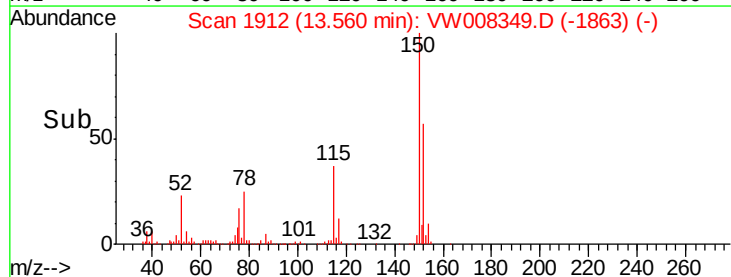
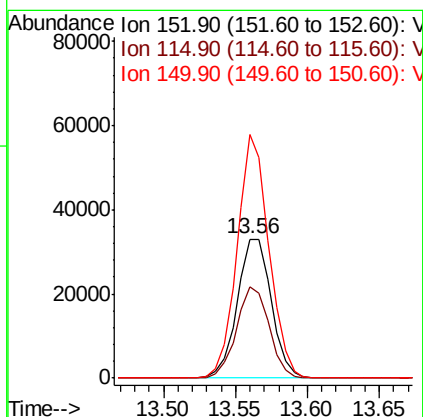
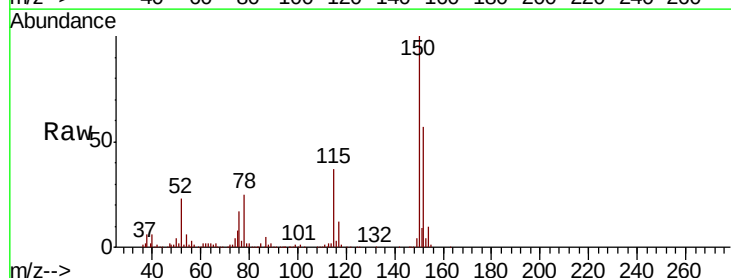
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBL01

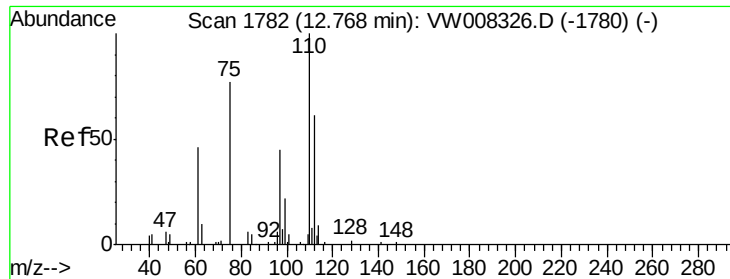
Tgt Ion:117 Resp: 130412
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

Tgt Ion:152 Resp: 54188
Ion Ratio Lower Upper
152 100
115 63.0 28.8 86.4
150 162.8 0.0 351.4

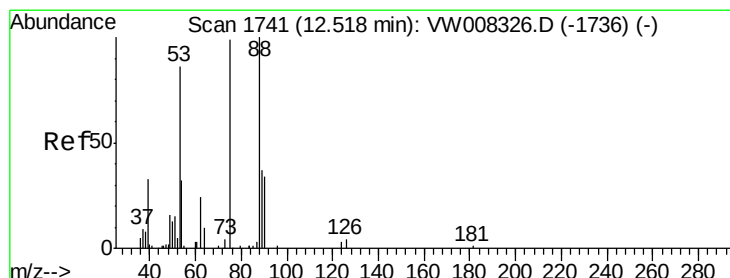
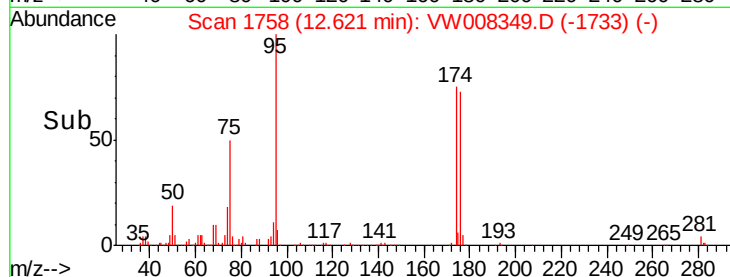
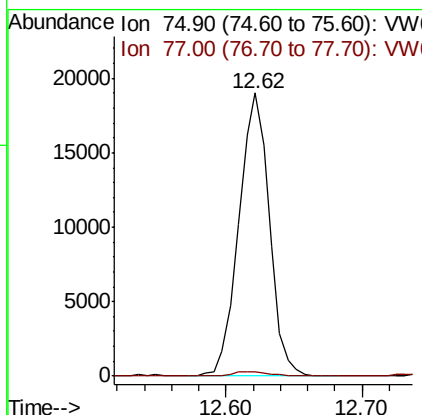
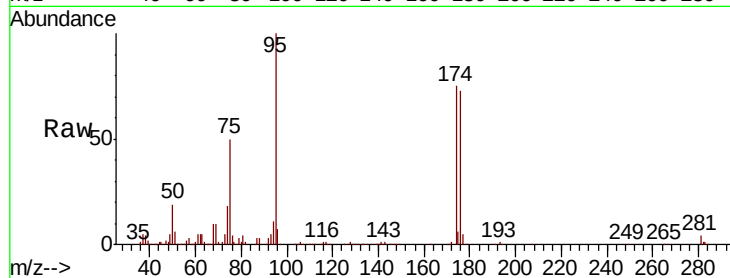




#76
 1,2,3-Trichloropropane
 Concen: 60.172 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008349.D
 Acq: 18 Jan 2019 11:59

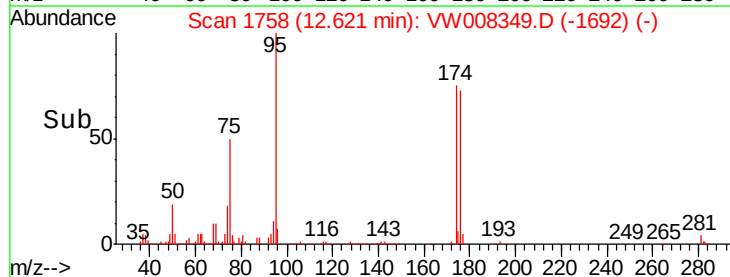
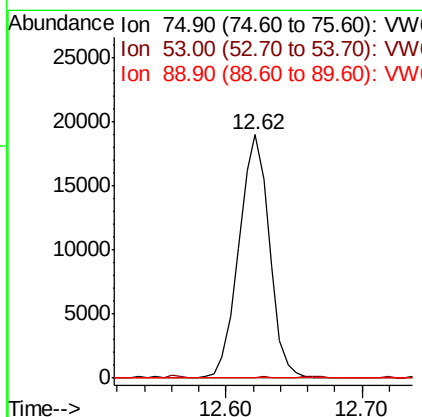
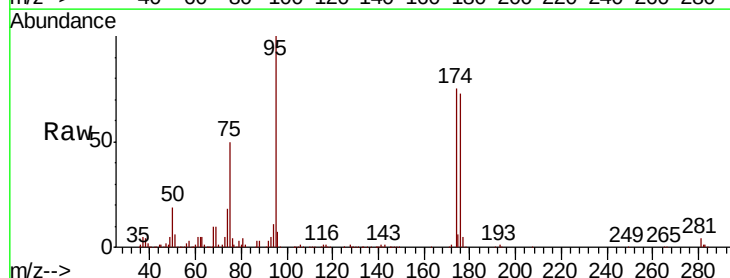
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBL01

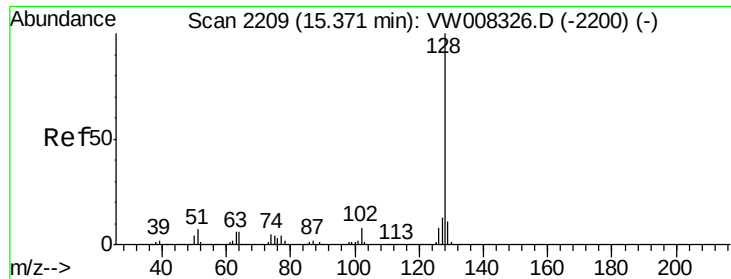
Tgt Ion: 75 Resp: 29693
 Ion Ratio Lower Upper
 75 100
 77 1.8 175.3 526.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.597 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008349.D
 Acq: 18 Jan 2019 11:59

Tgt Ion: 75 Resp: 29693
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.2 114.4#
 89 0.1 36.7 55.1#





#95
Naphthalene
Concen: 2.669 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW008349.D
Acq: 18 Jan 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBL01

Tgt Ion:128 Resp: 740
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 0.0 8.8 13.2#

