

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013184.D
 Acq On : 20 Sep 2019 16:06
 Operator : SY/VA
 Sample : VW0920SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 16:35:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	278462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125272	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	7.88	113	115923	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.32	98	476662	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.62	95	152525	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	

Target Compounds

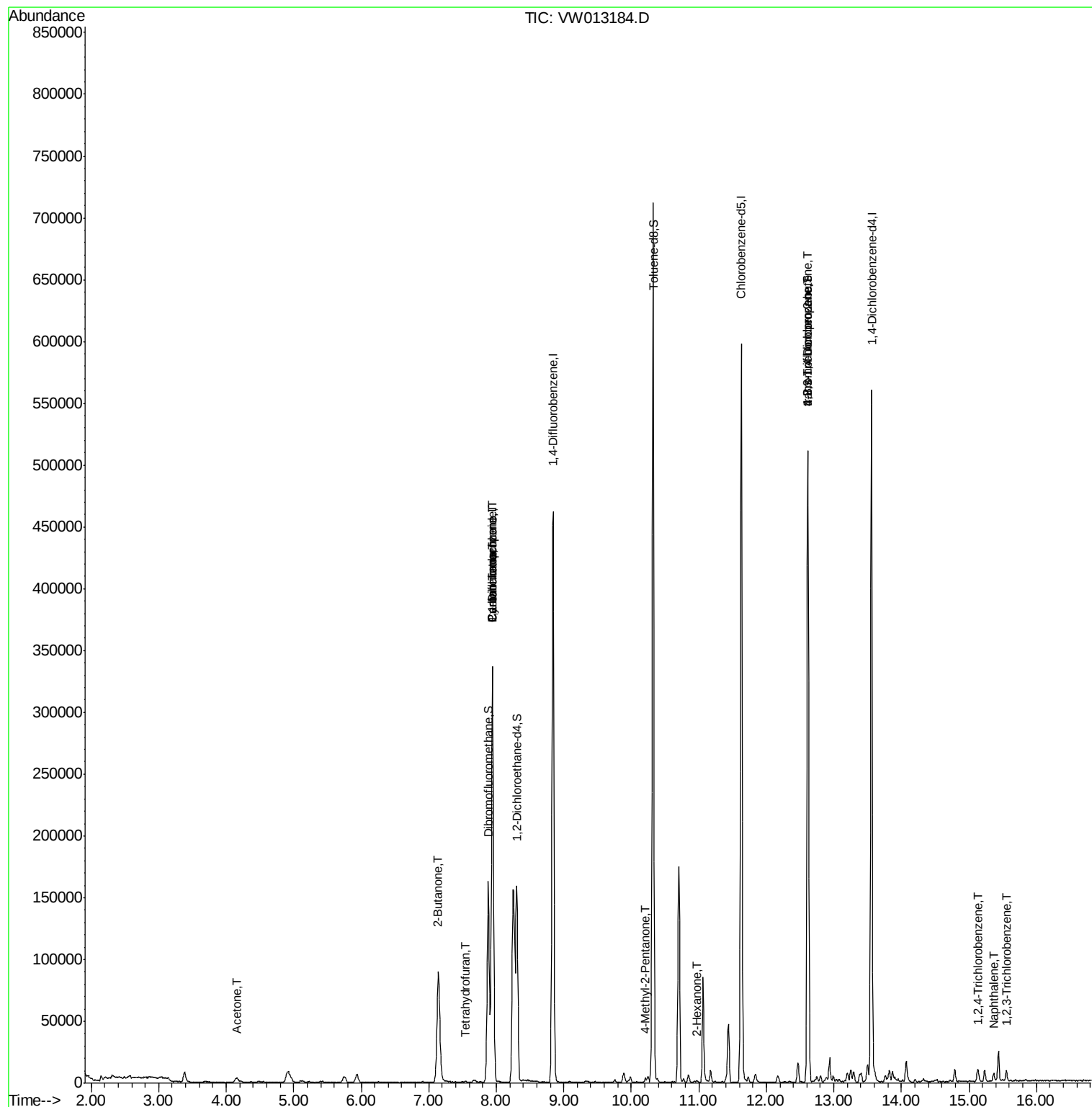
					Qvalue
11) Tert butyl alcohol	5.21	59	333	Below Cal	# 79
16) Acetone	4.16	43	7822	15.262	ug/l 93
20) Methylene Chloride	4.92	84	7198	Below Cal	97
25) 2-Butanone	7.13	43	5722	7.437	ug/l # 71
26) 2,2-Dichloropropane	7.15	77	6818	Below Cal	# 52
29) Tetrahydrofuran	7.54	42	717	1.520	ug/l # 53
31) Cyclohexane	7.94	56	5078	1.031	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	19211	4.806	ug/l # 47
38) Carbon Tetrachloride	7.95	117	24833	6.930	ug/l # 17
51) 4-Methyl-2-Pentanone	10.21	43	2210	1.354	ug/l # 84
59) 2-Hexanone	10.96	43	1265	1.126	ug/l 94
76) 1,2,3-Trichloropropane	12.62	75	74322	52.592	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	74322	118.013	ug/l # 12
93) 1,2,4-Trichlorobenzene	15.14	180	3594	1.075	ug/l 94
95) Naphthalene	15.37	128	5785	1.058	ug/l 97
96) 1,2,3-Trichlorobenzene	15.55	180	3482	1.206	ug/l 97

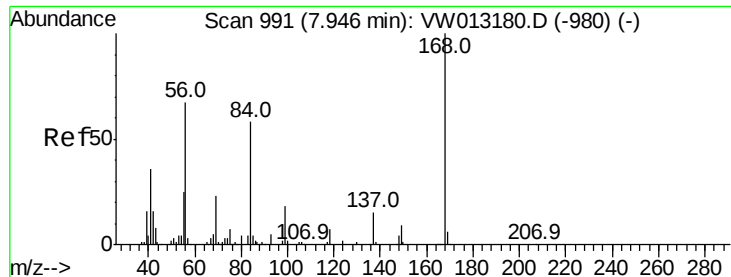
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013184.D
Acq On : 20 Sep 2019 16:06
Operator : SY/VA
Sample : VW0920SBL01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 20 16:35:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

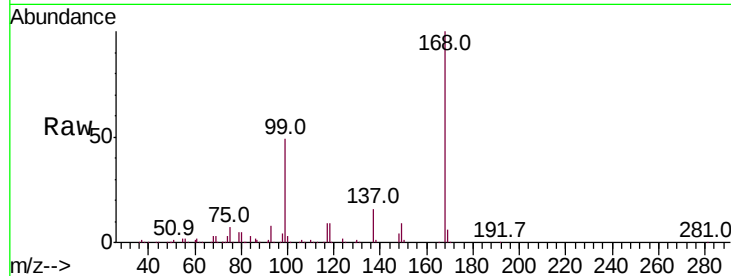
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 278462

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

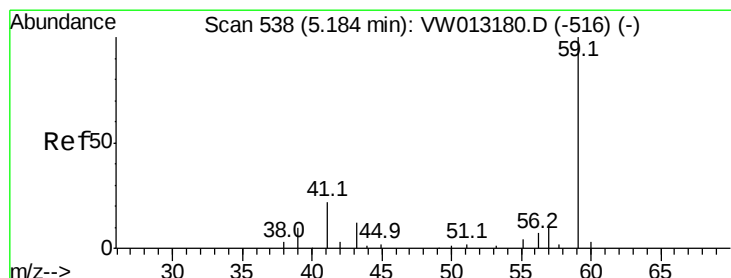
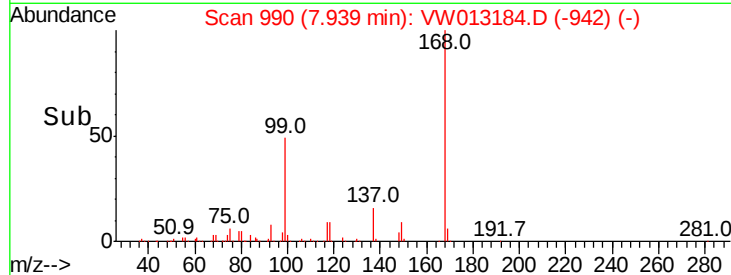
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW013184.D

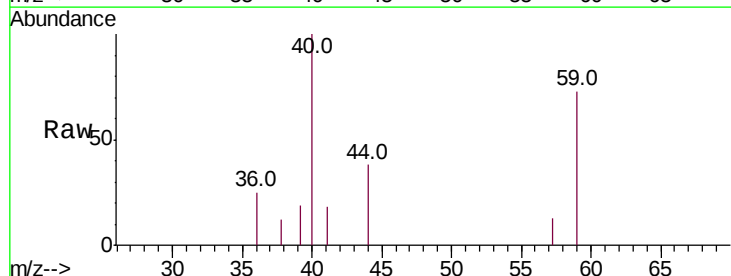
Acq: 20 Sep 2019 16:06

Tgt Ion: 59 Resp: 333

Ion Ratio Lower Upper

59 100

57 18.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

300

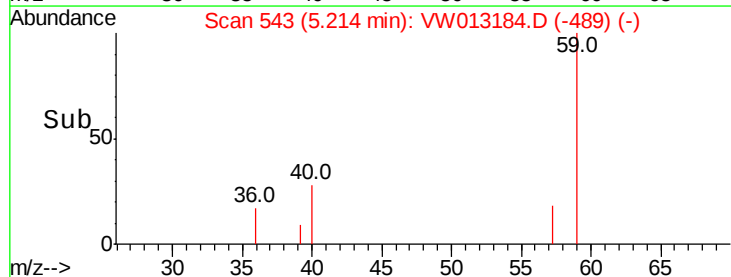
200

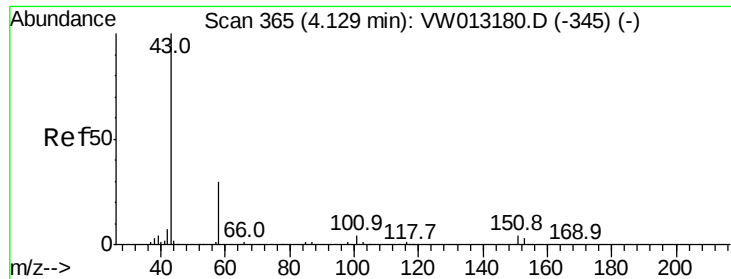
100

0

5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 15.262 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

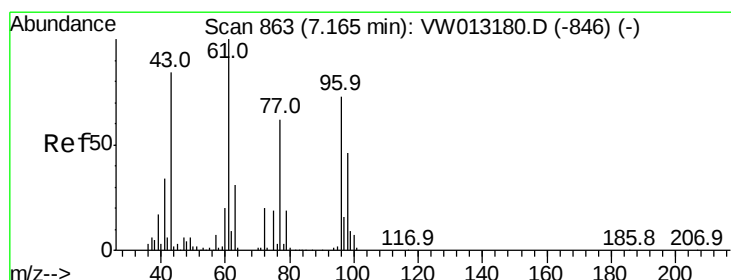
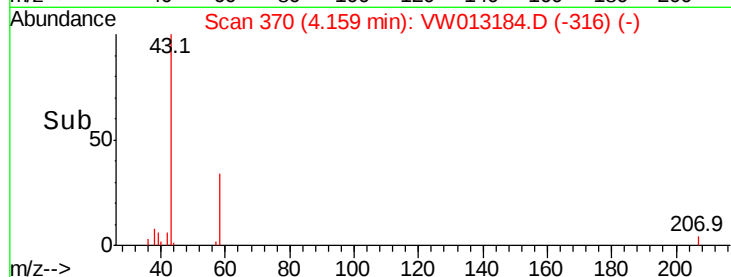
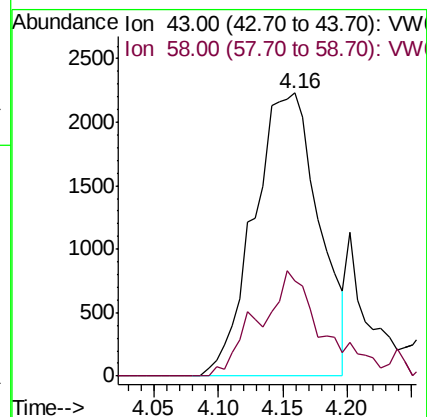
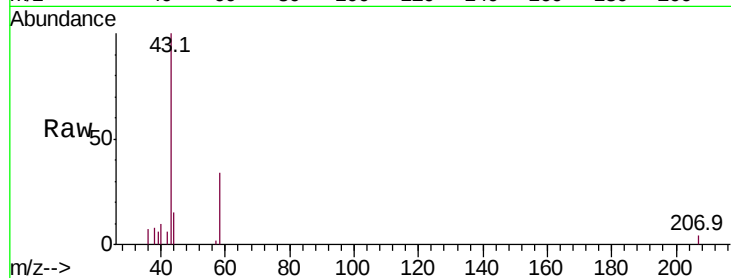
ClientSampled :

Tot Ion: 43 Resp: 7822

Ion Ratio Lower Upper

43 100

58 33.8 24.1 36.1



#25

2-Butanone

Concen: 7.437 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013184.D

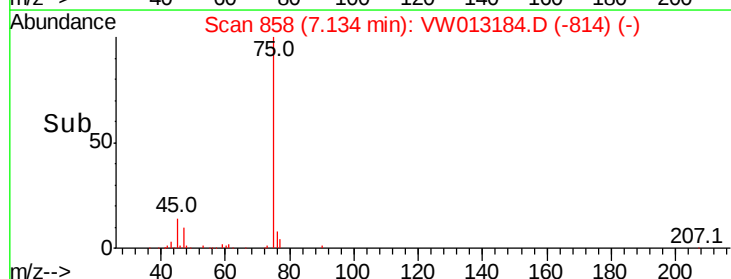
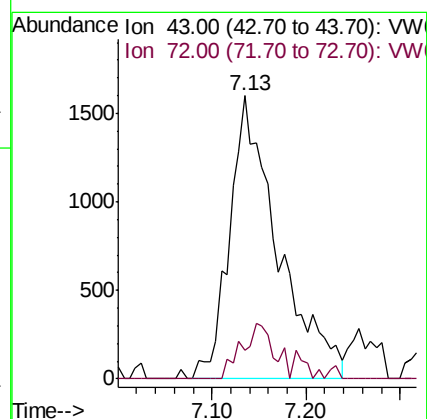
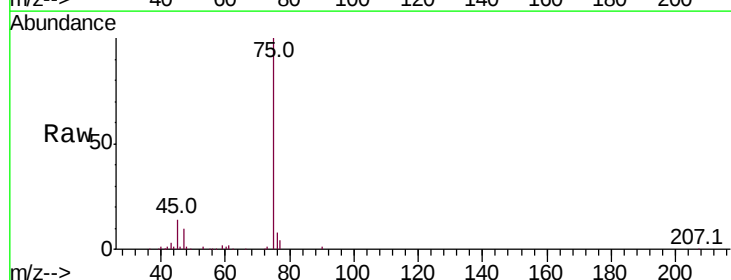
Acq: 20 Sep 2019 16:06

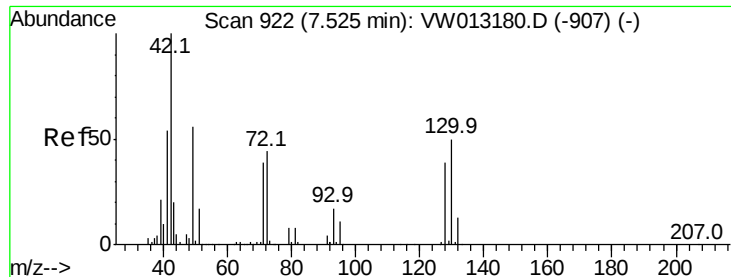
Tgt Ion: 43 Resp: 5722

Ion Ratio Lower Upper

43 100

72 9.9 19.4 29.0#





#29

Tetrahydrofuran

Concen: 1.520 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

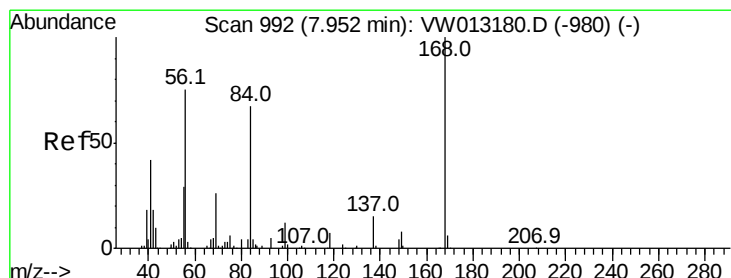
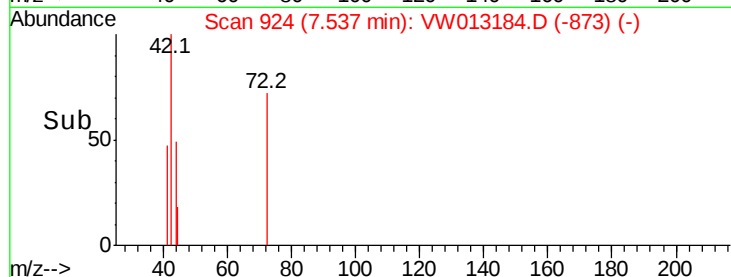
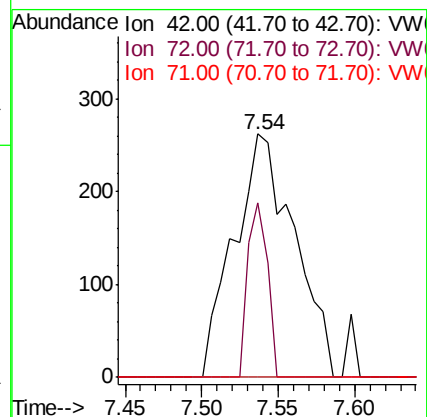
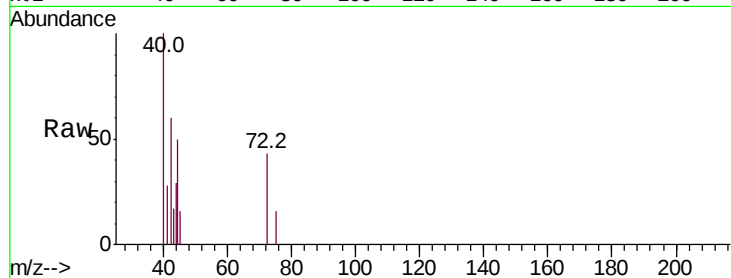
Tot Ion: 42 Resp: 717

Ion Ratio Lower Upper

42 100

72 23.3 33.9 50.9#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

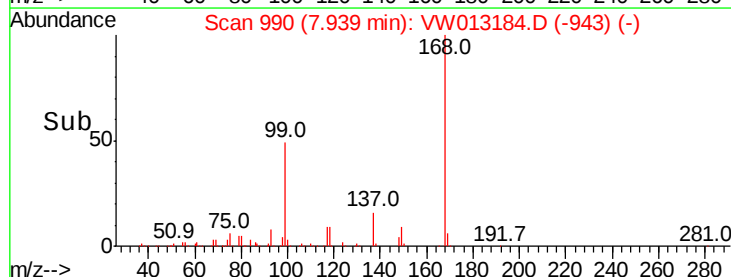
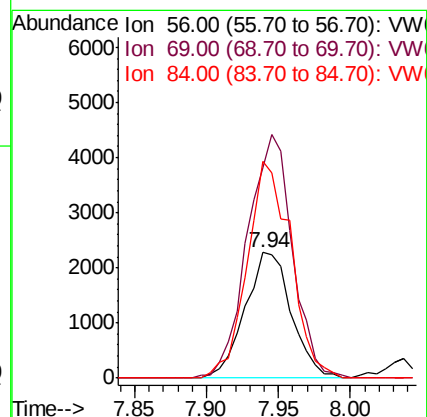
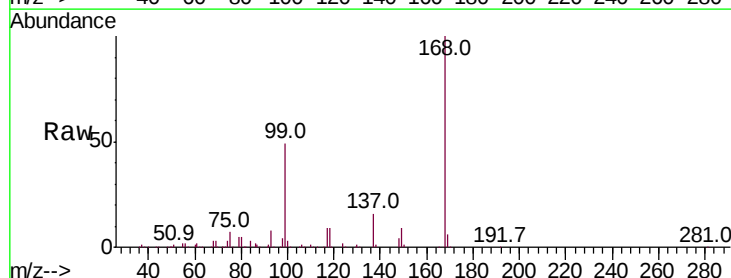
Tgt Ion: 56 Resp: 5078

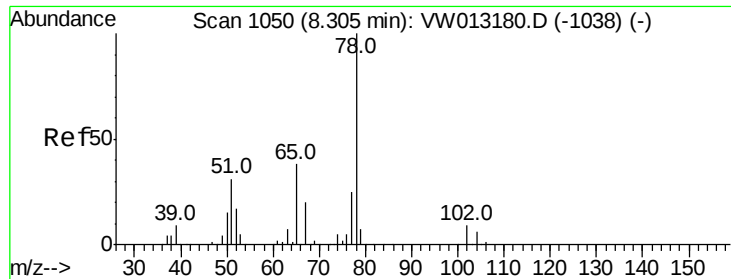
Ion Ratio Lower Upper

56 100

69 167.4 27.2 40.8#

84 173.1 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 55.121 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

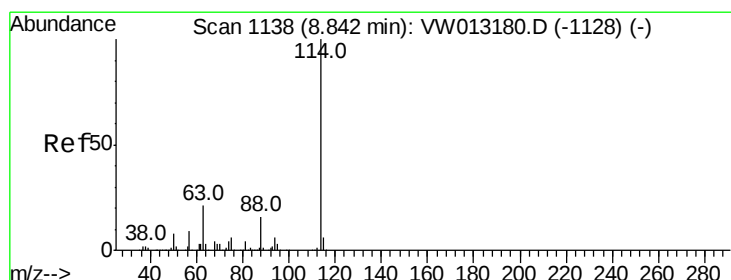
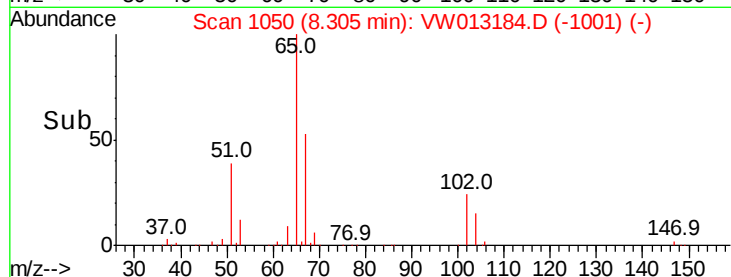
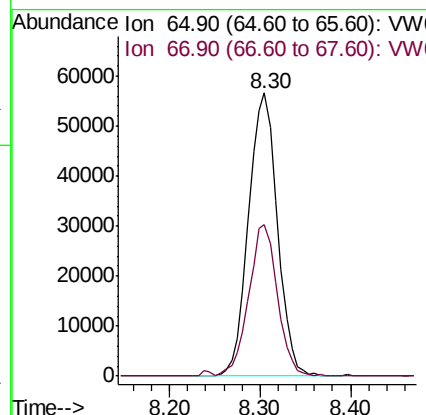
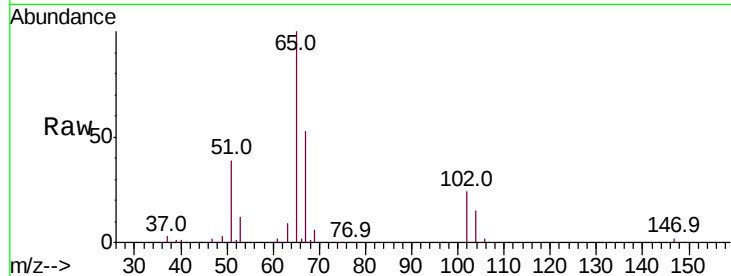
ClientSampleId :

Tot Ion: 65 Resp: 125272

Ion Ratio Lower Upper

65 100

67 53.5 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: VW013184.D

Acq: 20 Sep 2019 16:06

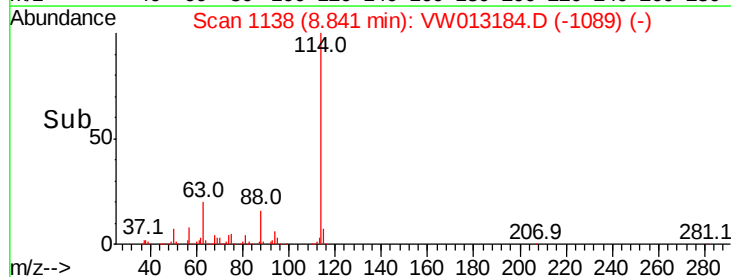
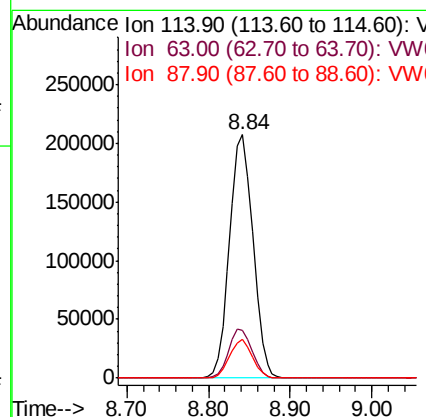
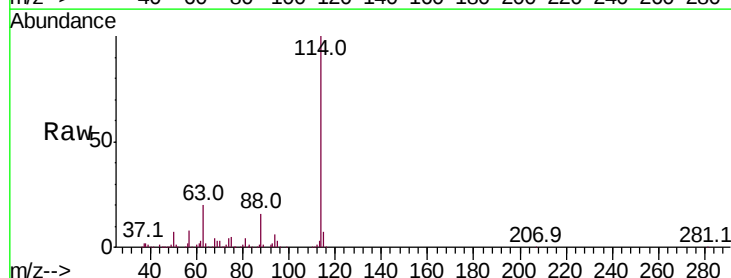
Tgt Ion: 114 Resp: 412739

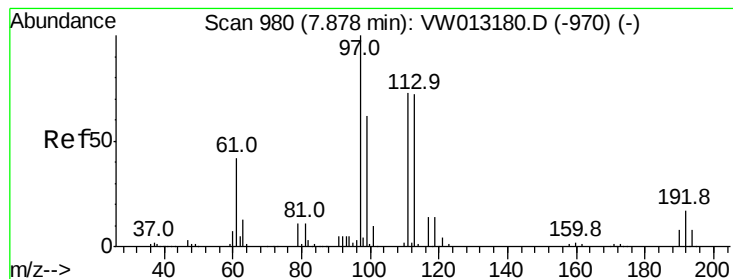
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.066 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :

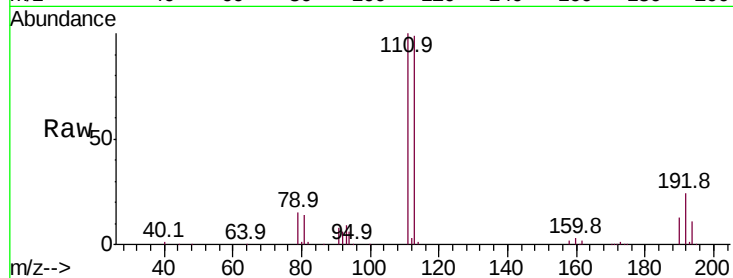
Tot Ion:113 Resp: 115923

Ion Ratio Lower Upper

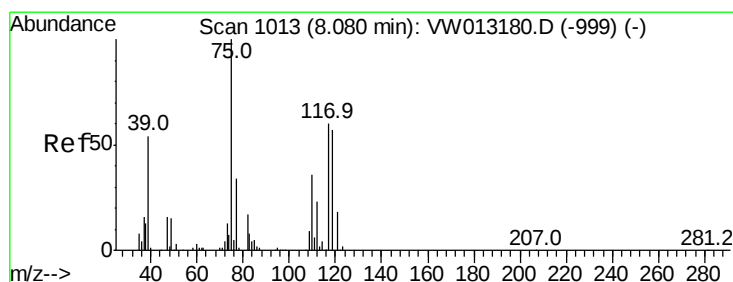
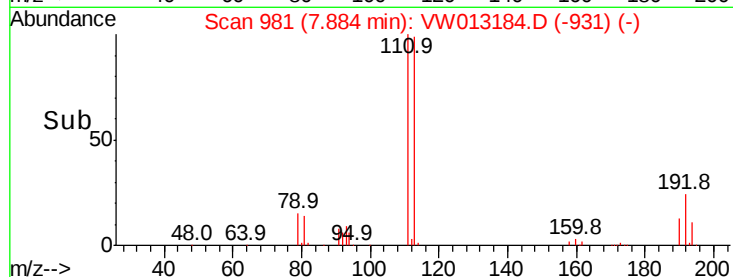
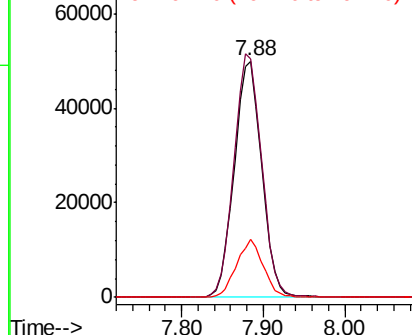
113 100

111 104.0 81.9 122.9

192 23.7 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

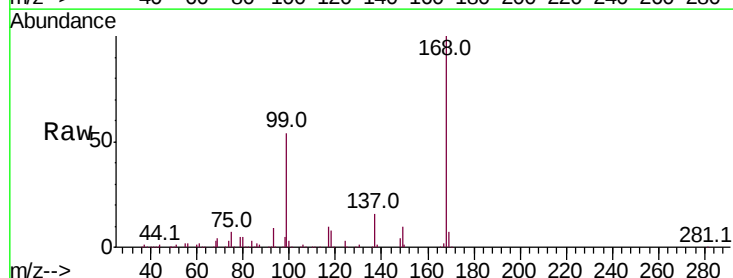
Tgt Ion: 75 Resp: 19211

Ion Ratio Lower Upper

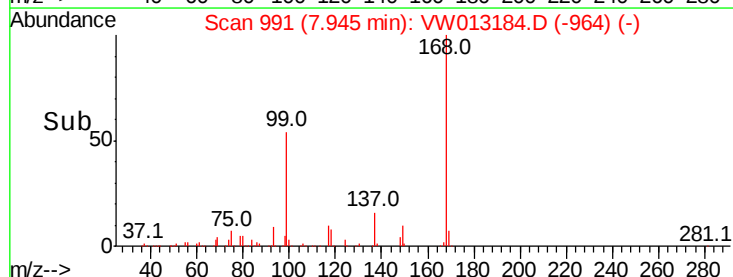
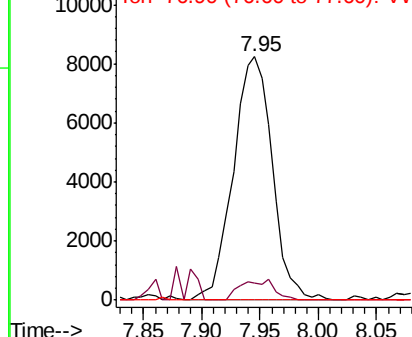
75 100

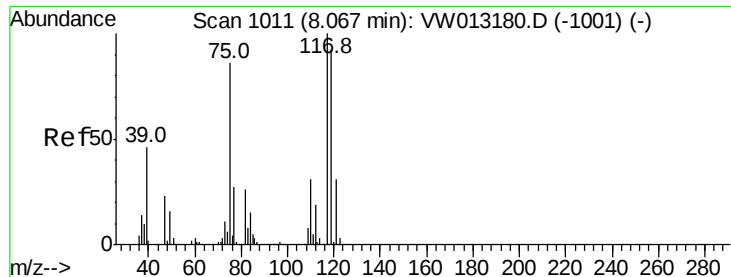
110 7.1 18.1 54.3#

77 0.0 25.8 38.6#



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: 6.930 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

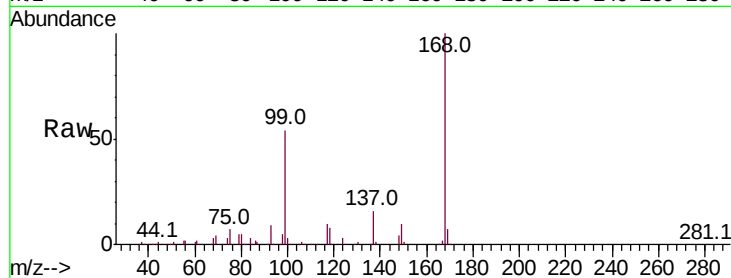
Tot Ion:117 Resp: 24833

Ion Ratio Lower Upper

117 100

119 3.8 73.5 110.3#

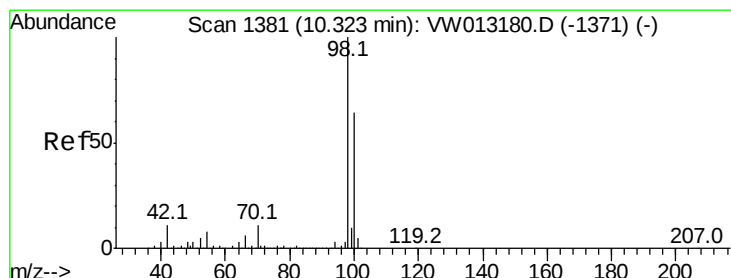
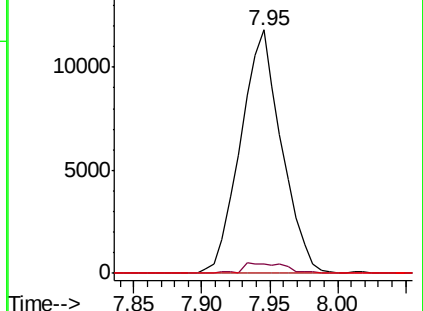
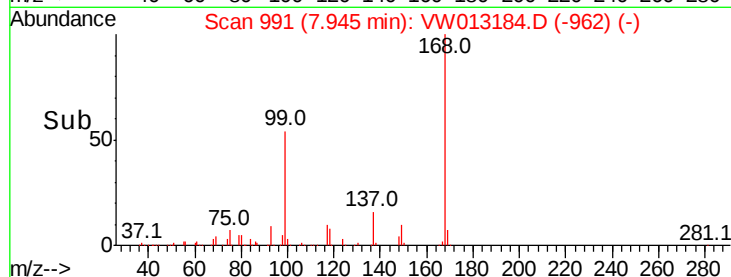
121 0.0 25.0 37.6#



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: 50.172 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013184.D

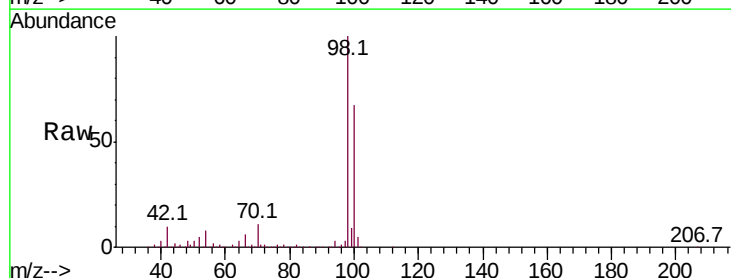
Acq: 20 Sep 2019 16:06

Tgt Ion: 98 Resp: 476662

Ion Ratio Lower Upper

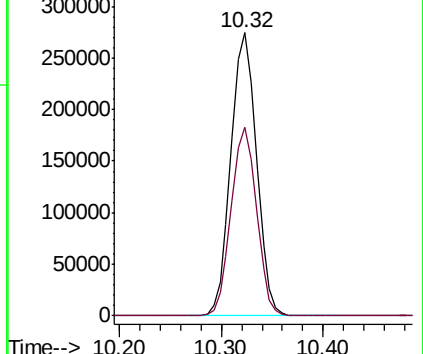
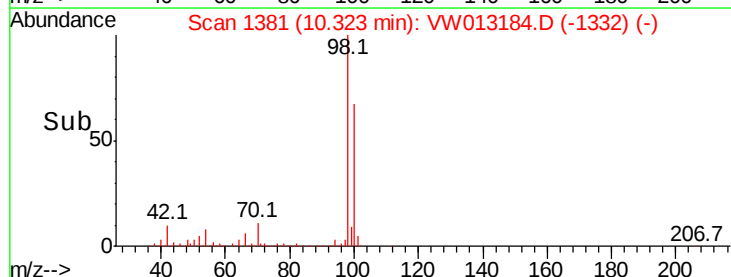
98 100

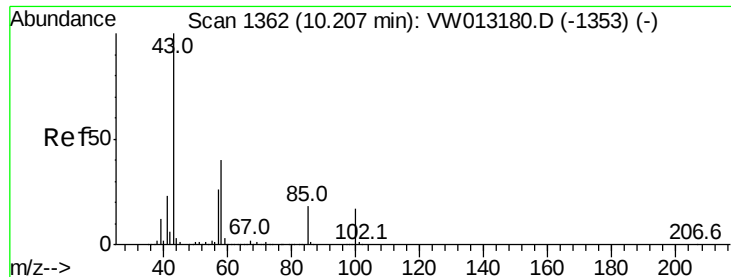
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.354 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

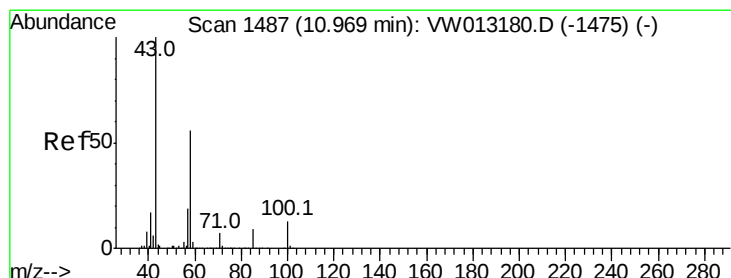
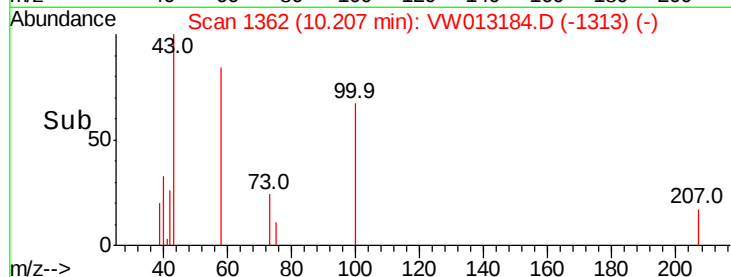
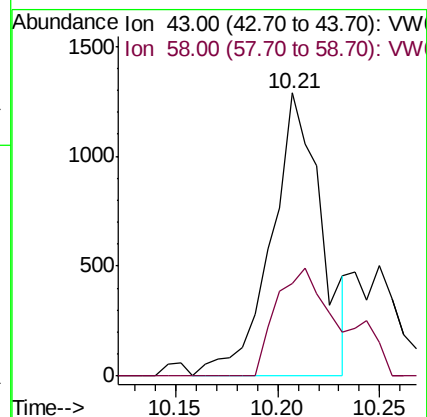
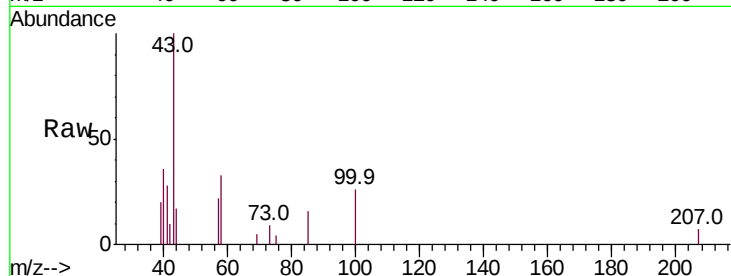
ClientSampled :

Tot Ion: 43 Resp: 2210

Ion Ratio Lower Upper

43 100

58 49.7 31.7 47.5#



#59

2-Hexanone

Concen: 1.126 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW013184.D

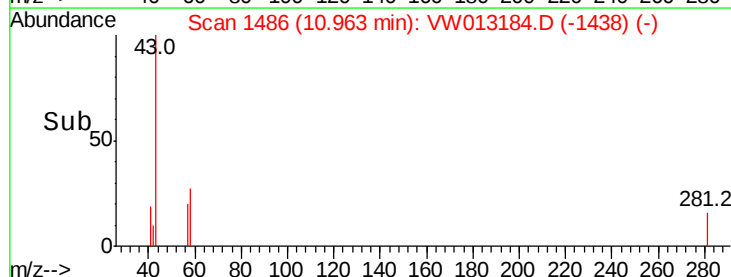
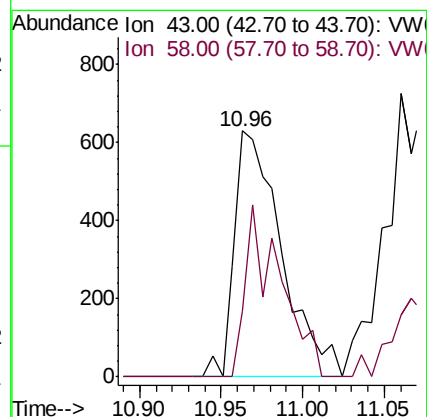
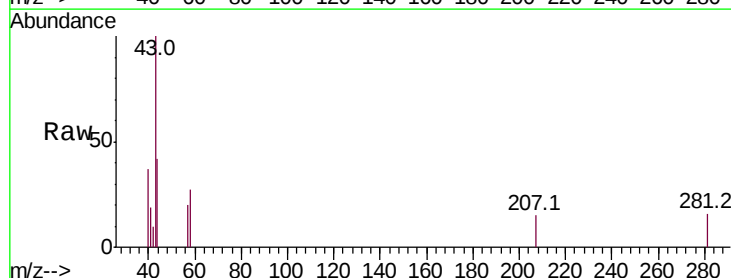
Acq: 20 Sep 2019 16:06

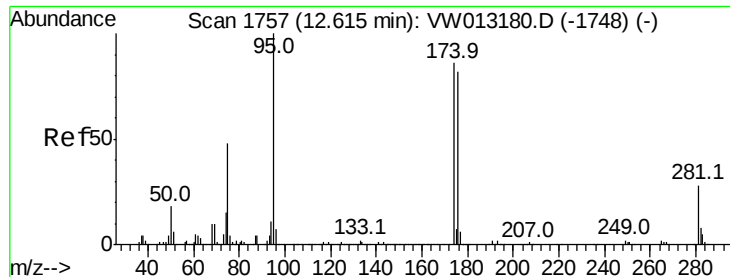
Tgt Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

58 52.0 28.1 84.2

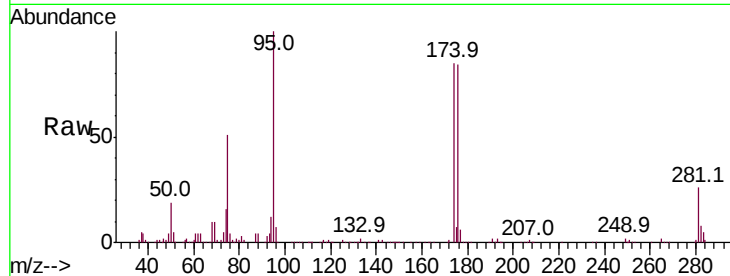




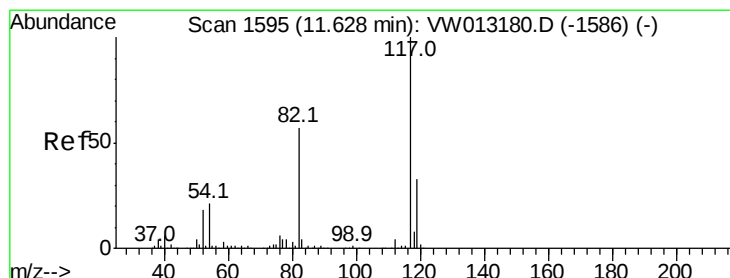
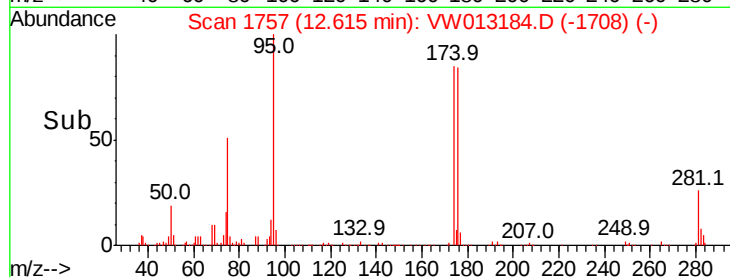
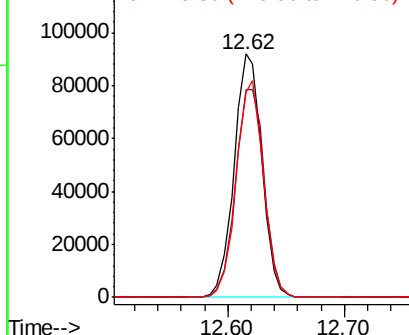
#62
4-Bromofluorobenzene
Concen: 46.999 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013184.D
Acq: 20 Sep 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	178.4
176	87.4	0.0	172.2

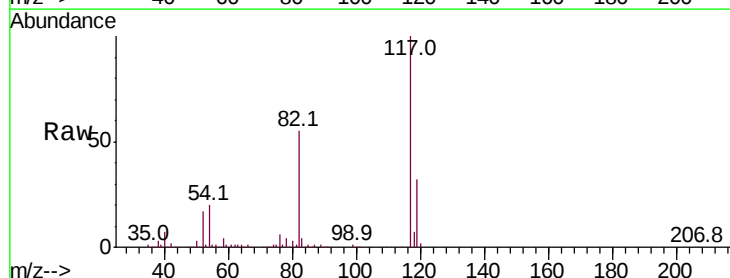


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

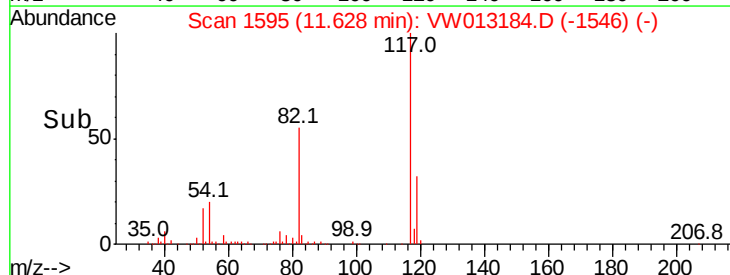
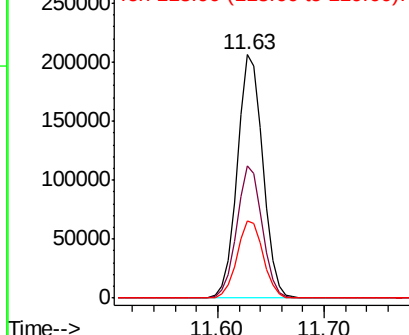


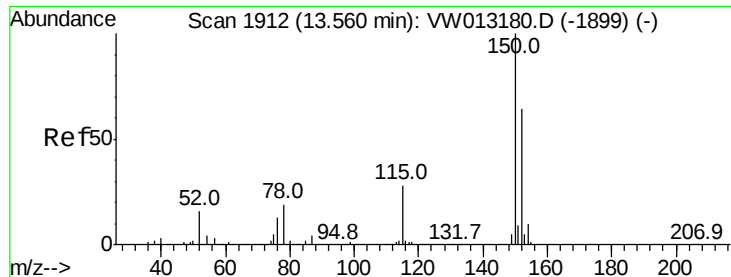
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013184.D
Acq: 20 Sep 2019 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.9	68.9
119	31.9	26.2	39.2



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: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

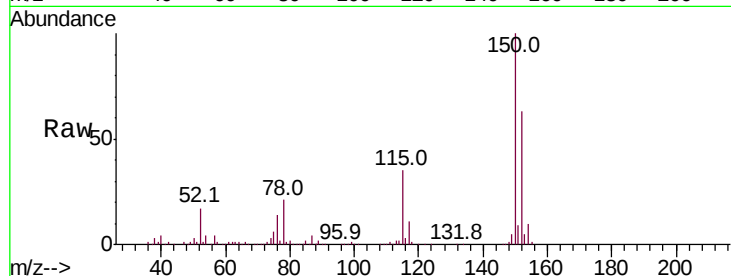
Tot Ion:152 Resp: 160018

Ion Ratio Lower Upper

152 100

115 55.4 27.3 81.9

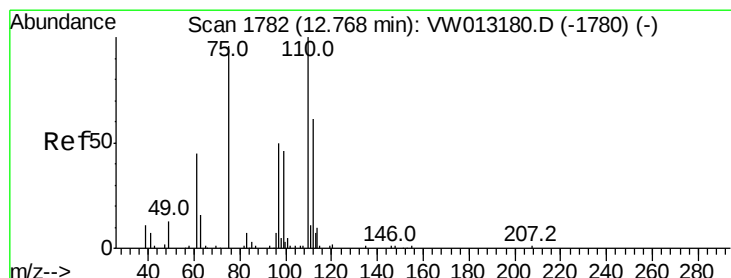
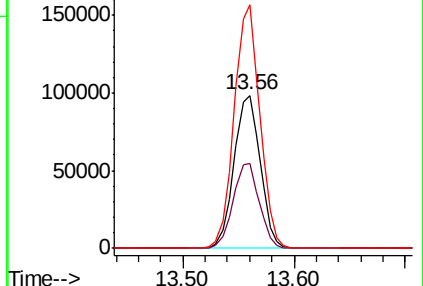
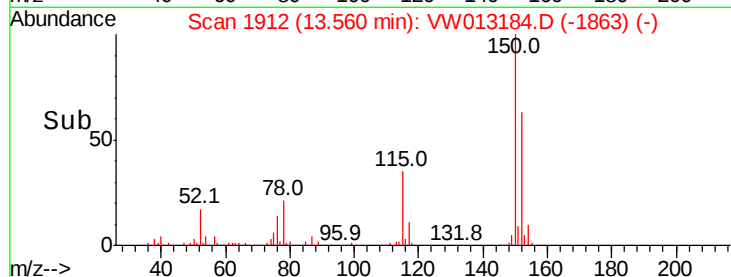
150 156.3 0.0 349.0



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: 52.592 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013184.D

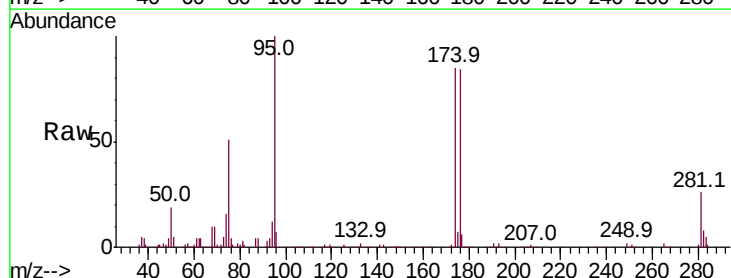
Acq: 20 Sep 2019 16:06

Tgt Ion: 75 Resp: 74322

Ion Ratio Lower Upper

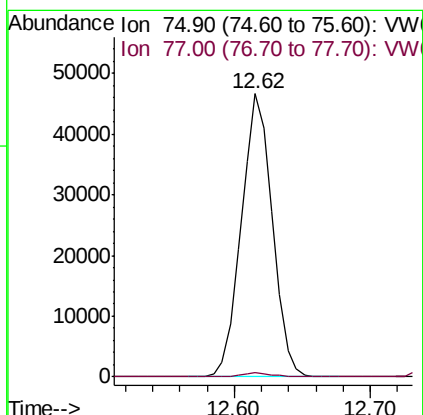
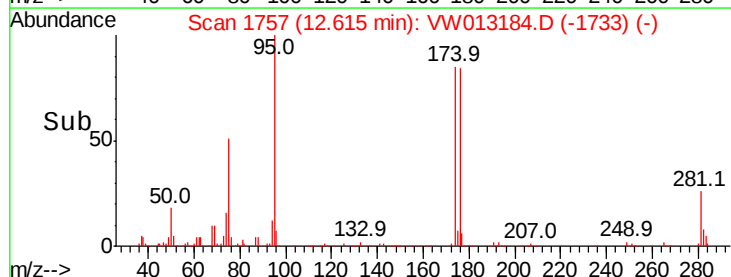
75 100

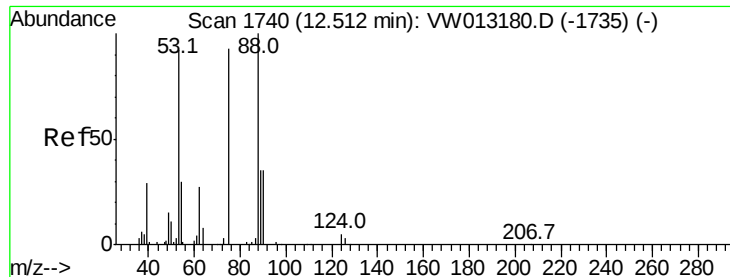
77 1.3 0.0 0.0#



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: 118.013 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

Instrument :

MSVOA_W

ClientSampleId :

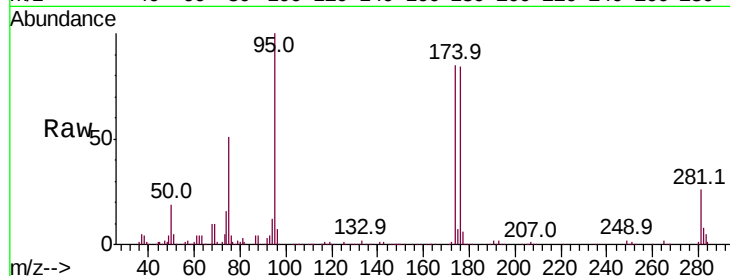
Tot Ion: 75 Resp: 74322

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

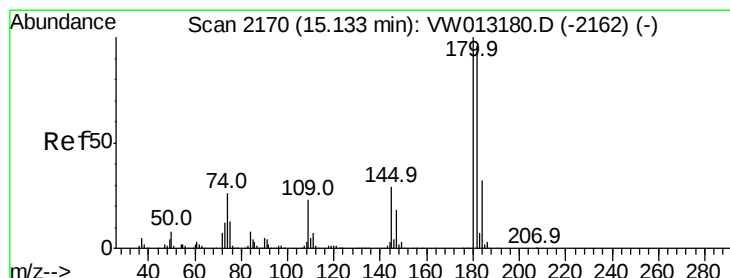
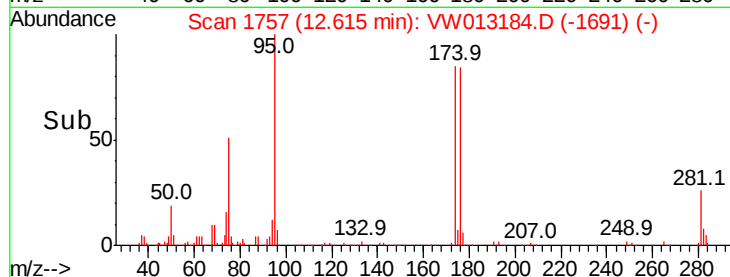
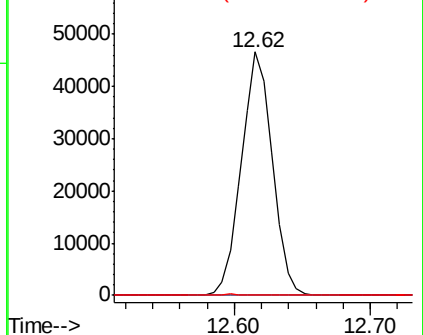
89 0.1 33.5 50.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.075 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW013184.D

Acq: 20 Sep 2019 16:06

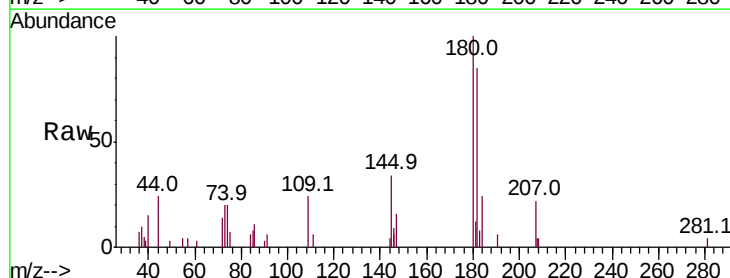
Tgt Ion:180 Resp: 3594

Ion Ratio Lower Upper

180 100

182 101.2 47.3 142.0

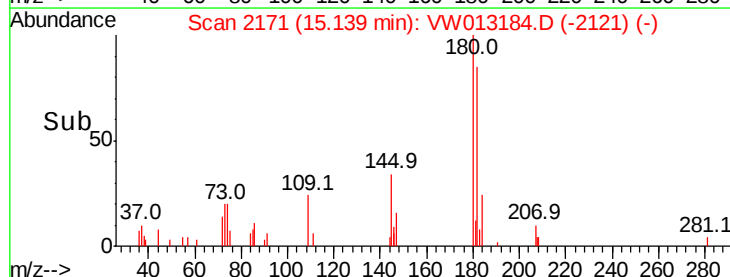
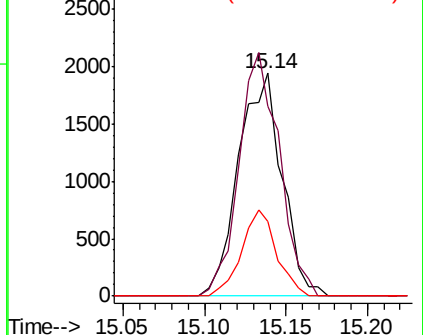
145 31.2 14.2 42.8

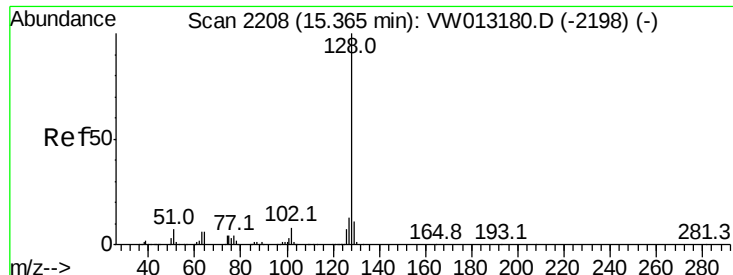


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

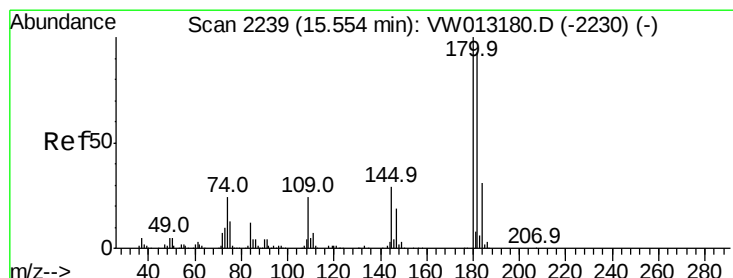
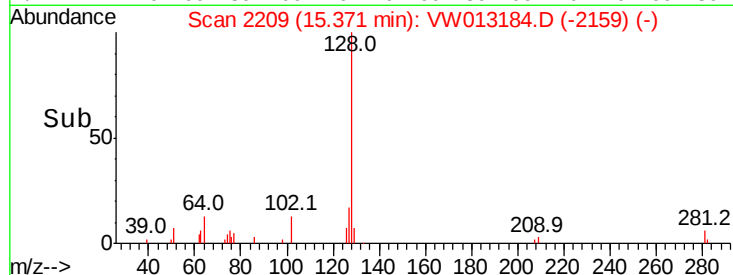
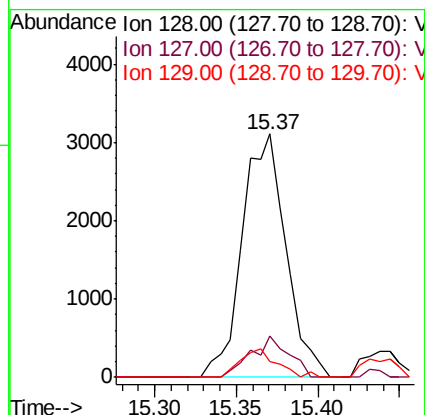
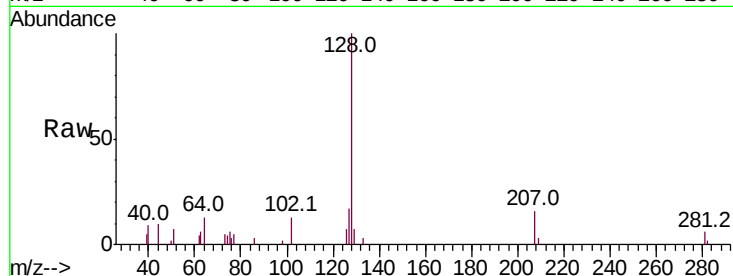




#95
Naphthalene
Concen: 1.058 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013184.D
Acq: 20 Sep 2019 16:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 5785
Ion Ratio Lower Upper
128 100
127 14.6 10.6 15.8
129 9.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.206 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013184.D
Acq: 20 Sep 2019 16:06

Tgt Ion:180 Resp: 3482
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.7
145 33.7 15.0 45.0

