

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013342.D
 Acq On : 30 Sep 2019 19:10
 Operator : SY/VA
 Sample : K5093-03
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-(9.5-10.0)

Quant Time: Oct 01 05:38:49 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	7.95	168	325591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189308	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137152	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	7.88	113	139236	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
50) Toluene-d8	10.32	98	563011	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.62	95	183171	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	

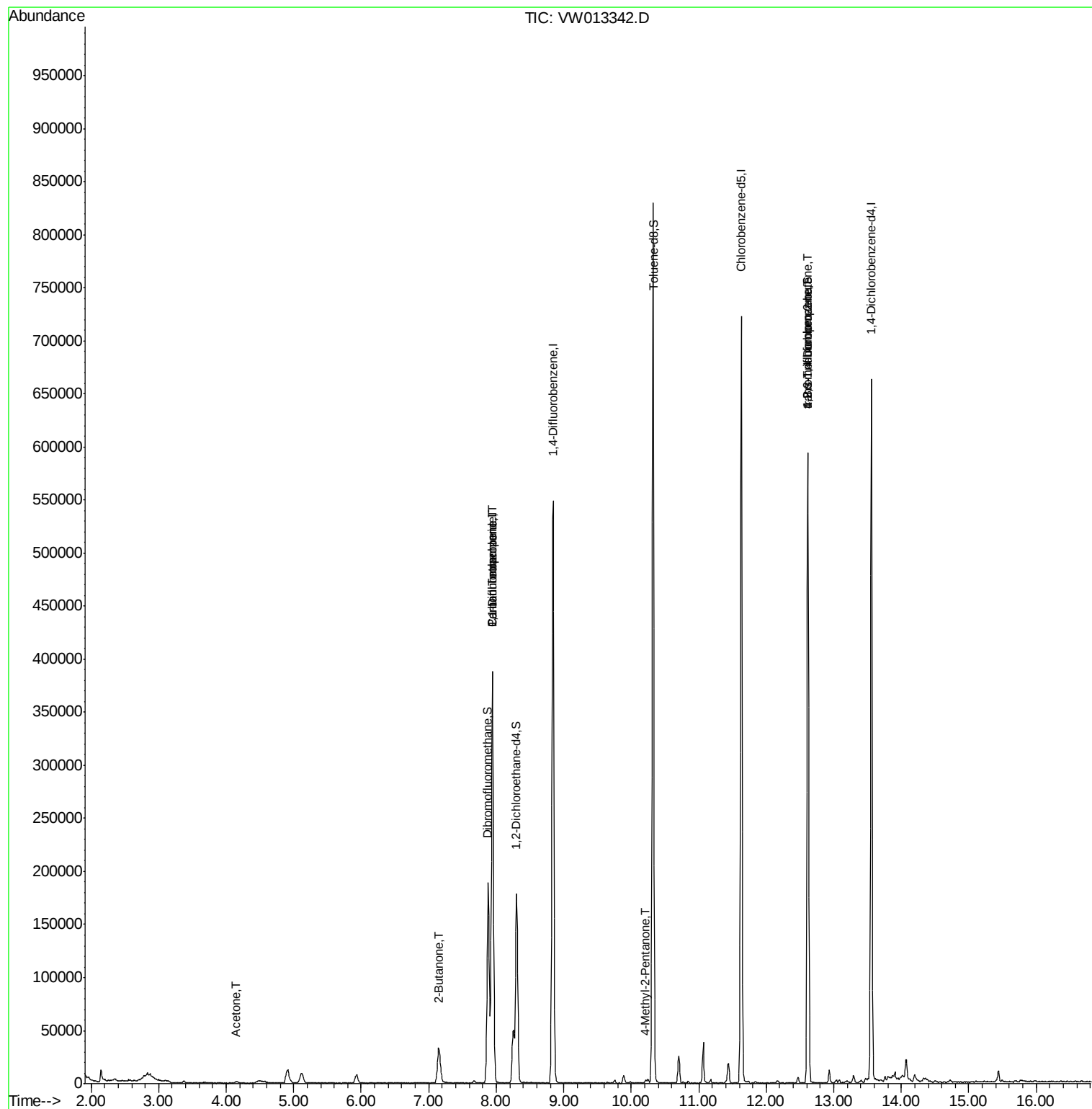
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	467	Below Cal	#	73
16) Acetone	4.15	43	3583	5.979	ug/l	93
25) 2-Butanone	7.15	43	2344	2.606	ug/l #	70
26) 2,2-Dichloropropane	7.15	77	2489	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	20810	4.373	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27130	6.360	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	1952	1.005	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	85363	51.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85363	114.573	ug/l #	12

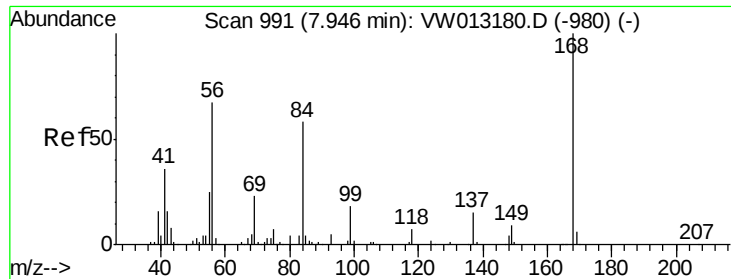
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
Data File : VW013342.D
Acq On : 30 Sep 2019 19:10
Operator : SY/VA
Sample : K5093-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-02-(9.5-10.0)

Quant Time: Oct 01 05:38:49 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: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

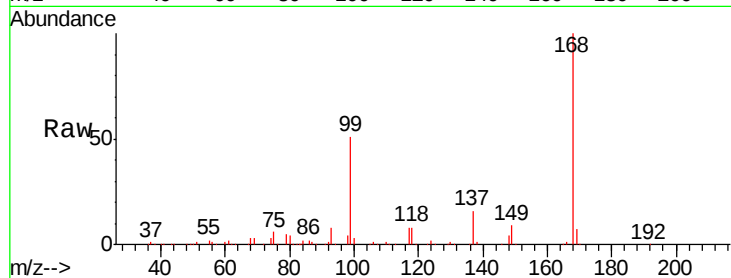
SB-02-(9.5-10.0)

Tgt Ion:168 Resp: 325591

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

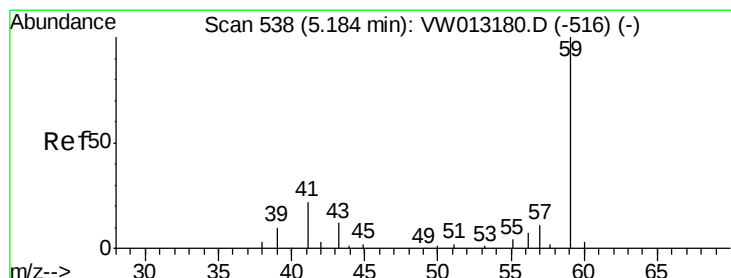
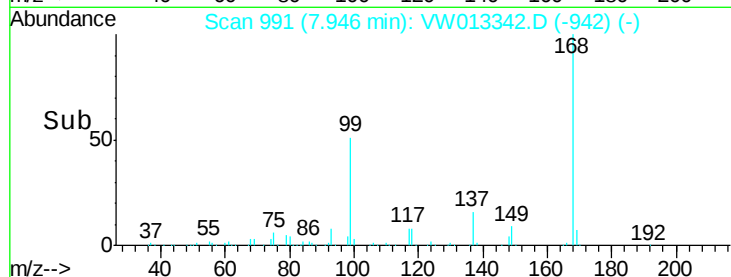
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 547

Delta R.T. 0.06 min

Lab File: VW013342.D

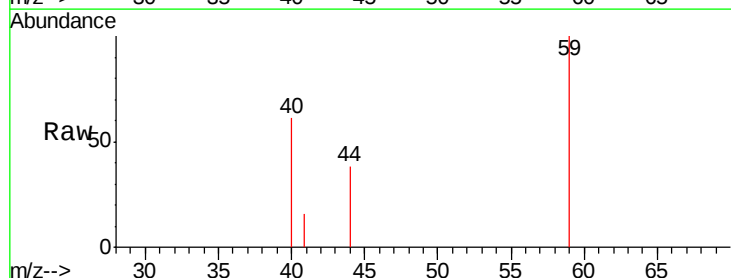
Acq: 30 Sep 2019 19:10

Tgt Ion: 59 Resp: 467

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

500

400

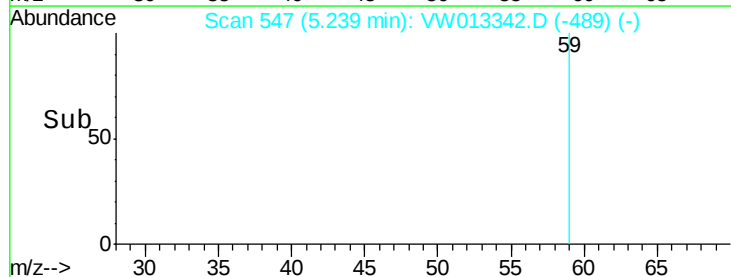
300

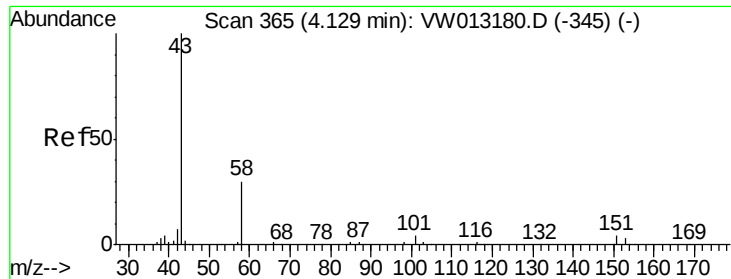
200

100

0

Time-->





#16

Acetone

Concen: 5.979 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

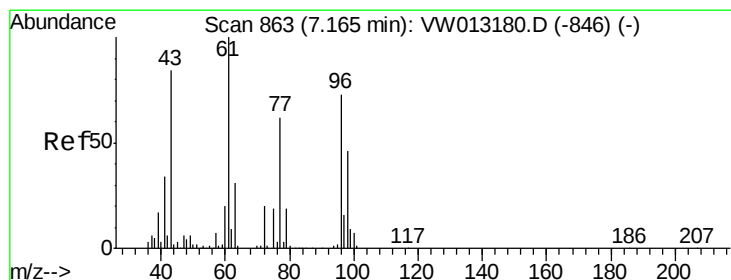
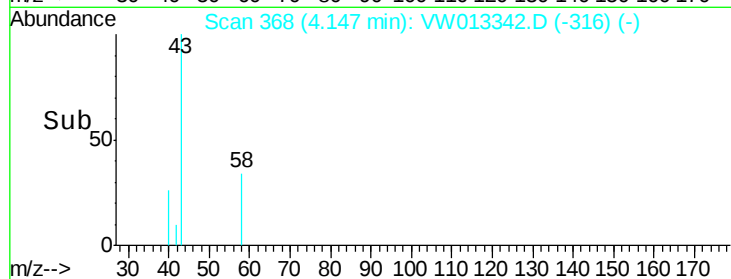
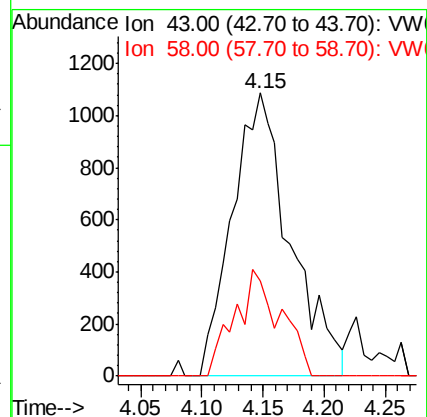
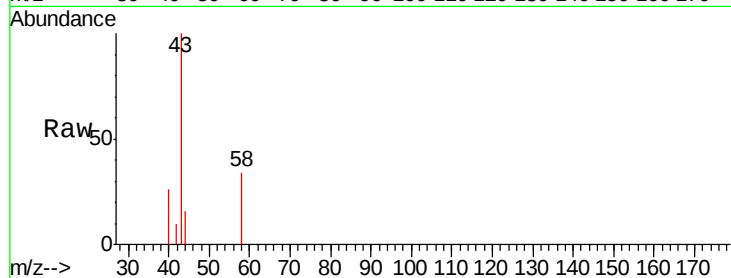
SB-02-(9.5-10.0)

Tgt Ion: 43 Resp: 3583

Ion Ratio Lower Upper

43 100

58 33.7 24.1 36.1



#25

2-Butanone

Concen: 2.606 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013342.D

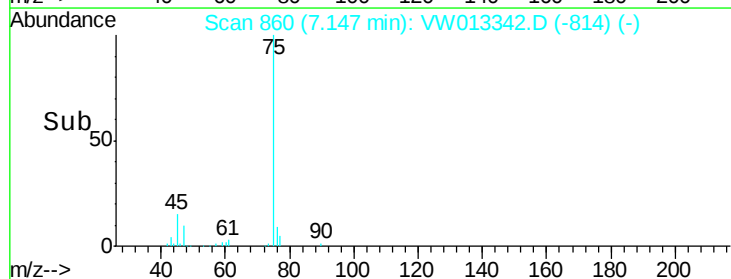
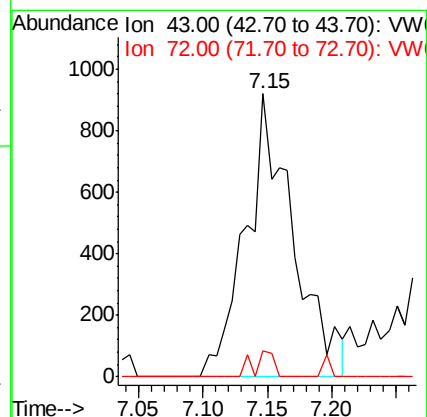
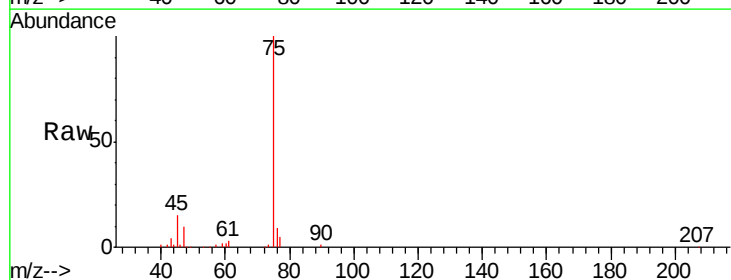
Acq: 30 Sep 2019 19:10

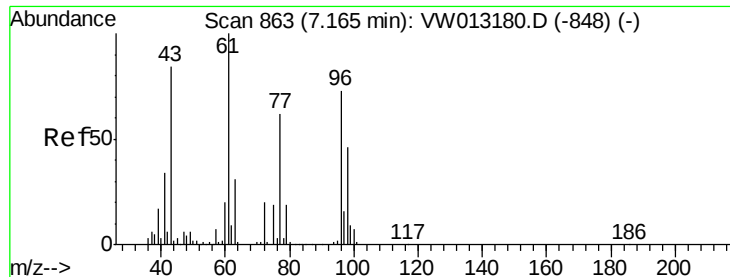
Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

43 100

72 9.1 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

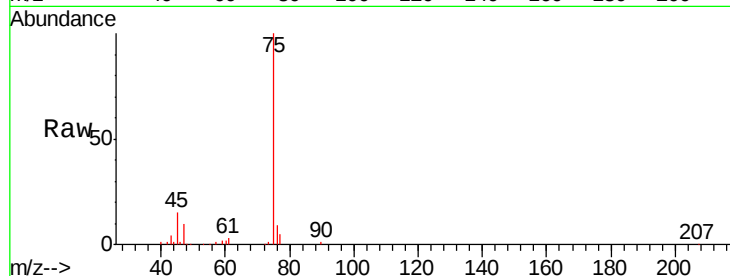
SB-02-(9.5-10.0)

Tgt Ion: 77 Resp: 2489

Ion Ratio Lower Upper

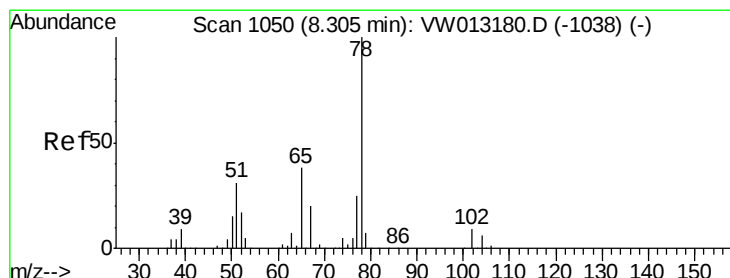
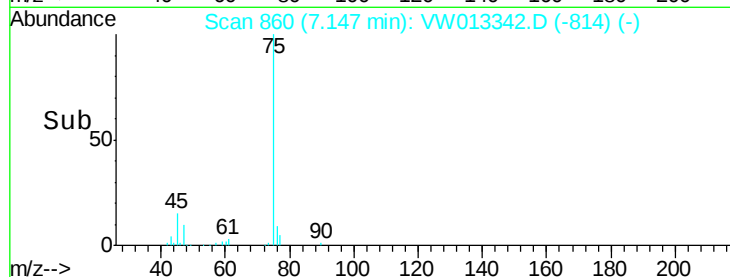
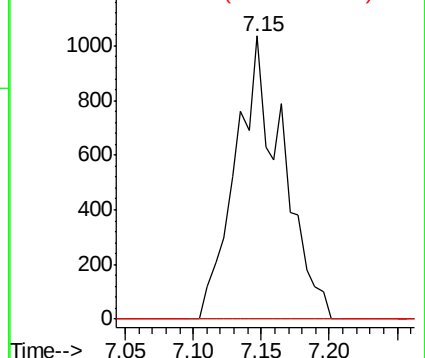
77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#33

1,2-Dichloroethane-d4

Concen: 51.613 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013342.D

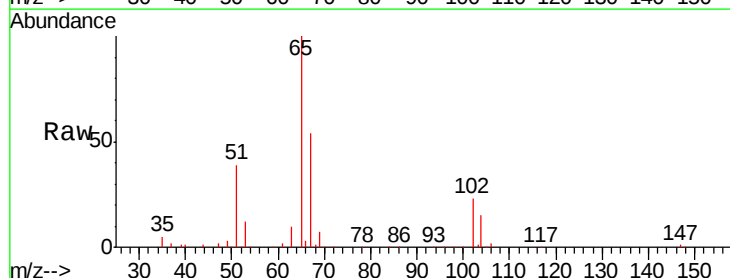
Acq: 30 Sep 2019 19:10

Tgt Ion: 65 Resp: 137152

Ion Ratio Lower Upper

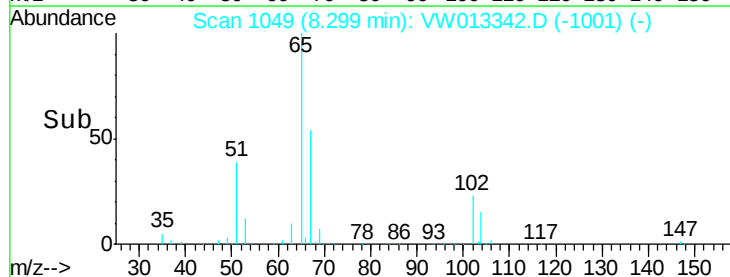
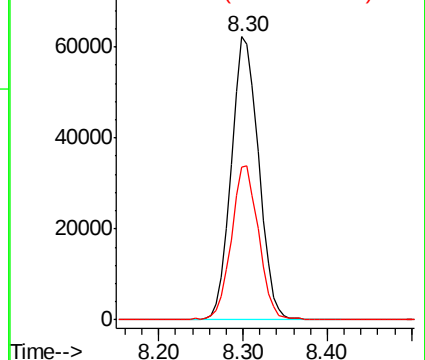
65 100

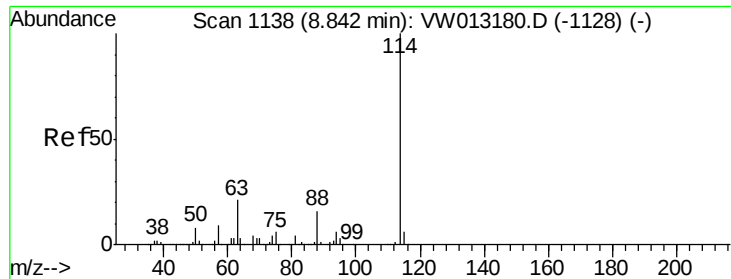
67 54.1 0.0 106.2



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: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

SB-02-(9.5-10.0)

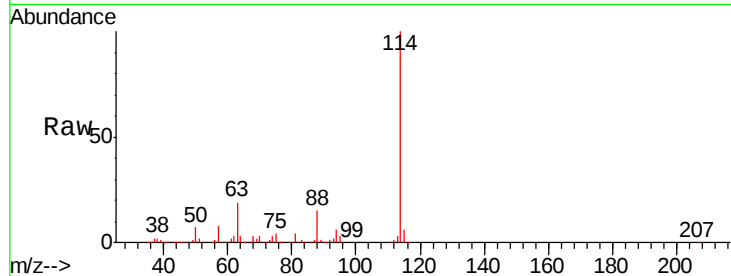
Tgt Ion:114 Resp: 491298

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

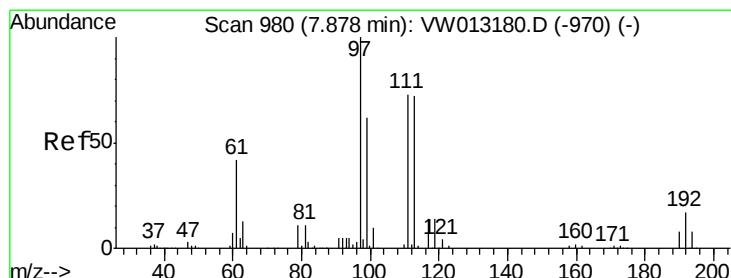
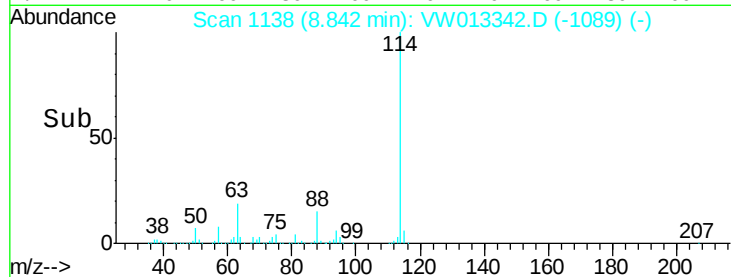
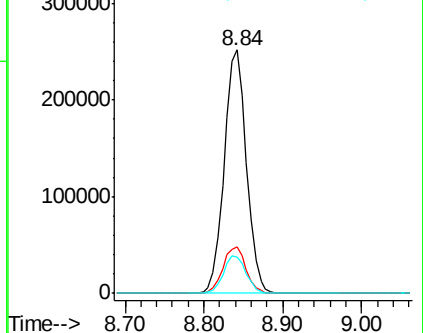
88 14.7 0.0 32.0



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: 51.528 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

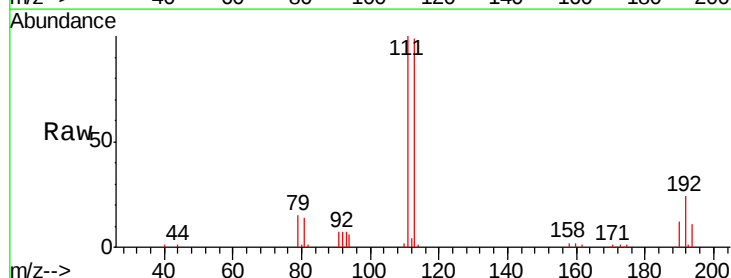
Tgt Ion:113 Resp: 139236

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

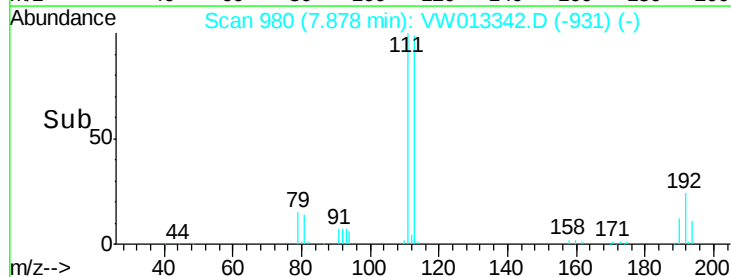
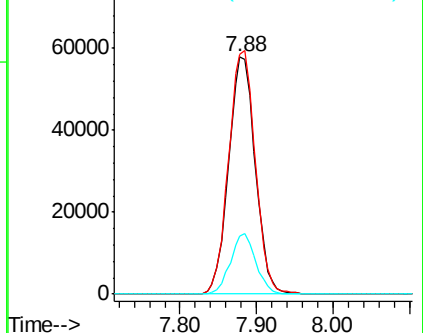
192 24.3 19.1 28.7

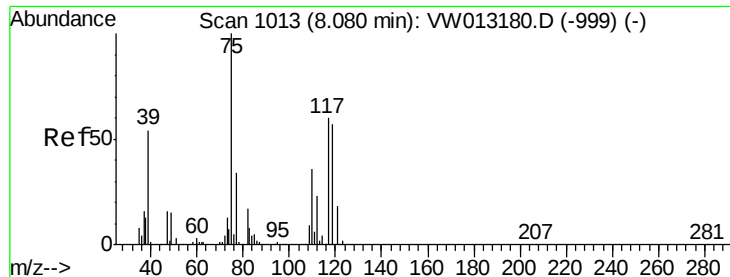


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

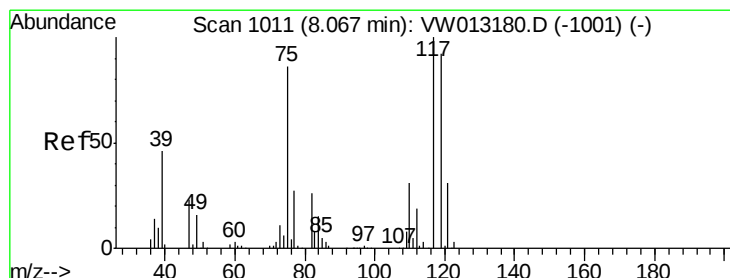
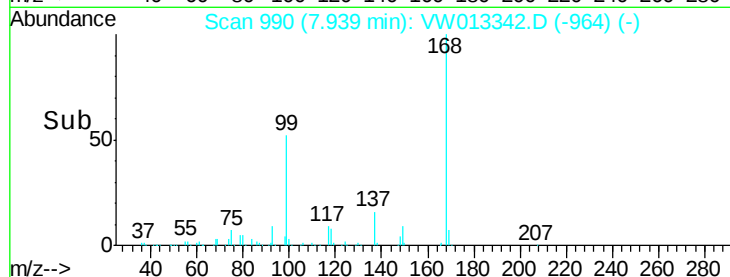
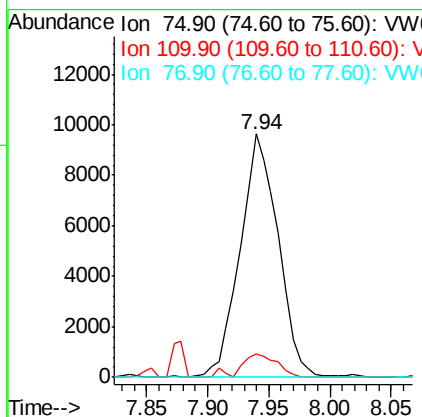
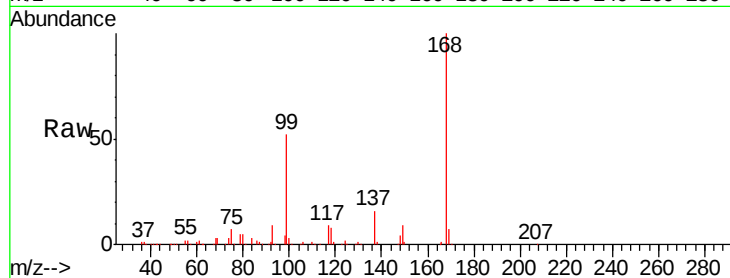




#36
 1,1-Dichloropropene
 Concen: 4.373 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013342.D
 Acq: 30 Sep 2019 19:10

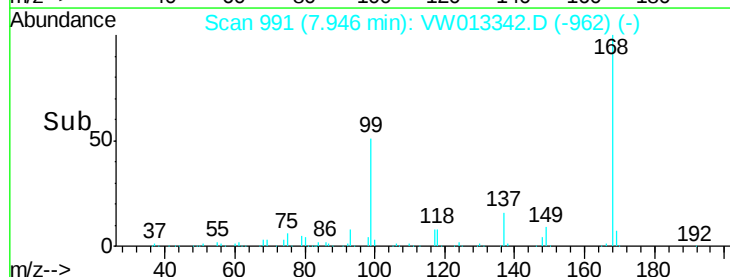
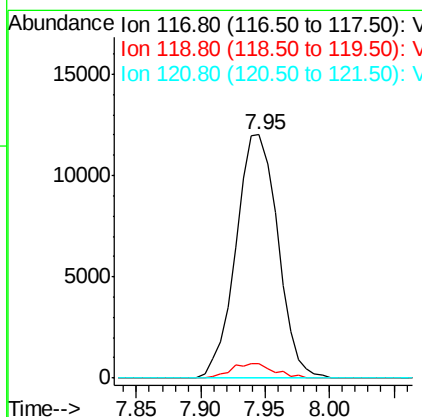
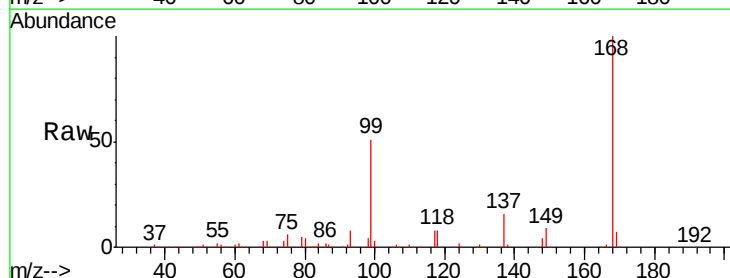
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-(9.5-10.0)

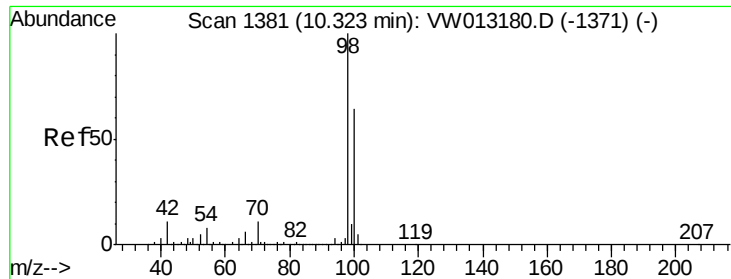
Tgt Ion: 75 Resp: 20810
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.360 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013342.D
 Acq: 30 Sep 2019 19:10

Tgt Ion: 117 Resp: 27130
 Ion Ratio Lower Upper
 117 100
 119 5.7 73.5 110.3#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 49.785 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

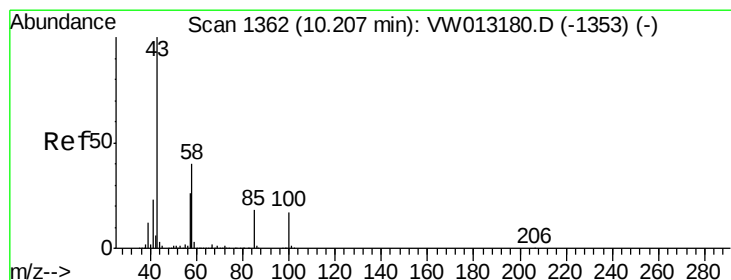
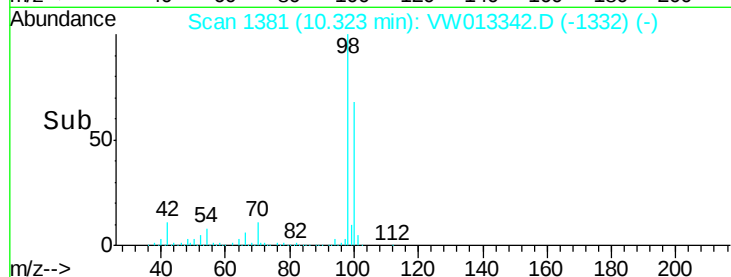
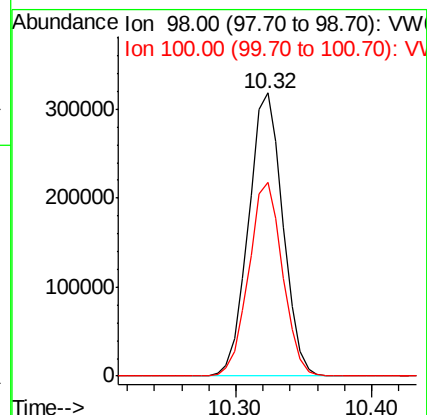
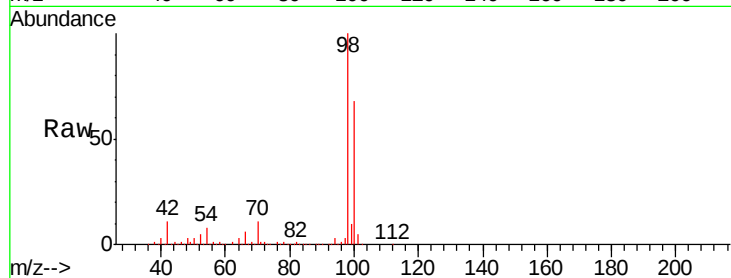
SB-02-(9.5-10.0)

Tgt Ion: 98 Resp: 563011

Ion Ratio Lower Upper

98 100

100 67.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.005 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW013342.D

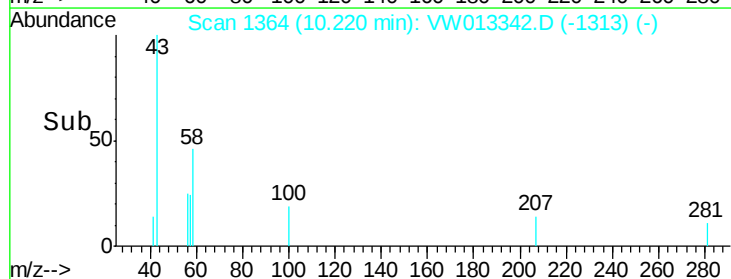
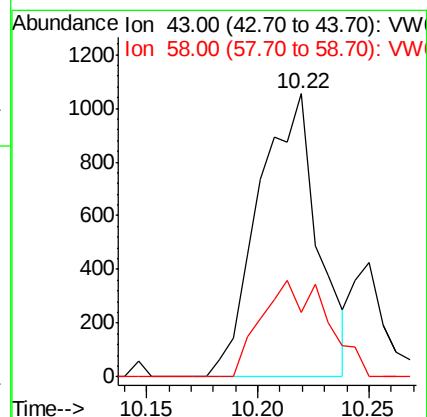
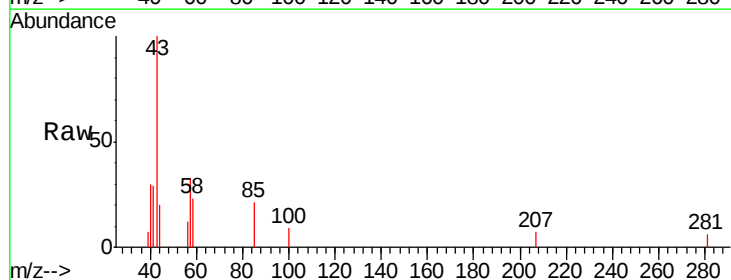
Acq: 30 Sep 2019 19:10

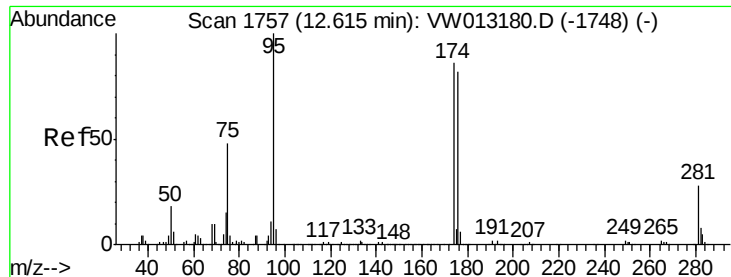
Tgt Ion: 43 Resp: 1952

Ion Ratio Lower Upper

43 100

58 38.0 31.7 47.5

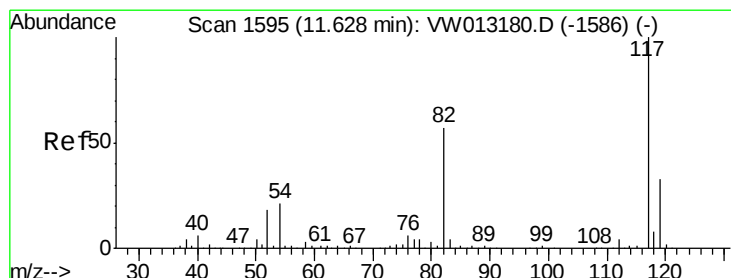
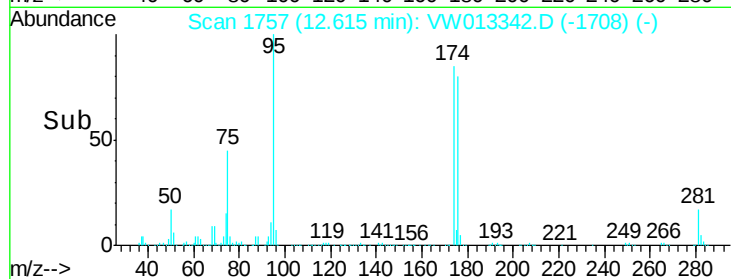
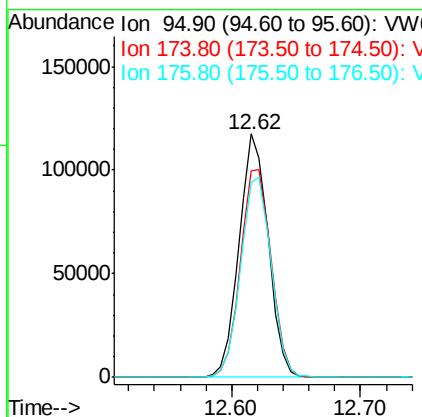
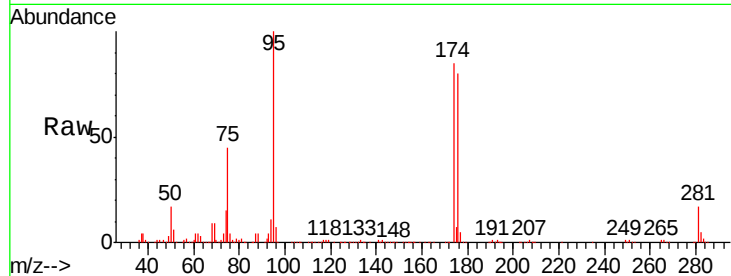




#62
4-Bromofluorobenzene
Concen: 47.417 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013342.D
Acq: 30 Sep 2019 19:10

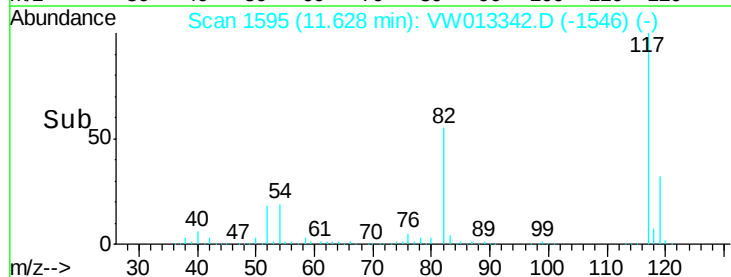
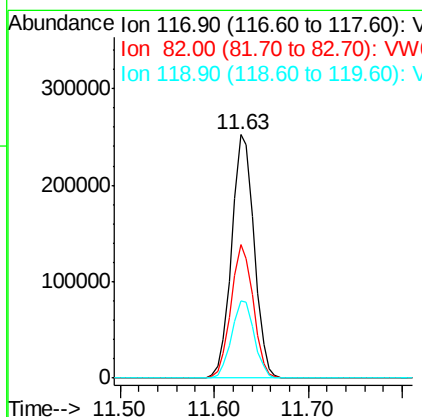
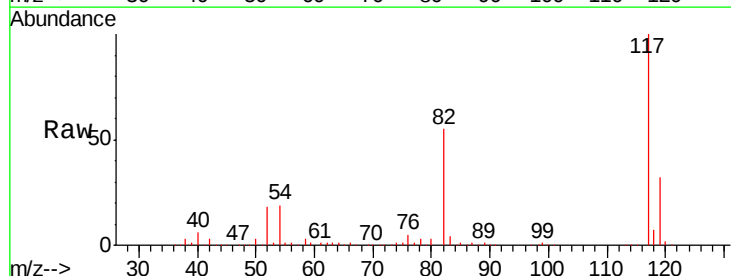
Instrument :
MSVOA_W
ClientSampleId :
SB-02-(9.5-10.0)

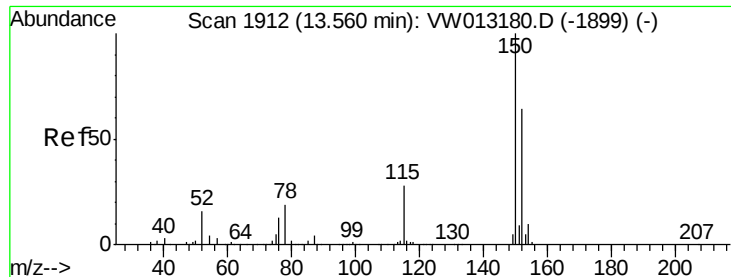
Tgt Ion: 95 Resp: 183171
Ion Ratio Lower Upper
95 100
174 90.1 0.0 178.4
176 86.3 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013342.D
Acq: 30 Sep 2019 19:10

Tgt Ion: 117 Resp: 418109
Ion Ratio Lower Upper
117 100
82 54.7 45.9 68.9
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

SB-02-(9.5-10.0)

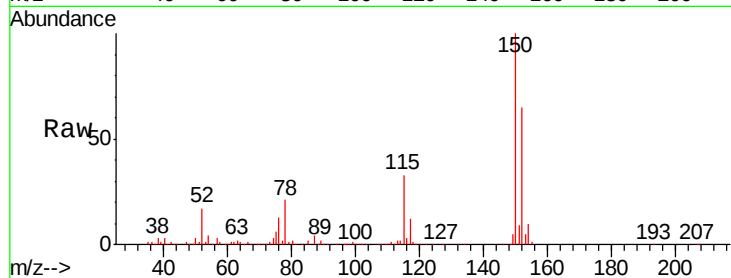
Tgt Ion:152 Resp: 189308

Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

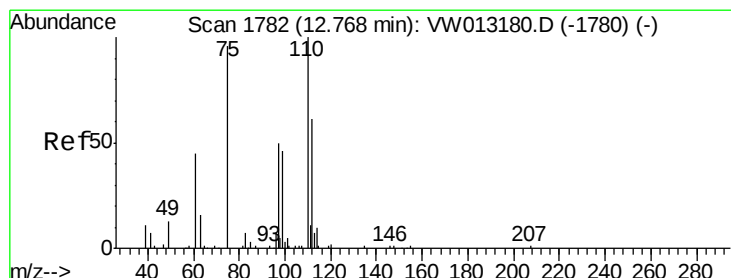
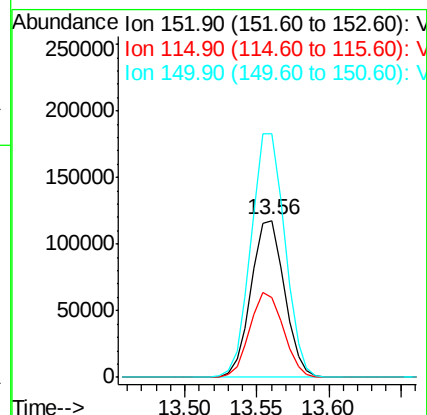
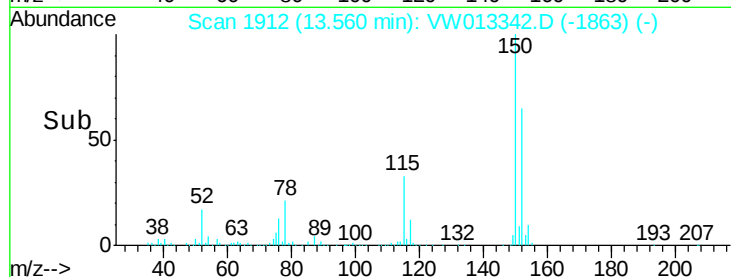
150 157.0 0.0 349.0



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: 51.059 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013342.D

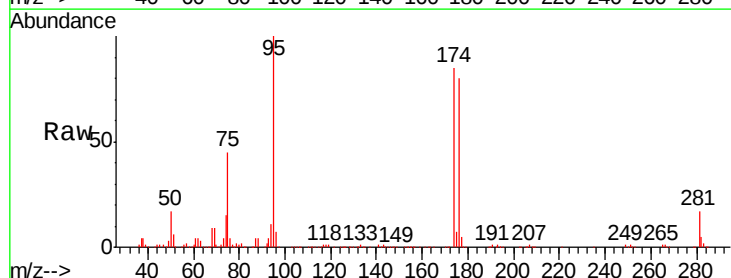
Acq: 30 Sep 2019 19:10

Tgt Ion: 75 Resp: 85363

Ion Ratio Lower Upper

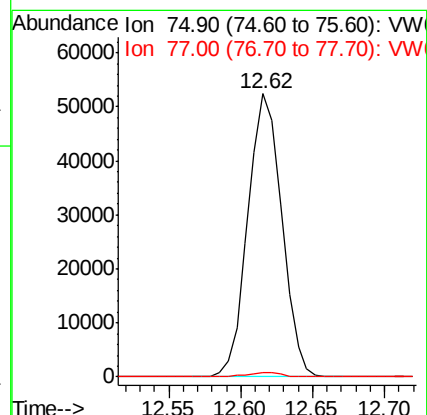
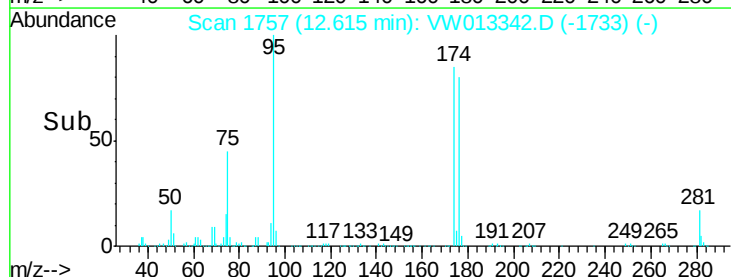
75 100

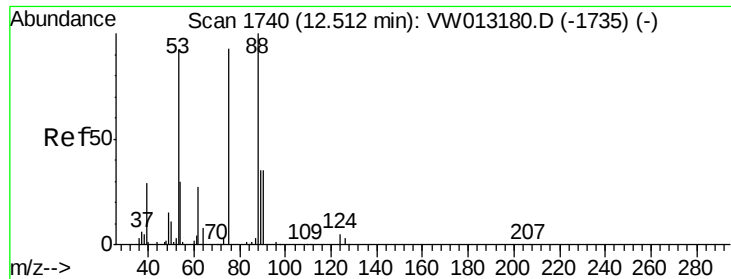
77 1.5 0.0 0.0#



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: 114.573 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013342.D

Acq: 30 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

SB-02-(9.5-10.0)

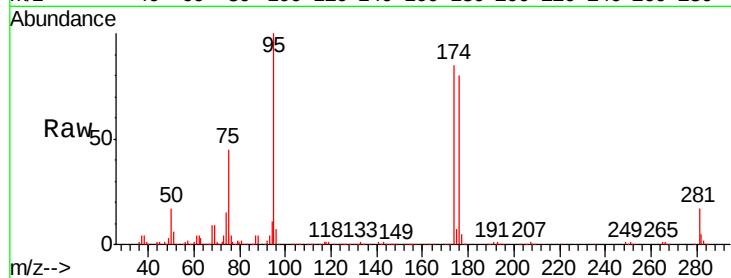
Tgt Ion: 75 Resp: 85363

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

