

Data File : VW009240.D
Acq On : 19 Mar 2019 14:29
Operator : SY/VA
Sample : VW0319SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBL01

Quant Time: Mar 20 07:29:39 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	276206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	169864	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.88	113	147385	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	10.32	98	545920	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.62	95	179237	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

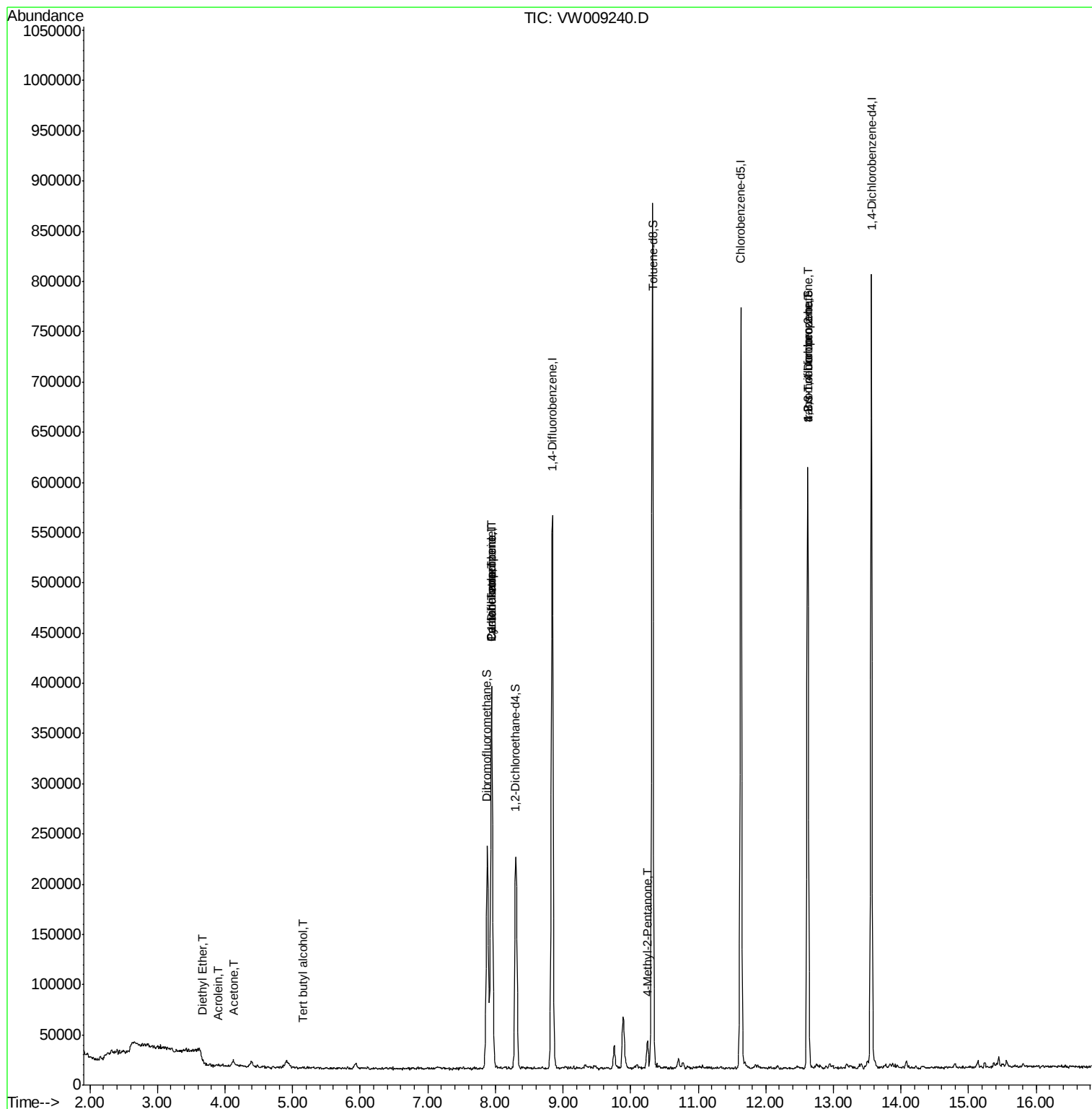
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	460	Below Cal		92
8) Diethyl Ether	3.67	74	1585	1.142 ug/l		85
11) Tert butyl alcohol	5.16	59	271	1.589 ug/l #		3
13) Acrolein	3.89	56	146	1.049 ug/l #		42
16) Acetone	4.12	43	10010	16.607 ug/l		92
20) Methylene Chloride	4.91	84	6051	Below Cal		97
31) Cyclohexane	7.95	56	7640	1.585 ug/l #		57
36) 1,1-Dichloropropene	7.94	75	22307	5.055 ug/l #		51
38) Carbon Tetrachloride	7.95	117	27708	5.933 ug/l #		17
51) 4-Methyl-2-Pentanone	10.25	43	3852	1.833 ug/l #		74
76) 1,2,3-Trichloropropane	12.62	75	98631	55.869 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	98631	137.087 ug/l #		7

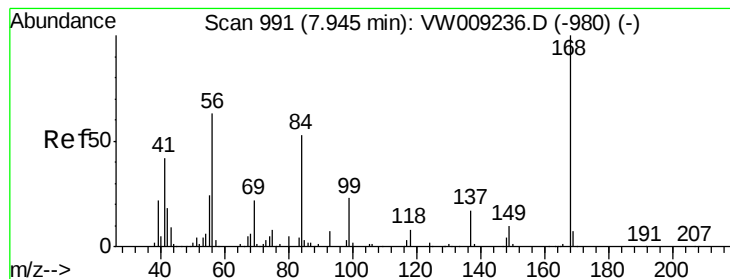
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW009240.D
Acq On : 19 Mar 2019 14:29
Operator : SY/VA
Sample : VW0319SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBL01

Quant Time: Mar 20 07:29:39 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

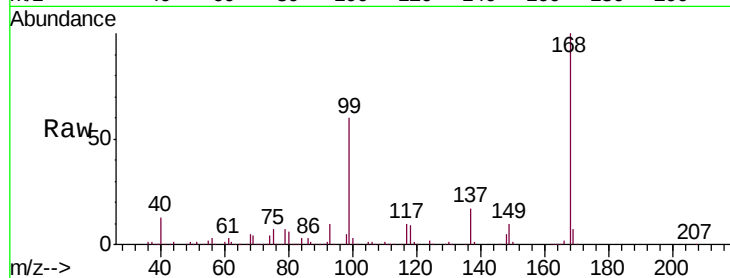
VW0319SBL01

Tgt Ion:168 Resp: 276206

Ion Ratio Lower Upper

168 100

99 59.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

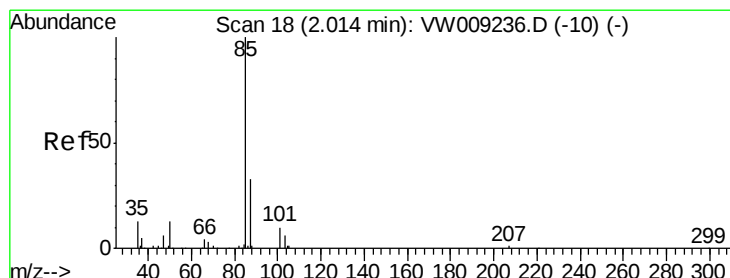
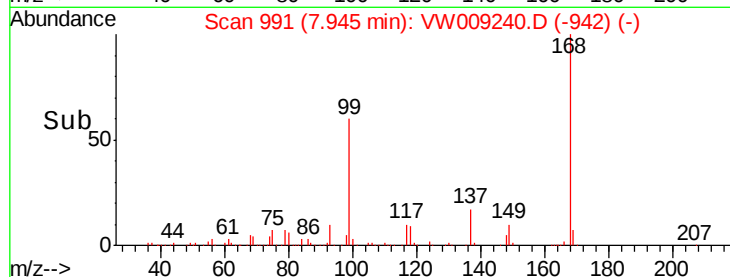
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009240.D

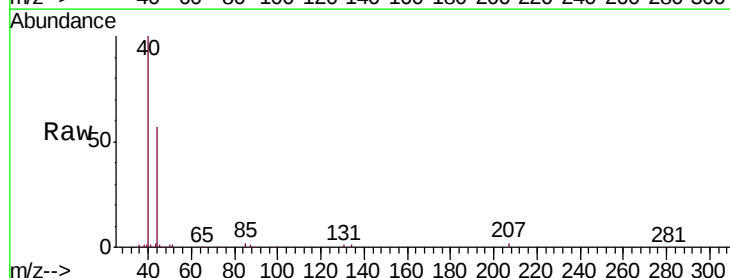
Acq: 19 Mar 2019 14:29

Tgt Ion: 85 Resp: 460

Ion Ratio Lower Upper

85 100

87 37.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

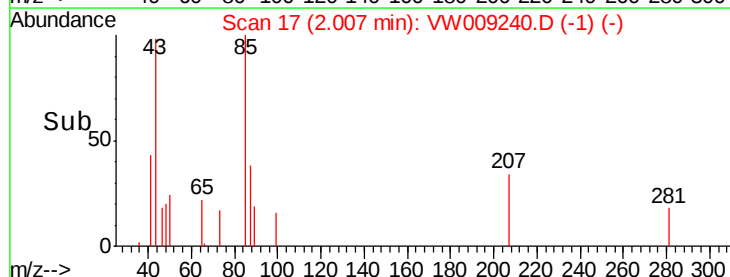
300

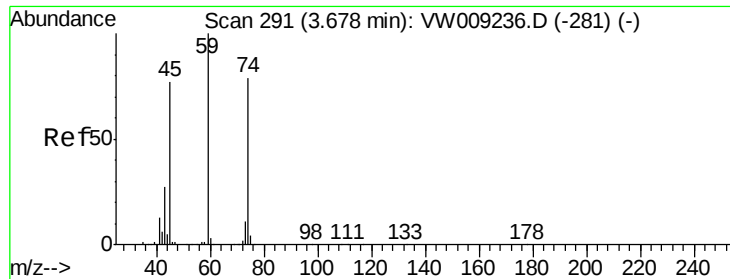
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.142 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

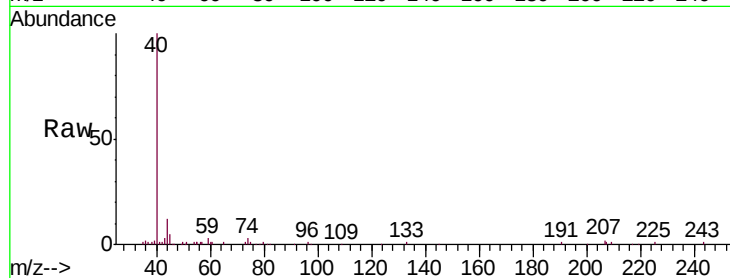
VW0319SBL01

Tgt Ion: 74 Resp: 1585

Ion Ratio Lower Upper

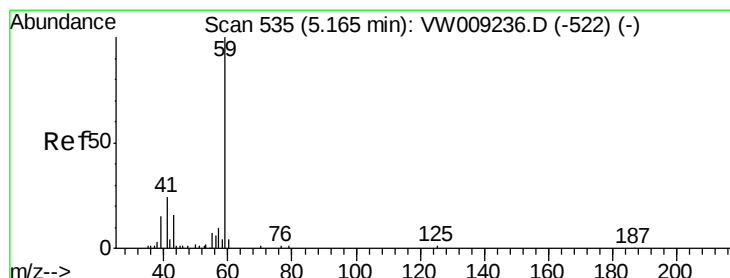
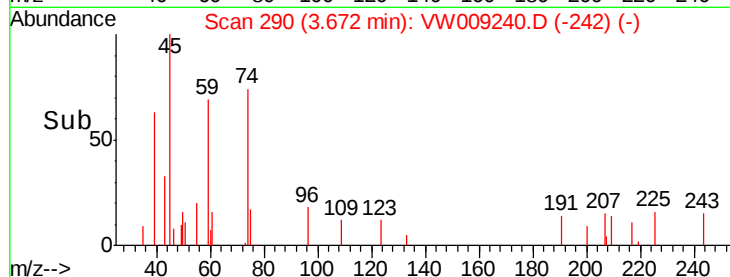
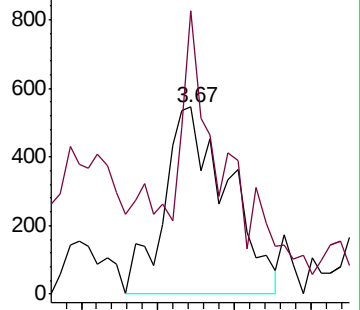
74 100

45 86.4 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 1.589 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW009240.D

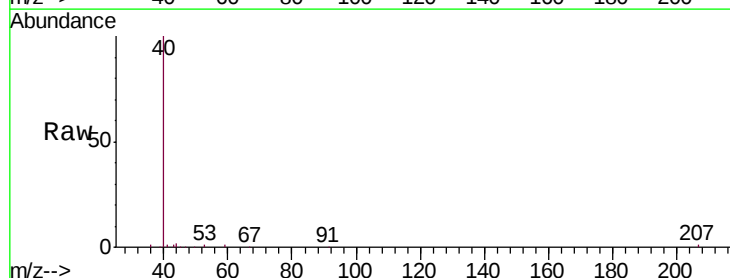
Acq: 19 Mar 2019 14:29

Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

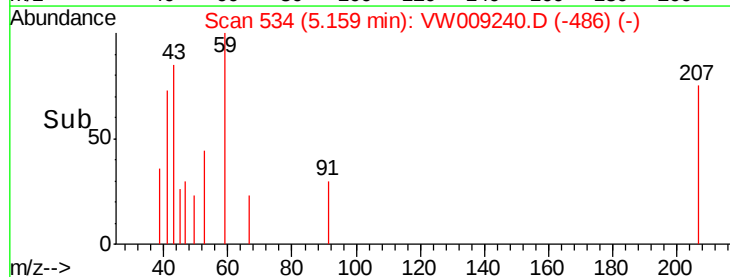
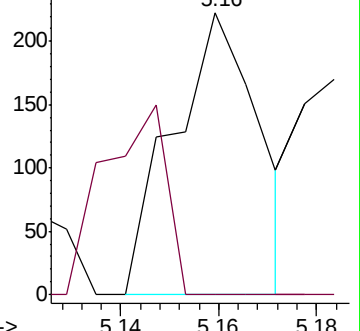
59 100

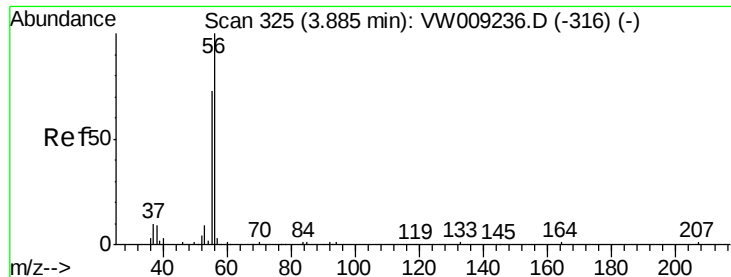
57 49.1 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.049 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampled :

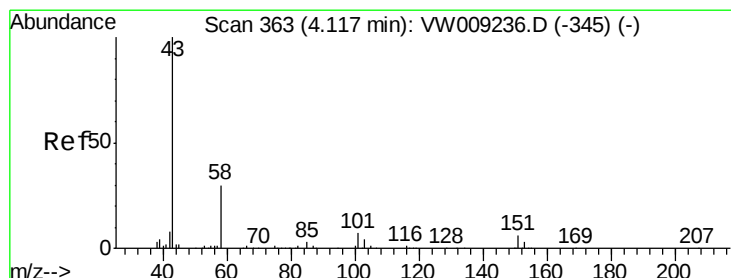
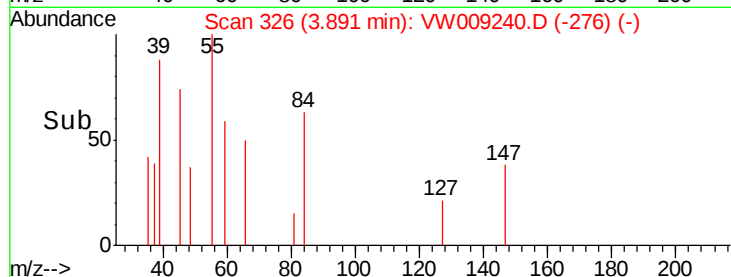
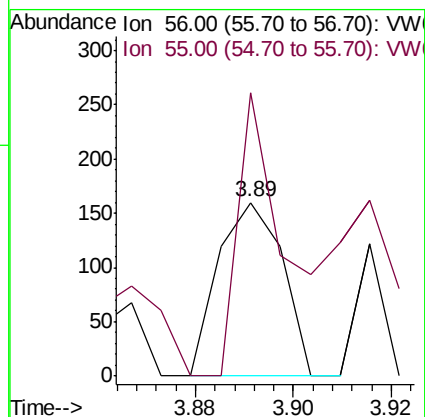
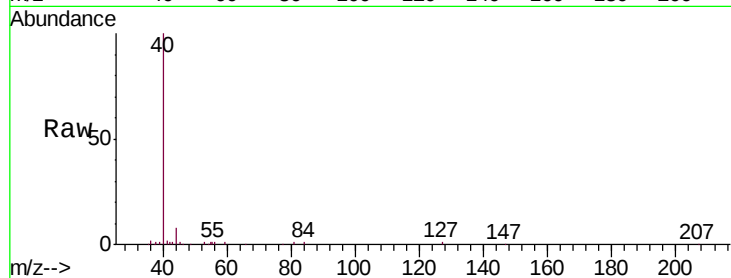
VW0319SBL01

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 116.4 55.2 82.8#



#16

Acetone

Concen: 16.607 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009240.D

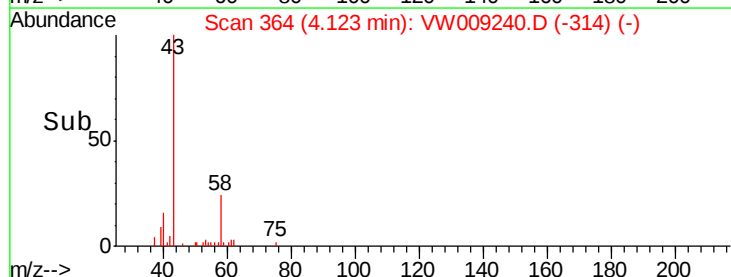
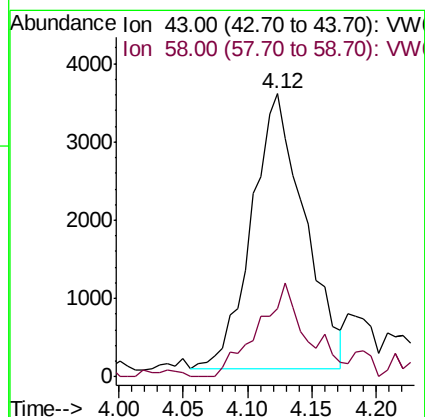
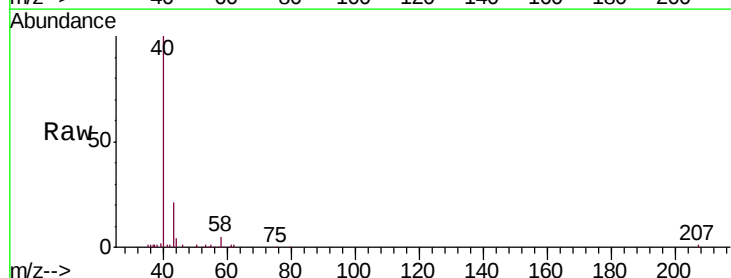
Acq: 19 Mar 2019 14:29

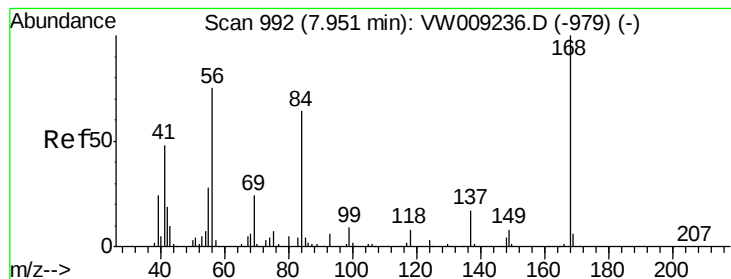
Tgt Ion: 43 Resp: 10010

Ion Ratio Lower Upper

43 100

58 25.0 23.6 35.4





#31

Cyclohexane

Concen: 1.585 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBL01

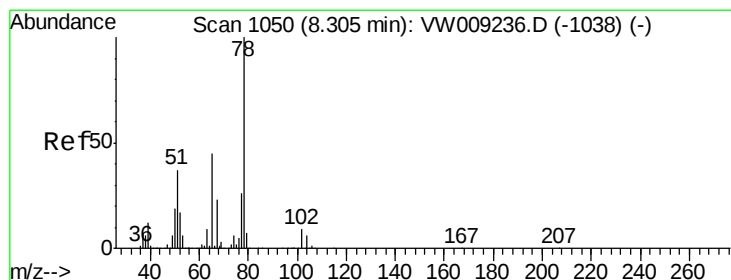
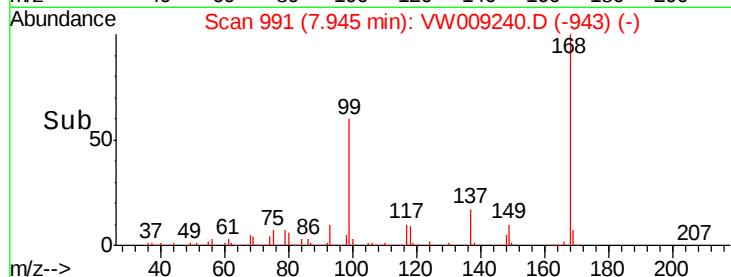
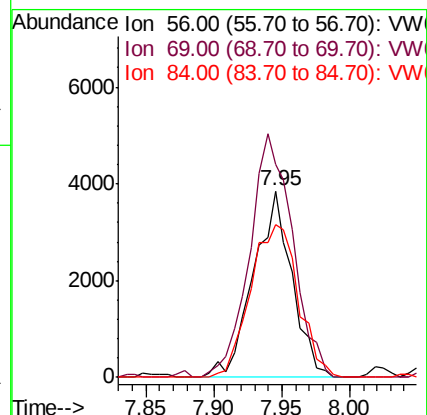
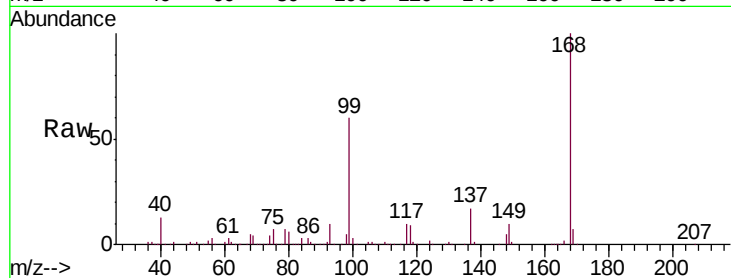
Tgt Ion: 56 Resp: 7640

Ion Ratio Lower Upper

56 100

69 114.3 26.1 39.1#

84 81.6 68.6 103.0



#33

1,2-Dichloroethane-d4

Concen: 57.817 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009240.D

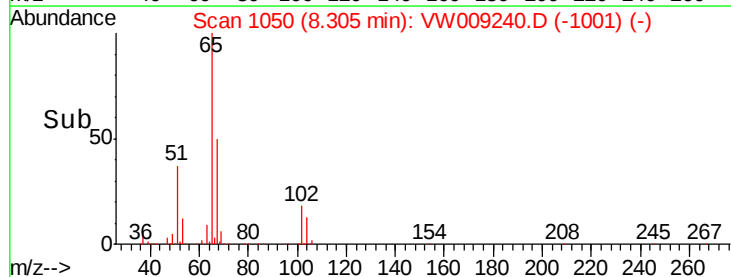
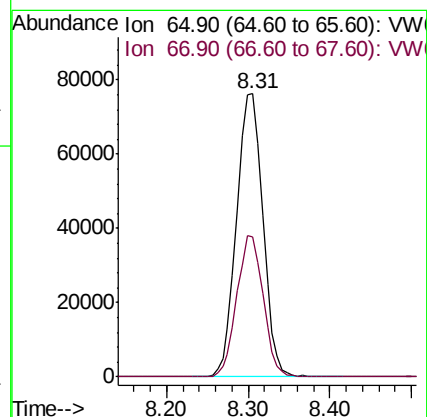
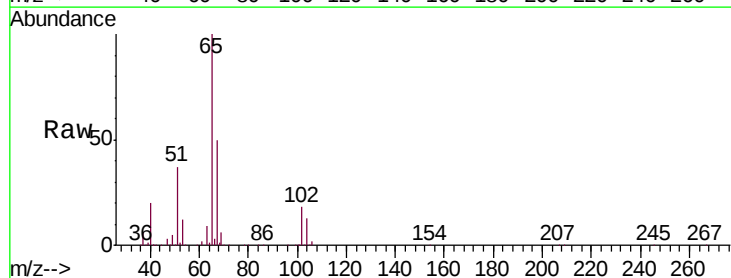
Acq: 19 Mar 2019 14:29

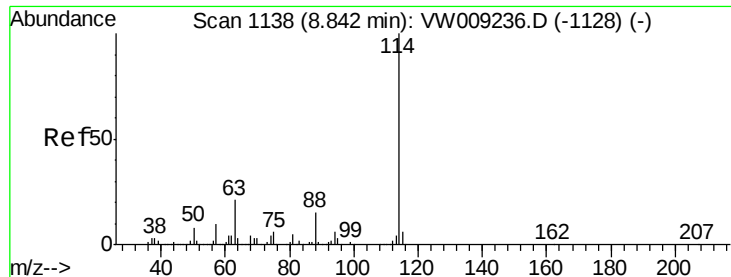
Tgt Ion: 65 Resp: 169864

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.4

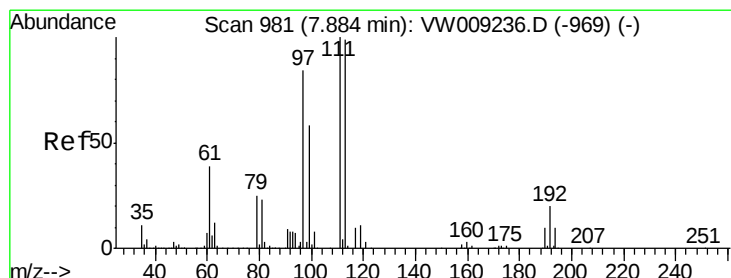
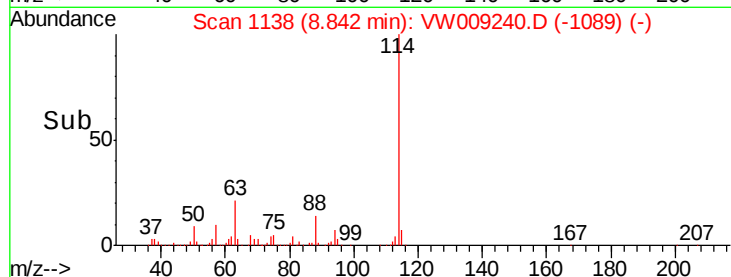
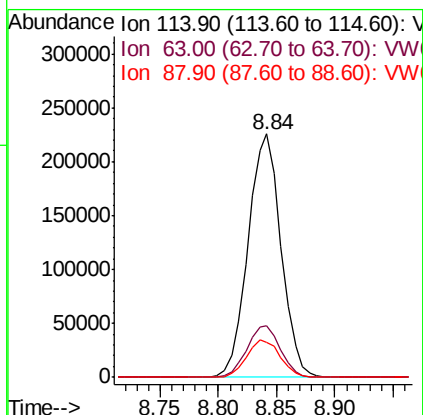
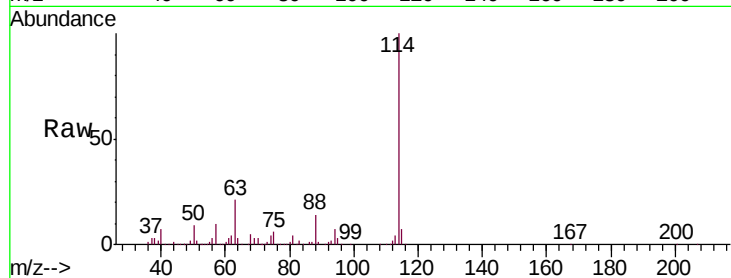




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009240.D
 Acq: 19 Mar 2019 14:29

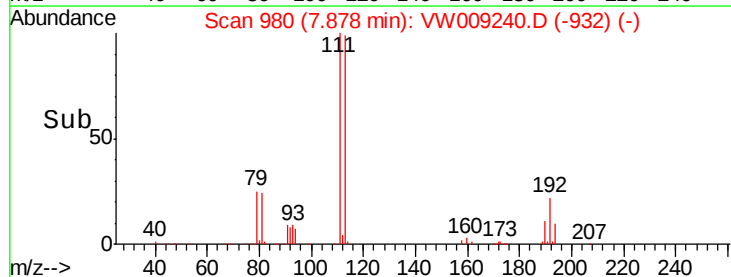
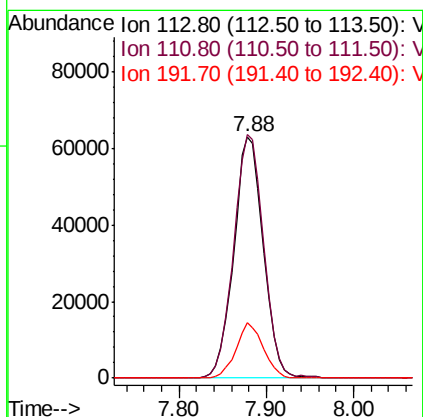
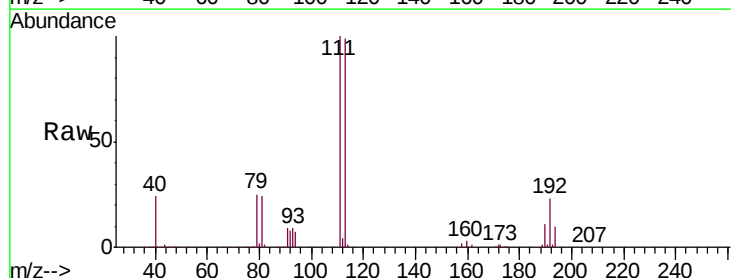
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBL01

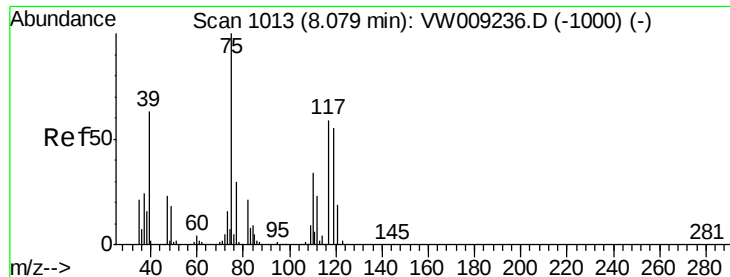
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.2
88	14.4	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 52.388 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009240.D
 Acq: 19 Mar 2019 14:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	124.0
192	21.2	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBL01

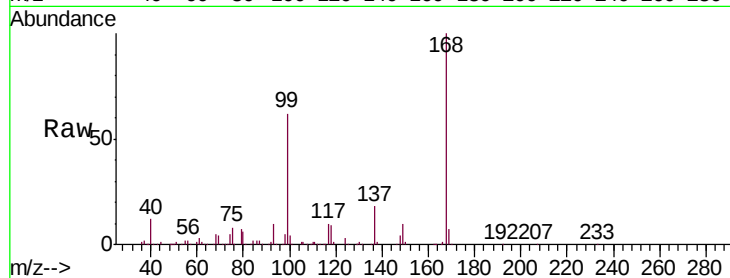
Tgt Ion: 75 Resp: 22307

Ion Ratio Lower Upper

75 100

110 8.7 16.8 50.4#

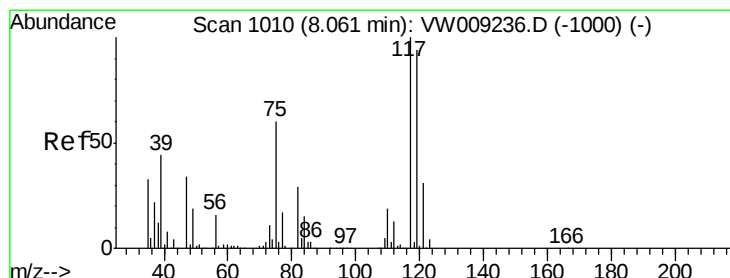
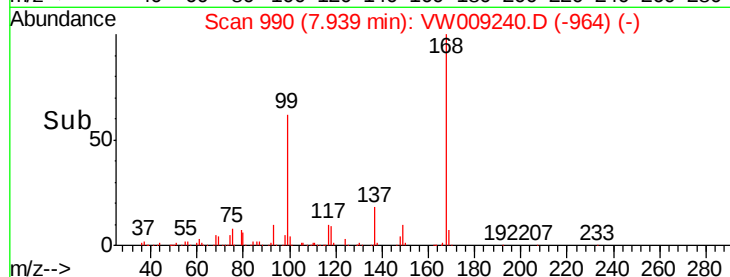
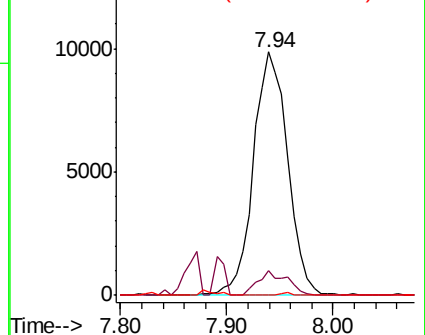
77 0.3 24.6 36.8#



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: 5.933 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

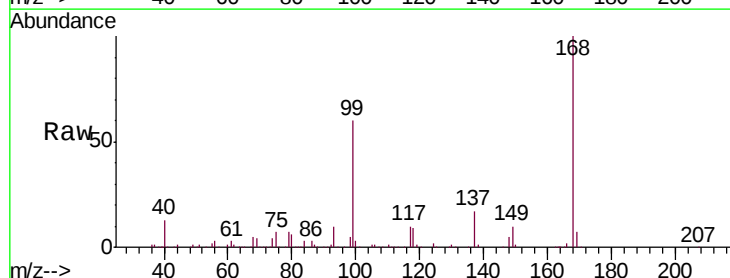
Tgt Ion: 117 Resp: 27708

Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

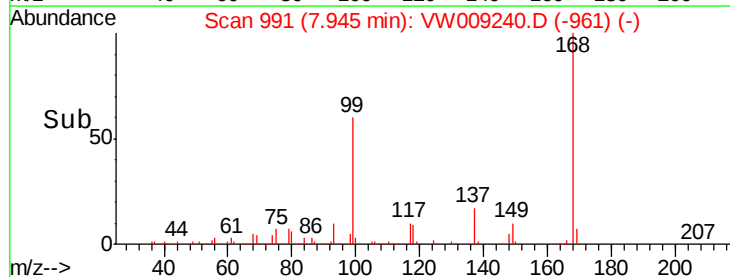
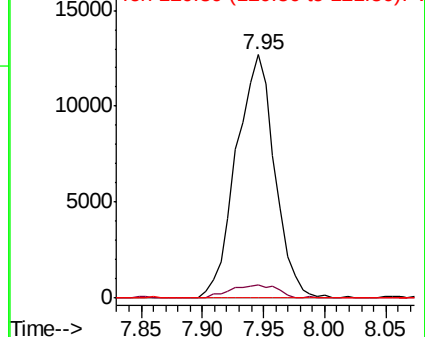
121 0.0 24.9 37.3#

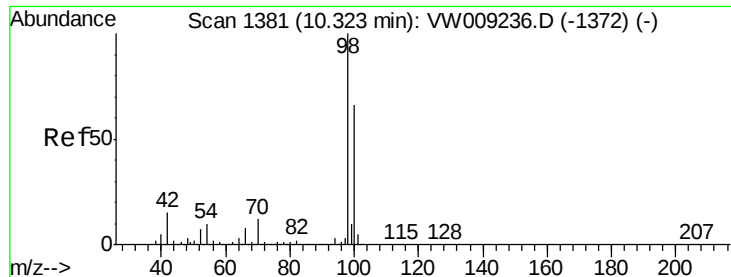


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.397 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

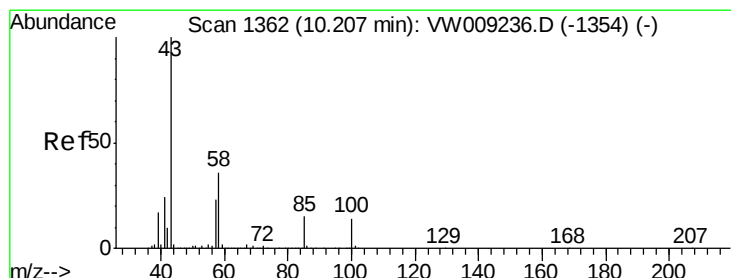
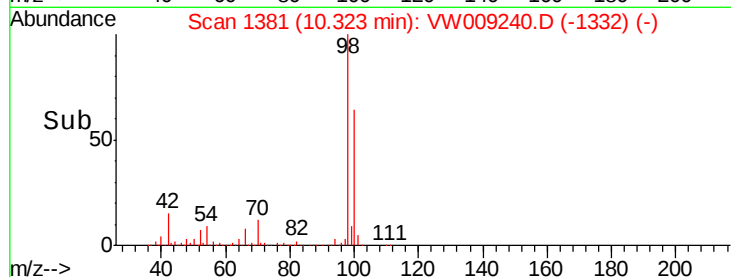
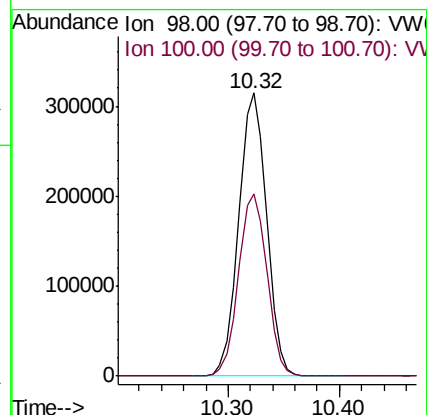
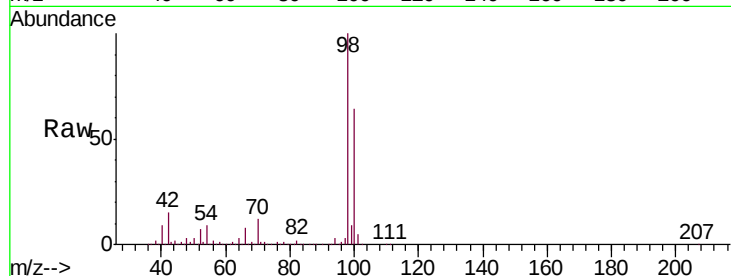
VW0319SBL01

Tgt Ion: 98 Resp: 545920

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 1.833 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009240.D

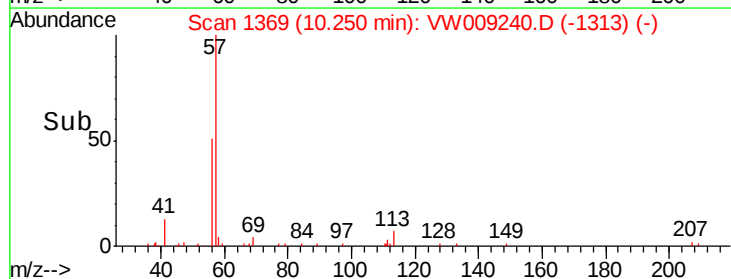
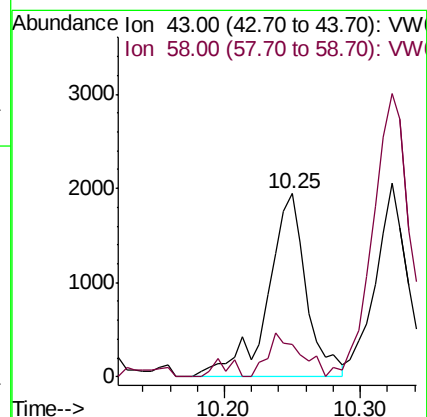
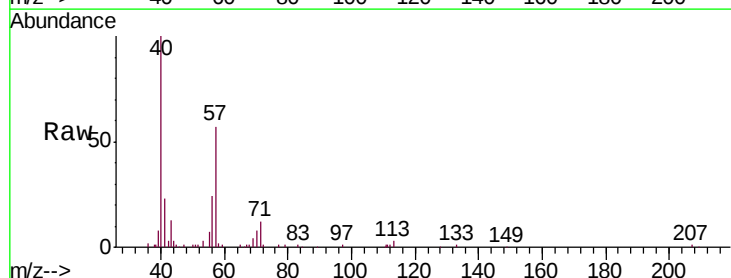
Acq: 19 Mar 2019 14:29

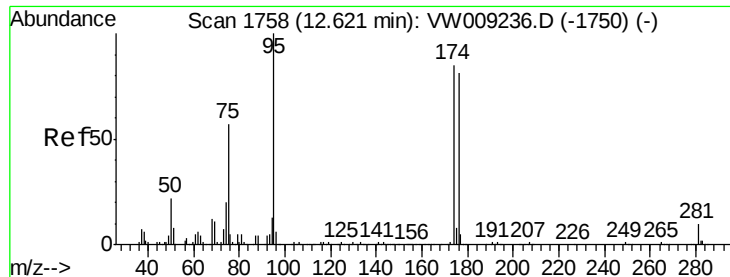
Tgt Ion: 43 Resp: 3852

Ion Ratio Lower Upper

43 100

58 20.4 28.6 42.8#





#62

4-Bromofluorobenzene

Concen: 47.748 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBL01

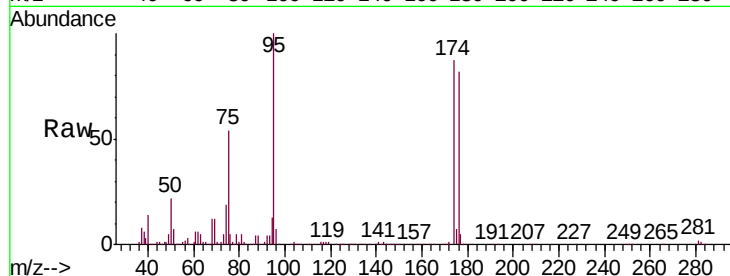
Tgt Ion: 95 Resp: 179237

Ion Ratio Lower Upper

95 100

174 83.2 0.0 168.4

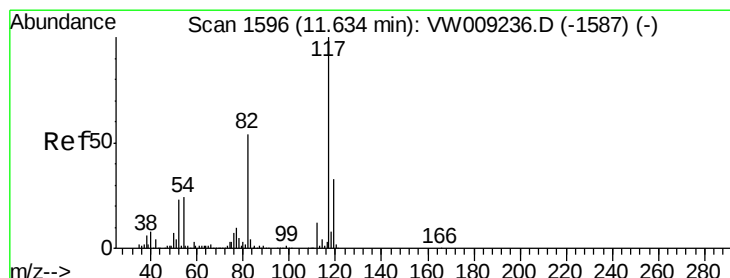
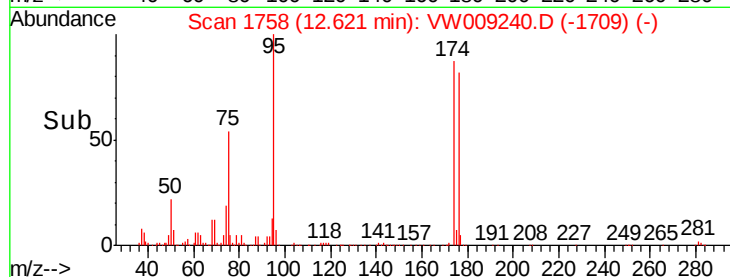
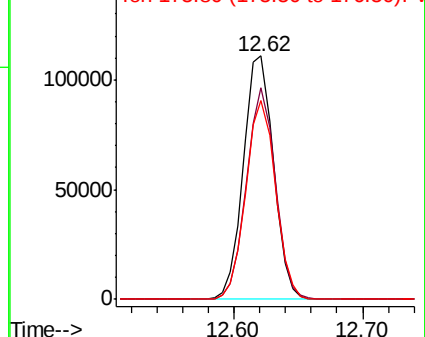
176 80.4 0.0 161.6



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: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

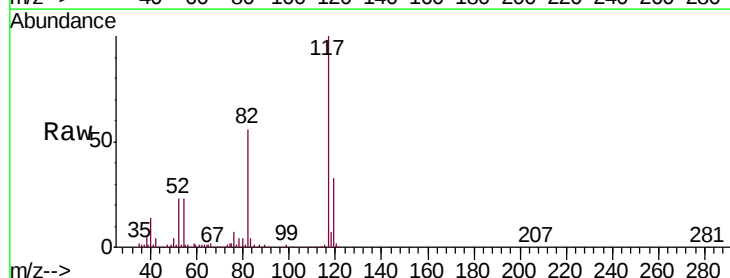
Tgt Ion: 117 Resp: 393249

Ion Ratio Lower Upper

117 100

82 56.1 43.6 65.4

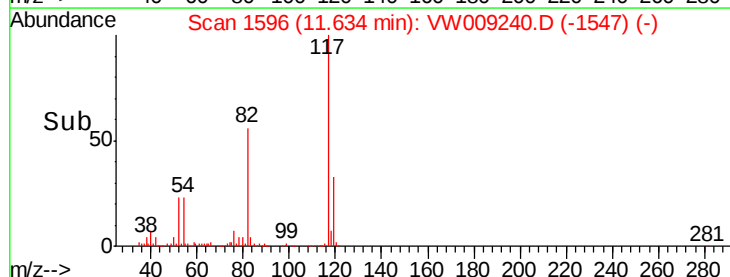
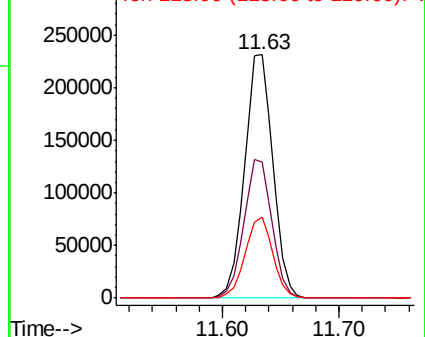
119 33.1 26.0 39.0

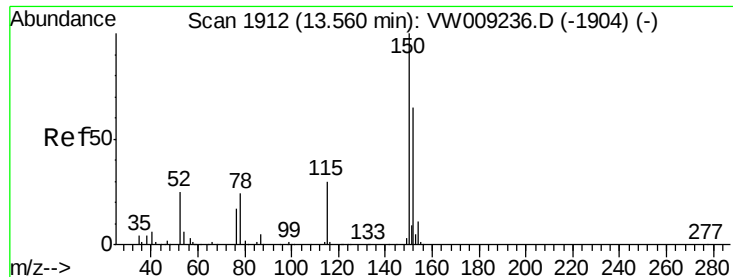


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBL01

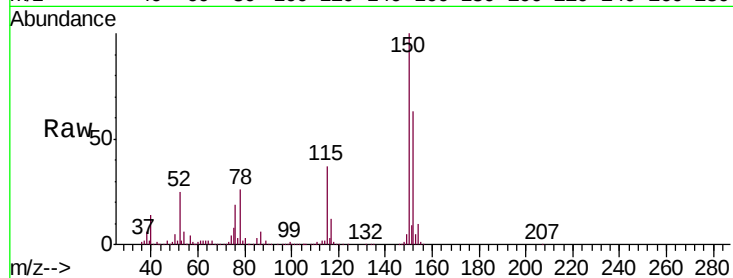
Tgt Ion:152 Resp: 187863

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.8

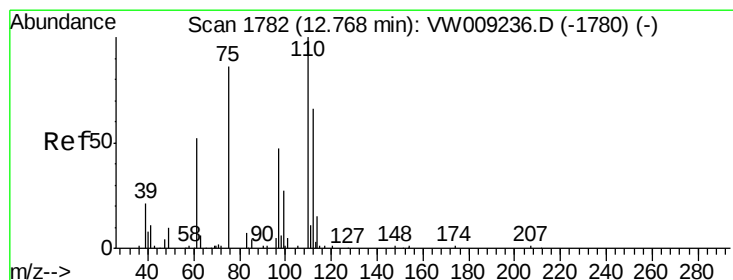
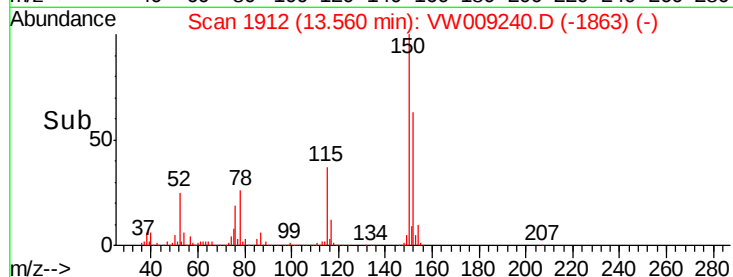
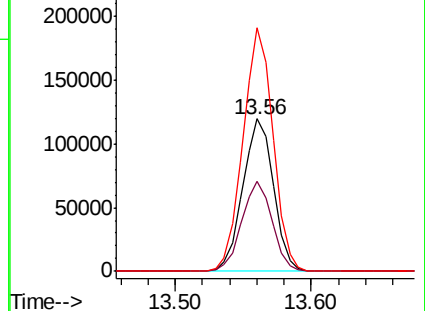
150 157.1 0.0 349.2



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: 55.869 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009240.D

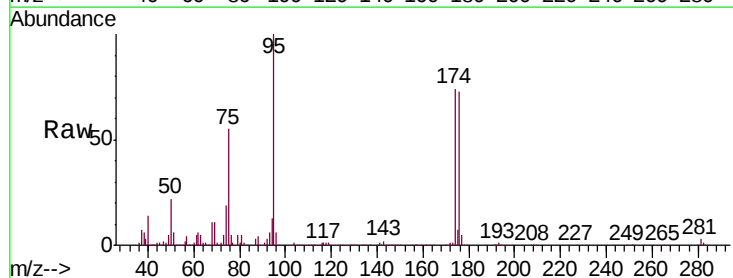
Acq: 19 Mar 2019 14:29

Tgt Ion: 75 Resp: 98631

Ion Ratio Lower Upper

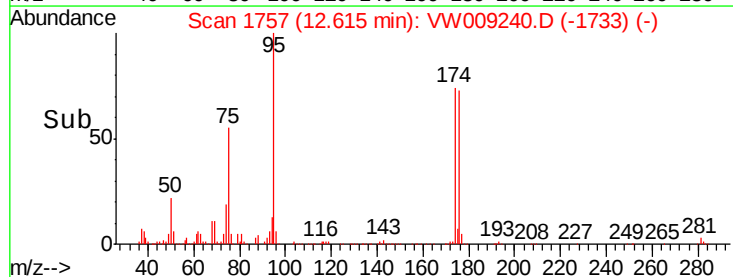
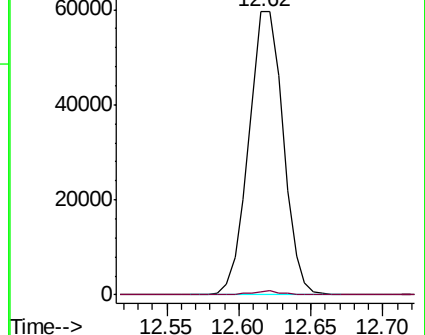
75 100

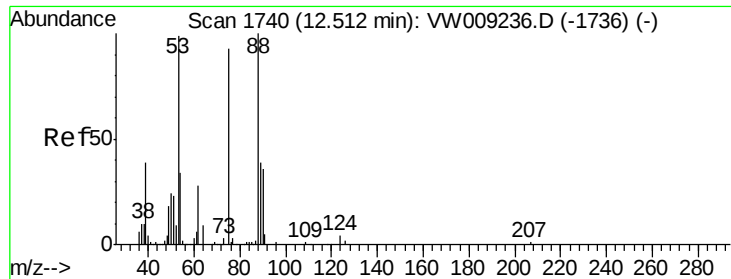
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 137.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009240.D

Acq: 19 Mar 2019 14:29

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBL01

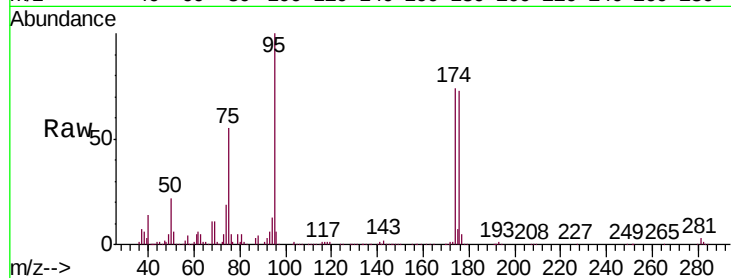
Tgt Ion: 75 Resp: 98631

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

89 0.1 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

