

Data File : VW009245.D
Acq On : 19 Mar 2019 17:00
Operator : SY/VA
Sample : K1933-03
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-3RE

Quant Time: Mar 20 07:32:52 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	185613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130614	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121524	61.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.10%	
35) Dibromofluoromethane	7.88	113	103578	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.32	98	359068	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.62	95	117440	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

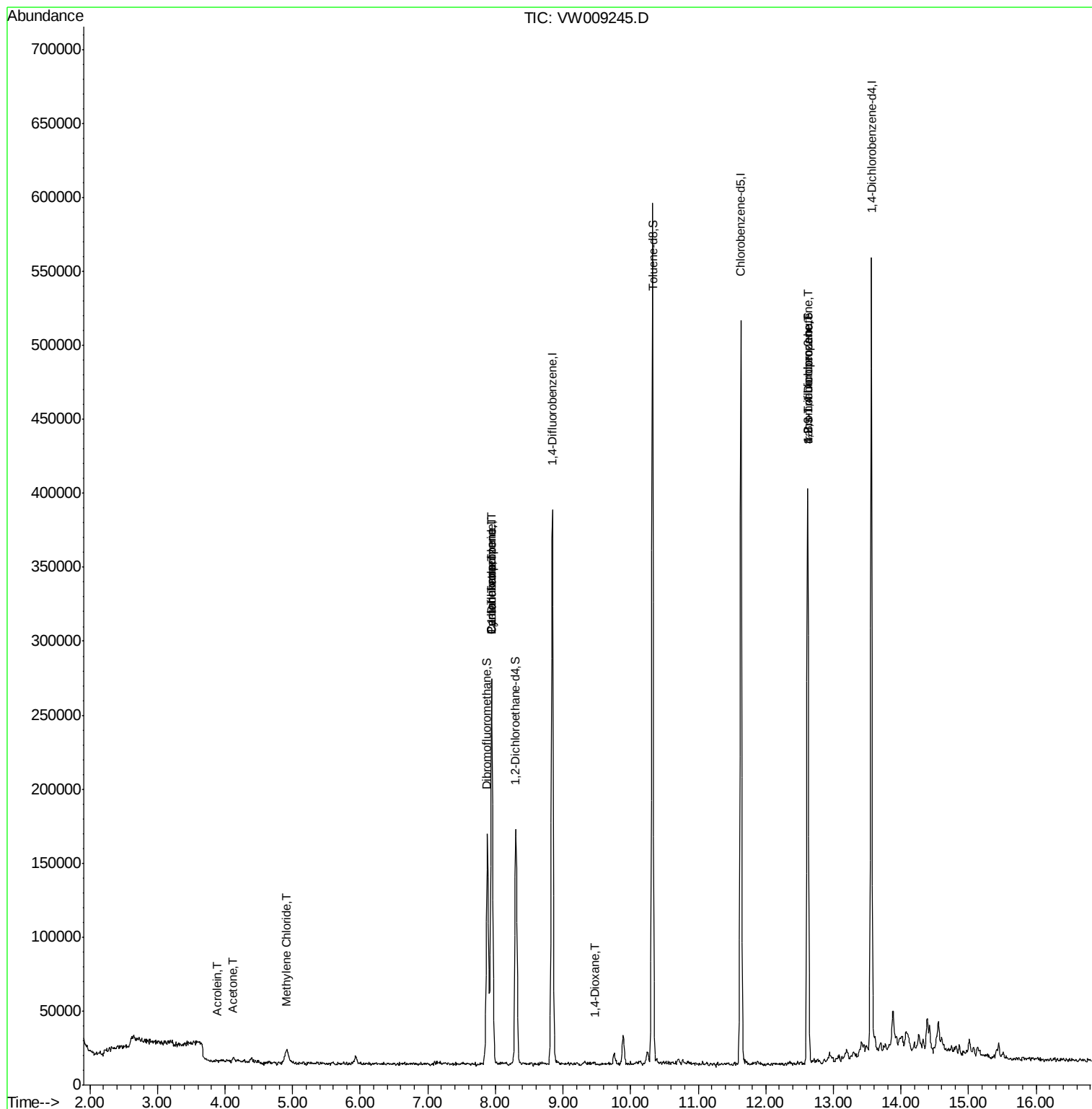
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.03	85	451	Below Cal		90
13) Acrolein	3.89	56	117	1.251 ug/l #		65
16) Acetone	4.12	43	3709	9.157 ug/l		90
20) Methylene Chloride	4.90	84	7492	1.839 ug/l #		86
31) Cyclohexane	7.95	56	4709	1.454 ug/l #		27
36) 1,1-Dichloropropene	7.95	75	15426	5.212 ug/l #		51
38) Carbon Tetrachloride	7.95	117	18863	6.022 ug/l #		18
49) 1,4-Dioxane	9.46	88	49	2.816 ug/l #		1
76) 1,2,3-Trichloropropane	12.62	75	66010	53.780 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	66010	131.960 ug/l #		7

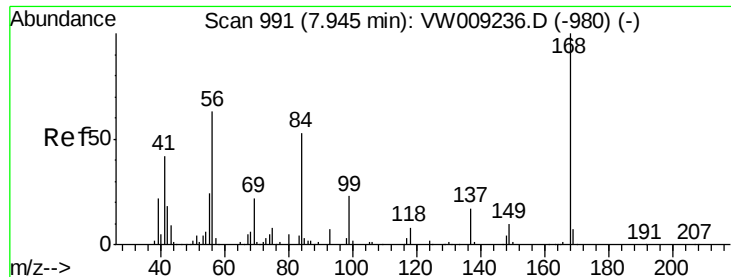
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

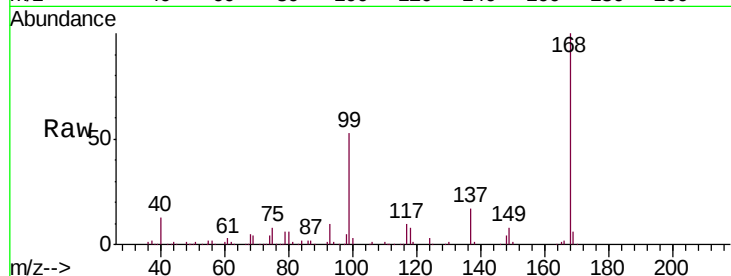
S-3RE

Tgt Ion:168 Resp: 185613

Ion Ratio Lower Upper

168 100

99 53.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

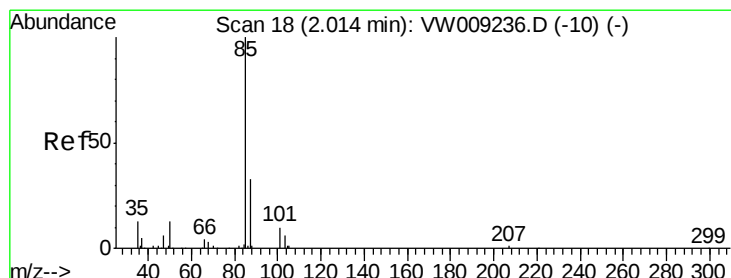
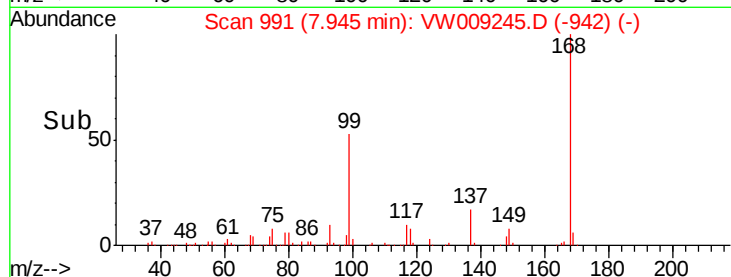
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 21

Delta R.T. 0.02 min

Lab File: VW009245.D

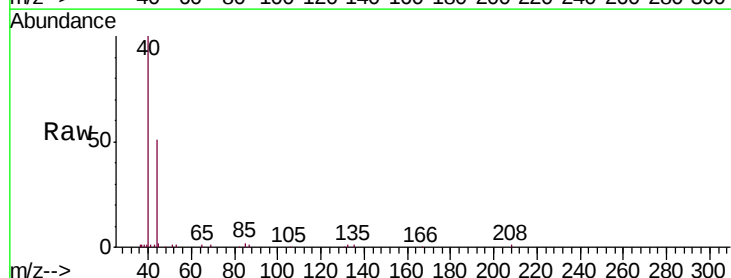
Acq: 19 Mar 2019 17:00

Tgt Ion: 85 Resp: 451

Ion Ratio Lower Upper

85 100

87 28.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

300

250

200

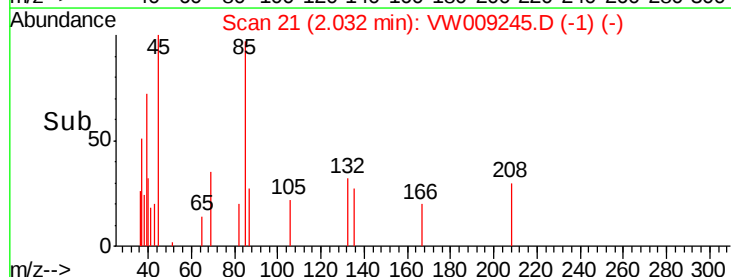
150

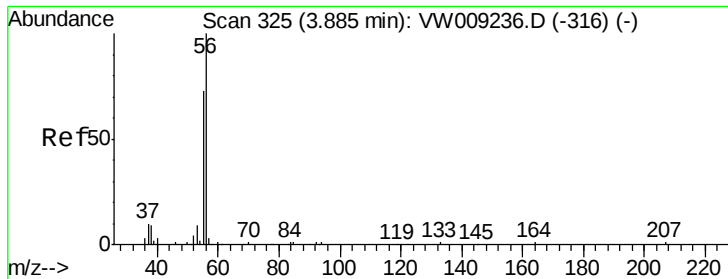
100

50

0

Time-->





#13

Acrolein

Concen: 1.251 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

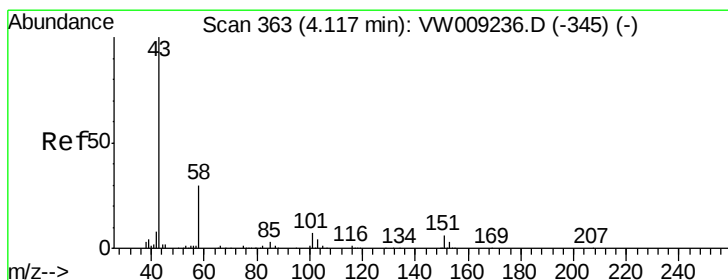
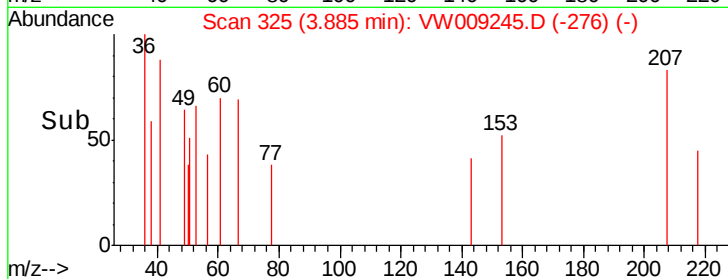
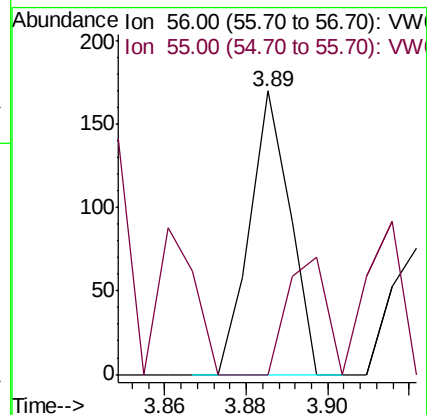
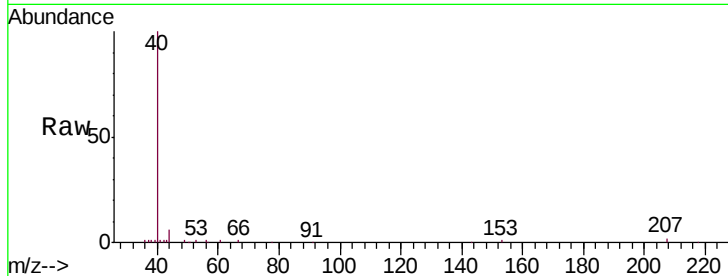
S-3RE

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 40.2 55.2 82.8#



#16

Acetone

Concen: 9.157 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009245.D

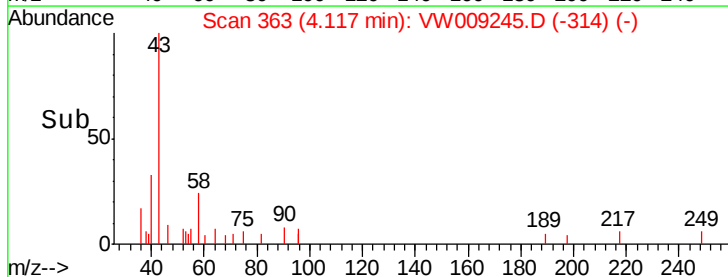
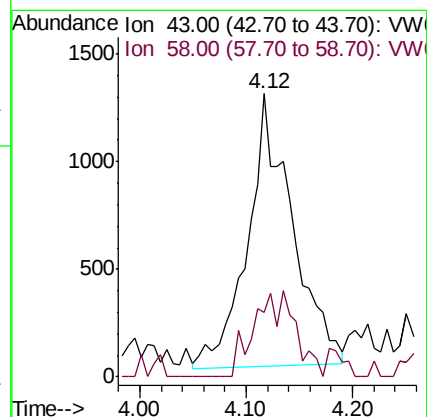
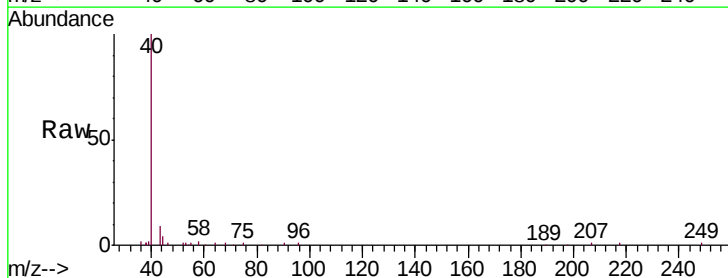
Acq: 19 Mar 2019 17:00

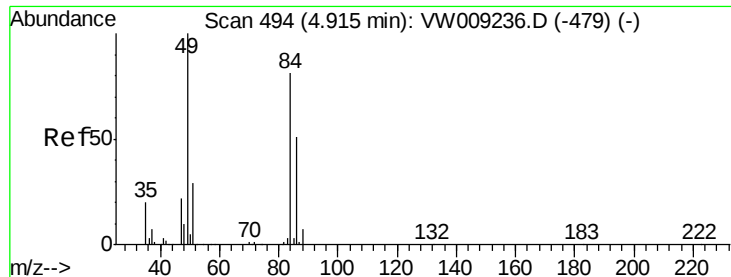
Tgt Ion: 43 Resp: 3709

Ion Ratio Lower Upper

43 100

58 24.1 23.6 35.4





#20

Methylene Chloride

Concen: 1.839 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

S-3RE

Tgt Ion: 84 Resp: 7492

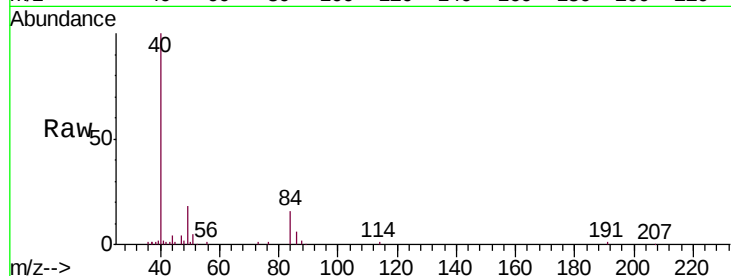
Ion Ratio Lower Upper

84 100

49 114.6 99.1 148.7

51 29.7 28.7 43.1

86 41.3 50.5 75.7#

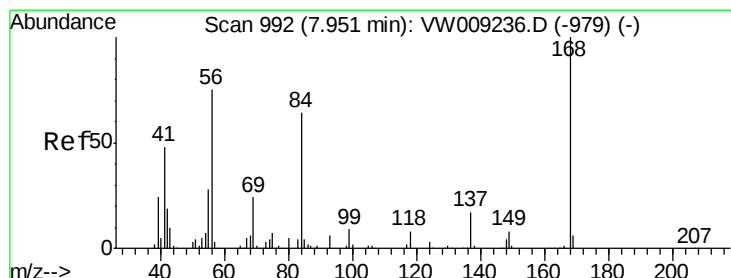
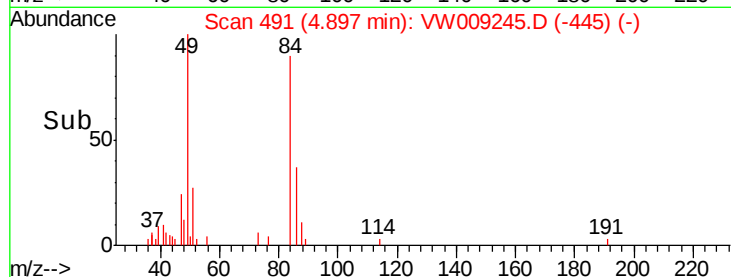
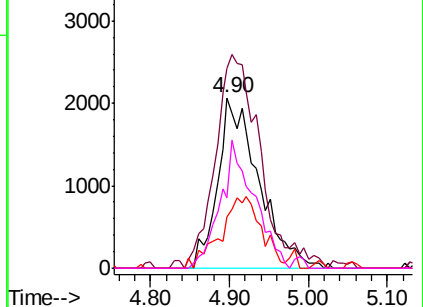


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.454 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

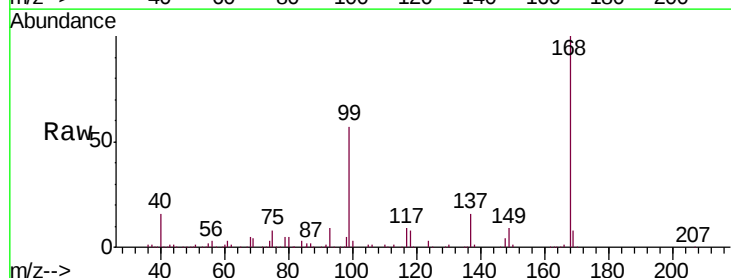
Tgt Ion: 56 Resp: 4709

Ion Ratio Lower Upper

56 100

69 142.2 26.1 39.1#

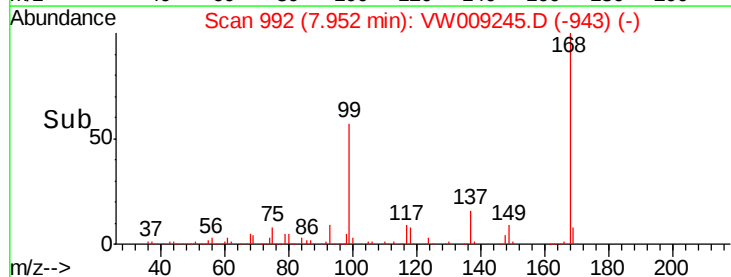
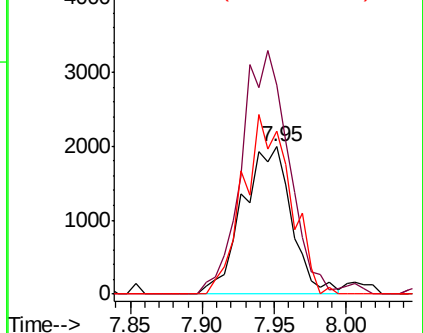
84 110.5 68.6 103.0#

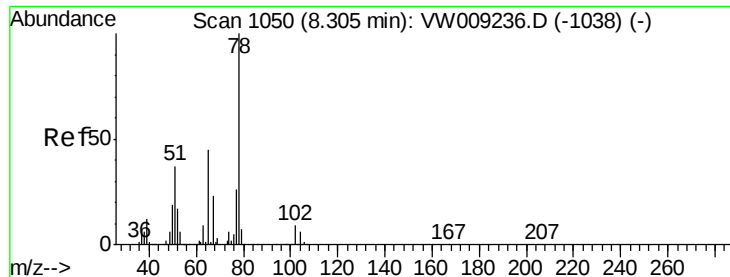


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 61.552 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

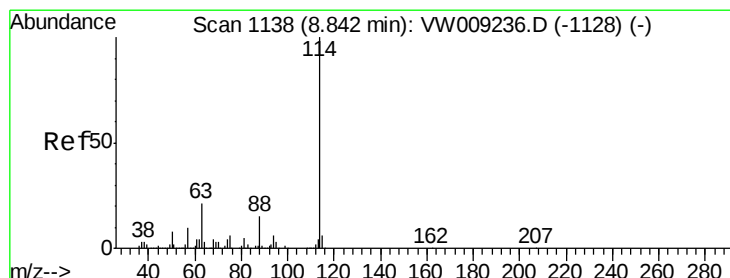
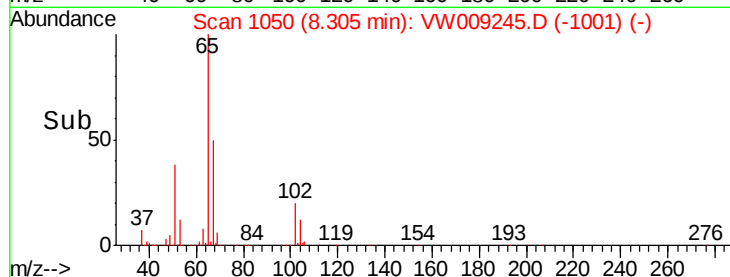
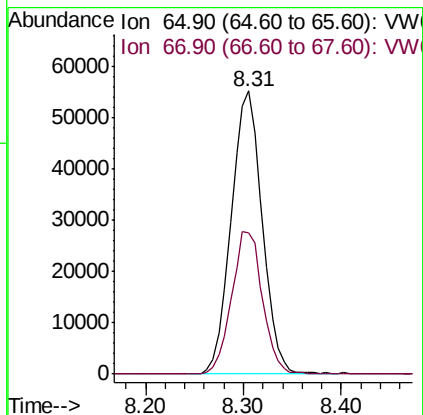
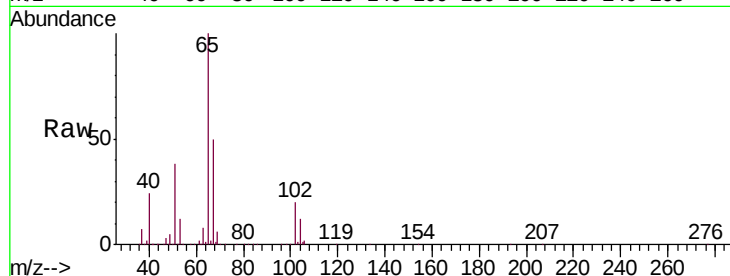
S-3RE

Tgt Ion: 65 Resp: 121524

Ion Ratio Lower Upper

65 100

67 50.1 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: VW009245.D

Acq: 19 Mar 2019 17:00

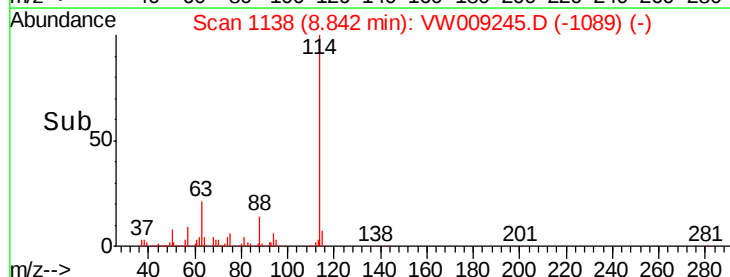
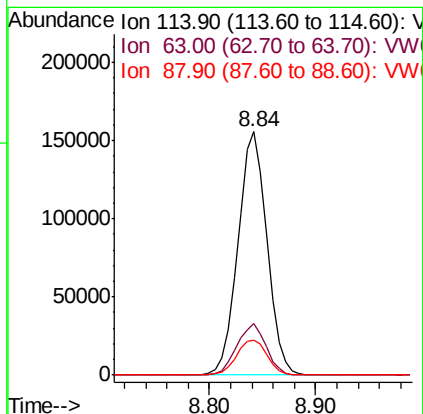
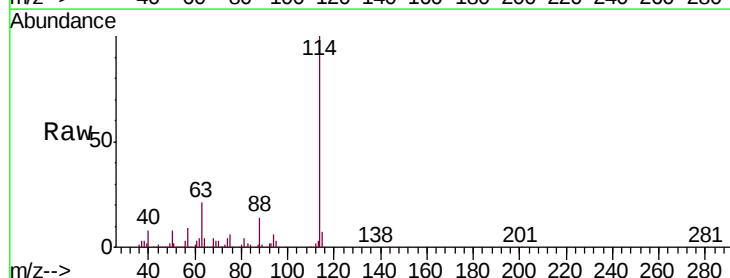
Tgt Ion: 114 Resp: 297428

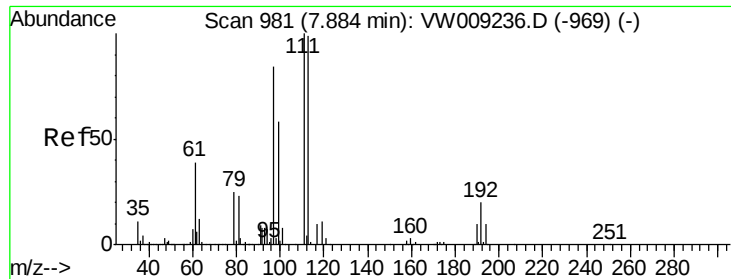
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 14.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.899 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

S-3RE

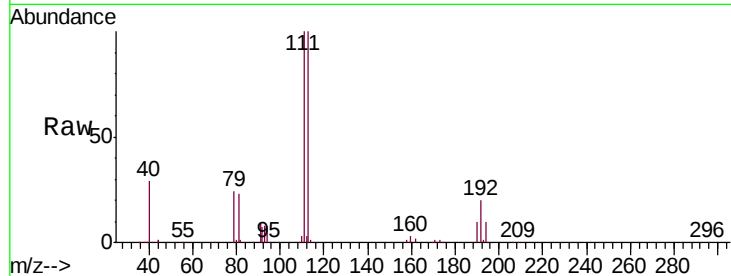
Tgt Ion:113 Resp: 103578

Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

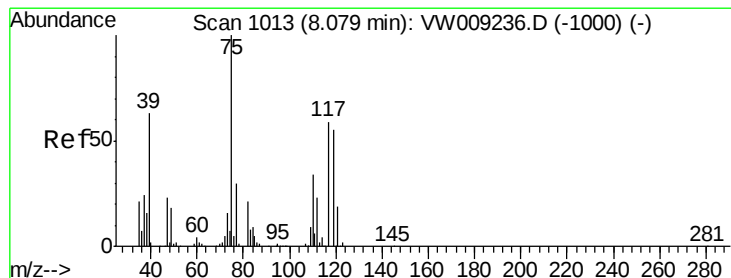
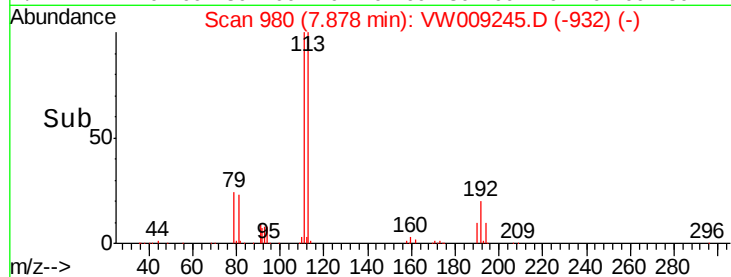
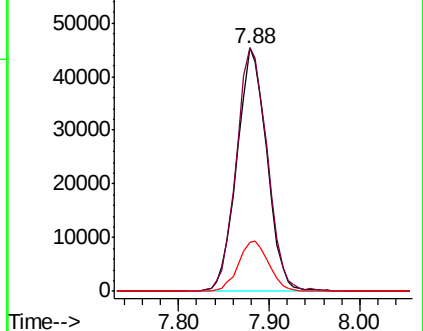
192 21.1 16.4 24.6



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: 5.212 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

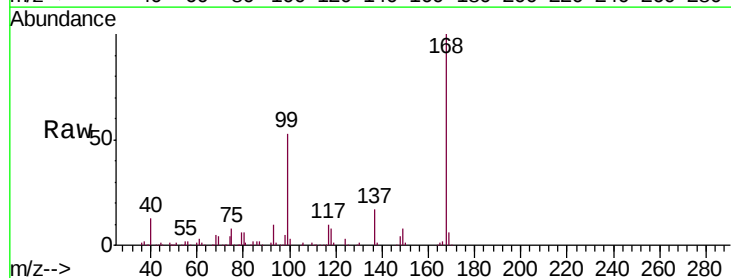
Tgt Ion: 75 Resp: 15426

Ion Ratio Lower Upper

75 100

110 9.2 16.8 50.4#

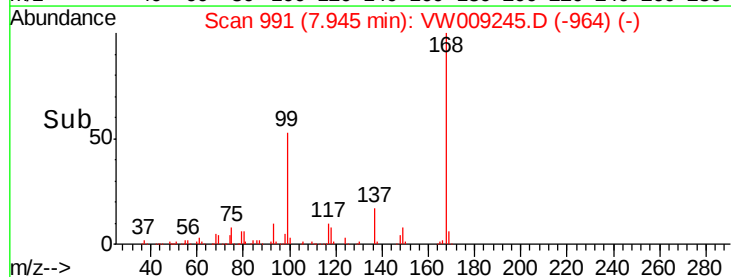
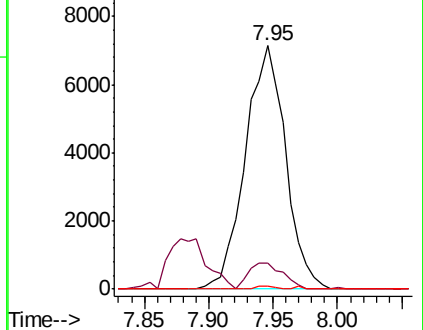
77 0.5 24.6 36.8#

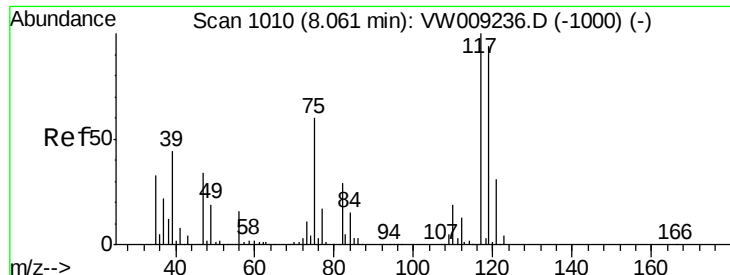


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

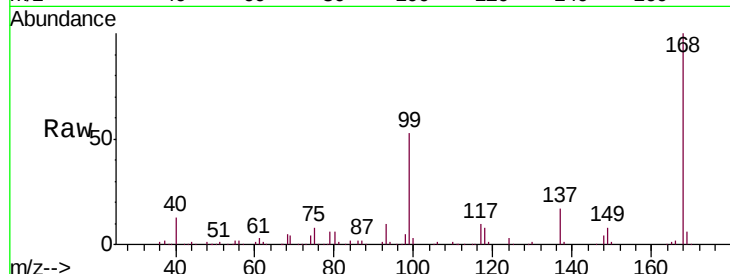




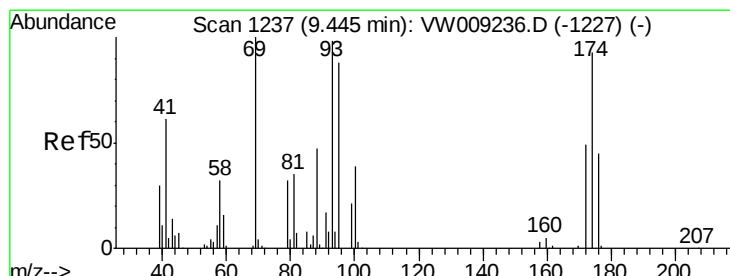
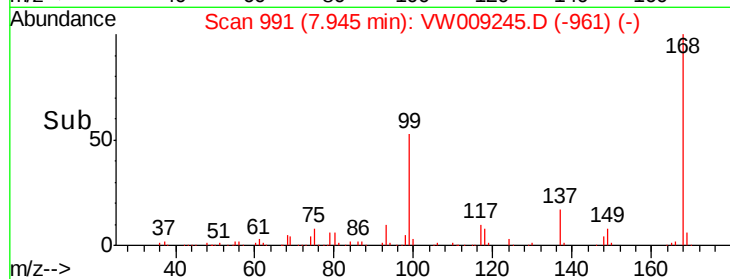
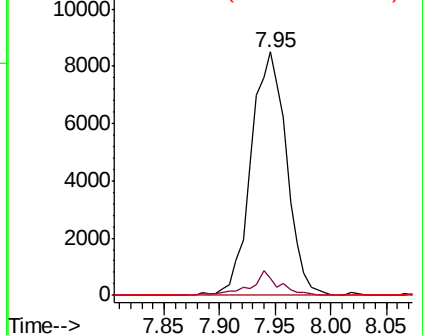
#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009245.D
Acq: 19 Mar 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
S-3RE

Tgt Ion:117 Resp: 18863
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.0#
121 0.0 24.9 37.3#

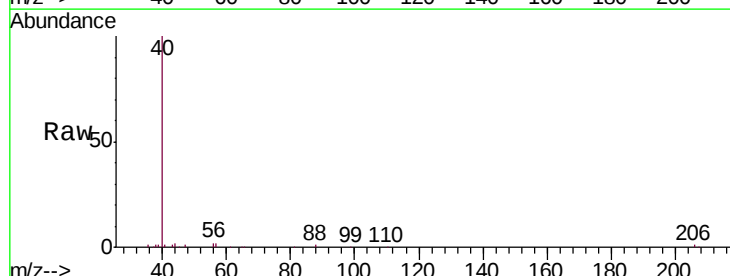


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

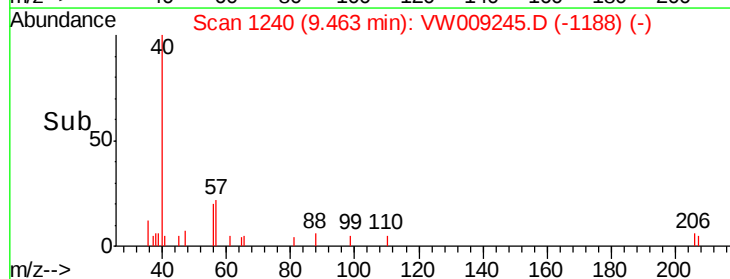
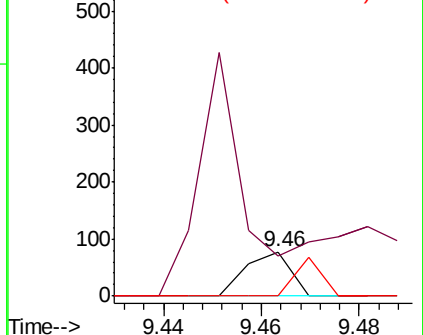


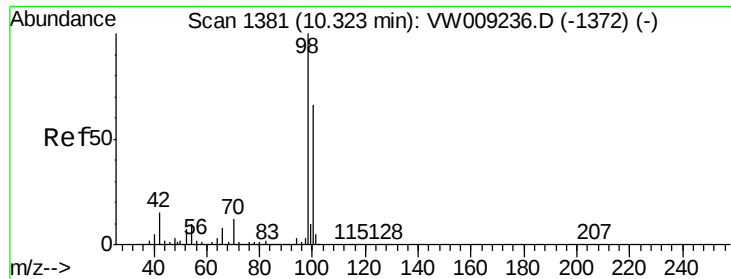
#49
1,4-Dioxane
Concen: 2.816 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW009245.D
Acq: 19 Mar 2019 17:00

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 544.9 29.7 44.5#
58 51.0 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: 52.369 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

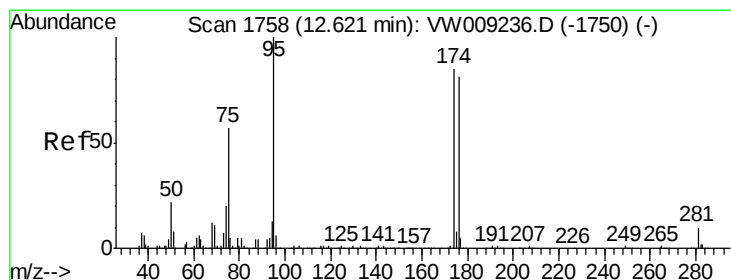
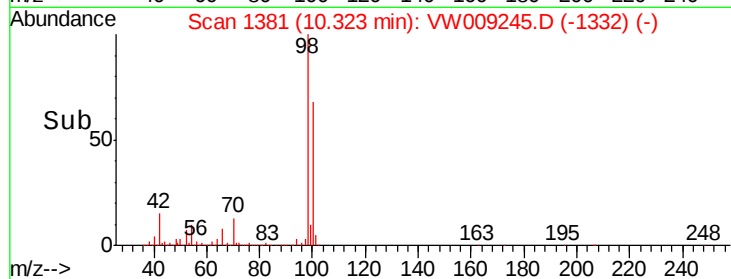
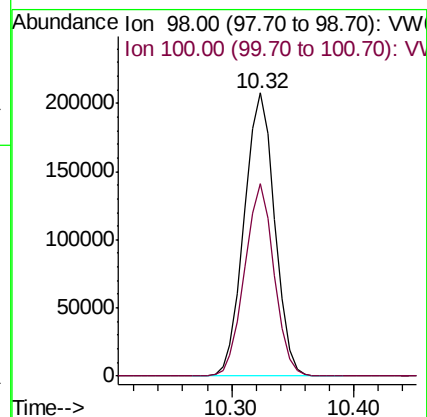
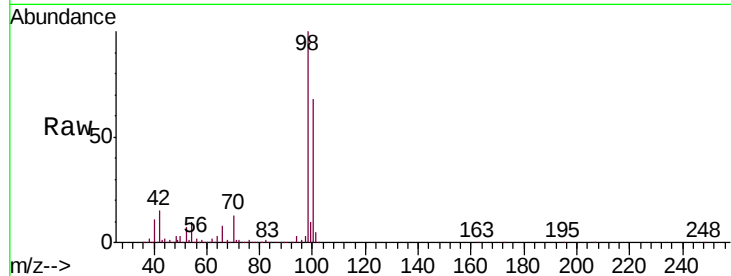
S-3RE

Tgt Ion: 98 Resp: 359068

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 46.650 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

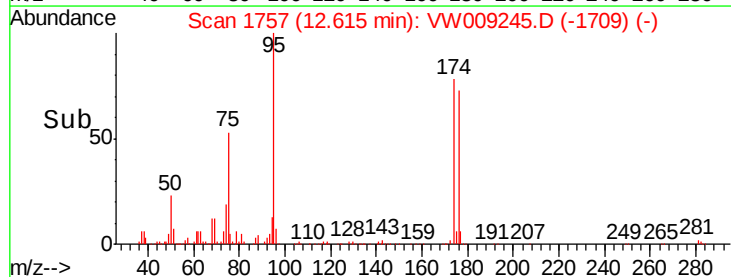
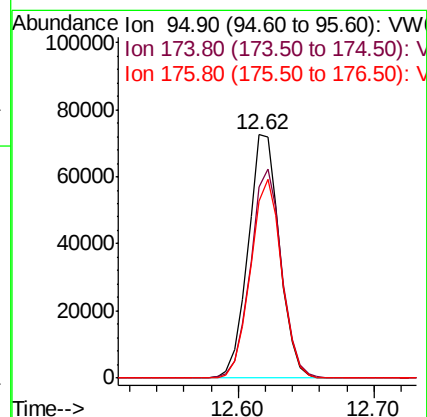
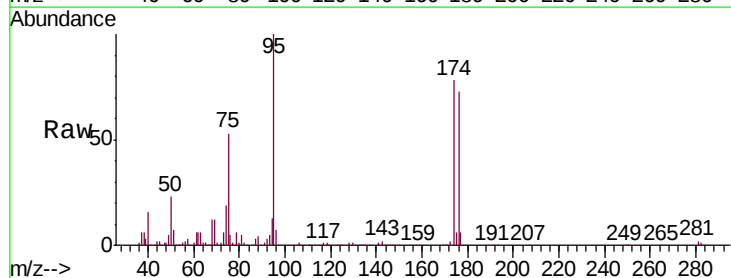
Tgt Ion: 95 Resp: 117440

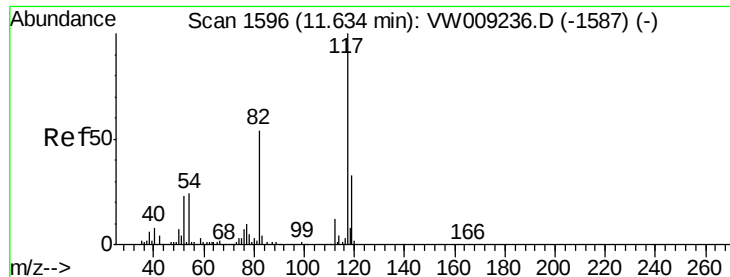
Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.4

176 80.7 0.0 161.6

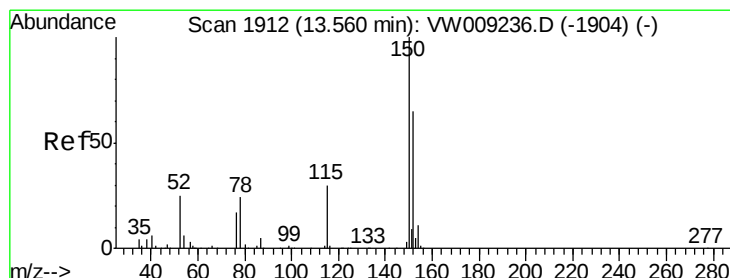
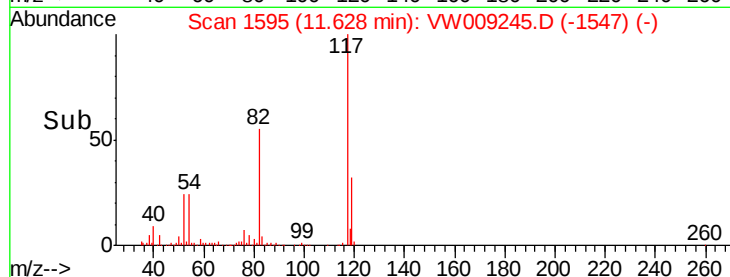
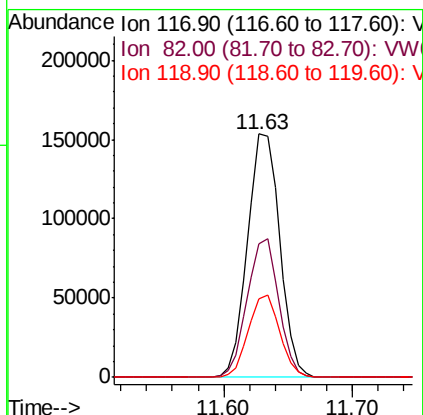
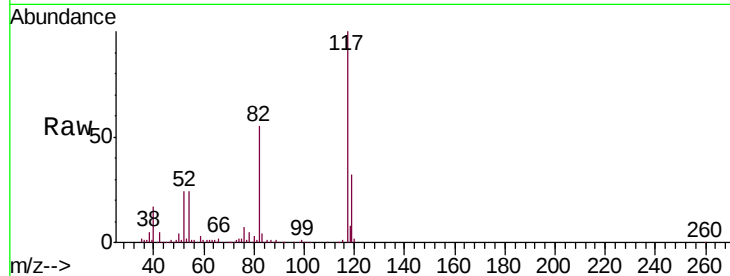




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009245.D
Acq: 19 Mar 2019 17:00

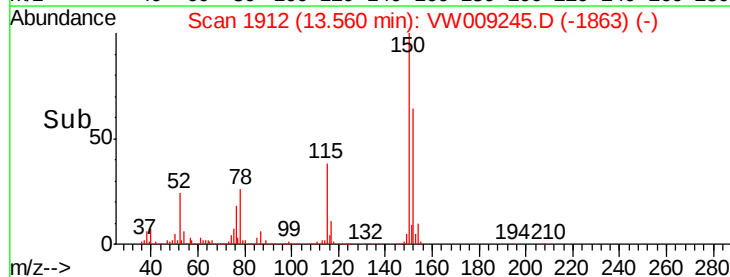
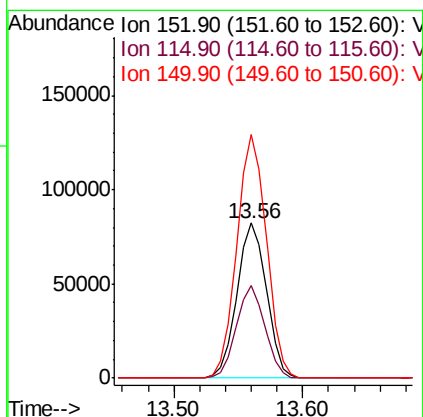
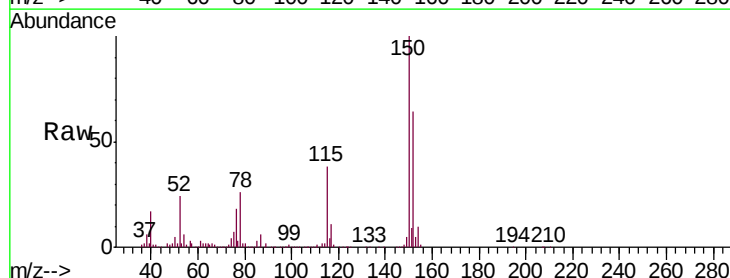
Instrument :
MSVOA_W
ClientSampled :
S-3RE

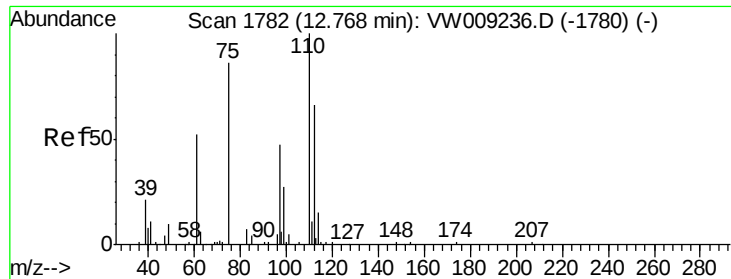
Tgt Ion:117 Resp: 265347
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009245.D
Acq: 19 Mar 2019 17:00

Tgt Ion:152 Resp: 130614
Ion Ratio Lower Upper
152 100
115 57.6 29.6 88.8
150 157.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 53.780 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

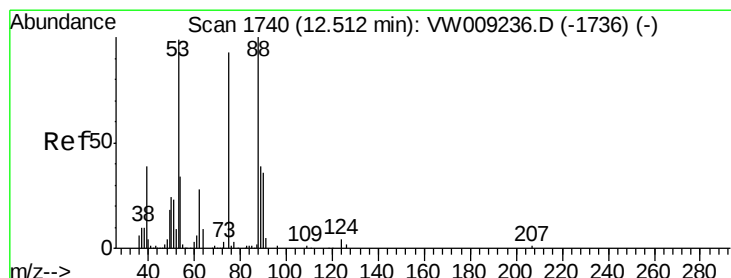
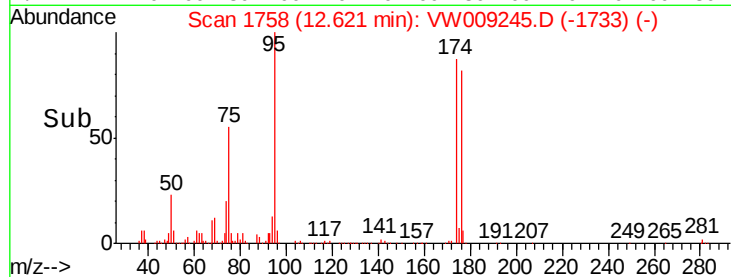
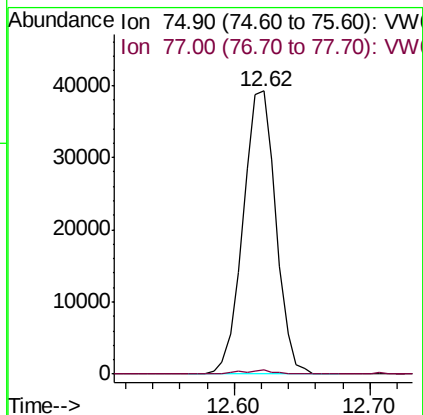
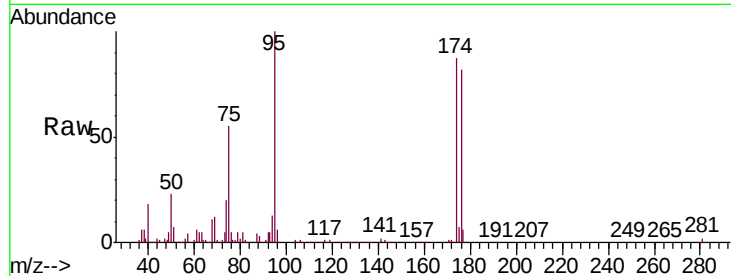
S-3RE

Tgt Ion: 75 Resp: 66010

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.960 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009245.D

Acq: 19 Mar 2019 17:00

Tgt Ion: 75 Resp: 66010

Ion Ratio Lower Upper

75 100

53 0.8 86.7 130.1#

89 0.0 36.4 54.6#

