

Data File : VW010549.D
Acq On : 24 May 2019 14:37
Operator : SY/VA
Sample : K3036-02
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FEQC-DUP-052319

Quant Time: May 25 01:12:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	131830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89696	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70779	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.88	113	71209	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.32	98	286783	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	105396	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

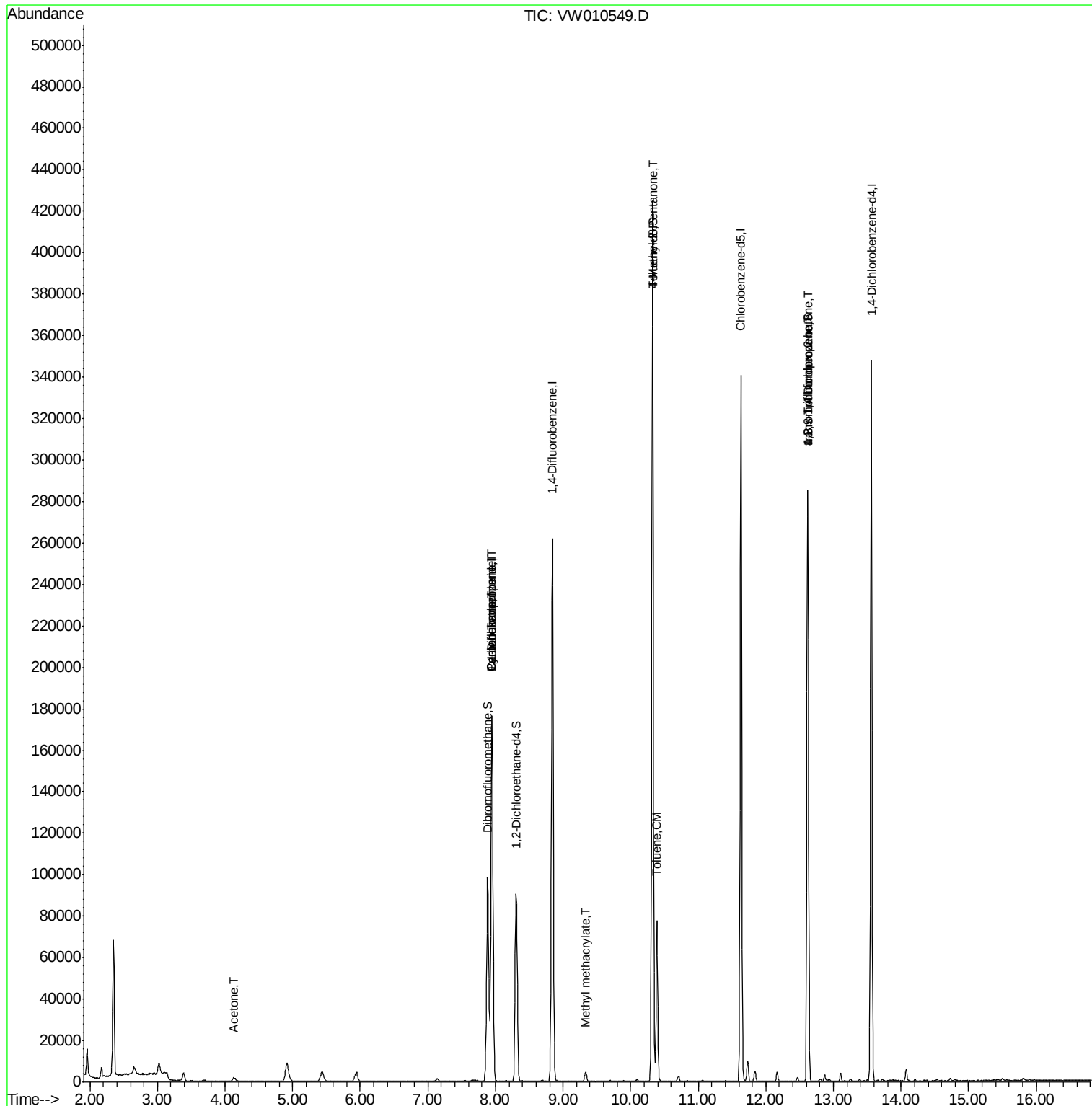
Target Compounds			Qvalue			
13) Acrolein	3.70	56	21	Below Cal	#	73
16) Acetone	4.14	43	3495	12.583	ug/l #	87
20) Methylene Chloride	4.92	84	7311	Below Cal		98
31) Cyclohexane	7.95	56	3637	1.408	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	10202	4.623	ug/l #	48
38) Carbon Tetrachloride	7.95	117	14017	5.888	ug/l #	16
48) Methyl methacrylate	9.32	41	908	1.059	ug/l #	64
51) 4-Methyl-2-Pentanone	10.32	43	1236	1.301	ug/l #	1
52) Toluene	10.39	92	34916	8.477	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	48950	53.763	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48950	112.206	ug/l #	14

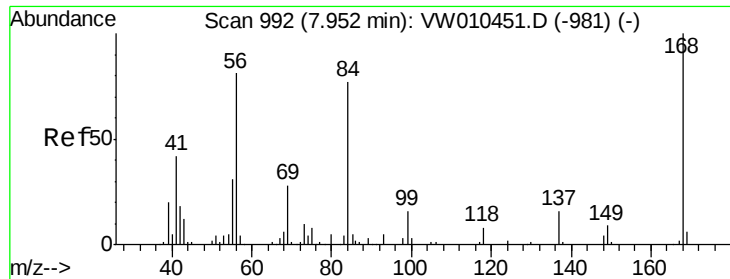
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

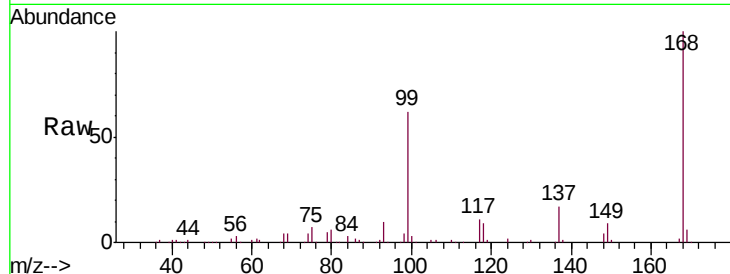
Instrument :
MSVOA_W
ClientSampleId :
FEQC-DUP-052319

Tgt Ion: 168 Resp: 131830

Ion Ratio Lower Upper

168 100

99 62.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

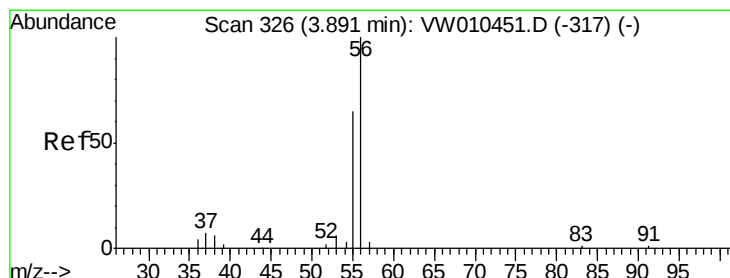
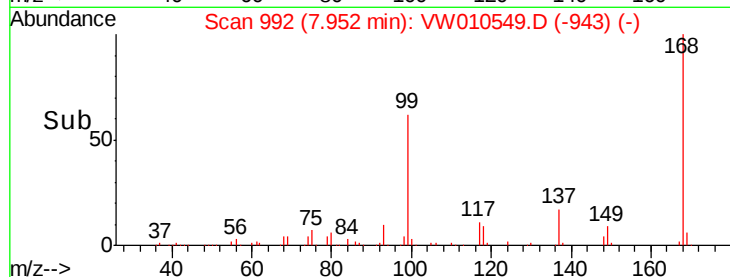
40000

20000

0

7.90 8.00 8.10

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.70 min Scan# 295

Delta R.T. -0.19 min

Lab File: VW010549.D

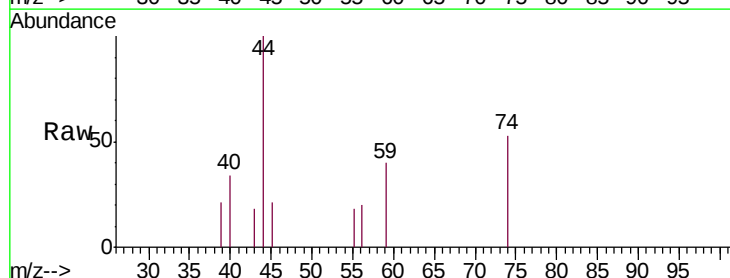
Acq: 24 May 2019 14:37

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 95.2 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.70

60

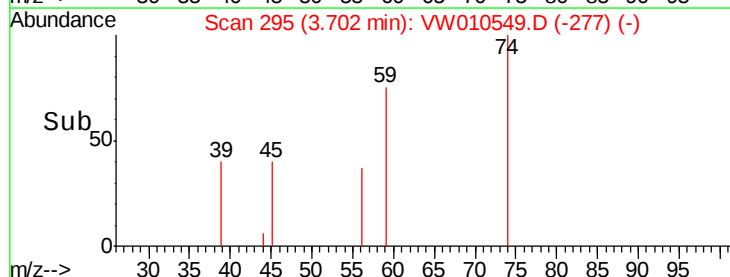
40

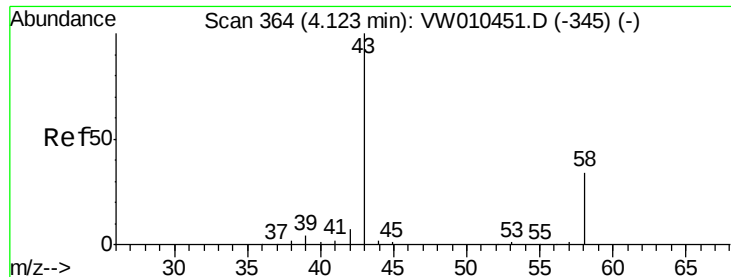
20

0

3.68 3.69 3.70 3.71 3.72

Time-->

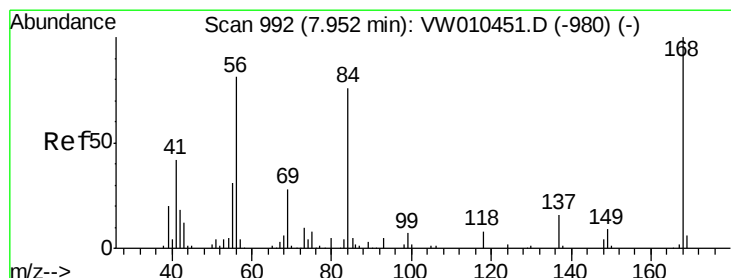
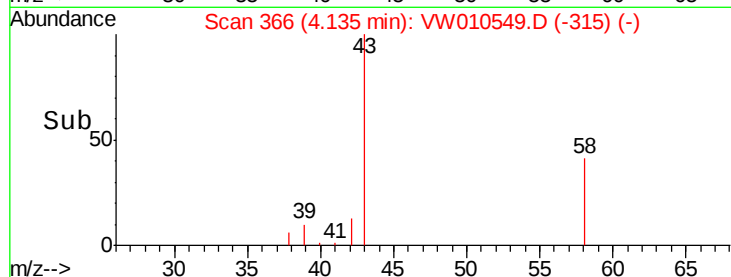
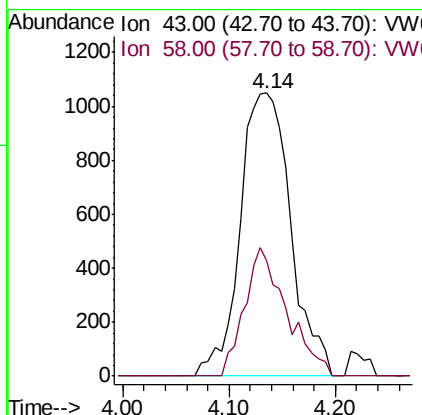
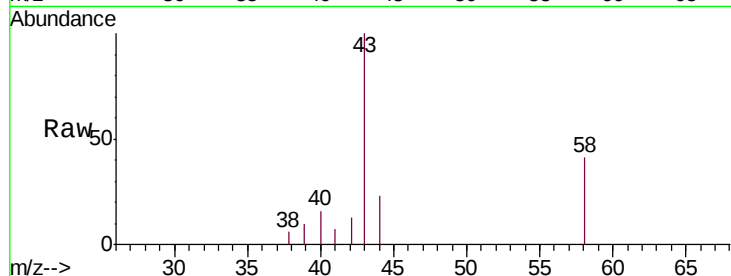




#16
Acetone
Concen: 12.583 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010549.D
Acq: 24 May 2019 14:37

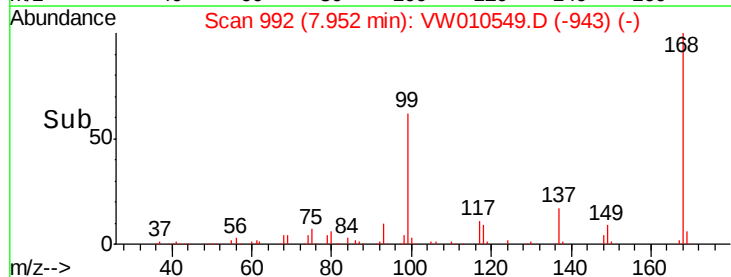
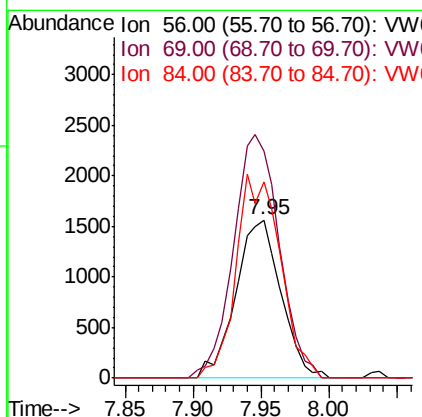
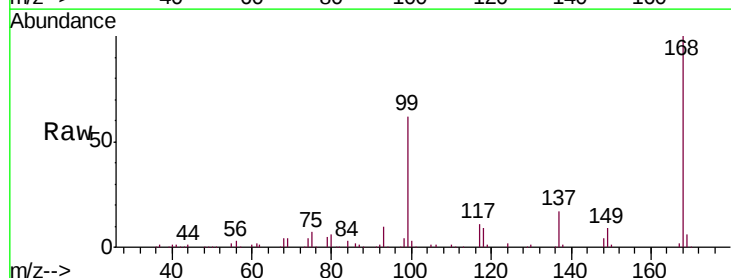
Instrument :
MSVOA_W
ClientSampleId :
FEQC-DUP-052319

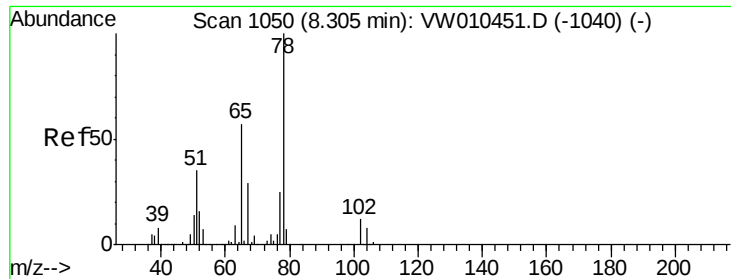
Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
58 41.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010549.D
Acq: 24 May 2019 14:37

Tgt Ion: 56 Resp: 3637
Ion Ratio Lower Upper
56 100
69 143.4 28.2 42.2#
84 123.9 75.8 113.8#

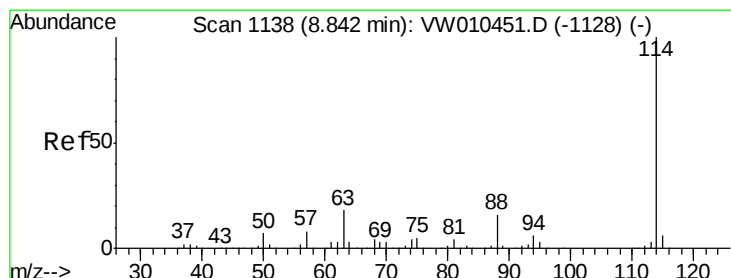
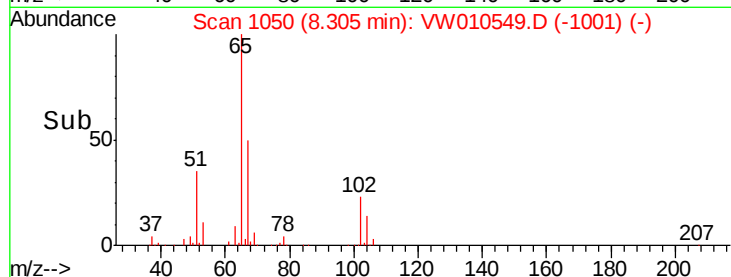
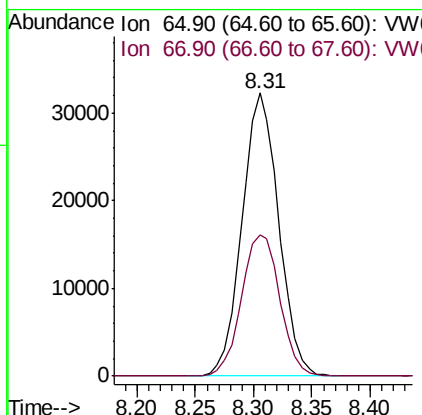
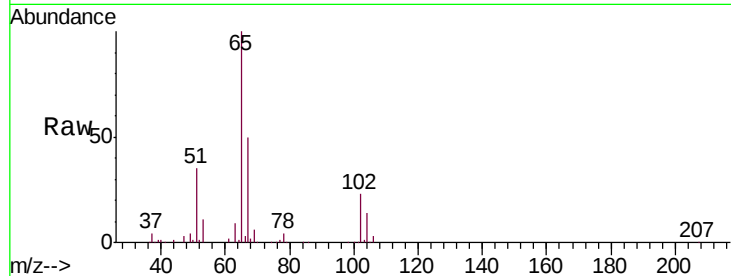




#33
 1,2-Dichloroethane-d4
 Concen: 52.016 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010549.D
 Acq: 24 May 2019 14:37

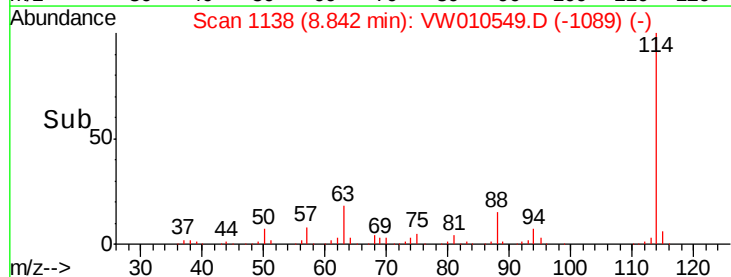
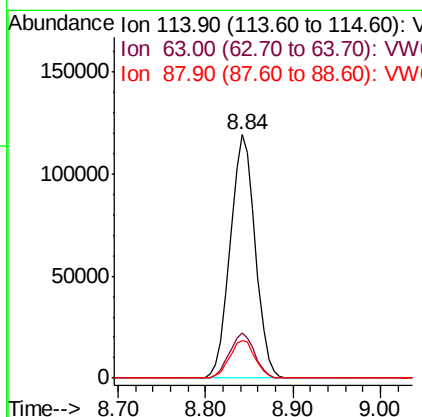
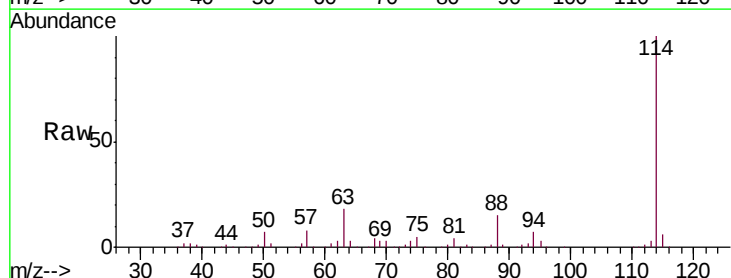
Instrument :
 MSVOA_W
 ClientSampleId :
 FEQC-DUP-052319

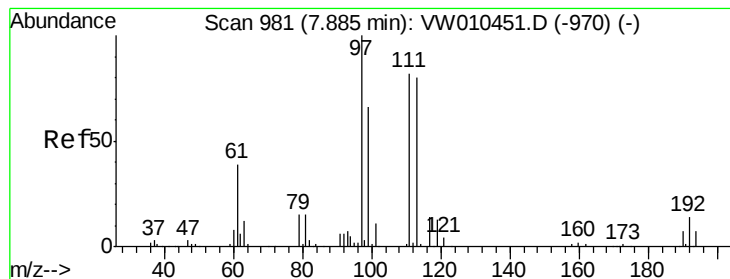
Tgt Ion: 65 Resp: 70779
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010549.D
 Acq: 24 May 2019 14:37

Tgt Ion: 114 Resp: 236884
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.541 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

Instrument :
MSVOA_W
ClientSampleId :
FEQC-DUP-052319

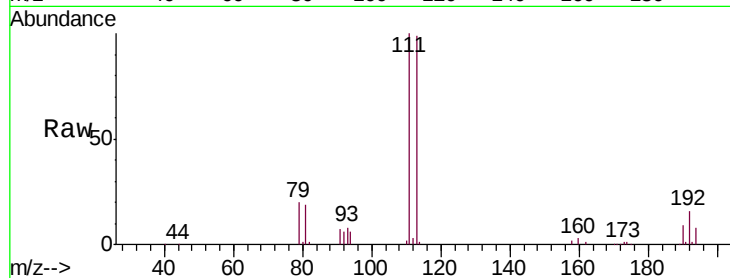
Tgt Ion: 113 Resp: 71209

Ion Ratio Lower Upper

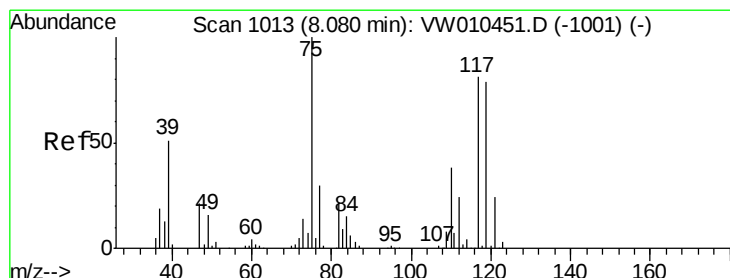
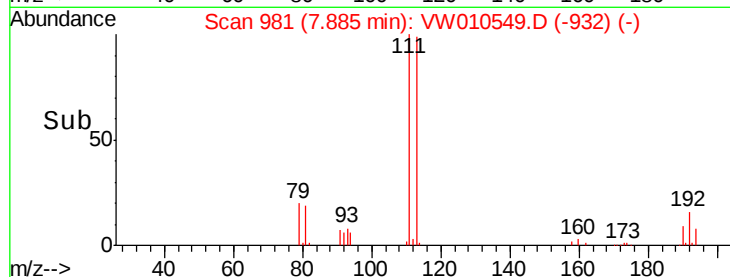
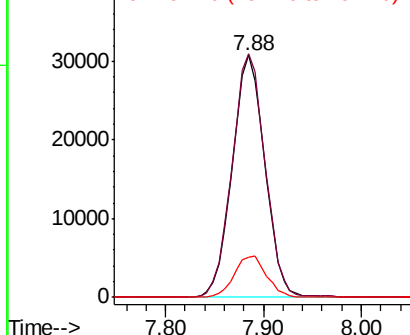
113 100

111 102.1 82.2 123.4

192 17.0 14.3 21.5



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: 4.623 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

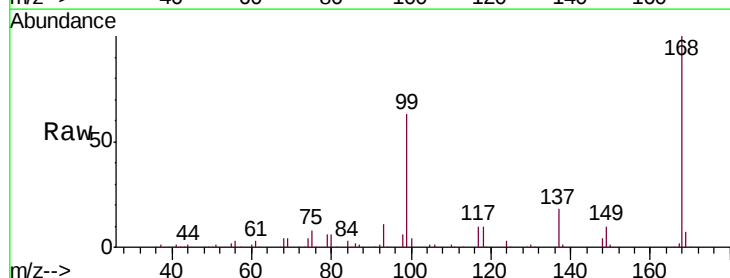
Tgt Ion: 75 Resp: 10202

Ion Ratio Lower Upper

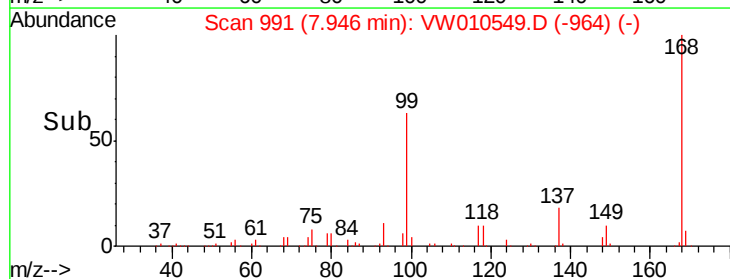
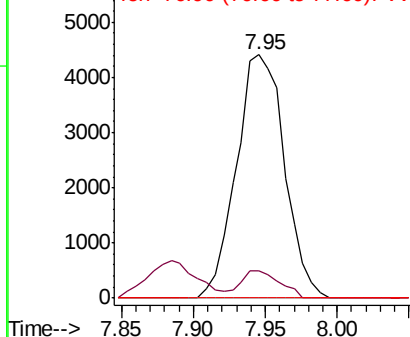
75 100

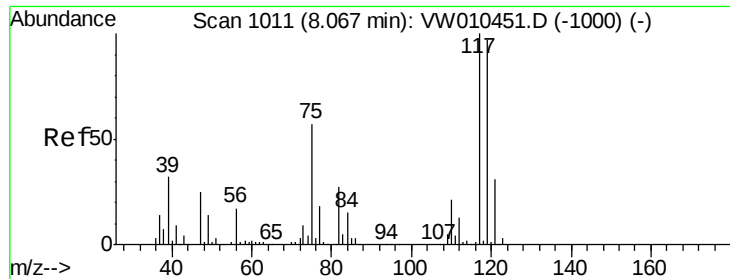
110 9.1 19.2 57.6#

77 0.0 25.2 37.8#



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: 5.888 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

FEQC-DUP-052319

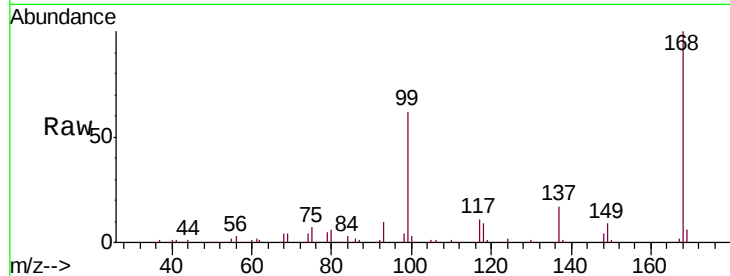
Tgt Ion:117 Resp: 14017

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

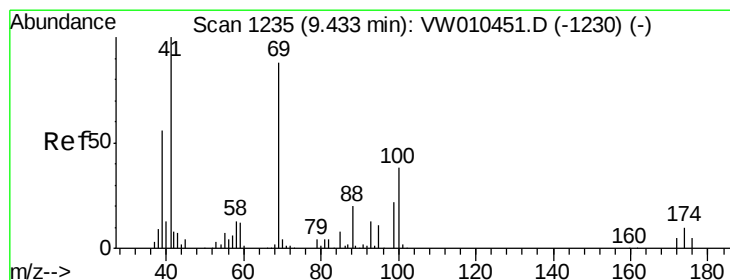
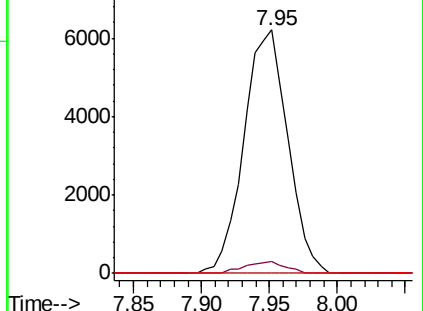
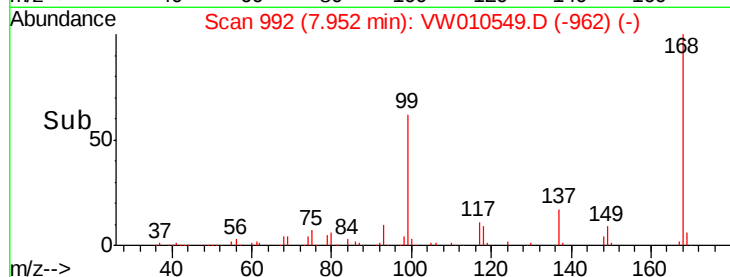
121 0.0 25.0 37.6#



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



#48

Methyl methacrylate

Concen: 1.059 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.11 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

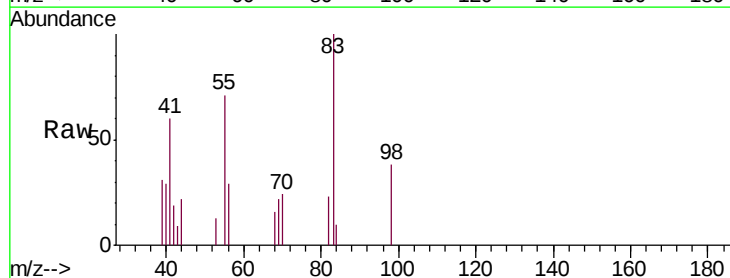
Tgt Ion: 41 Resp: 908

Ion Ratio Lower Upper

41 100

69 39.5 77.6 116.4#

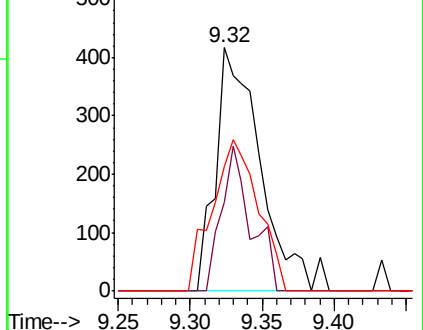
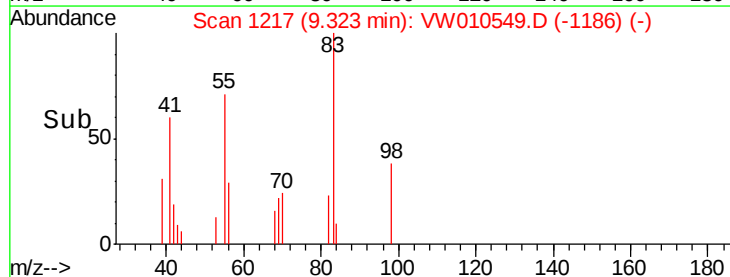
39 63.4 49.8 74.8

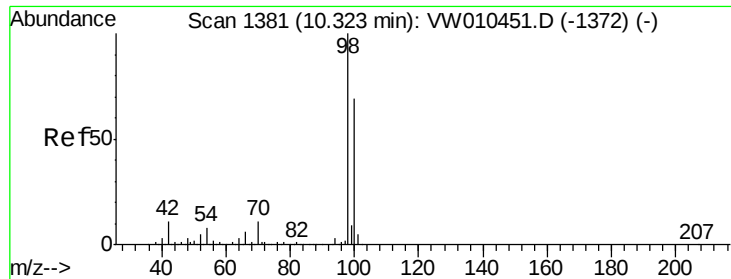


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 52.227 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

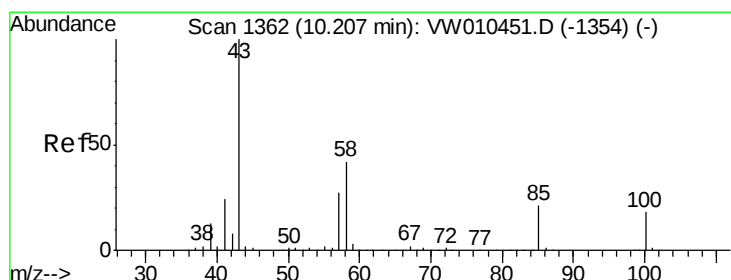
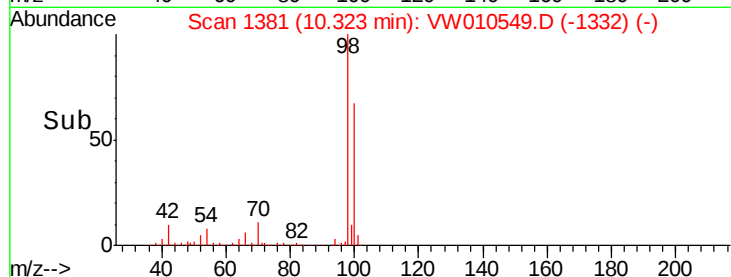
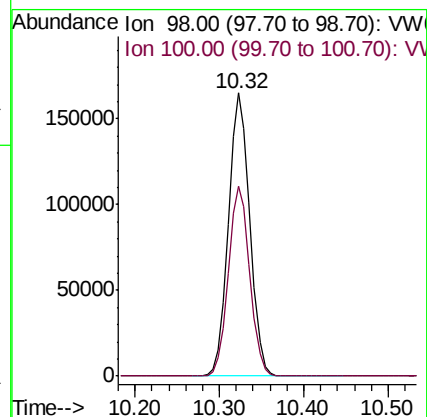
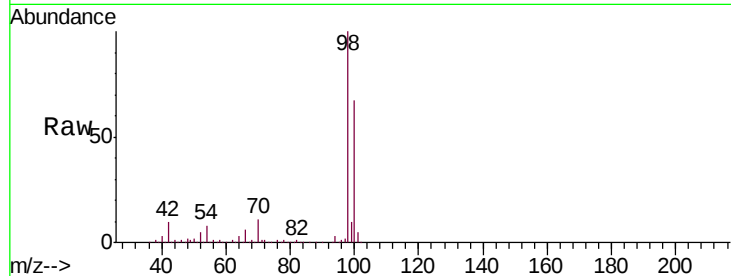
FEQC-DUP-052319

Tgt Ion: 98 Resp: 286783

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.301 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010549.D

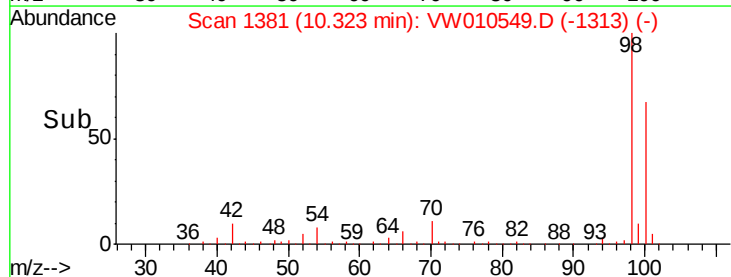
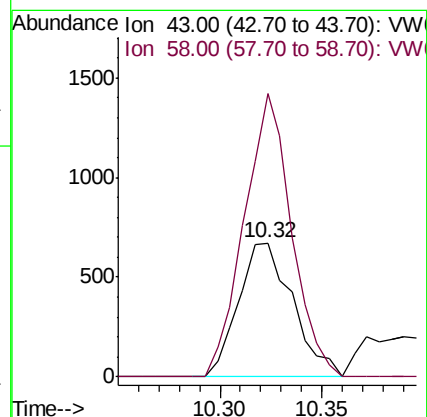
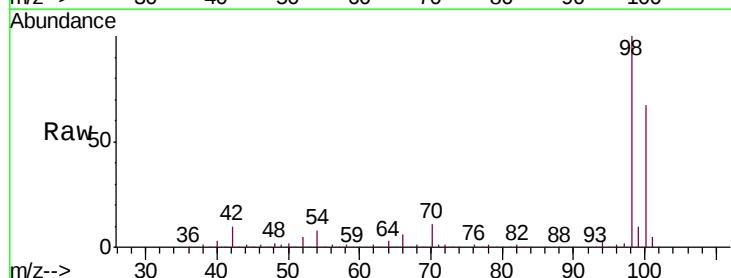
Acq: 24 May 2019 14:37

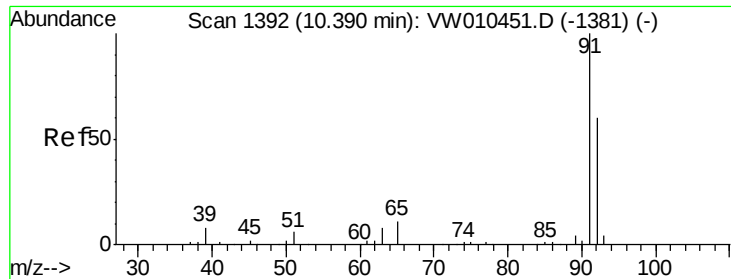
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 185.1 33.2 49.8#





#52

Toluene

Concen: 8.477 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_W

ClientSampleId :

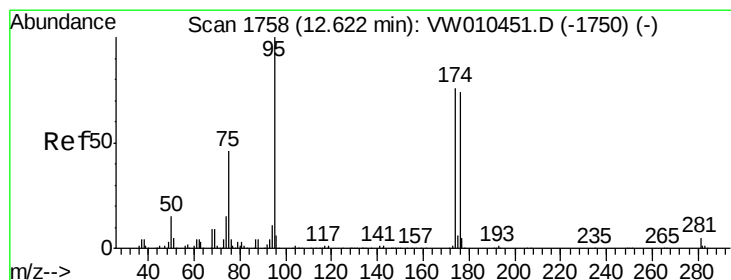
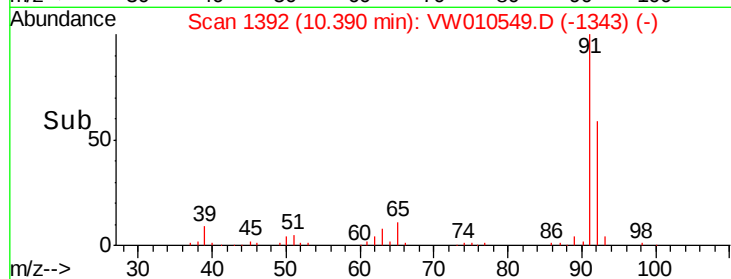
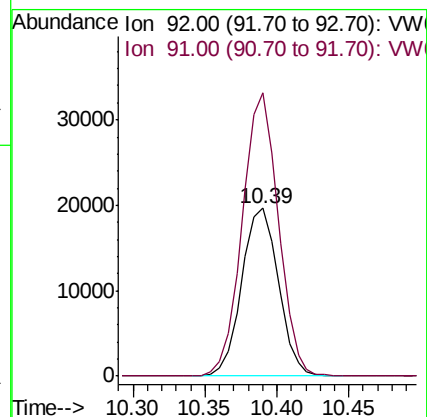
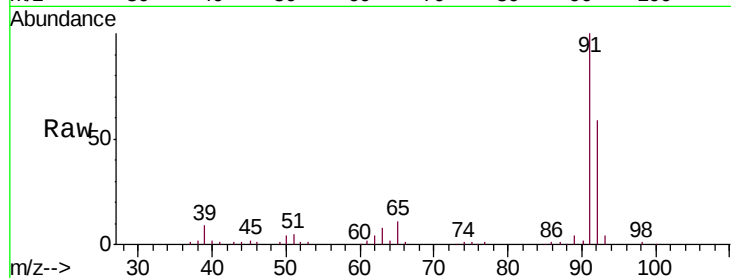
FEQC-DUP-052319

Tgt Ion: 92 Resp: 34916

Ion Ratio Lower Upper

92 100

91 165.2 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 48.188 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010549.D

Acq: 24 May 2019 14:37

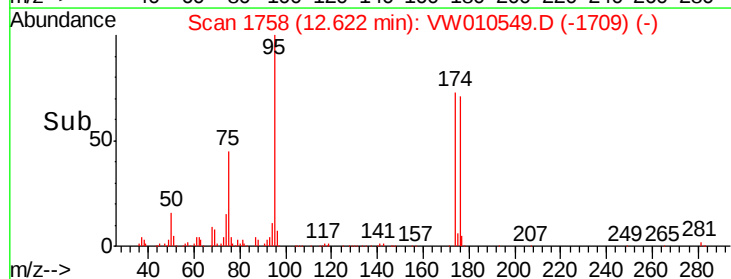
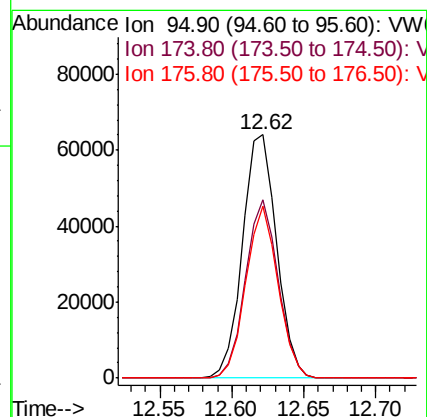
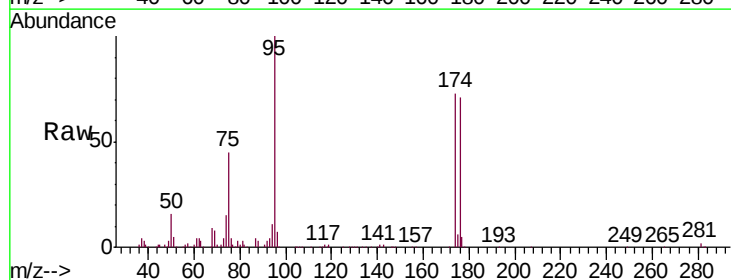
Tgt Ion: 95 Resp: 105396

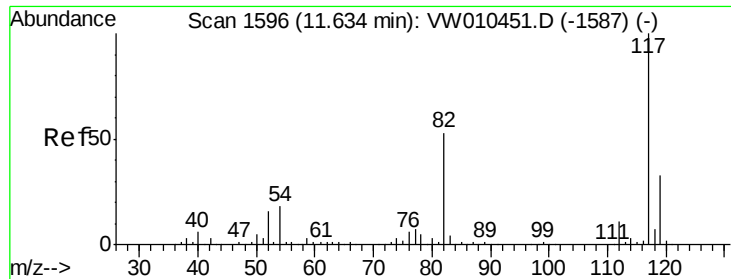
Ion Ratio Lower Upper

95 100

174 69.9 0.0 148.6

176 66.5 0.0 144.2

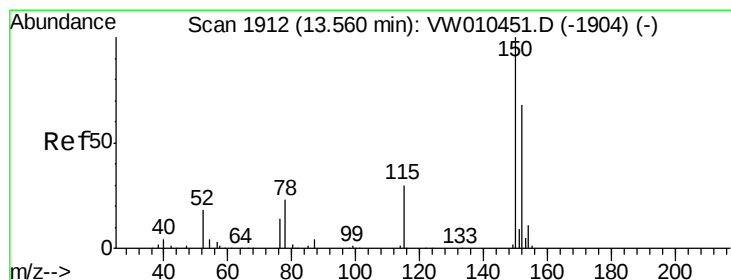
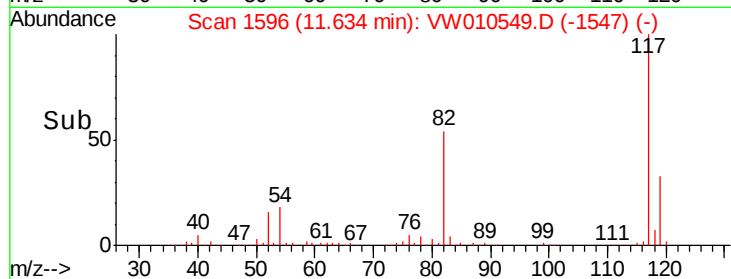
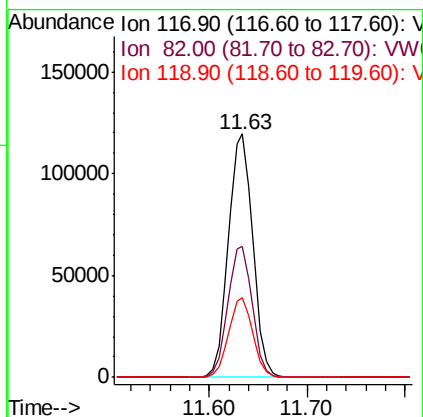
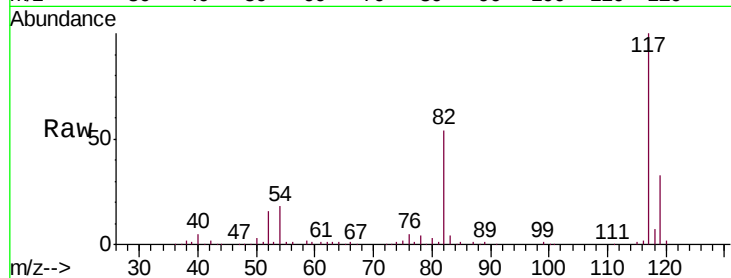




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010549.D
Acq: 24 May 2019 14:37

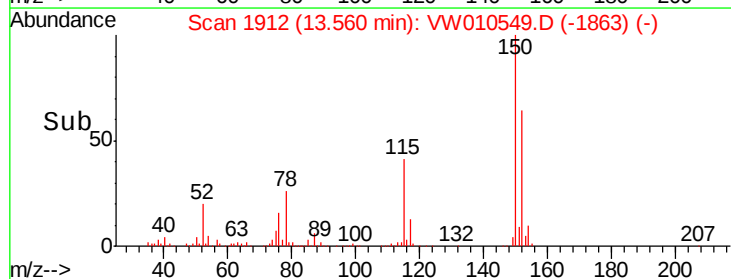
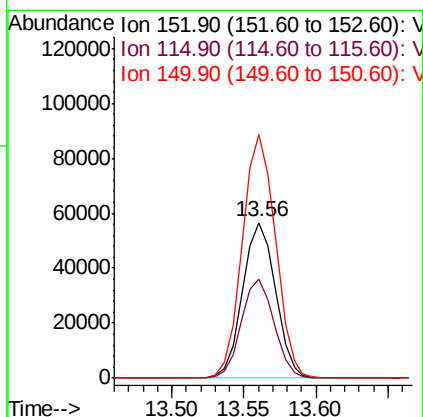
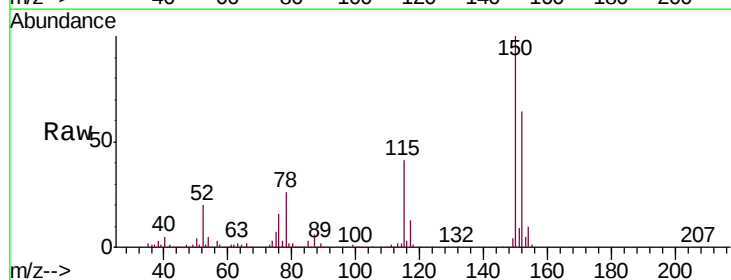
Instrument :
MSVOA_W
ClientSampleId :
FEQC-DUP-052319

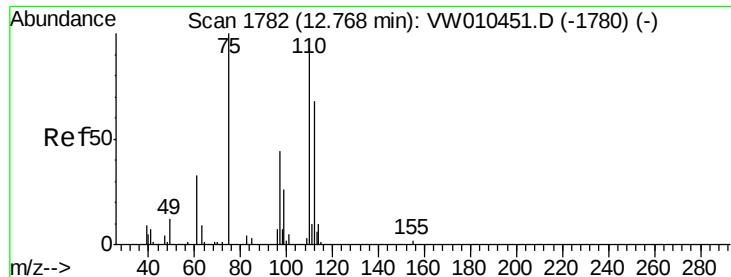
Tgt Ion:117 Resp: 206476
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010549.D
Acq: 24 May 2019 14:37

Tgt Ion:152 Resp: 89696
Ion Ratio Lower Upper
152 100
115 63.2 30.3 91.0
150 157.7 0.0 349.8

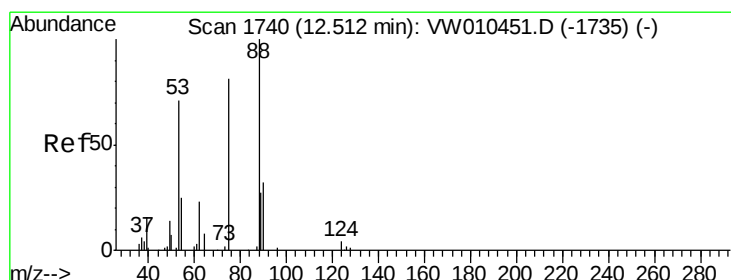
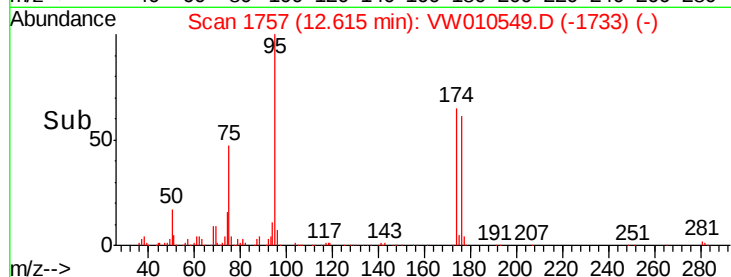
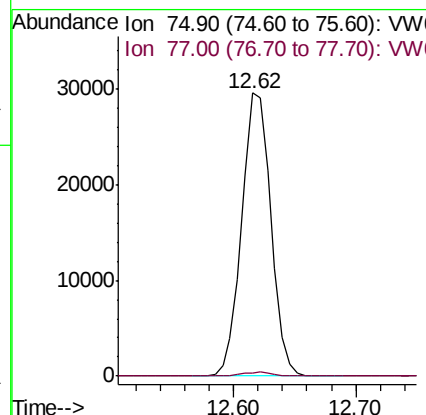
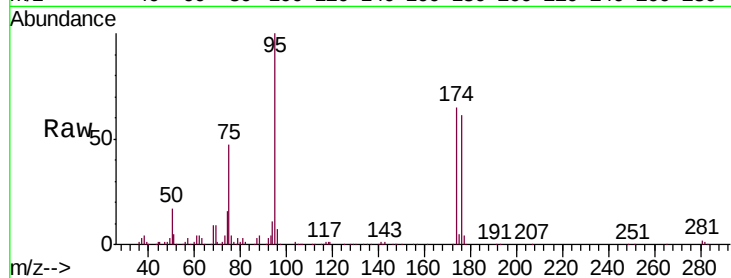




#76
 1,2,3-Trichloropropane
 Concen: 53.763 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW010549.D
 Acq: 24 May 2019 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 FEQC-DUP-052319

Tgt Ion: 75 Resp: 48950
 Ion Ratio Lower Upper
 75 100
 77 1.3 170.0 510.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.206 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW010549.D
 Acq: 24 May 2019 14:37

Tgt Ion: 75 Resp: 48950
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.1 39.5 59.3#

