

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009135.D
 Acq On : 13 Mar 2019 04:39
 Operator : SY/VA
 Sample : VW0312SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBL02

Quant Time: Mar 13 07:00:33 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	289517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	457235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182456	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	166774	57.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.52%	
35) Dibromofluoromethane	7.88	113	142911	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
50) Toluene-d8	10.32	98	556955	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	178926	40.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.40%	

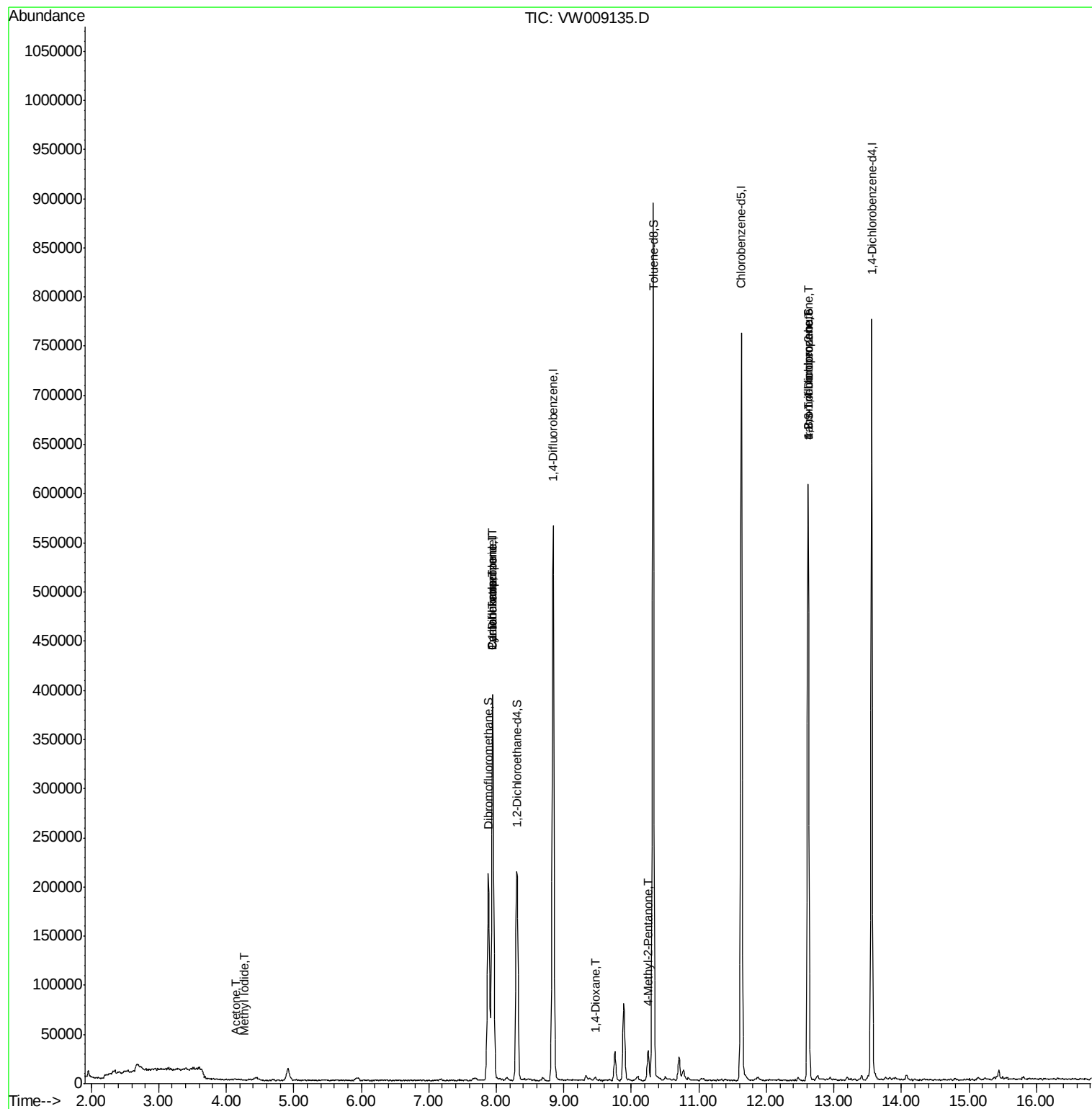
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	43	3.200	ug/l #	40
16) Acetone	4.14	43	2164	3.292	ug/l	96
20) Methylene Chloride	4.92	84	8061	Below Cal	#	86
31) Cyclohexane	7.95	56	7263	1.337	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	23095	4.831	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28791	5.831	ug/l #	18
49) 1,4-Dioxane	9.48	88	29	1.160	ug/l #	1
51) 4-Methyl-2-Pentanone	10.25	43	4562	2.149	ug/l #	79
76) 1,2,3-Trichloropropane	12.62	75	96585	67.001	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	96585	149.863	ug/l #	5

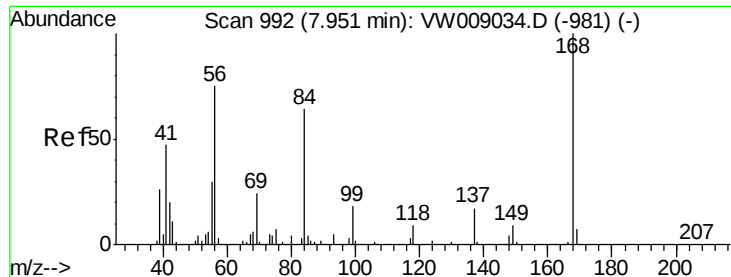
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

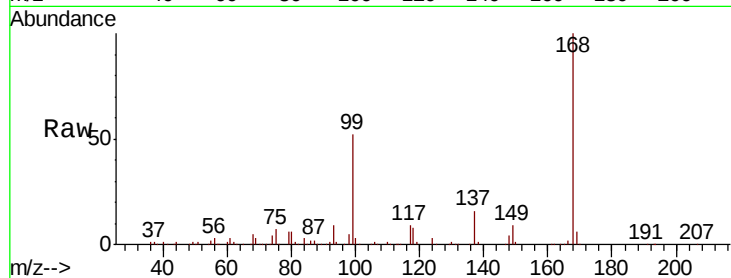
VW0312SBL02

Tgt Ion:168 Resp: 289517

Ion Ratio Lower Upper

168 100

99 52.3 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

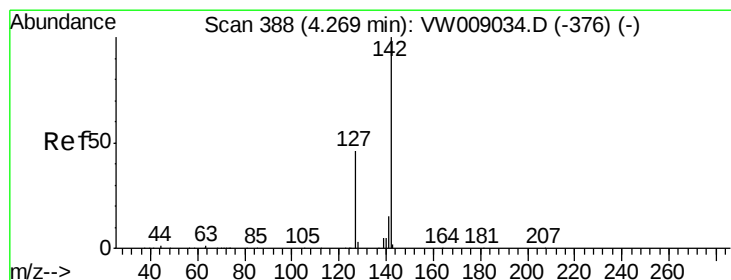
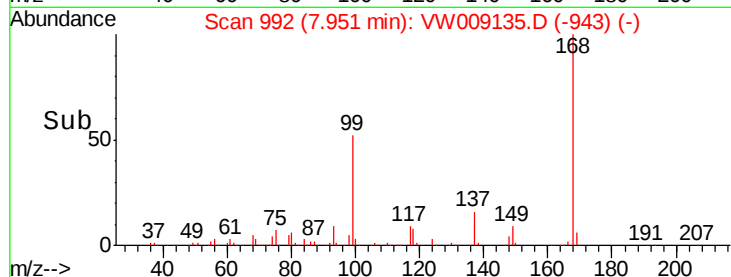
100000

50000

0

7.90 8.00

Time-->



#10

Methyl Iodide

Concen: 3.200 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

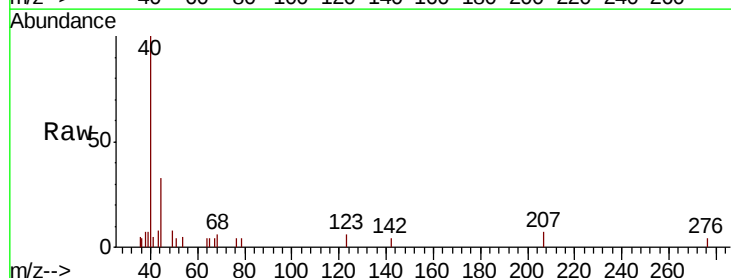
Tgt Ion:142 Resp: 43

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

4.28

80

60

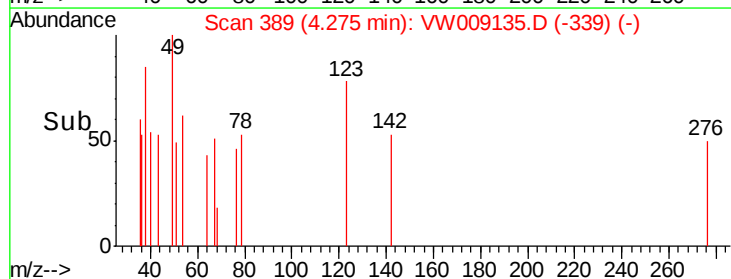
40

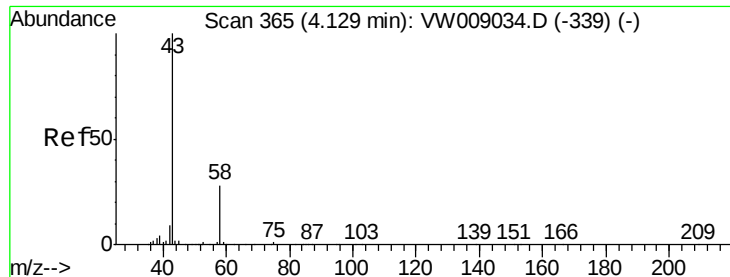
20

0

4.26 4.28 4.30

Time-->





#16

Acetone

Concen: 3.292 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

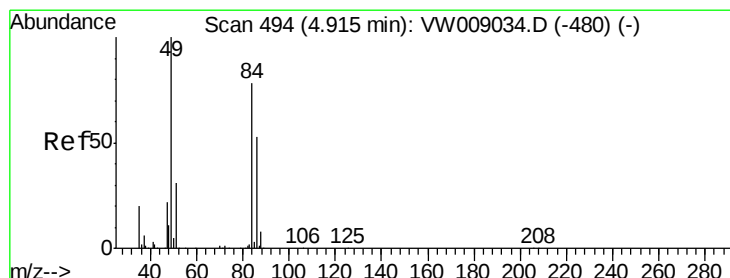
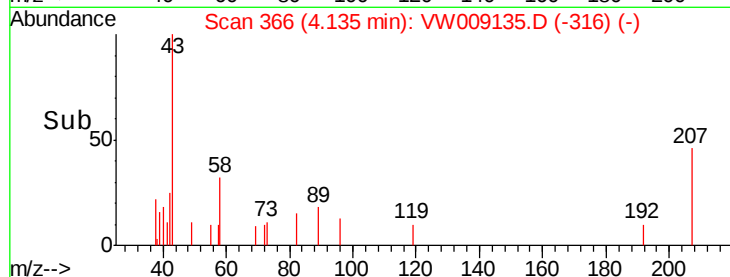
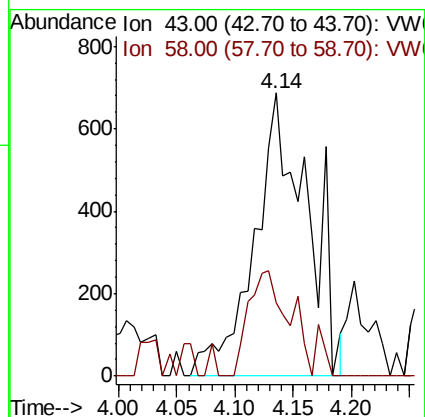
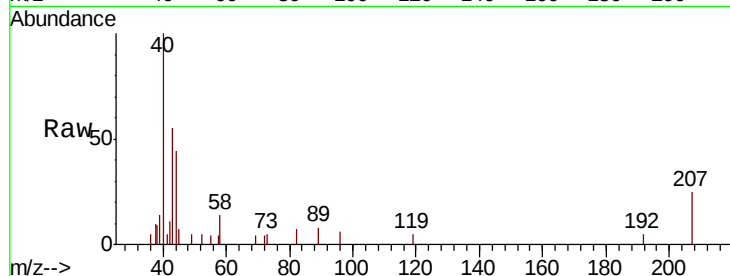
VW0312SBL02

Tgt Ion: 43 Resp: 2164

Ion Ratio Lower Upper

43 100

58 25.8 22.5 33.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Tgt Ion: 84 Resp: 8061

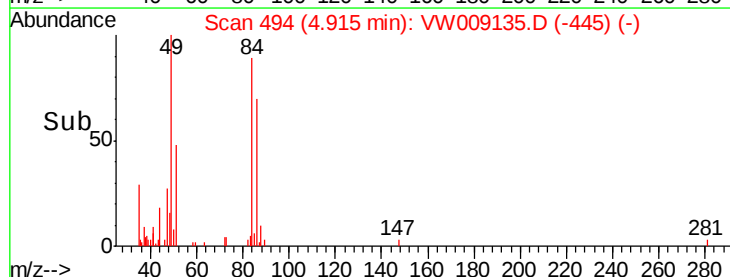
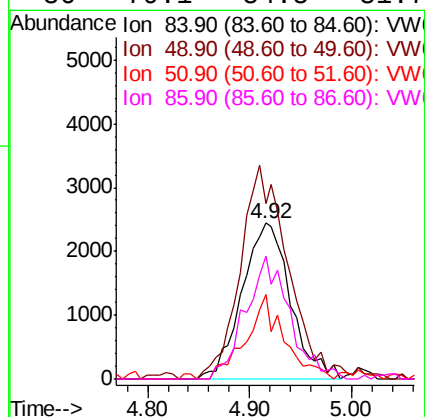
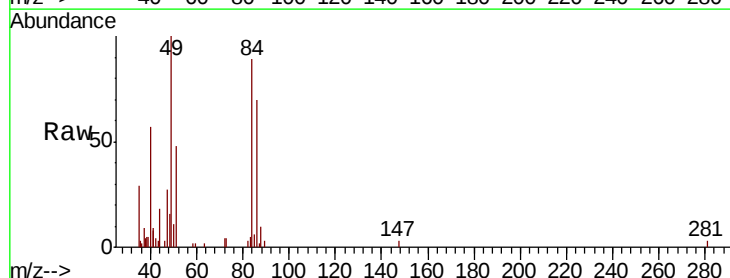
Ion Ratio Lower Upper

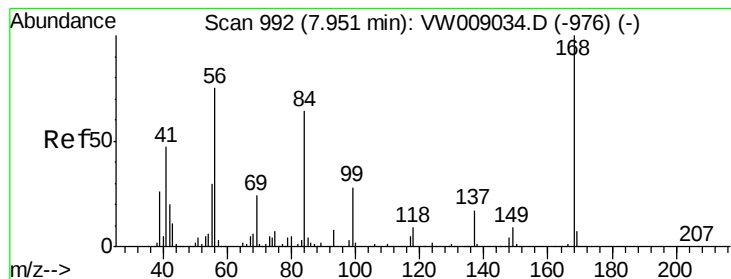
84 100

49 112.6 102.4 153.6

51 51.2 31.6 47.4#

86 79.1 54.5 81.7





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBL02

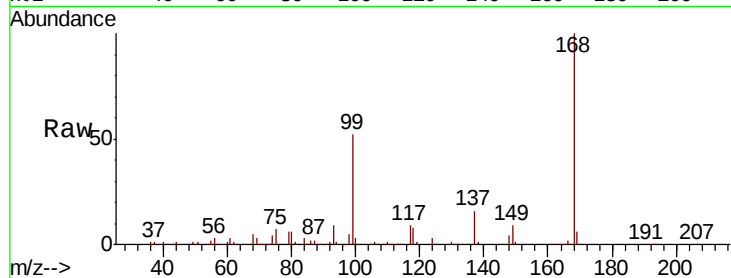
Tgt Ion: 56 Resp: 7263

Ion Ratio Lower Upper

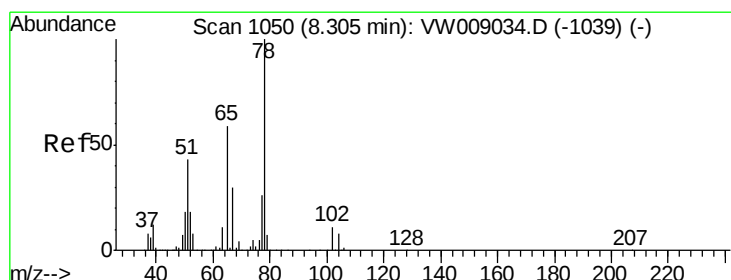
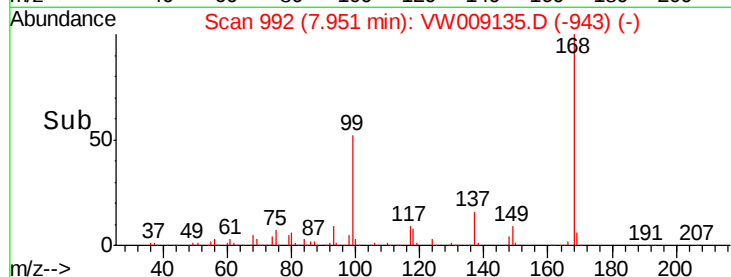
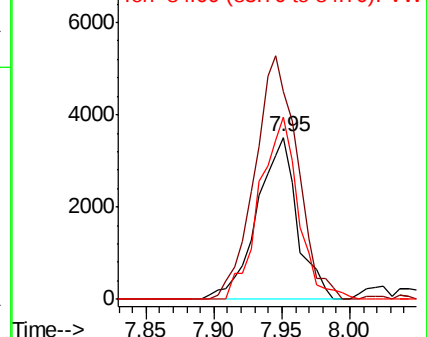
56 100

69 128.1 25.5 38.3#

84 112.1 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: 57.255 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009135.D

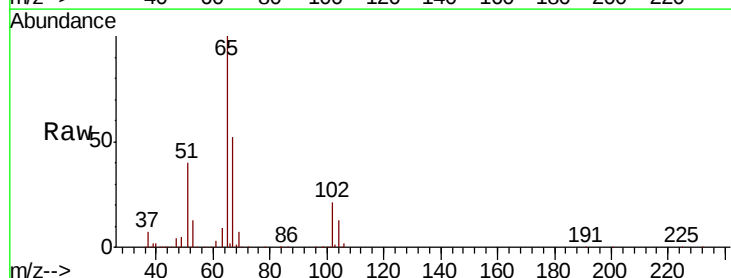
Acq: 13 Mar 2019 04:39

Tgt Ion: 65 Resp: 166774

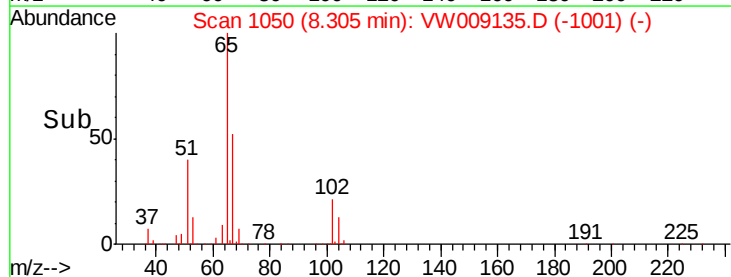
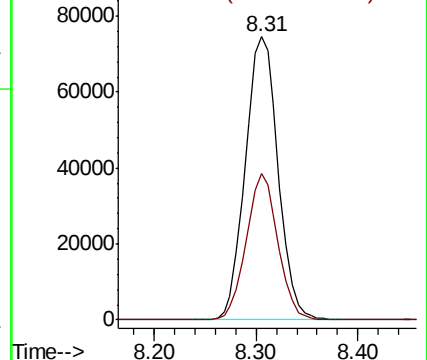
Ion Ratio Lower Upper

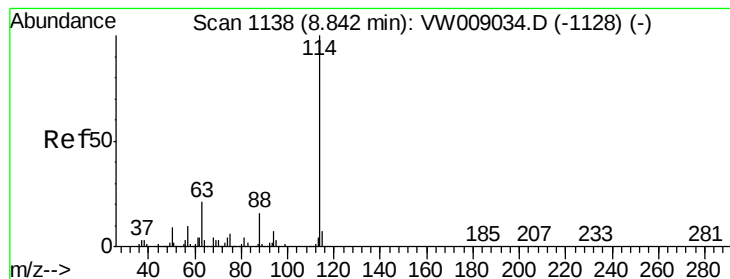
65 100

67 49.9 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: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBL02

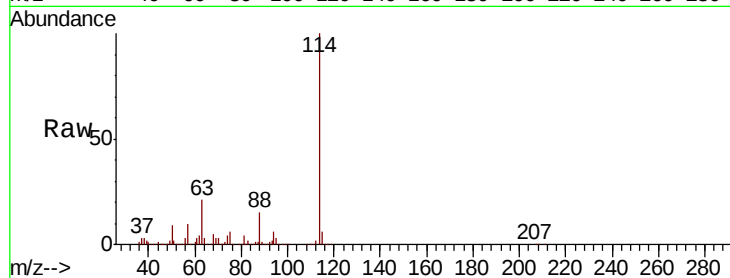
Tgt Ion:114 Resp: 457235

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.2

88 15.2 0.0 31.2



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

300000

250000

200000

150000

100000

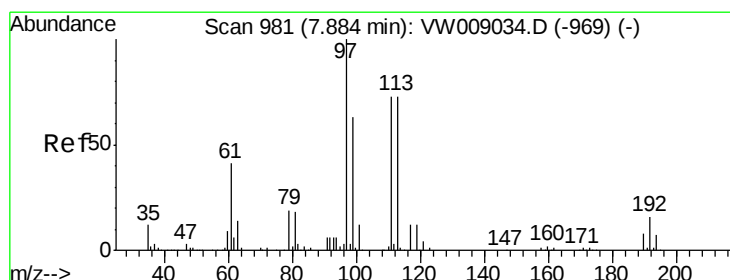
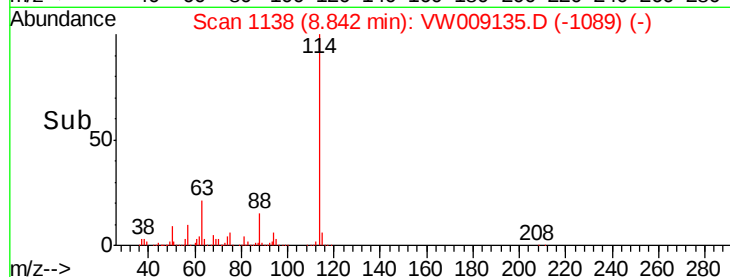
50000

0

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 51.912 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

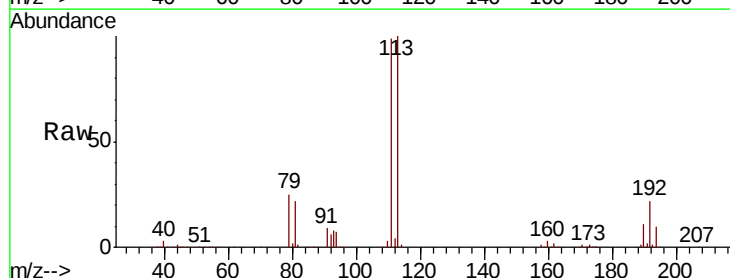
Tgt Ion:113 Resp: 142911

Ion Ratio Lower Upper

113 100

111 100.9 81.0 121.4

192 21.6 17.1 25.7



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

80000

60000

40000

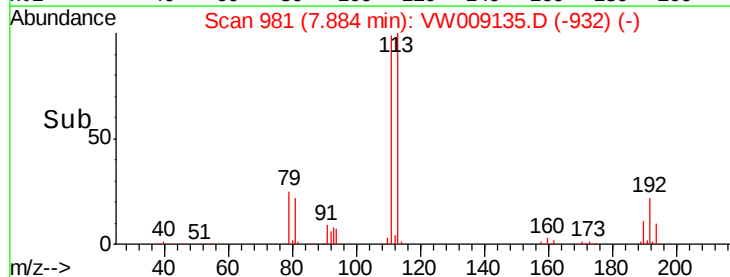
20000

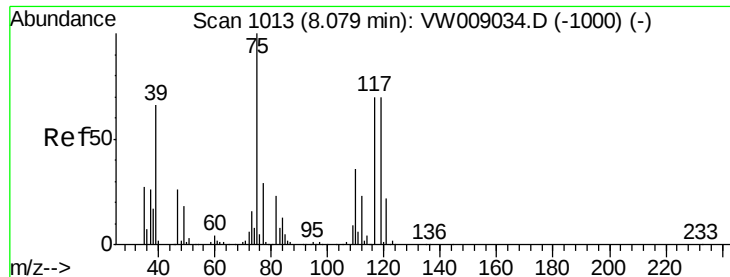
0

7.80

7.90

Time-->

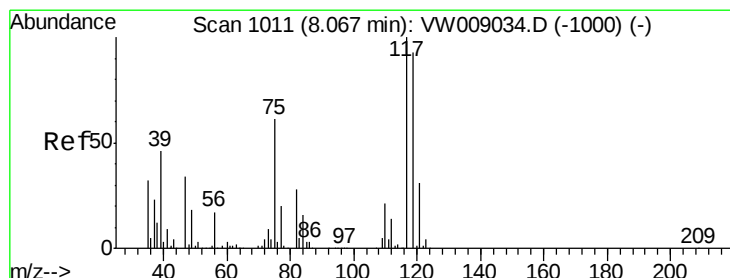
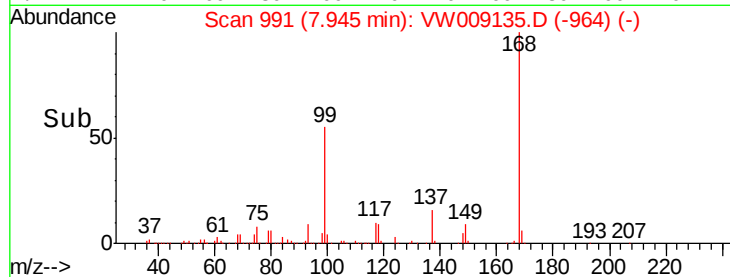
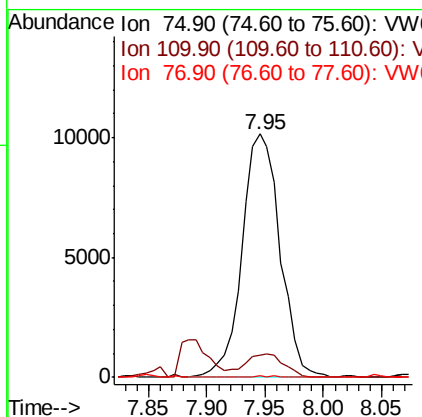
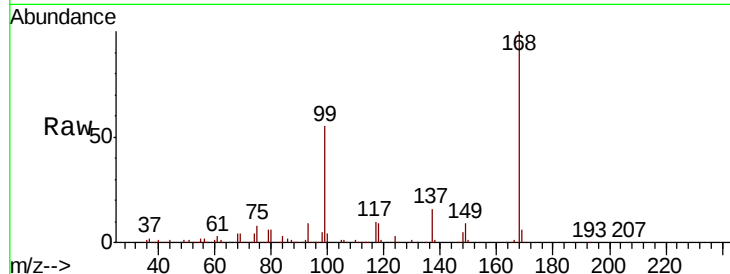




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009135.D
 Acq: 13 Mar 2019 04:39

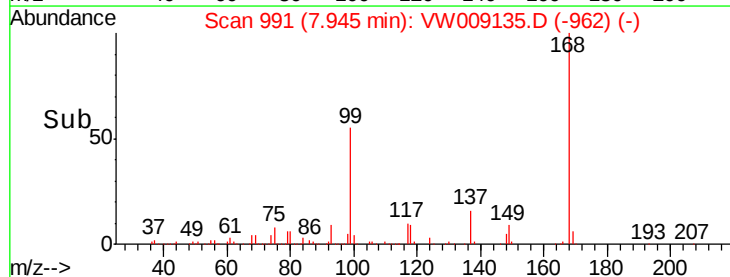
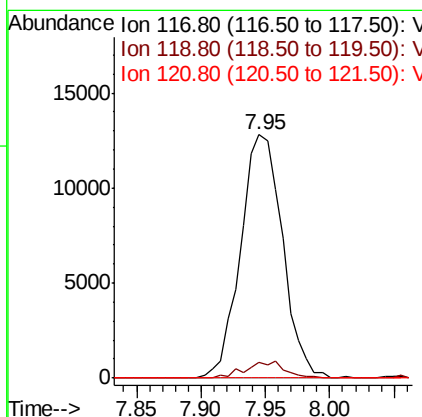
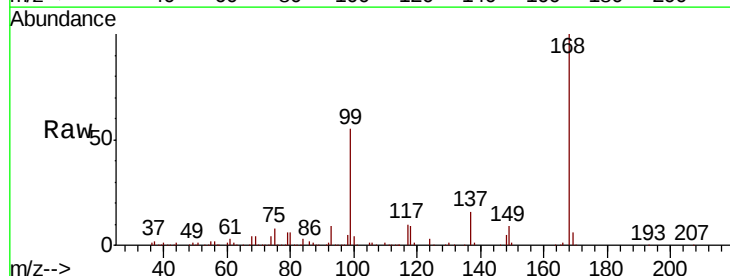
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBL02

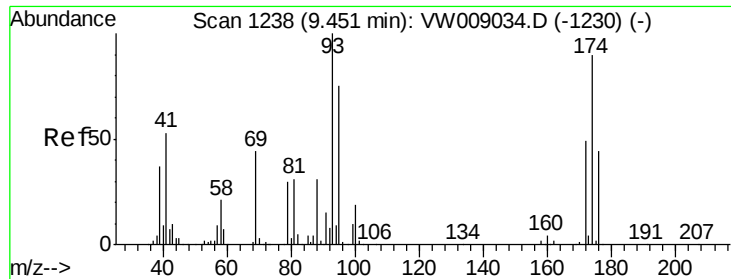
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.6	52.9#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.831 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009135.D
 Acq: 13 Mar 2019 04:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	74.6	112.0#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.160 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.02 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBL02

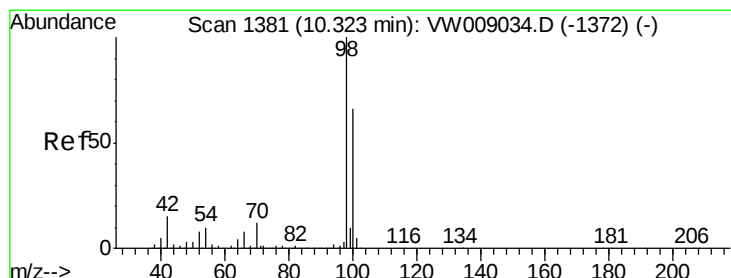
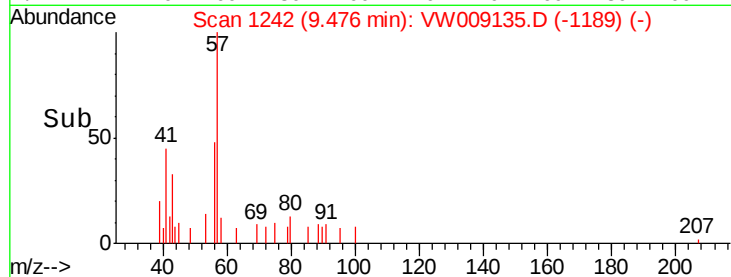
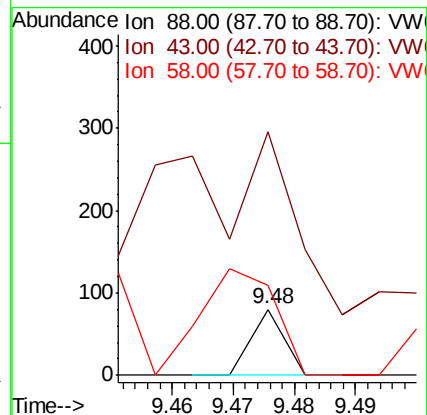
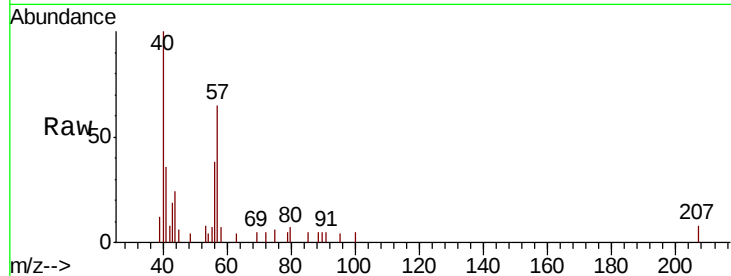
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 2124.1 29.0 43.4#

58 375.9 59.2 88.8#



#50

Toluene-d8

Concen: 49.258 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009135.D

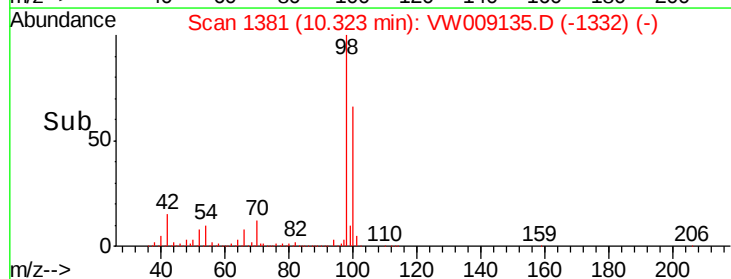
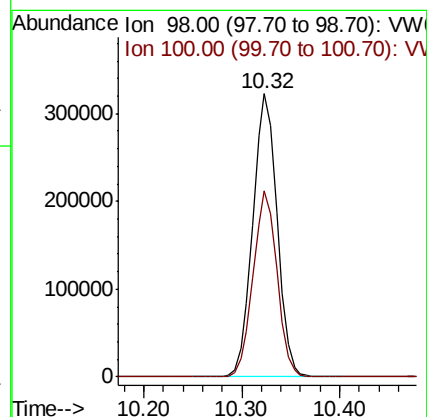
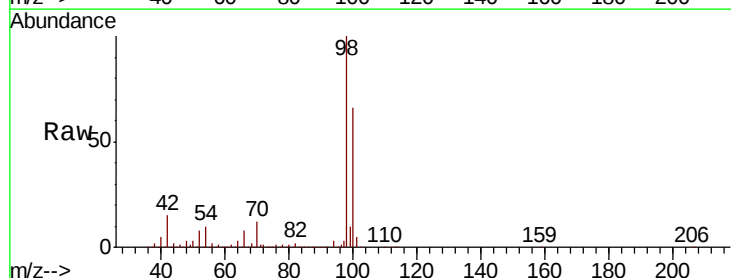
Acq: 13 Mar 2019 04:39

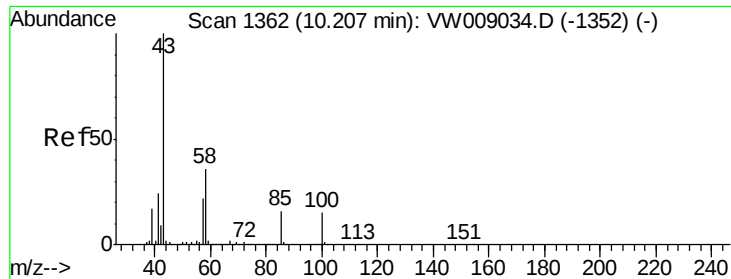
Tgt Ion: 98 Resp: 556955

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 2.149 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampleId :

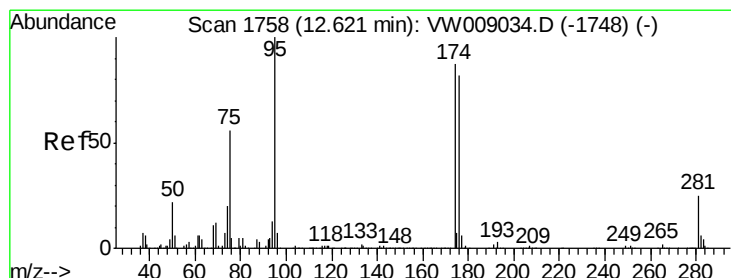
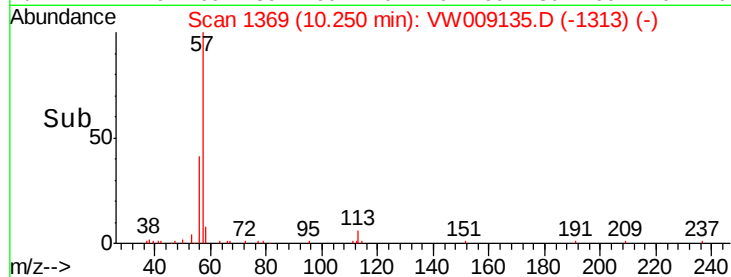
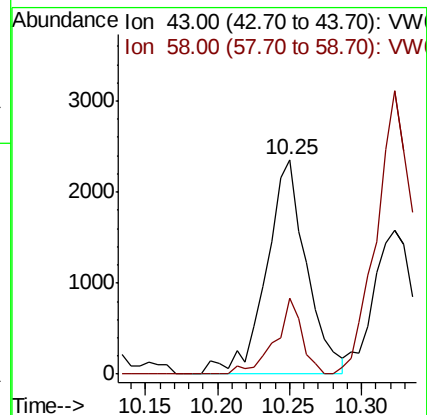
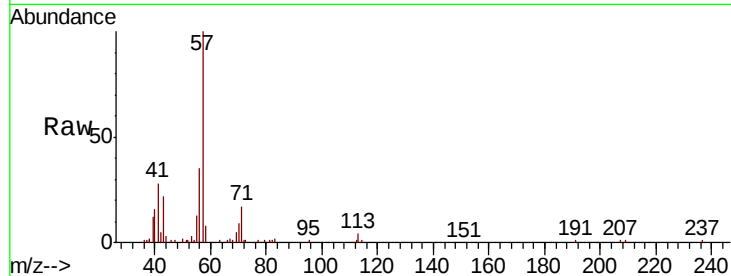
VW0312SBL02

Tgt Ion: 43 Resp: 4562

Ion Ratio Lower Upper

43 100

58 23.8 28.8 43.2#



#62

4-Bromofluorobenzene

Concen: 40.199 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

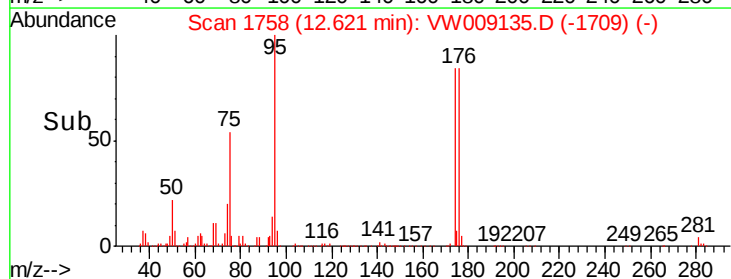
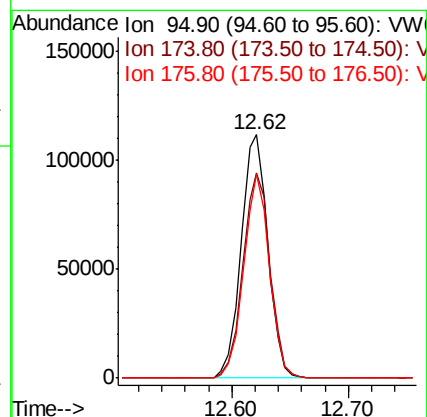
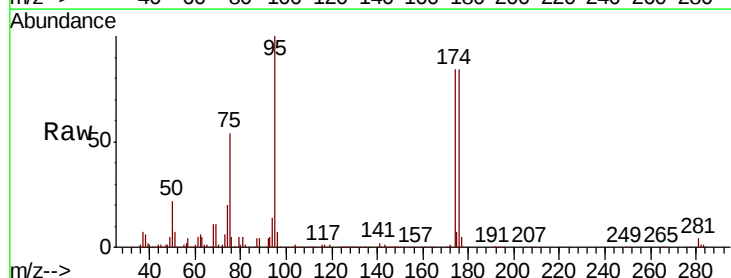
Tgt Ion: 95 Resp: 178926

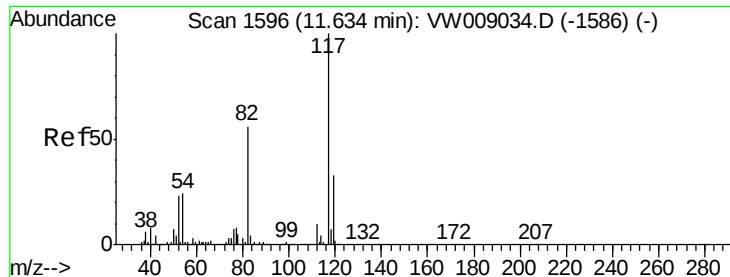
Ion Ratio Lower Upper

95 100

174 85.4 0.0 167.0

176 80.9 0.0 159.4

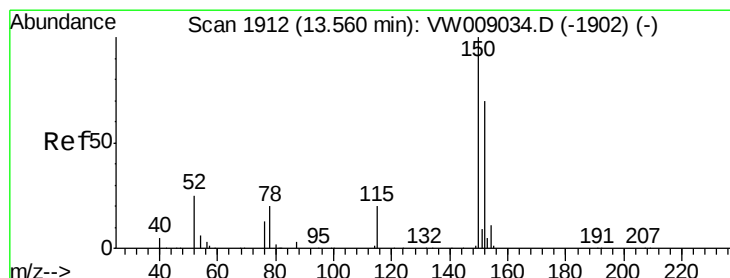
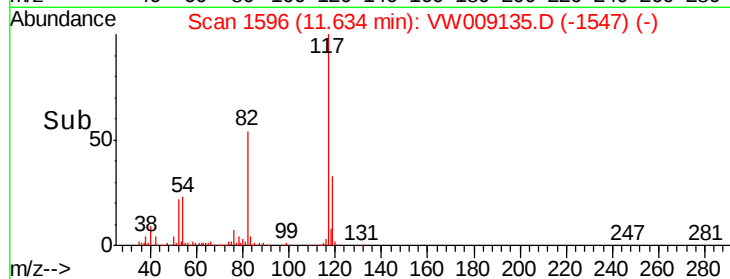
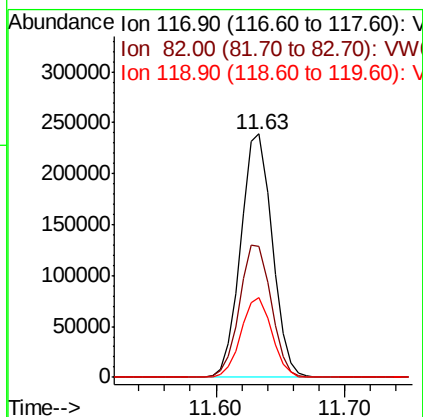
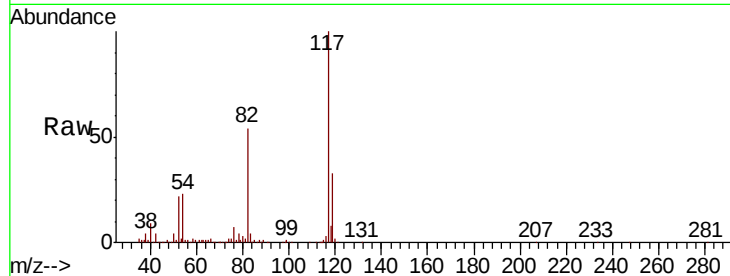




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009135.D
Acq: 13 Mar 2019 04:39

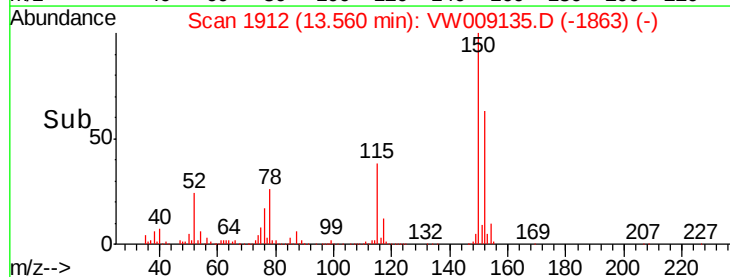
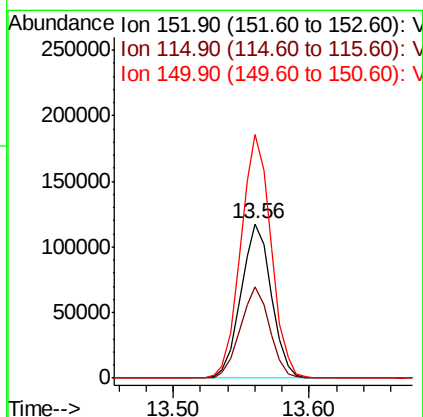
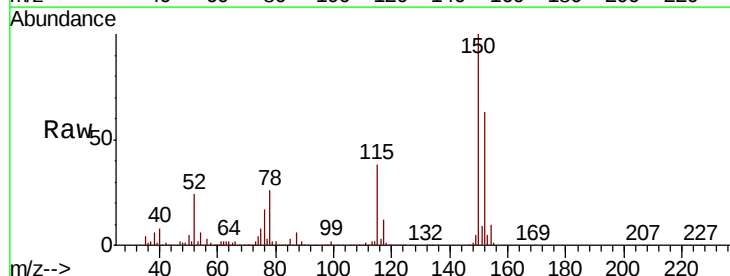
Instrument :
MSVOA_W
ClientSampleId :
VW0312SBL02

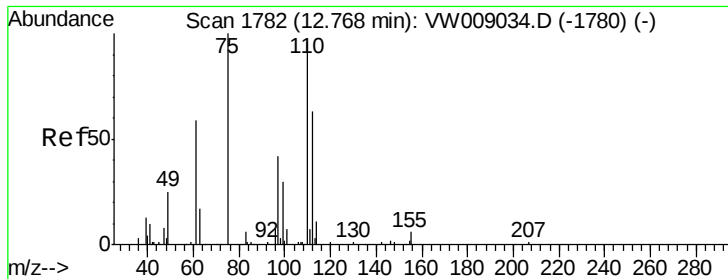
Tgt Ion:117 Resp: 404497
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.6
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009135.D
Acq: 13 Mar 2019 04:39

Tgt Ion:152 Resp: 182456
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 157.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 67.001 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Instrument :

MSVOA_W

ClientSampled :

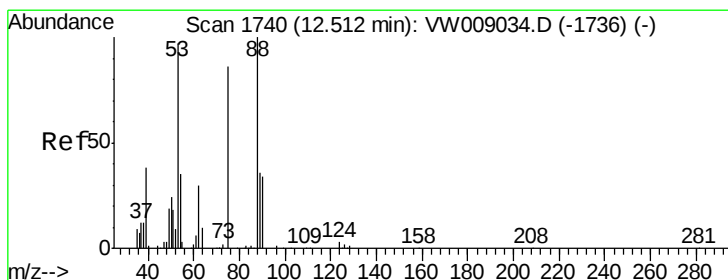
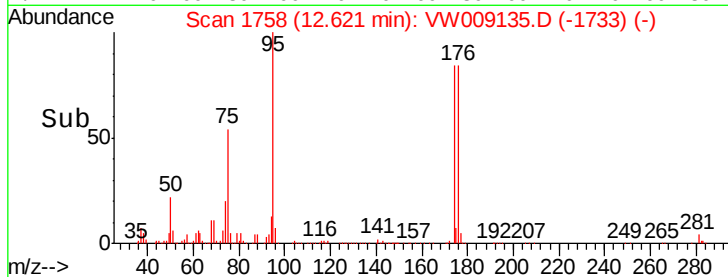
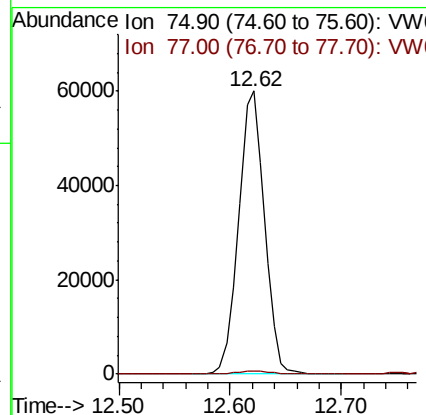
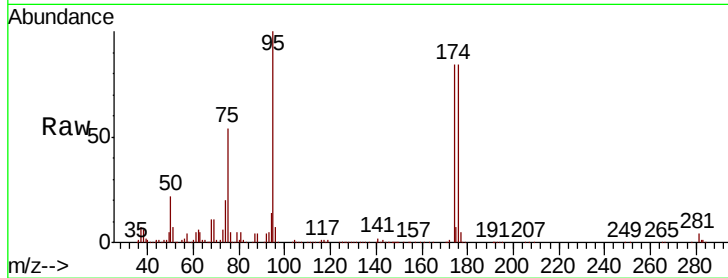
VW0312SBL02

Tgt Ion: 75 Resp: 96585

Ion Ratio Lower Upper

75 100

77 1.2 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009135.D

Acq: 13 Mar 2019 04:39

Tgt Ion: 75 Resp: 96585

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.0 37.5 56.3#

