

Data File : VW010728.D
Acq On : 07 Jun 2019 14:52
Operator : SY/VA
Sample : K3247-04RE
Misc : 3.95G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-041-B

Quant Time: Jun 08 02:39:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	145993	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
35) Dibromofluoromethane	7.88	113	104759	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.32	98	468700	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.62	95	160007	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

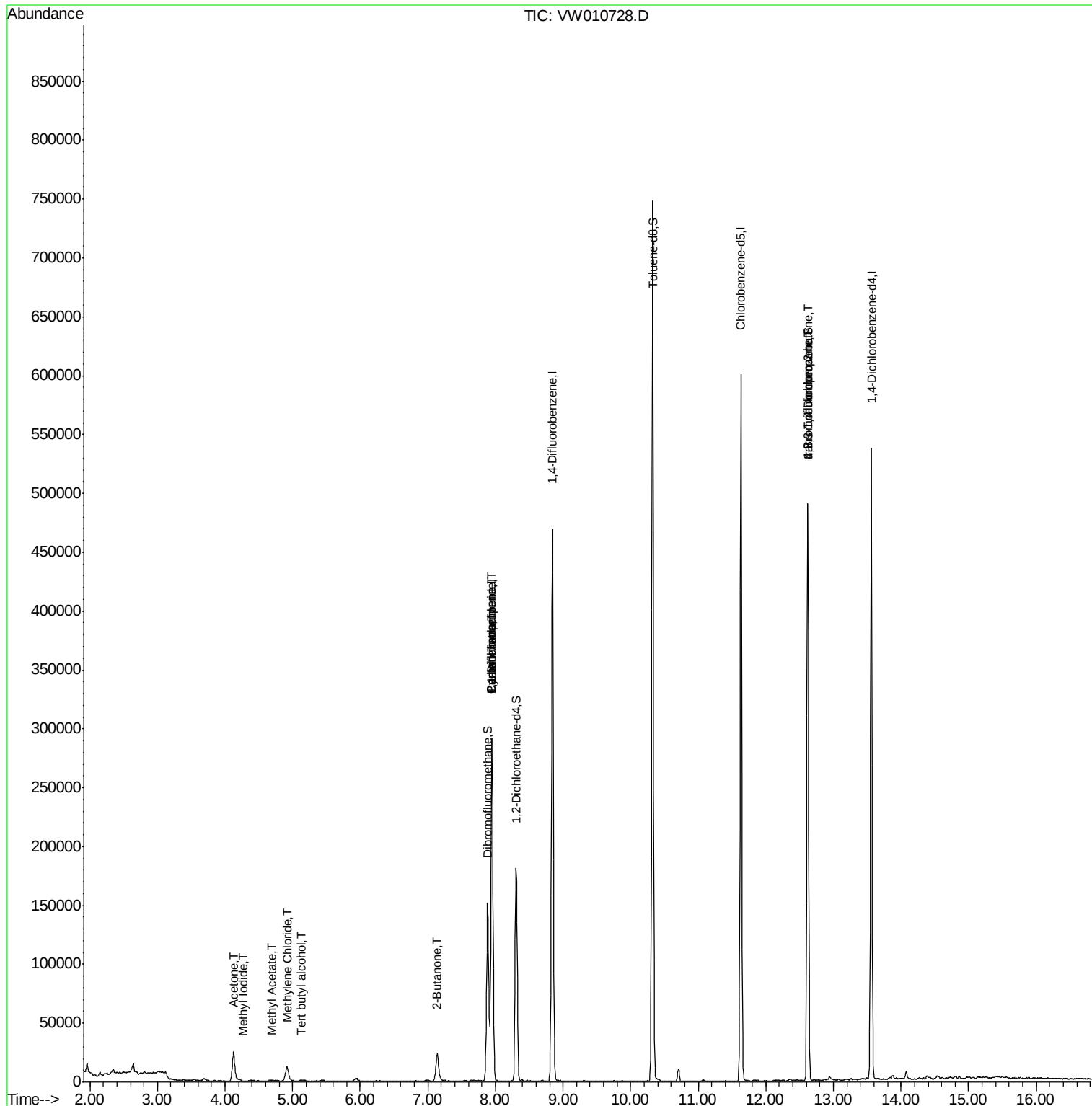
						Qvalue
10) Methyl Iodide	4.27	142	19	4.806	ug/l #	41
11) Tert butyl alcohol	5.14	59	910	4.513	ug/l #	79
16) Acetone	4.12	43	43987	66.327	ug/l	98
18) Methyl Acetate	4.68	43	1921	1.346	ug/l	95
20) Methylene Chloride	4.92	84	8372	3.599	ug/l #	91
25) 2-Butanone	7.15	43	1885	2.050	ug/l #	73
31) Cyclohexane	7.95	56	5320	1.065	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	18797	5.089	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21328	6.689	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	86505	63.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86505	146.354	ug/l #	5

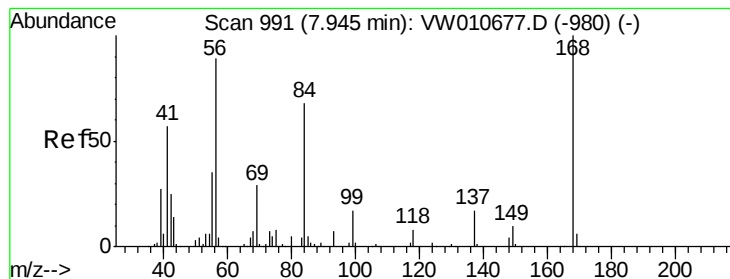
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

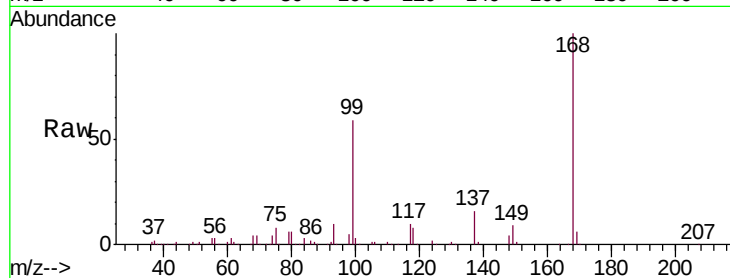
FK-GF-02-041-B

Tgt Ion:168 Resp: 209985

Ion Ratio Lower Upper

168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

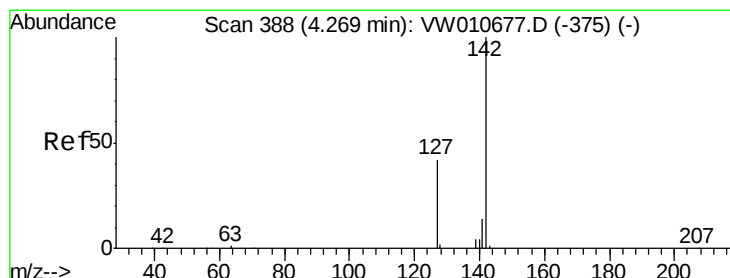
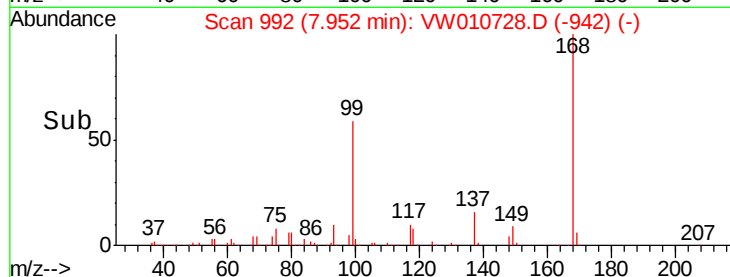
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 4.806 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

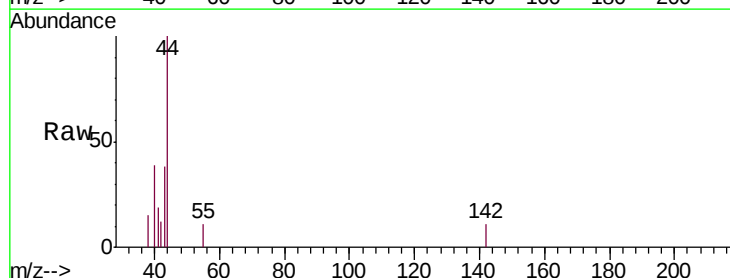
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

80

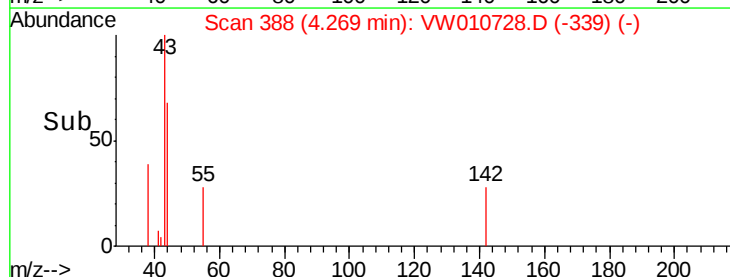
60

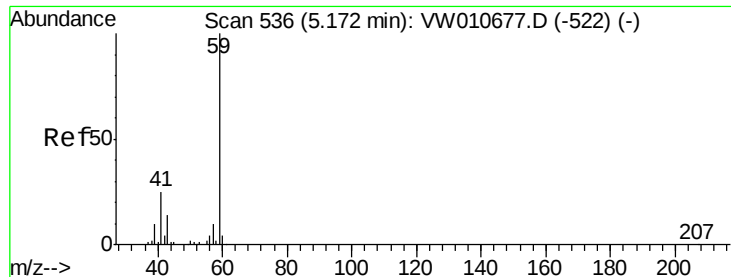
40

20

0

Time--> 4.25 4.26 4.27 4.28

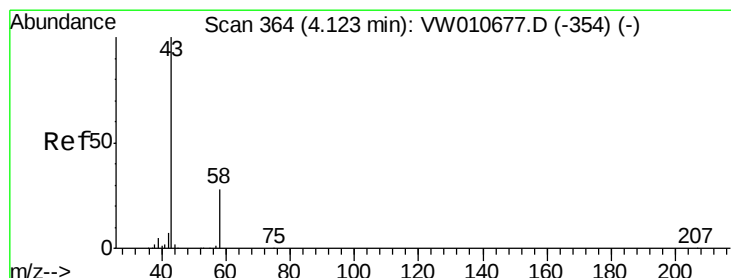
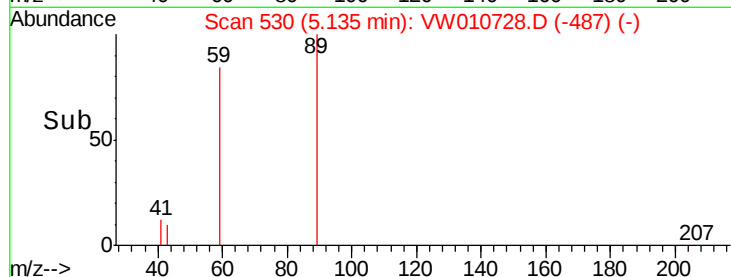
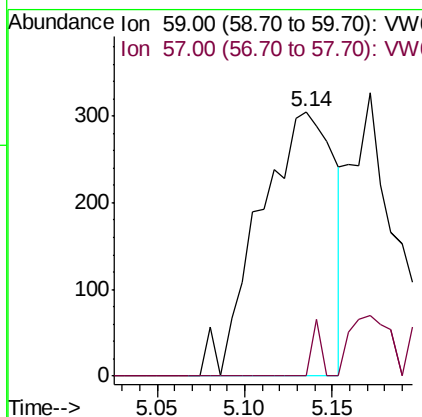
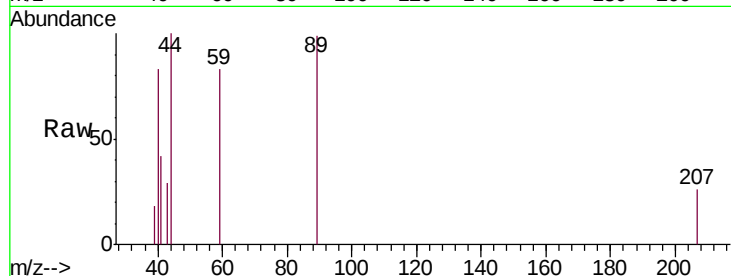




#11
Tert butyl alcohol
Concen: 4.513 ug/l
RT: 5.14 min Scan# 530
Delta R.T. -0.04 min
Lab File: VW010728.D
Acq: 07 Jun 2019 14:52

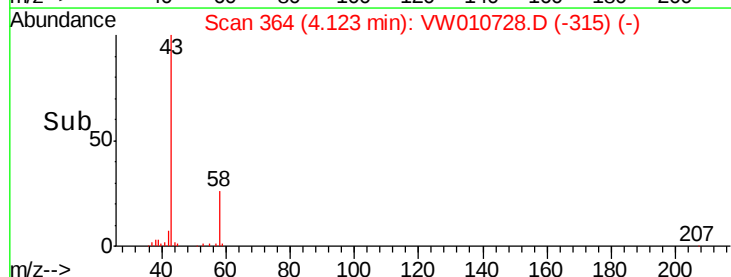
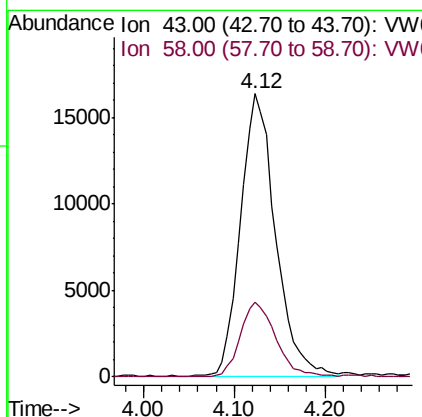
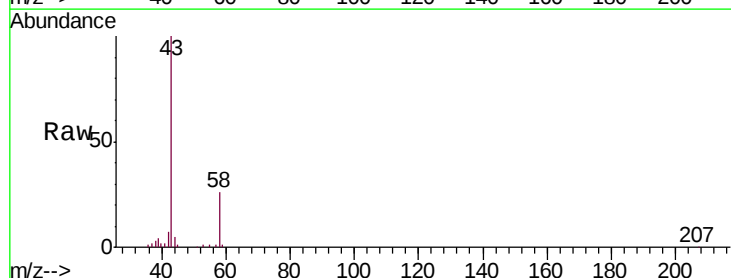
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-041-B

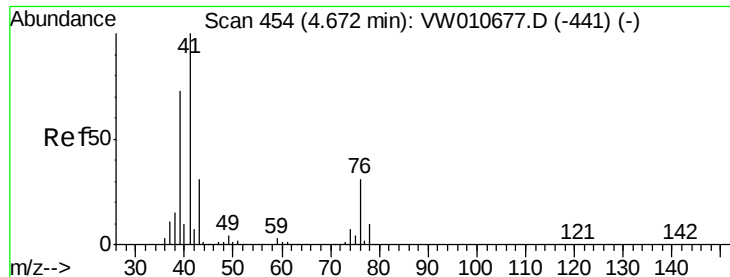
Tgt Ion: 59 Resp: 910
Ion Ratio Lower Upper
59 100
57 2.6 8.6 12.8#



#16
Acetone
Concen: 66.327 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW010728.D
Acq: 07 Jun 2019 14:52

Tgt Ion: 43 Resp: 43987
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1

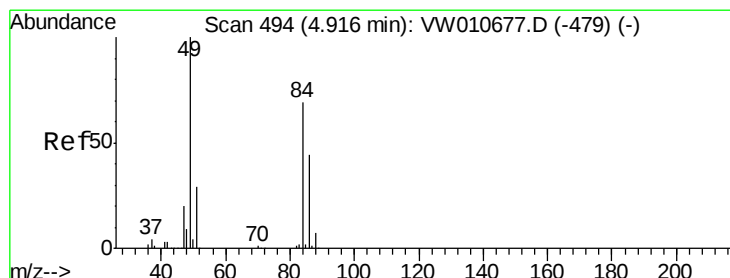
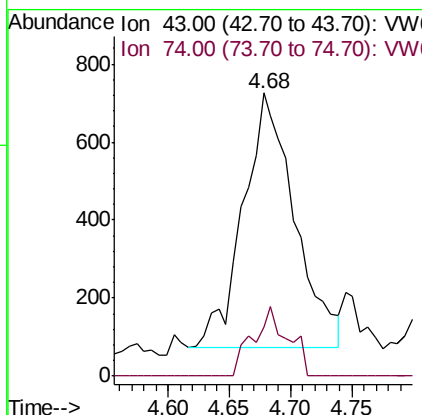
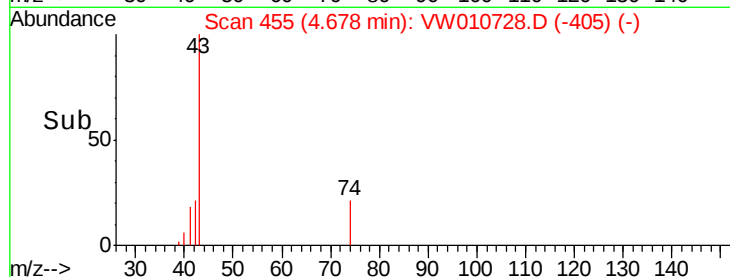
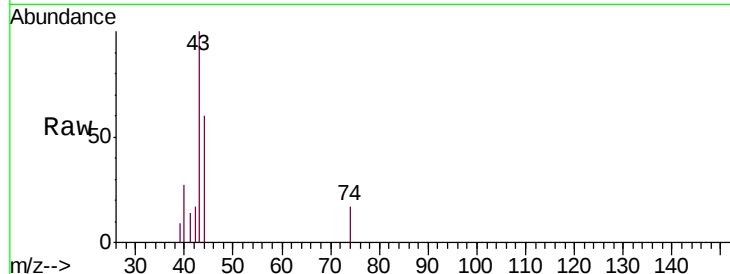




#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010728.D
Acq: 07 Jun 2019 14:52

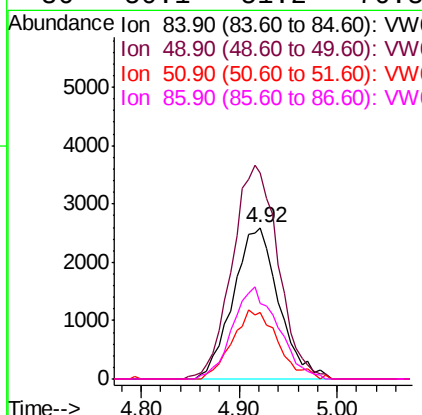
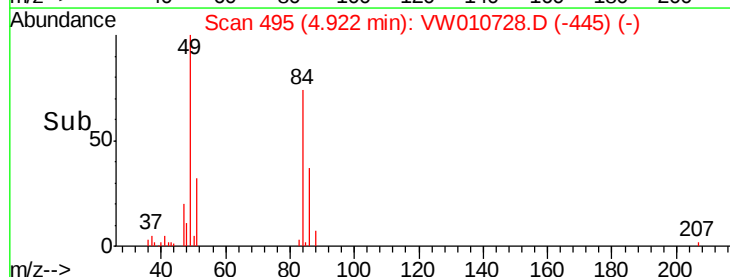
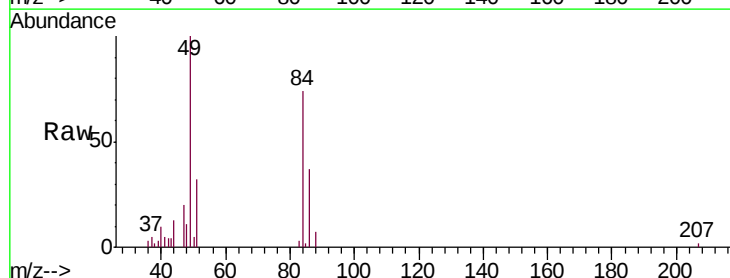
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-041-B

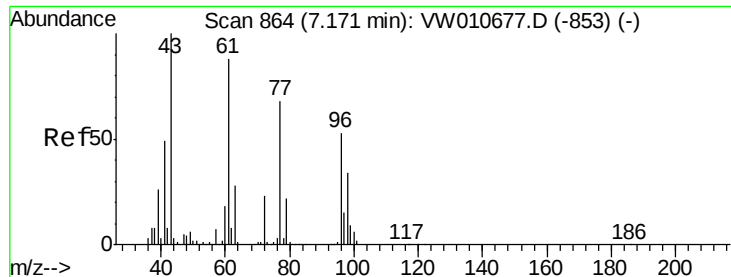
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 18.4 16.7 25.1



#20
Methylene Chloride
Concen: 3.599 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010728.D
Acq: 07 Jun 2019 14:52

Tgt Ion: 84 Resp: 8372
Ion Ratio Lower Upper
84 100
49 135.8 116.7 175.1
51 43.8 34.2 51.2
86 50.1 51.2 76.8#





#25

2-Butanone

Concen: 2.050 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

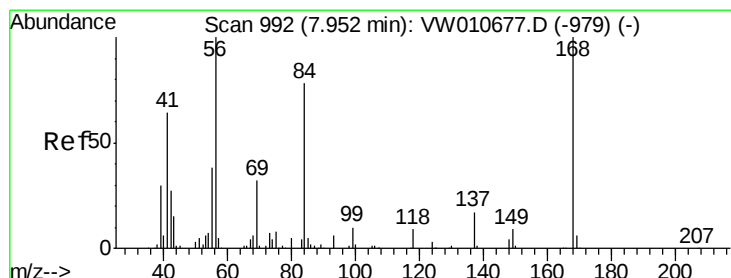
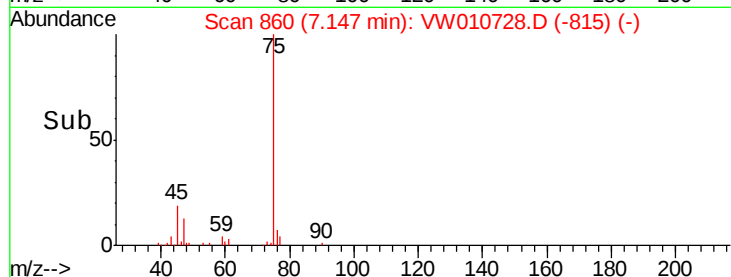
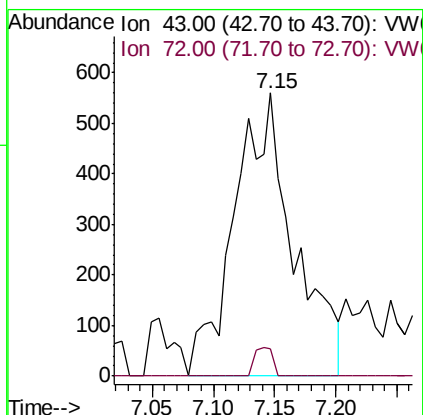
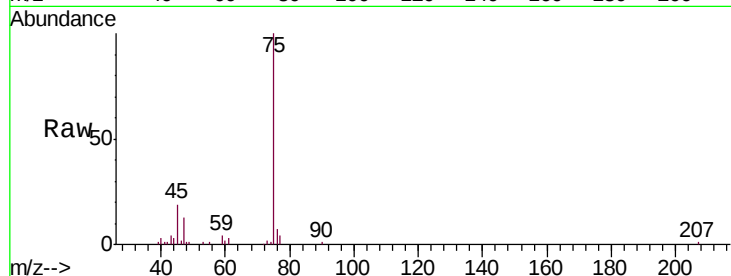
FK-GF-02-041-B

Tgt Ion: 43 Resp: 1885

Ion Ratio Lower Upper

43 100

72 9.5 18.1 27.1#



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

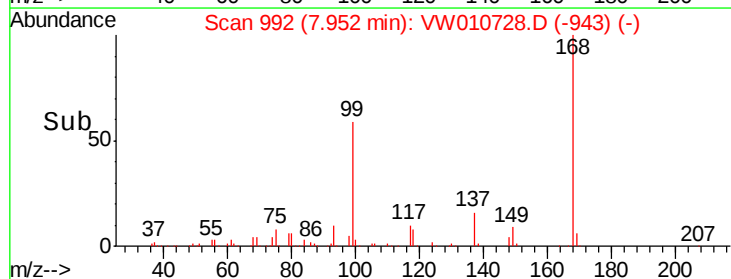
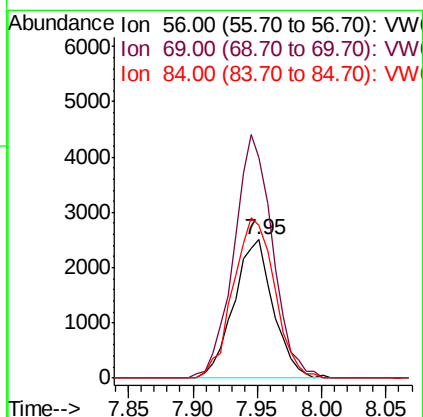
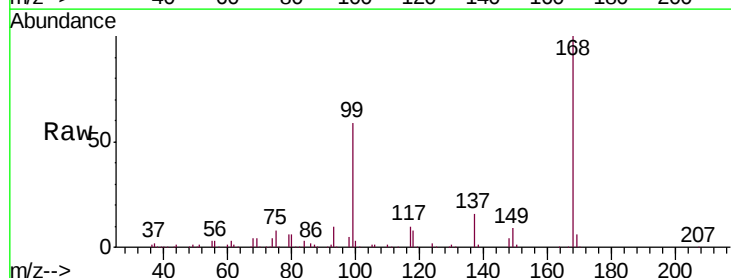
Tgt Ion: 56 Resp: 5320

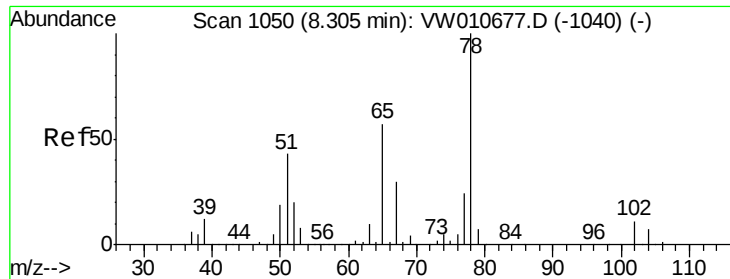
Ion Ratio Lower Upper

56 100

69 159.7 25.2 37.8#

84 110.3 62.2 93.2#

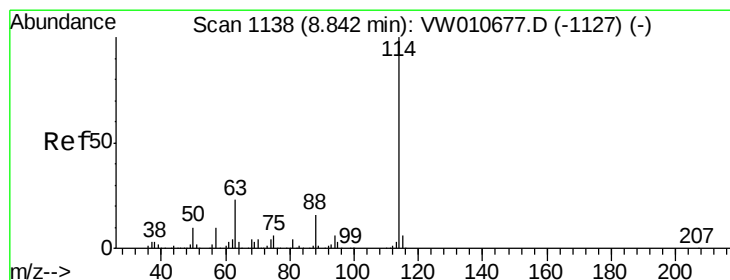
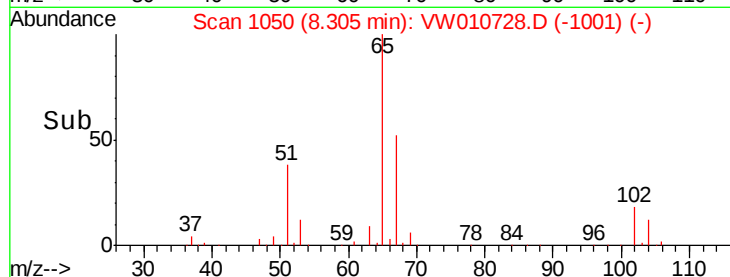
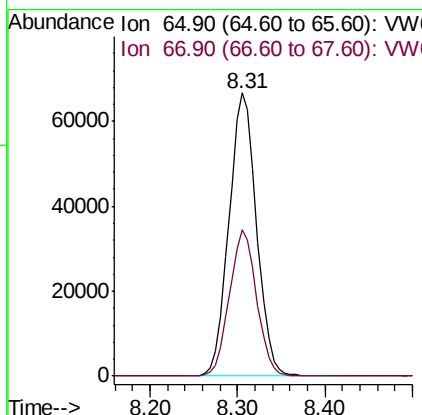
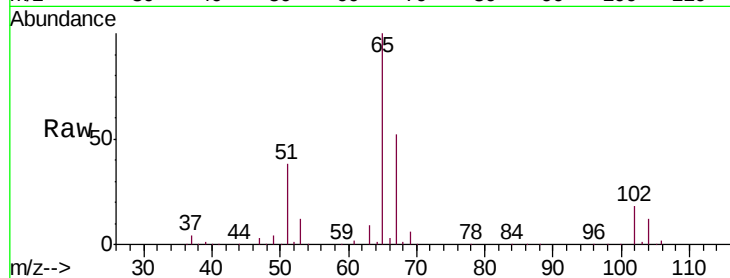




#33
 1,2-Dichloroethane-d4
 Concen: 58.986 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010728.D
 Acq: 07 Jun 2019 14:52

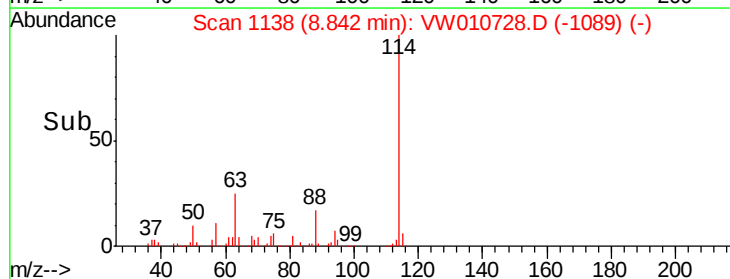
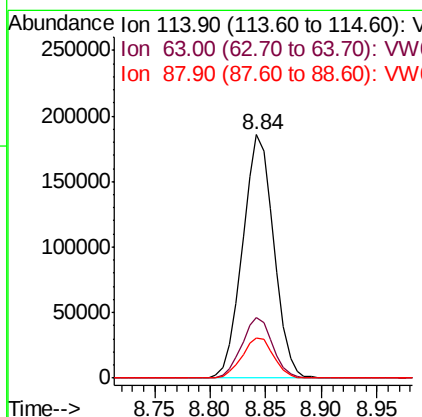
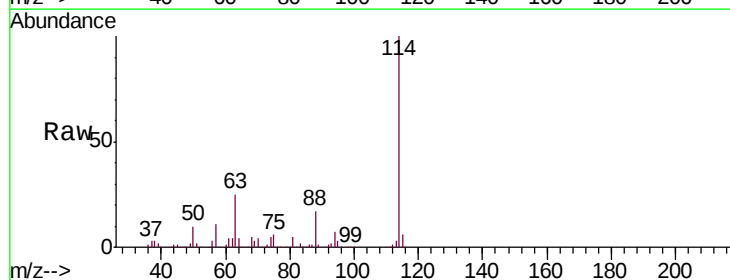
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-041-B

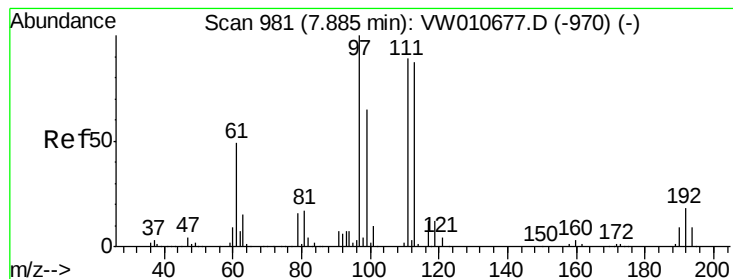
Tgt Ion: 65 Resp: 145993
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010728.D
 Acq: 07 Jun 2019 14:52

Tgt Ion: 114 Resp: 360846
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.4
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.487 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-041-B

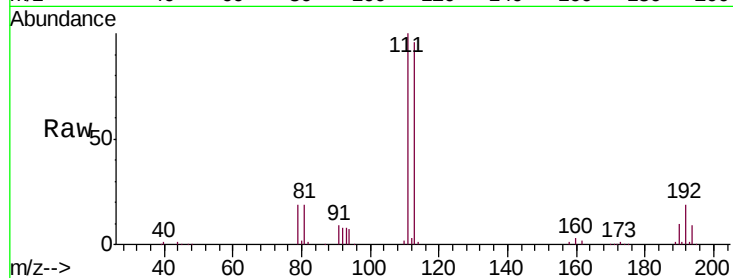
Tgt Ion:113 Resp: 104759

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

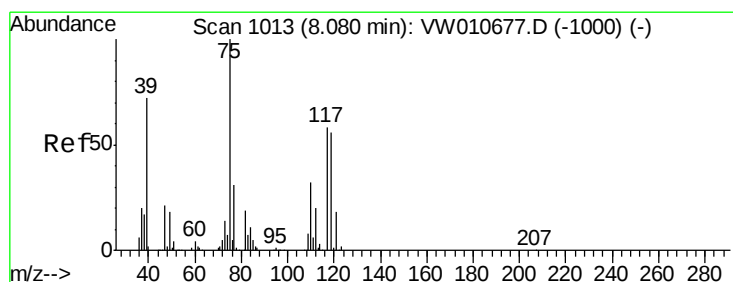
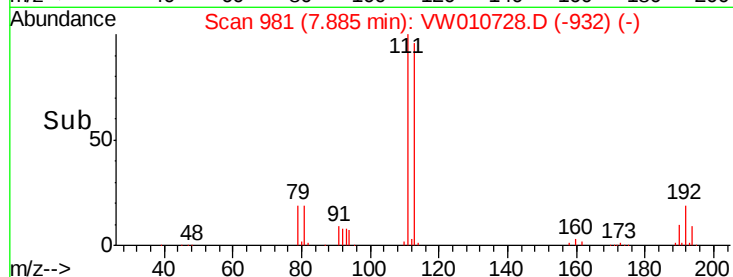
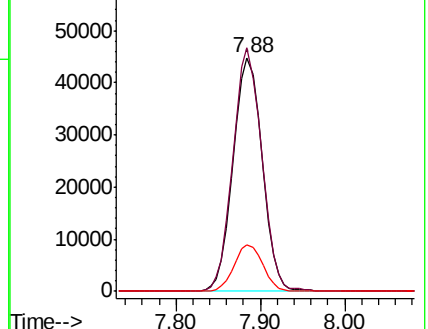
192 19.8 16.4 24.6



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: 5.089 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

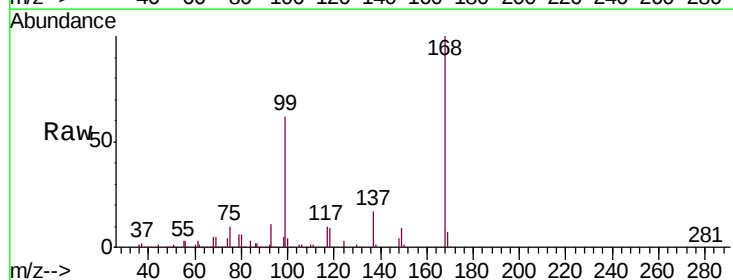
Tgt Ion: 75 Resp: 18797

Ion Ratio Lower Upper

75 100

110 7.9 15.8 47.3#

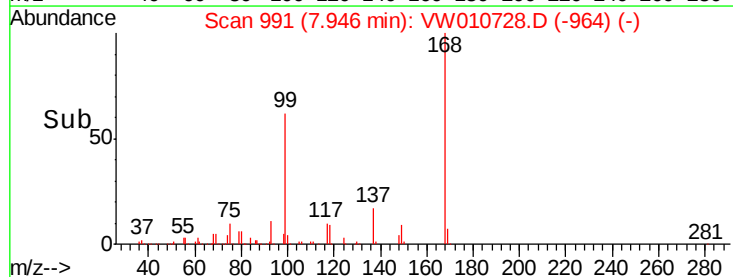
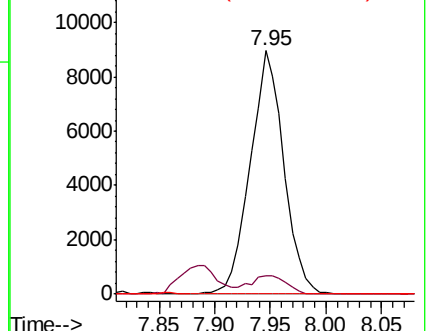
77 0.0 24.7 37.1#

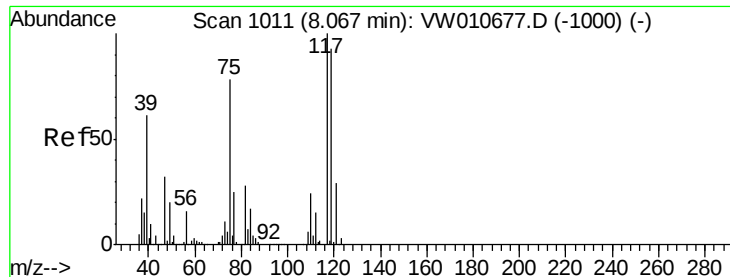


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010728.D

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ClientSampleId :

FK-GF-02-041-B

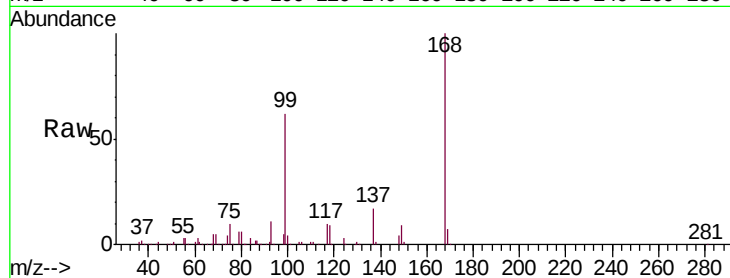
Tgt Ion:117 Resp: 21328

Ion Ratio Lower Upper

117 100

119 4.4 74.2 111.4#

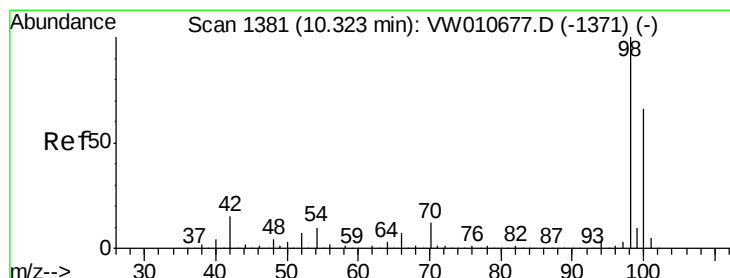
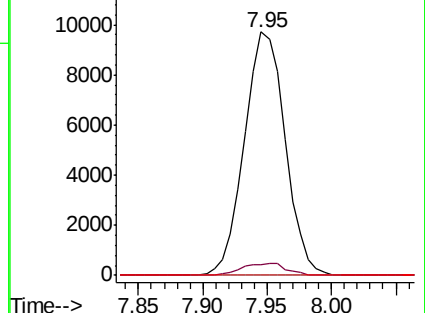
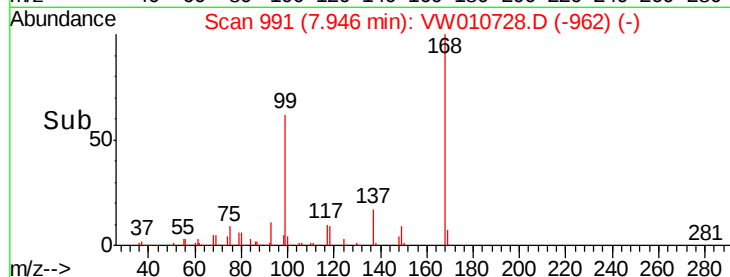
121 0.0 22.9 34.3#



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: 54.572 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010728.D

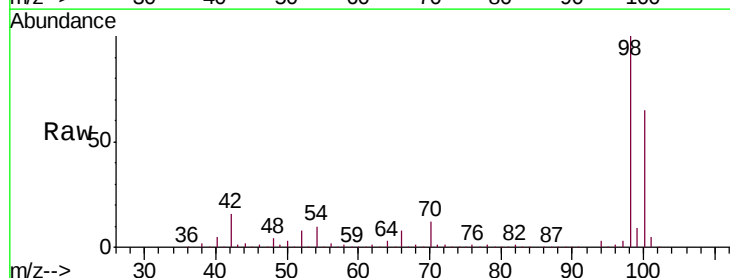
Acq: 07 Jun 2019 14:52

Tgt Ion: 98 Resp: 468700

Ion Ratio Lower Upper

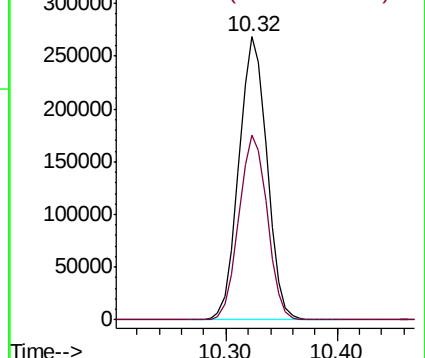
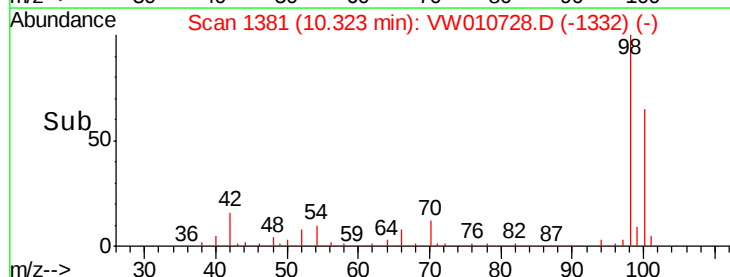
98 100

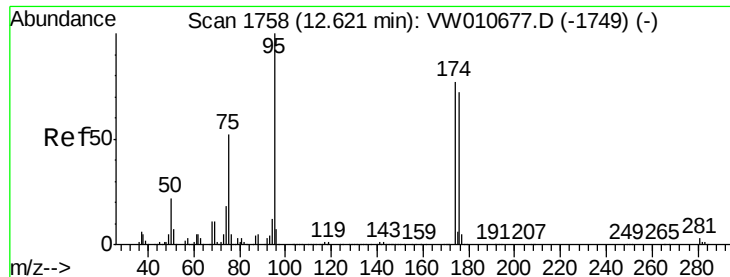
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 51.197 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

FK-GF-02-041-B

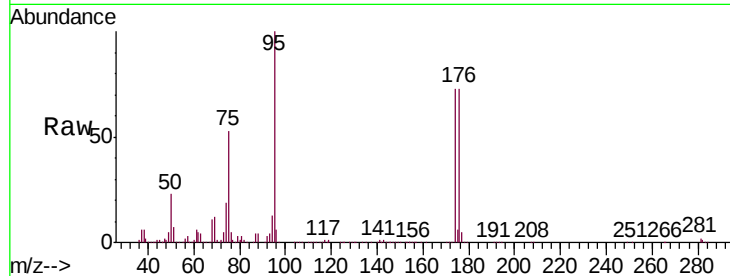
Tgt Ion: 95 Resp: 160007

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

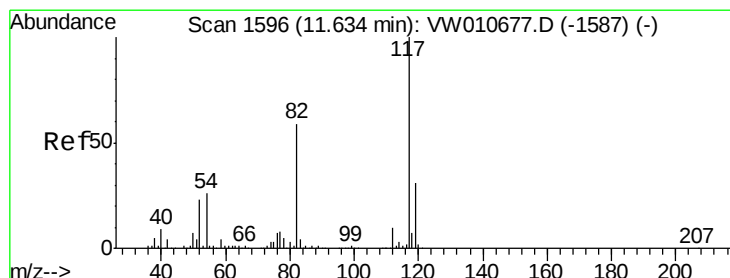
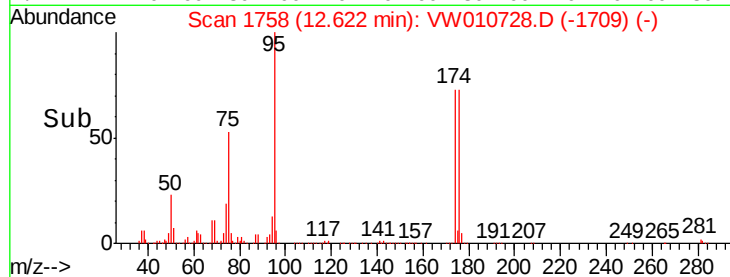
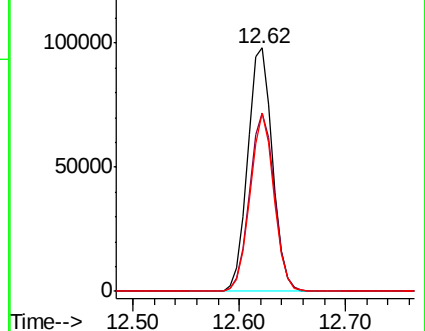
176 70.7 0.0 144.8



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: VW010728.D

Acq: 07 Jun 2019 14:52

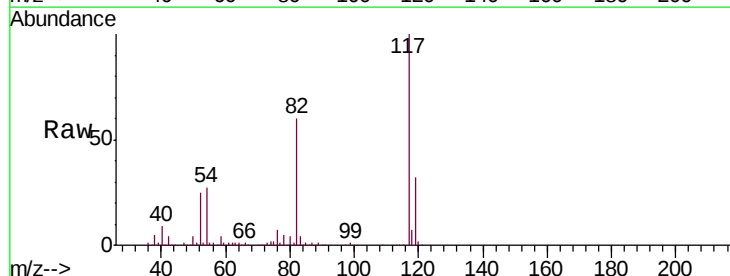
Tgt Ion: 117 Resp: 310885

Ion Ratio Lower Upper

117 100

82 60.2 47.0 70.4

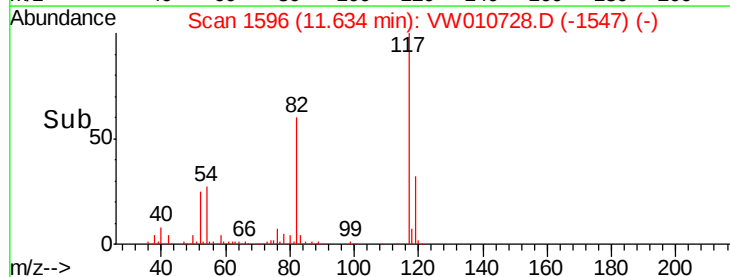
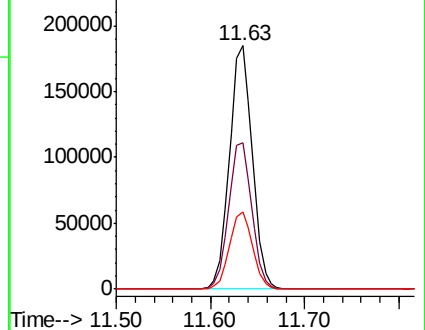
119 31.7 25.1 37.7

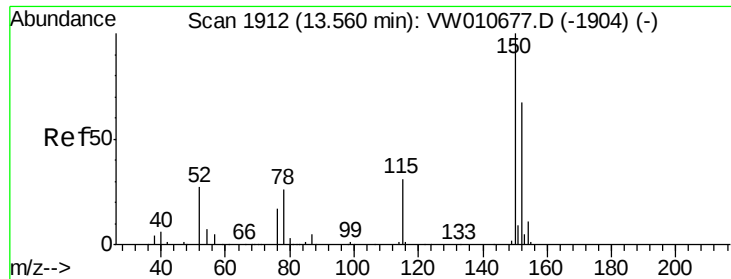


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-041-B

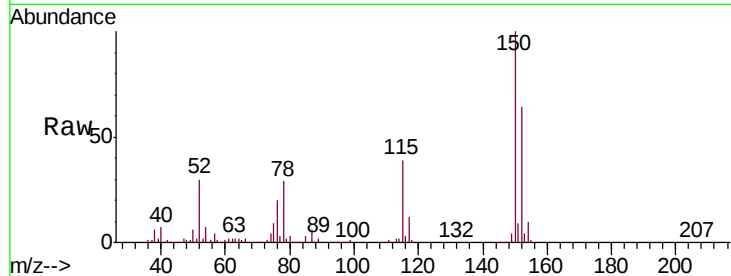
Tgt Ion:152 Resp: 129361

Ion Ratio Lower Upper

152 100

115 60.9 29.8 89.3

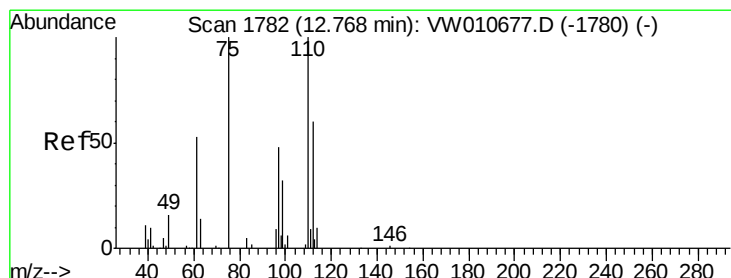
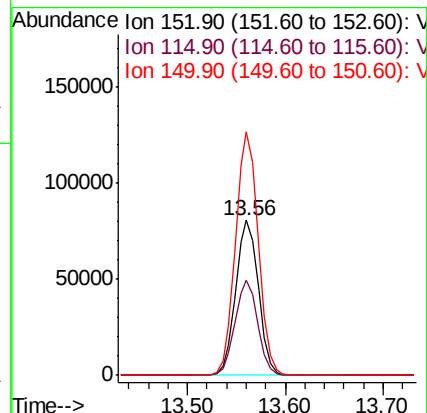
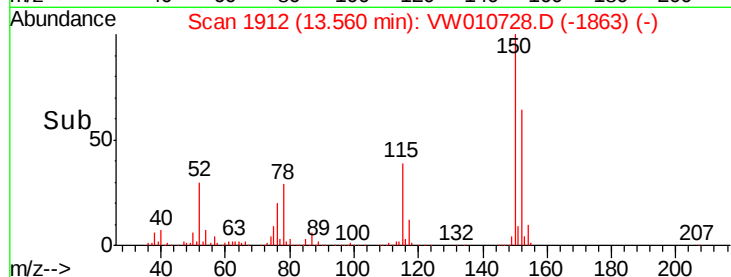
150 157.3 0.0 345.0



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: 63.678 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010728.D

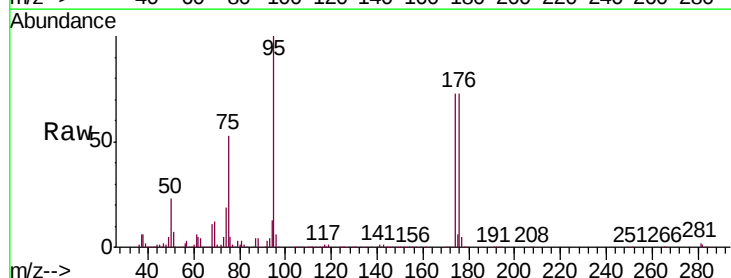
Acq: 07 Jun 2019 14:52

Tgt Ion: 75 Resp: 86505

Ion Ratio Lower Upper

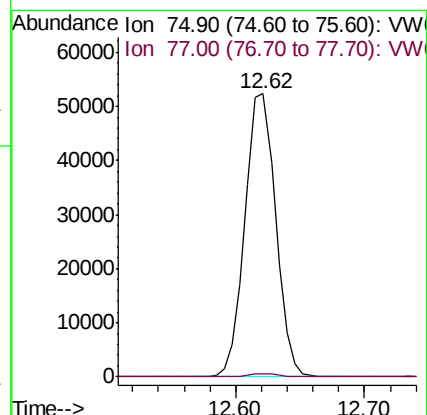
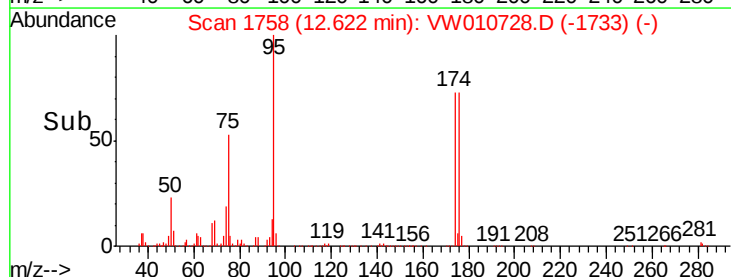
75 100

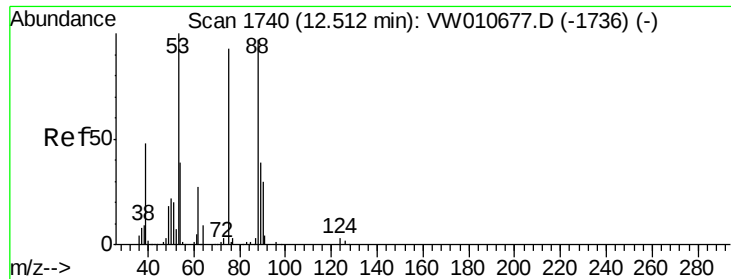
77 1.3 0.0 0.0#



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: 146.354 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010728.D

Acq: 07 Jun 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-041-B

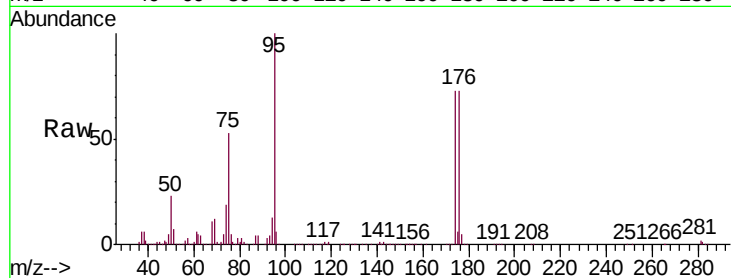
Tgt Ion: 75 Resp: 86505

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 34.6 52.0#



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

