

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008956.D
 Acq On : 02 Mar 2019 08:13
 Operator : SY/VA
 Sample : K1670-02
 Misc : 6.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-032-A

Quant Time: Mar 03 23:53:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	285642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	392344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164094	61.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.50%	
35) Dibromofluoromethane	7.88	113	141403	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	528364	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	181603	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

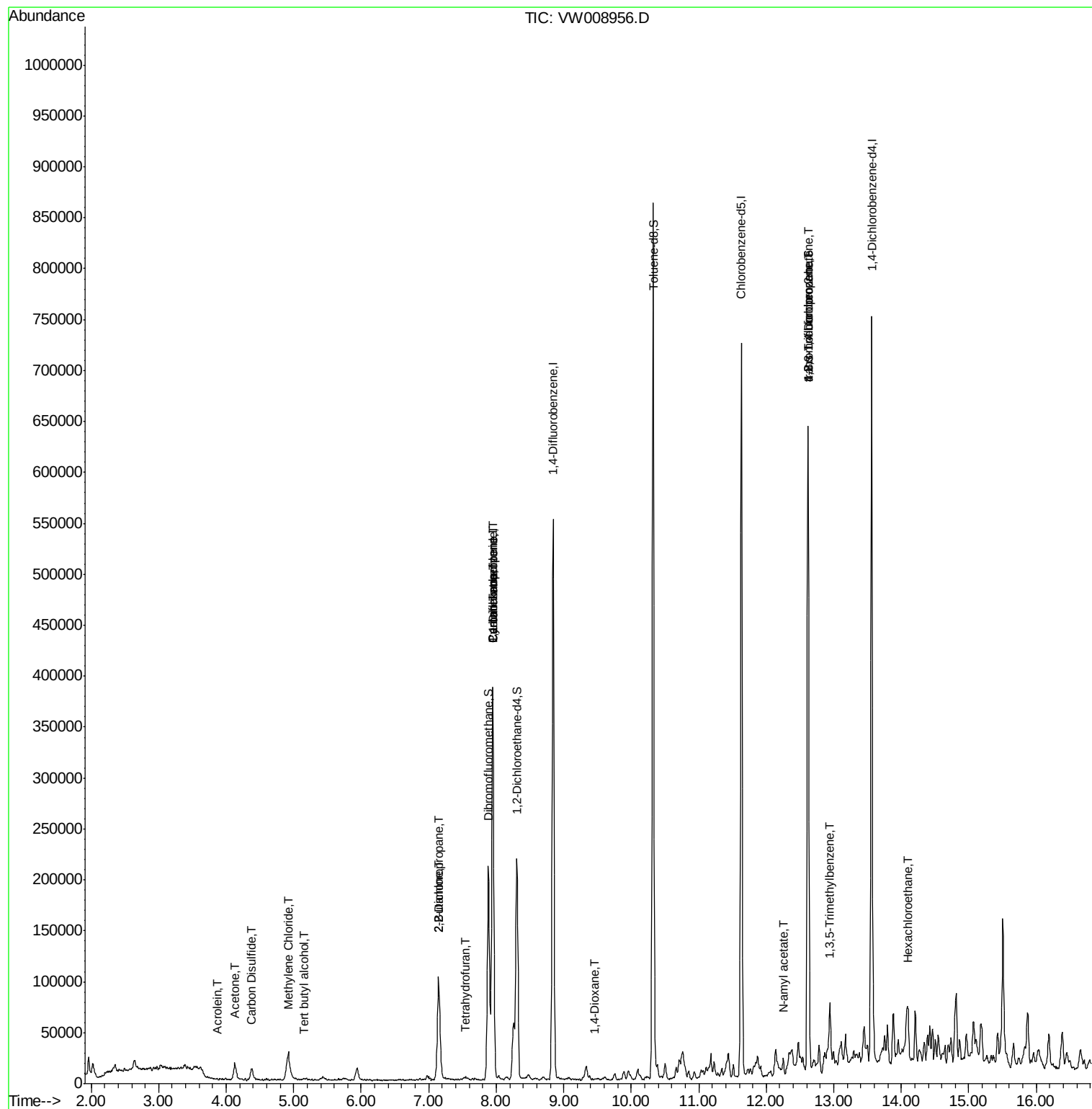
						Qvalue
11) Tert butyl alcohol	5.14	59	541	2.268	ug/l #	55
13) Acrolein	3.86	56	84	20.087	ug/l	99
16) Acetone	4.13	43	27425	44.164	ug/l	95
17) Carbon Disulfide	4.37	76	19646	2.368	ug/l	99
20) Methylene Chloride	4.91	84	19543	1.425	ug/l	91
25) 2-Butanone	7.15	43	6278	7.231	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	7045	1.555	ug/l #	55
29) Tetrahydrofuran	7.54	42	1535	2.774	ug/l #	82
31) Cyclohexane	7.95	56	7818	1.548	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	22703	5.248	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28081	6.155	ug/l #	17
49) 1,4-Dioxane	9.46	88	27	1.039	ug/l #	1
74) N-amyl acetate	12.25	43	4416	1.397	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	96616	63.940	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	15110	1.386	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	96616	155.444	ug/l #	6
90) Hexachloroethane	14.10	117	3219	1.582	ug/l #	9

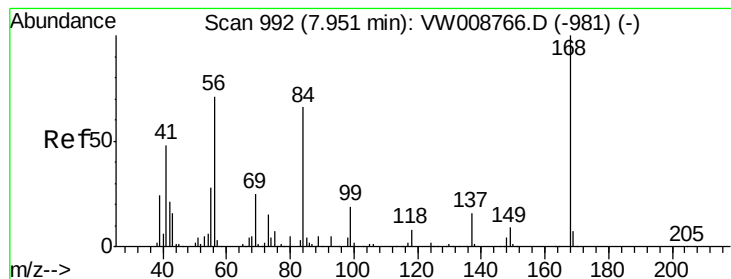
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
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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: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

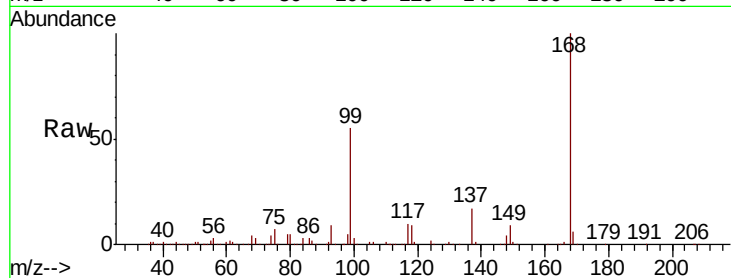
FK-GF-02-032-A

Tgt Ion: 168 Resp: 285642

Ion Ratio Lower Upper

168 100

99 54.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

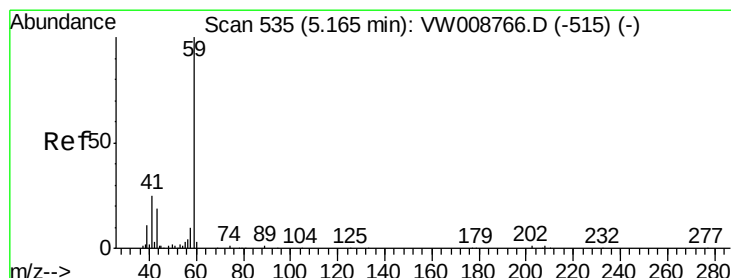
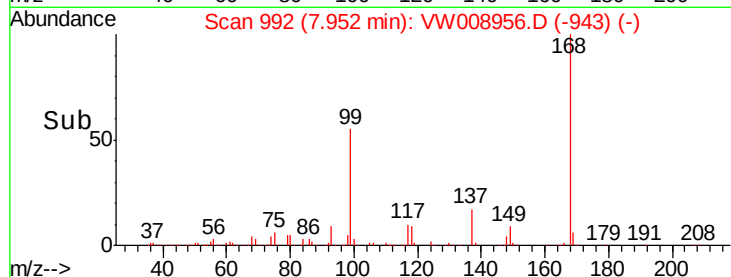
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.268 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW008956.D

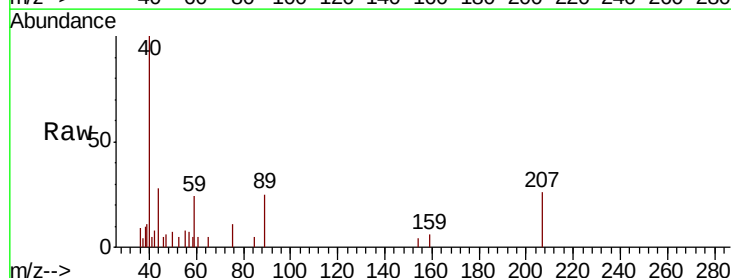
Acq: 02 Mar 2019 08:13

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 29.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

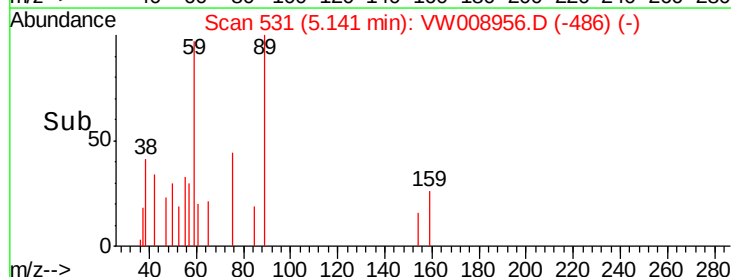
300

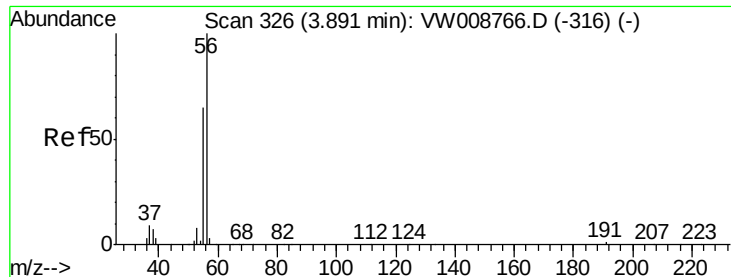
200

100

0

Time--> 5.10 5.12 5.14 5.16

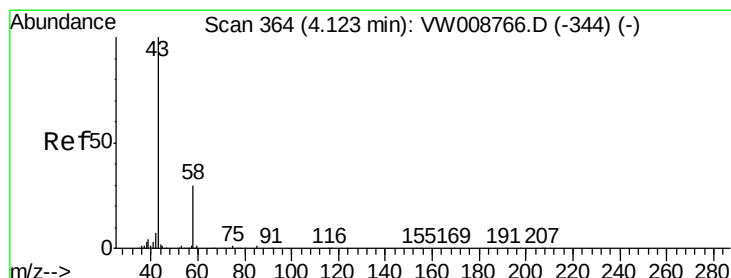
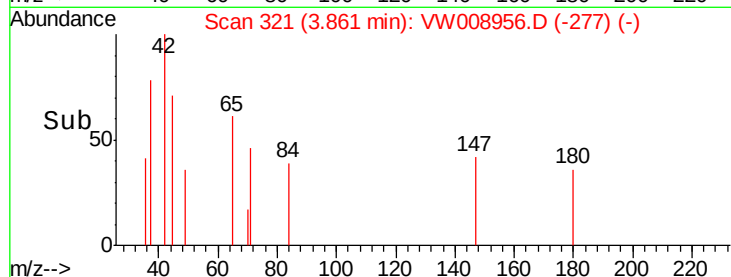
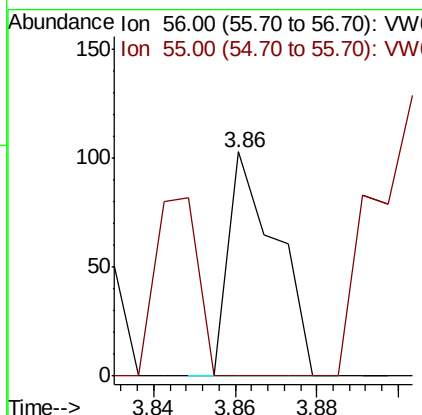
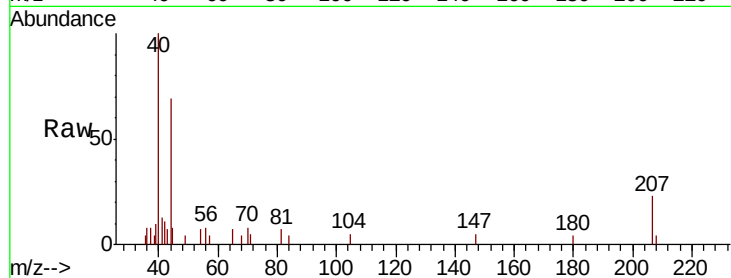




#13
Acrolein
Concen: 20.087 ug/l
RT: 3.86 min Scan# 321
Delta R.T. -0.03 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

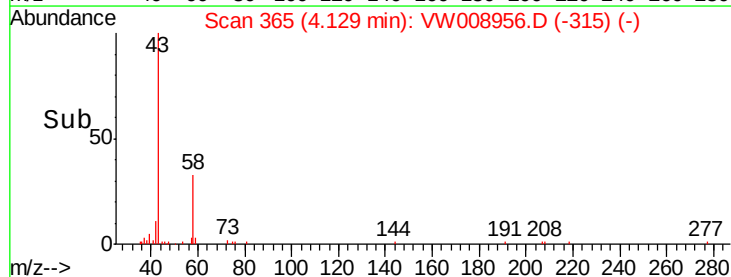
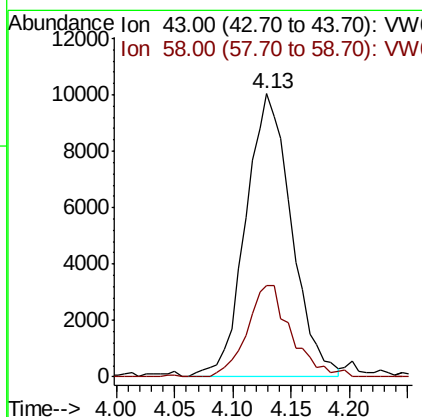
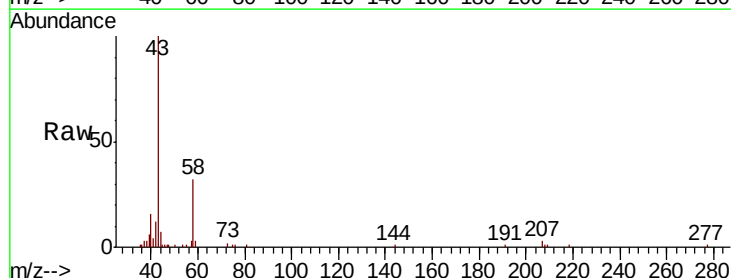
Instrument :
MSVOA_W
ClientSampled :
FK-GF-02-032-A

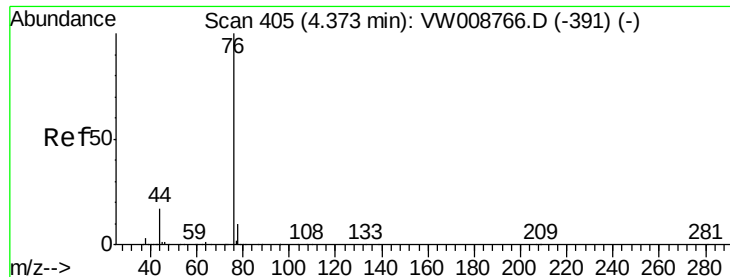
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 70.2 56.9 85.3



#16
Acetone
Concen: 44.164 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

Tgt Ion: 43 Resp: 27425
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.6

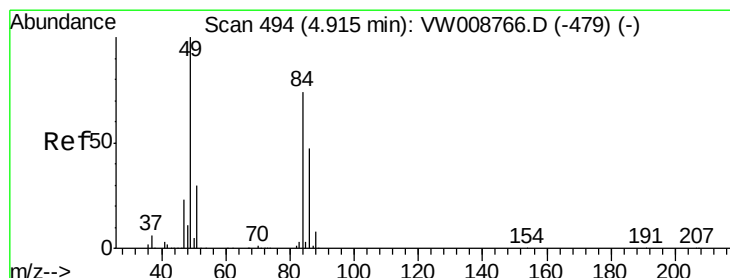
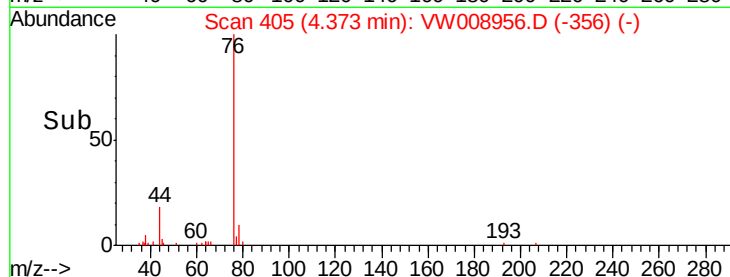
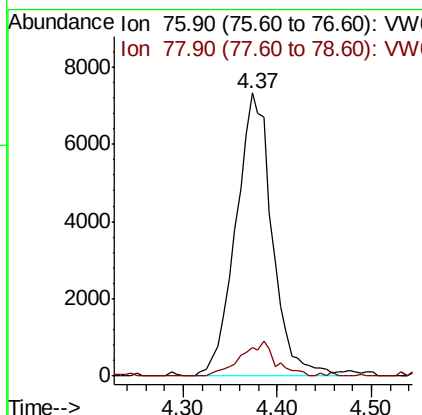
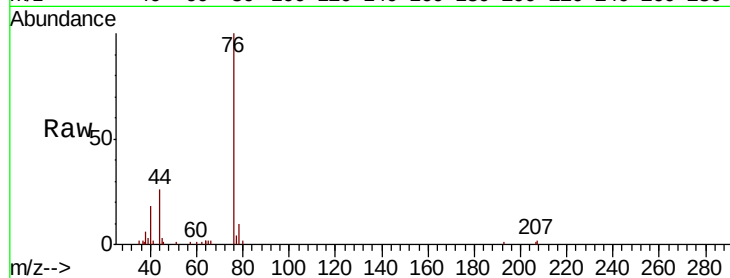




#17
Carbon Disulfide
Concen: 2.368 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

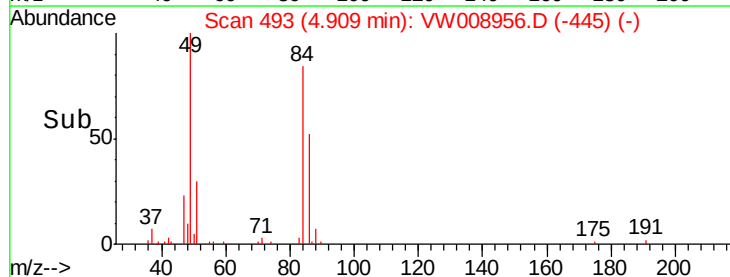
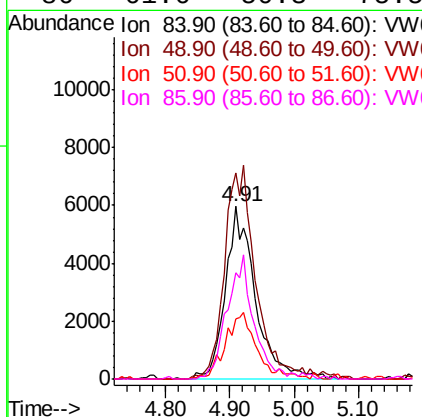
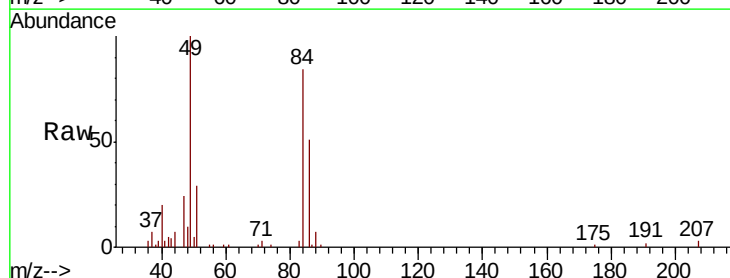
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-032-A

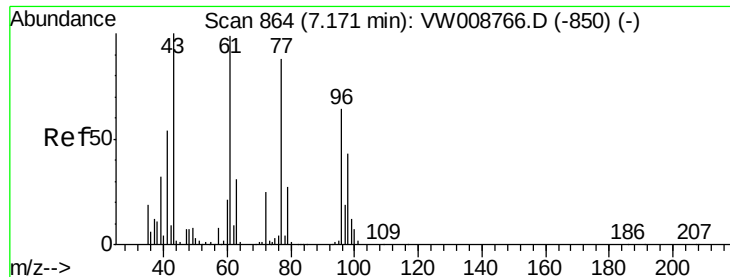
Tgt Ion: 76 Resp: 19646
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.8



#20
Methylene Chloride
Concen: 1.425 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

Tgt Ion: 84 Resp: 19543
Ion Ratio Lower Upper
84 100
49 119.6 108.2 162.2
51 35.0 32.7 49.1
86 61.6 50.3 75.5





#25

2-Butanone

Concen: 7.231 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

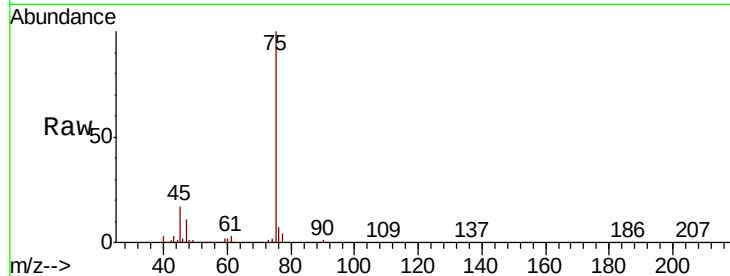
FK-GF-02-032-A

Tgt Ion: 43 Resp: 6278

Ion Ratio Lower Upper

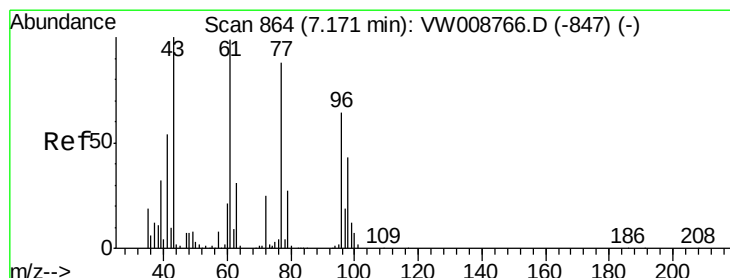
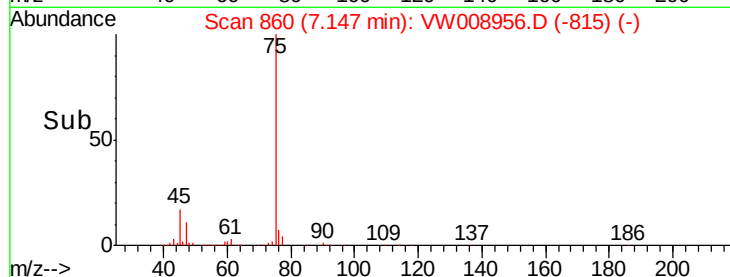
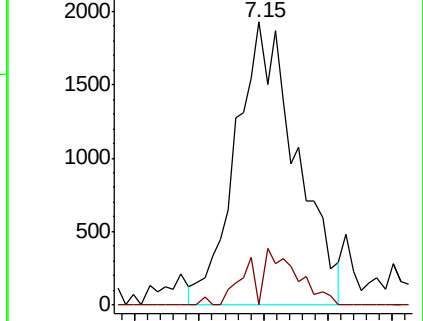
43 100

72 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.555 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008956.D

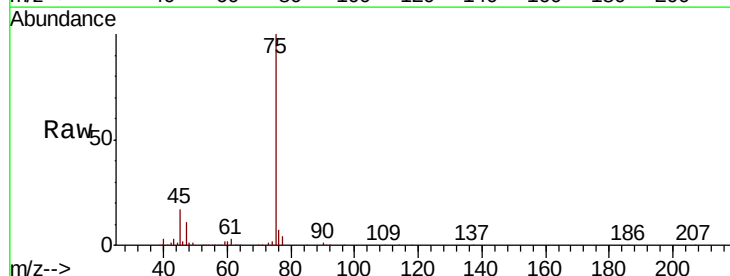
Acq: 02 Mar 2019 08:13

Tgt Ion: 77 Resp: 7045

Ion Ratio Lower Upper

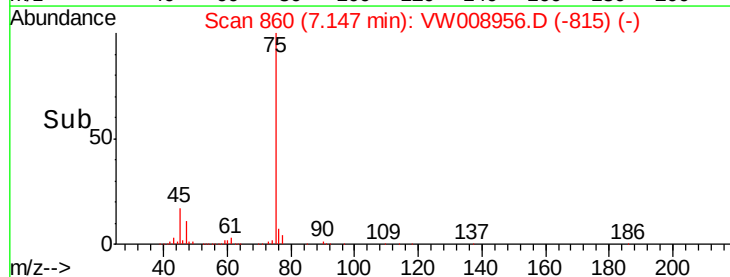
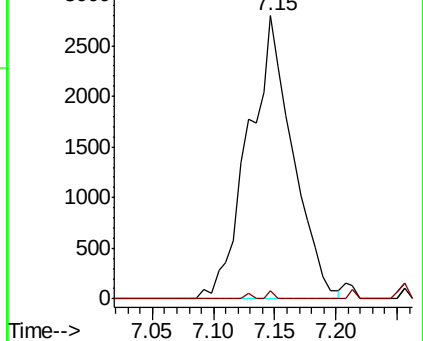
77 100

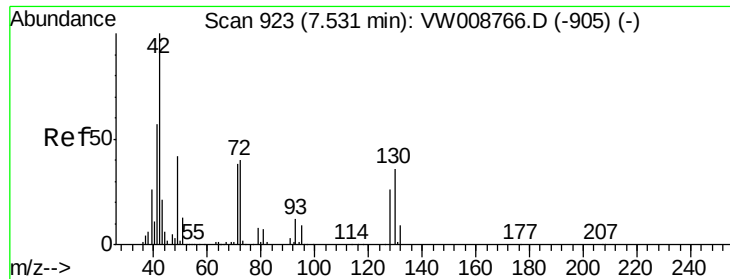
97 0.4 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

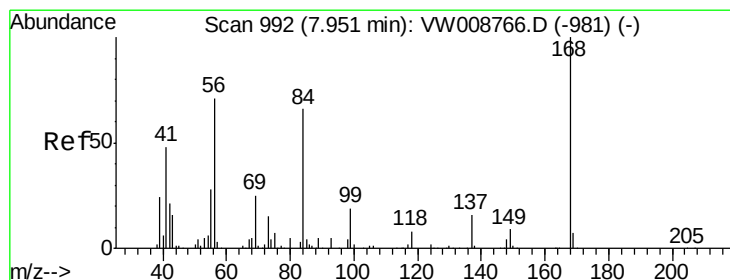
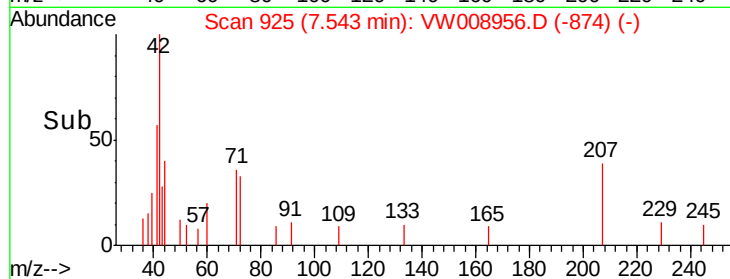
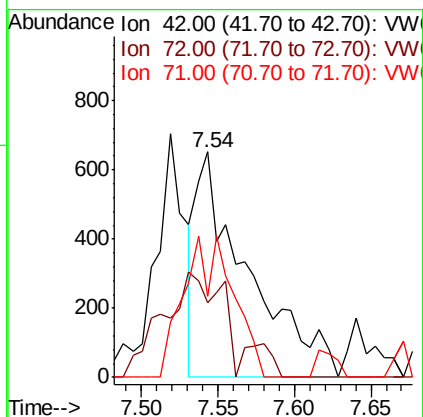
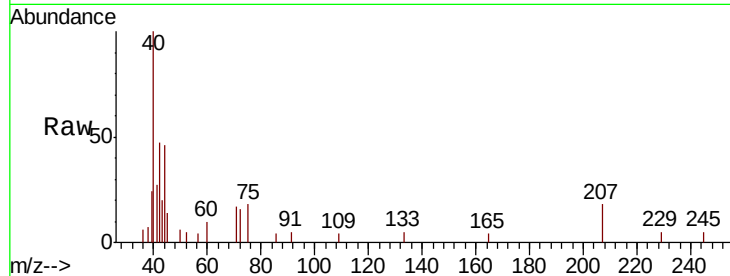




#29
Tetrahydrofuran
Concen: 2.774 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

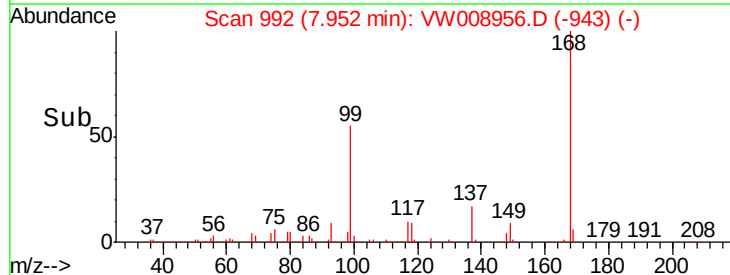
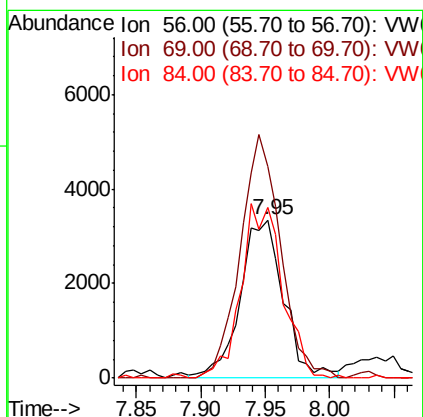
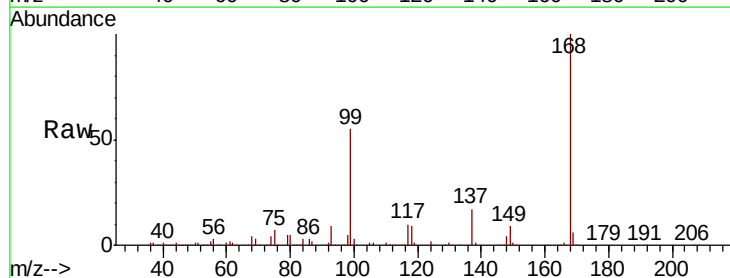
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-032-A

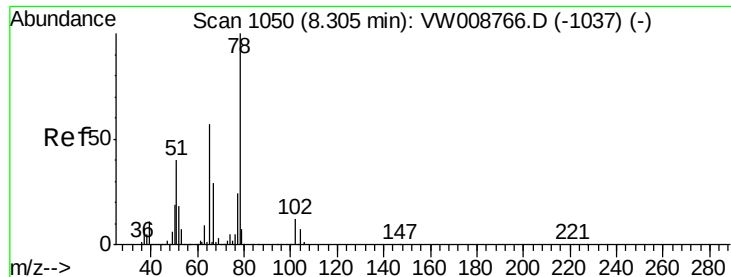
Tgt Ion: 42 Resp: 1535
Ion Ratio Lower Upper
42 100
72 54.3 32.7 49.1#
71 30.6 31.3 46.9#



#31
Cyclohexane
Concen: 1.548 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

Tgt Ion: 56 Resp: 7818
Ion Ratio Lower Upper
56 100
69 136.1 28.2 42.4#
84 109.7 74.1 111.1

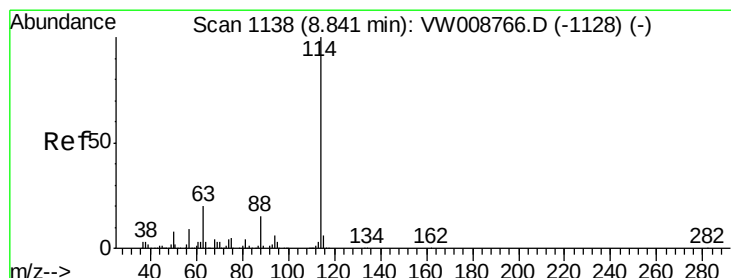
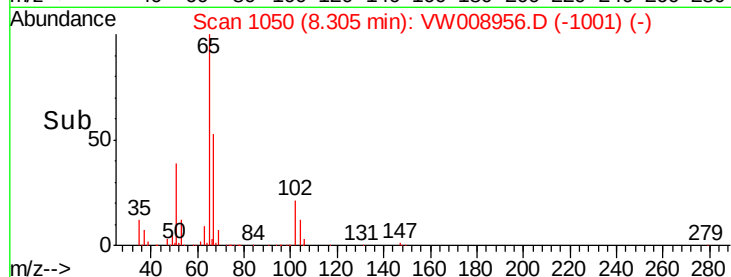
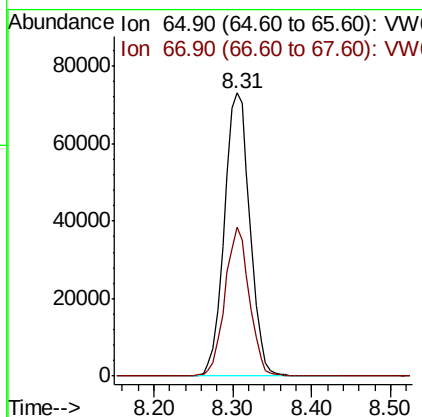
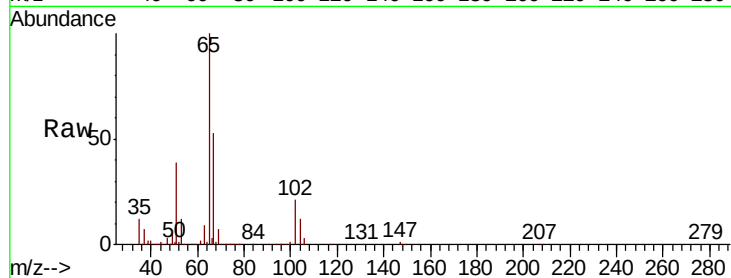




#33
 1,2-Dichloroethane-d4
 Concen: 61.250 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008956.D
 Acq: 02 Mar 2019 08:13

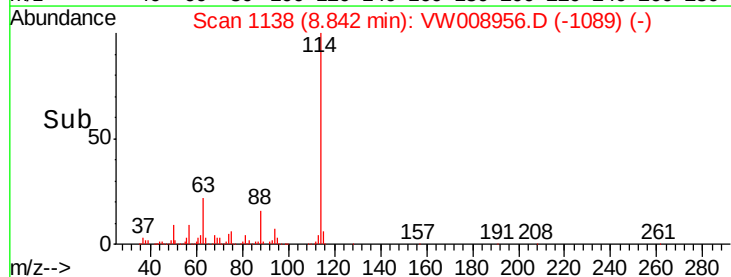
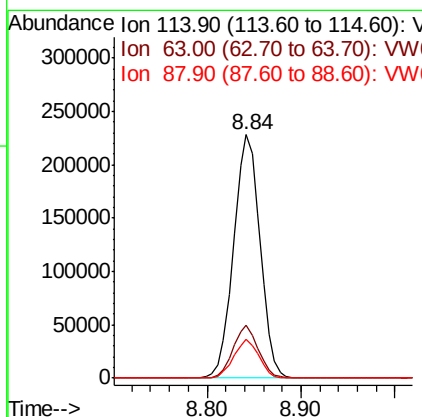
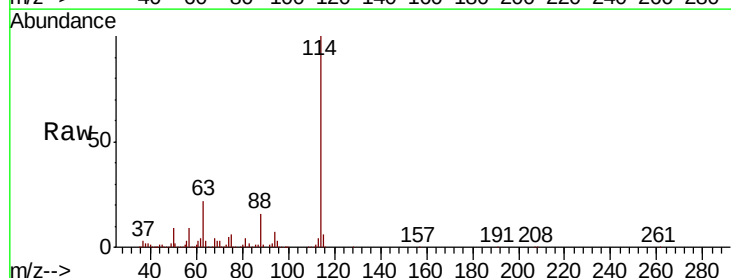
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 FK-GF-02-032-A

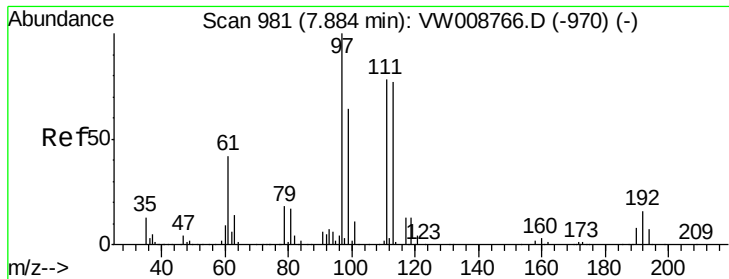
Tgt Ion: 65 Resp: 164094
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008956.D
 Acq: 02 Mar 2019 08:13

Tgt Ion: 114 Resp: 444392
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.996 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-032-A

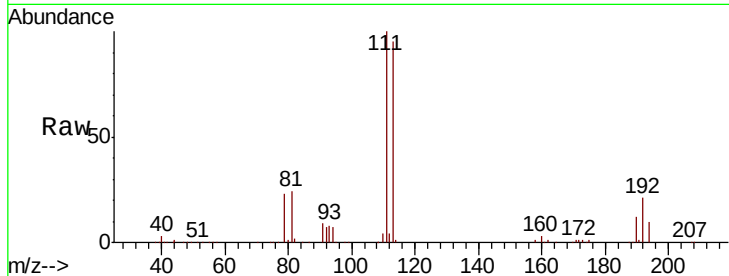
Tgt Ion:113 Resp: 141403

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

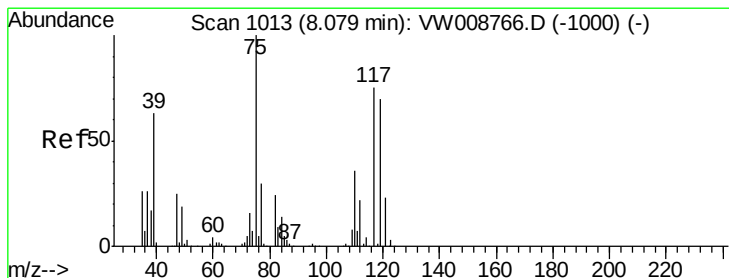
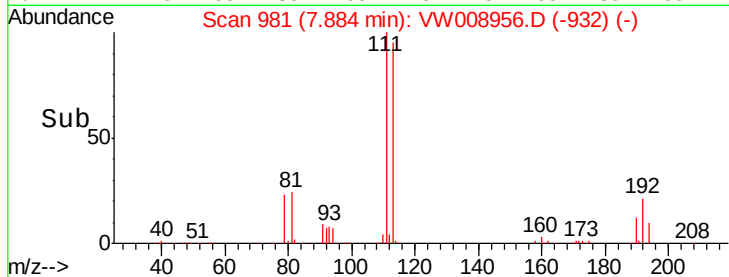
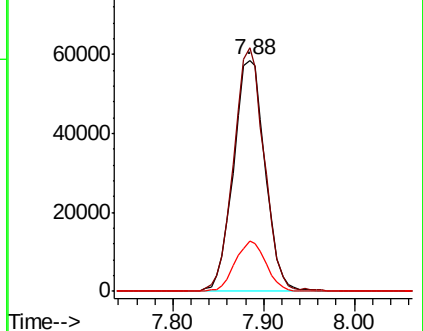
192 21.2 17.1 25.7



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: 5.248 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

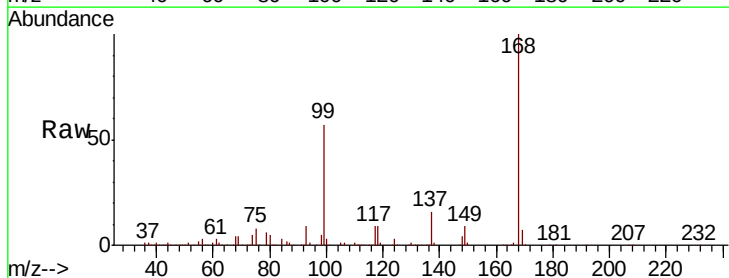
Tgt Ion: 75 Resp: 22703

Ion Ratio Lower Upper

75 100

110 9.8 17.5 52.6#

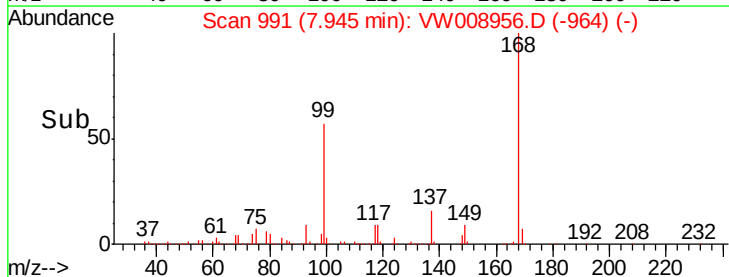
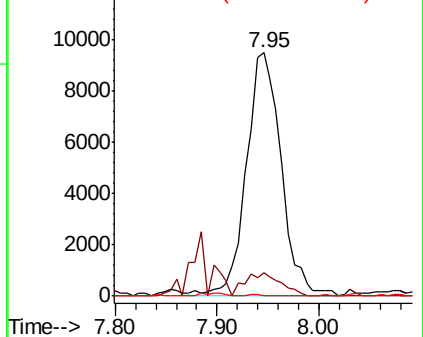
77 0.3 24.5 36.7#

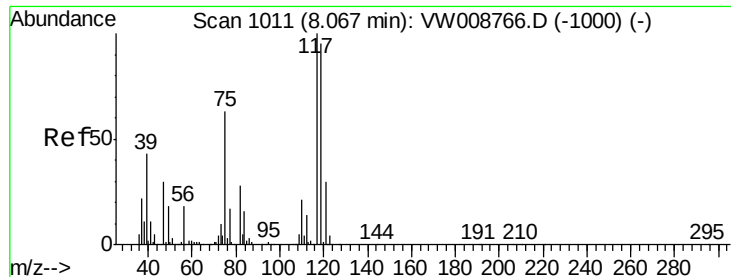


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.155 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-032-A

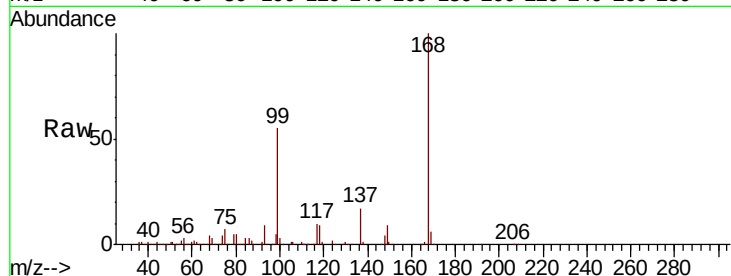
Tgt Ion:117 Resp: 28081

Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

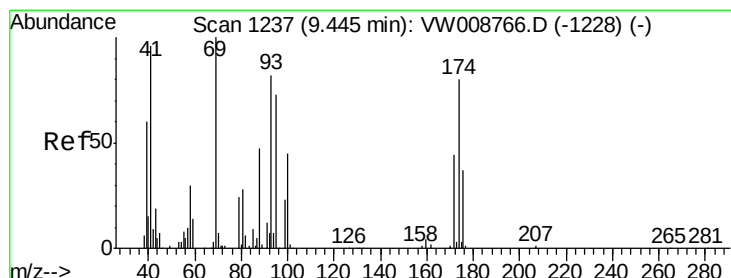
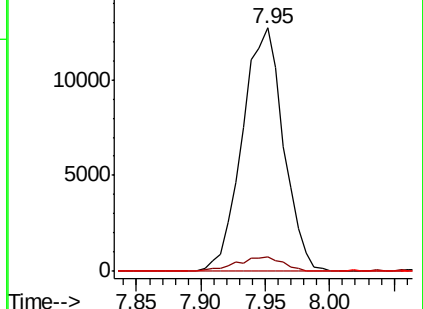
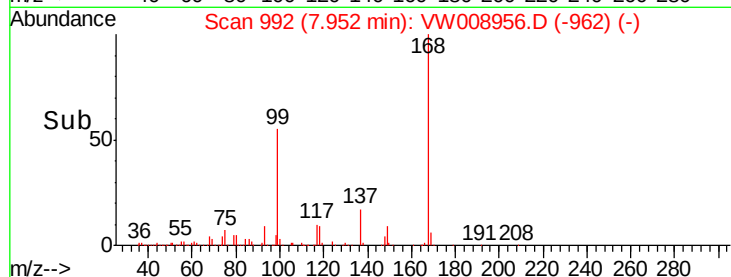
121 0.0 24.0 36.0#



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



#49

1,4-Dioxane

Concen: 1.039 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

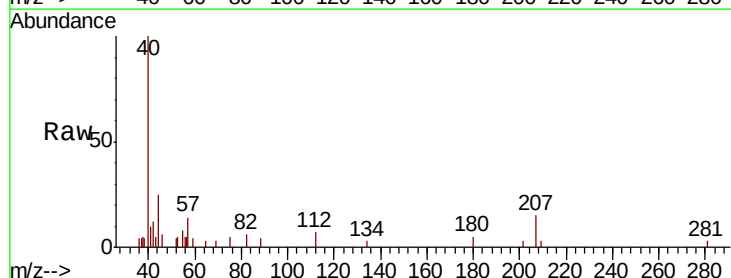
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

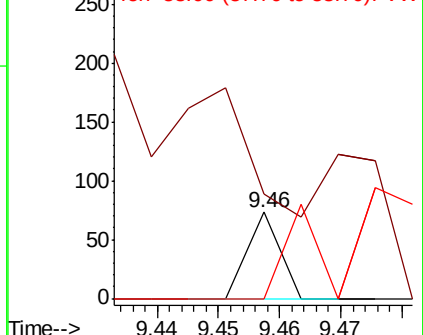
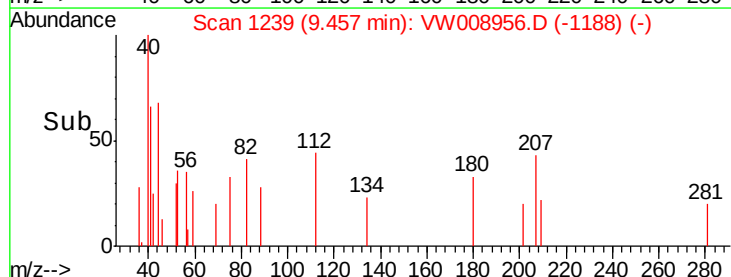
58 459.3 52.0 78.0#

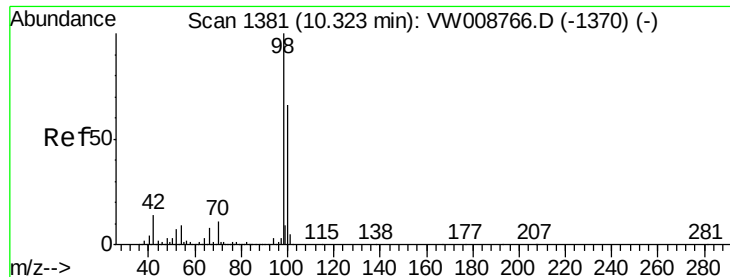


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.298 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

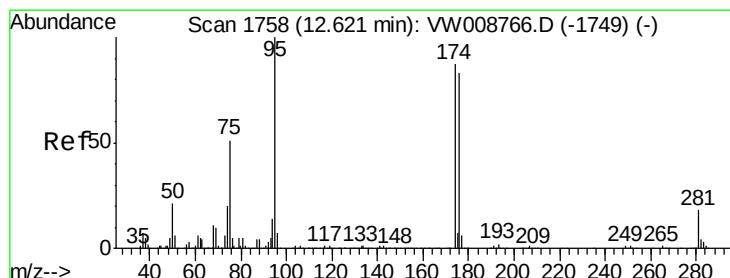
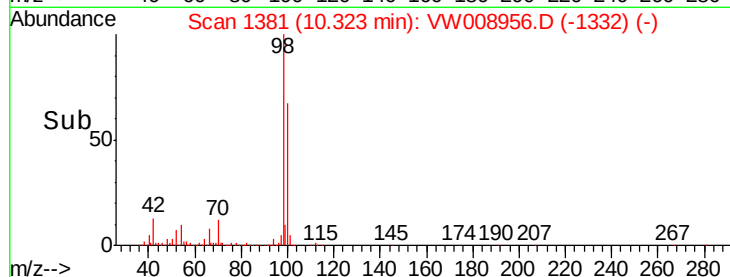
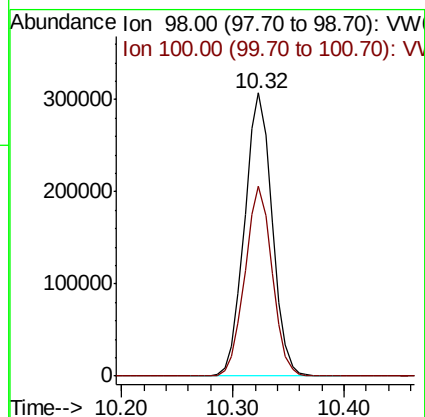
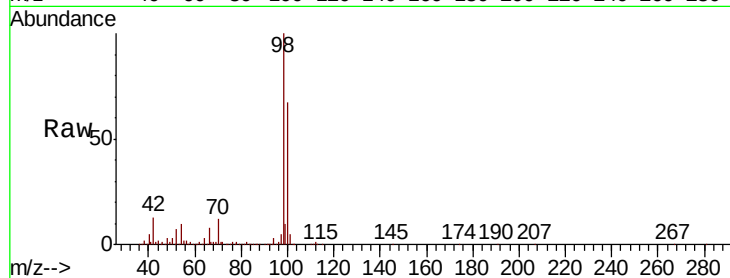
FK-GF-02-032-A

Tgt Ion: 98 Resp: 528364

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.031 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

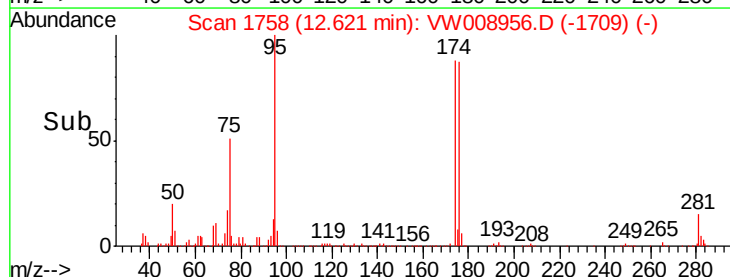
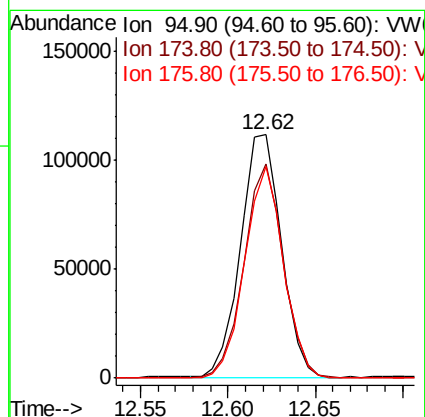
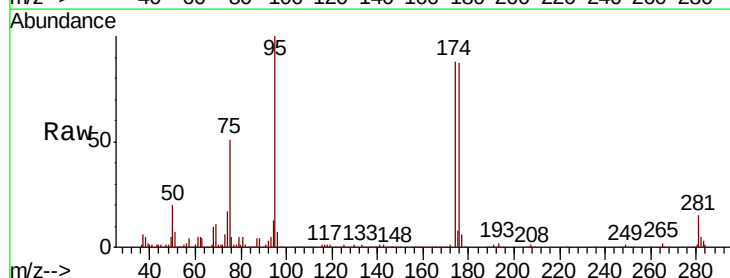
Tgt Ion: 95 Resp: 181603

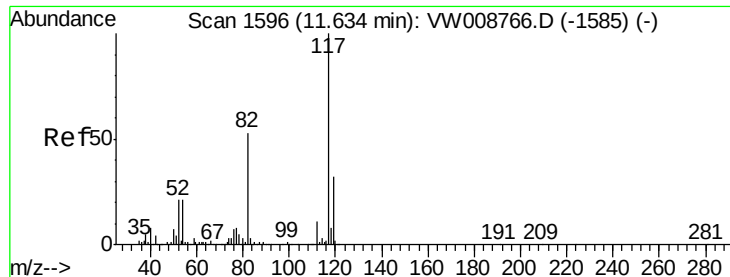
Ion Ratio Lower Upper

95 100

174 84.8 0.0 169.2

176 82.7 0.0 163.6

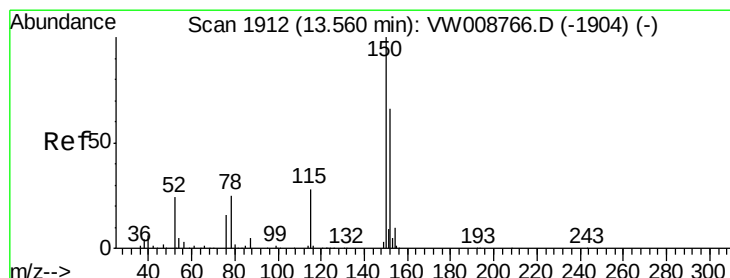
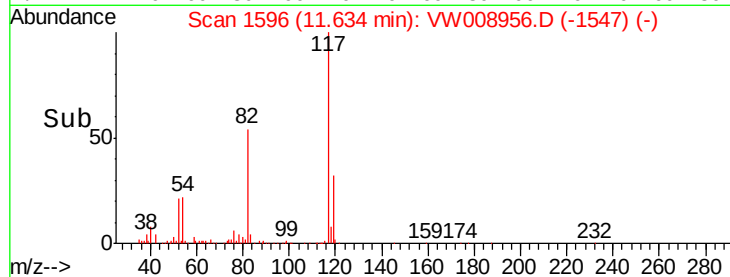
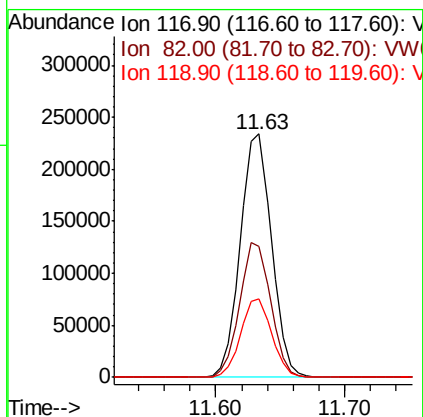
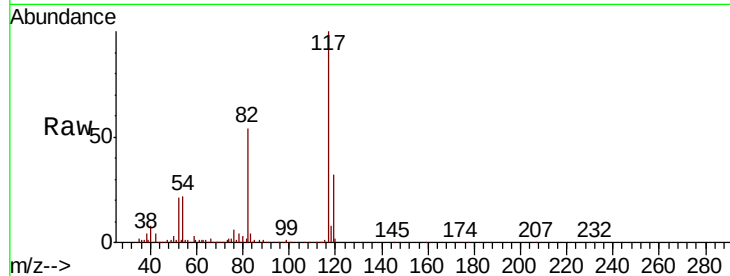




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

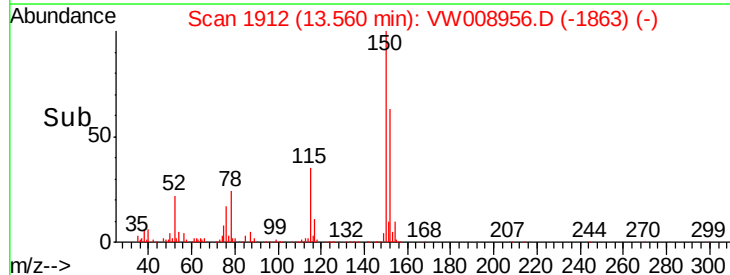
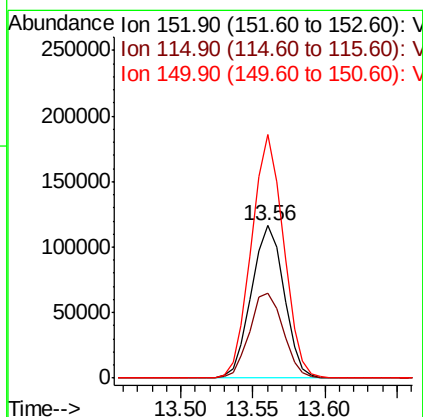
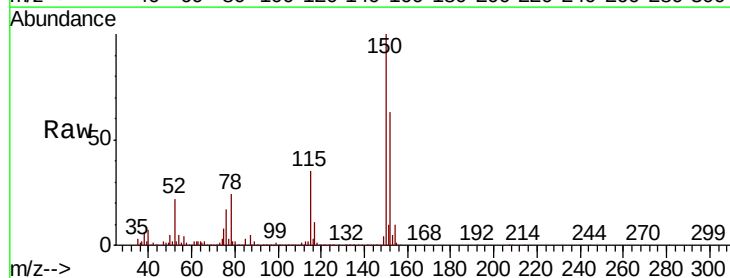
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-032-A

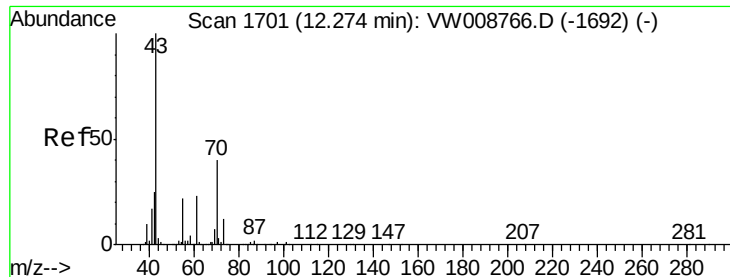
Tgt Ion:117 Resp: 392344
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 32.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008956.D
Acq: 02 Mar 2019 08:13

Tgt Ion:152 Resp: 183015
Ion Ratio Lower Upper
152 100
115 57.5 28.6 85.8
150 156.4 0.0 348.0





#74

N-ethyl acetate

Concen: 1.397 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW008956.D

Acq: 02 Mar 2019 08:13

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-032-A

Tgt Ion: 43 Resp: 4416

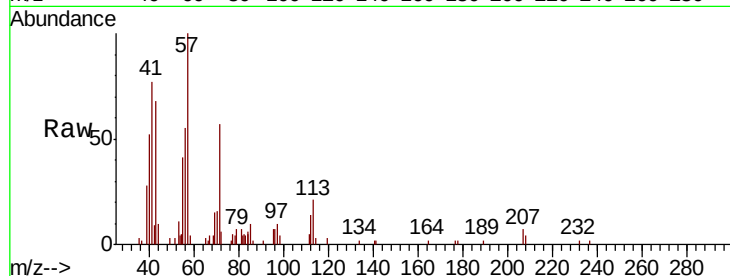
Ion Ratio Lower Upper

43 100

70 17.5 31.0 46.6#

55 24.9 18.7 28.1

61 0.0 18.1 27.1#

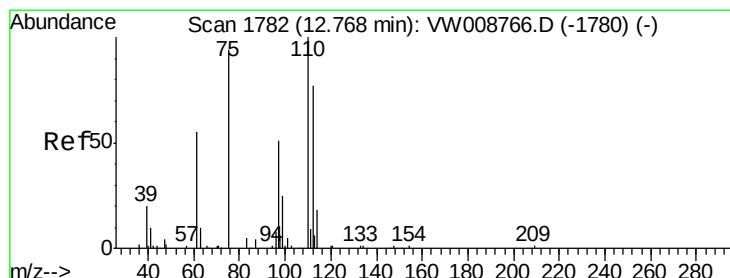
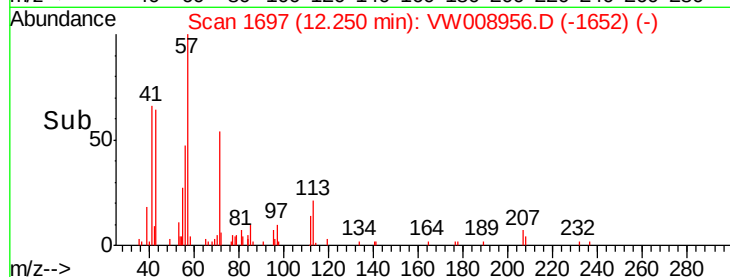
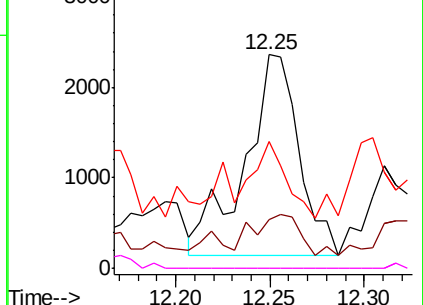


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 63.940 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008956.D

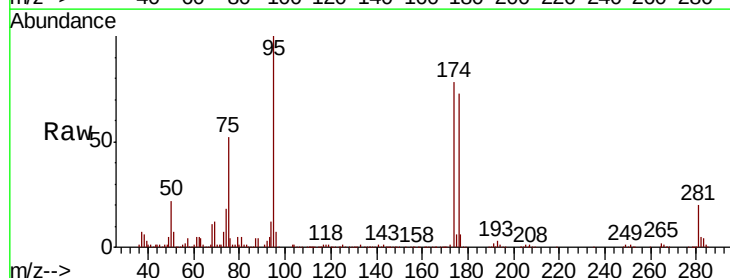
Acq: 02 Mar 2019 08:13

Tgt Ion: 75 Resp: 96616

Ion Ratio Lower Upper

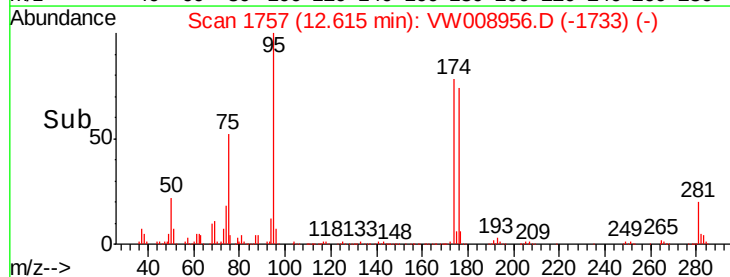
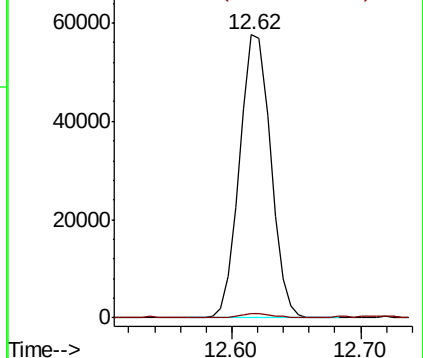
75 100

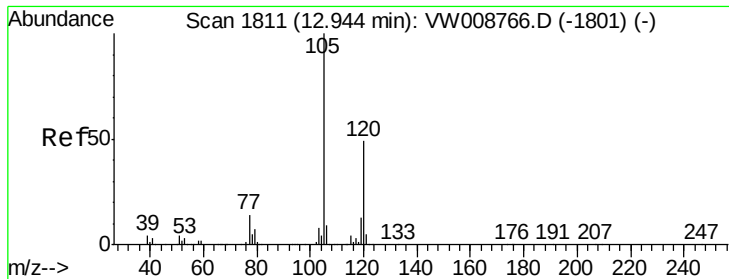
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

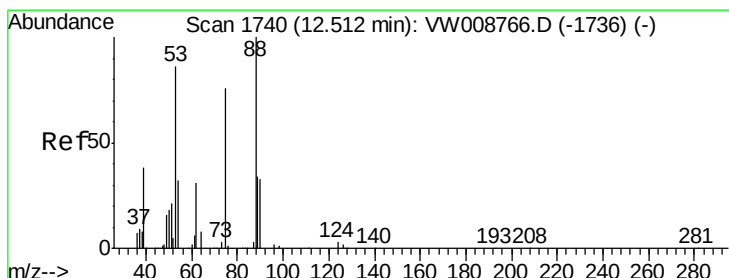
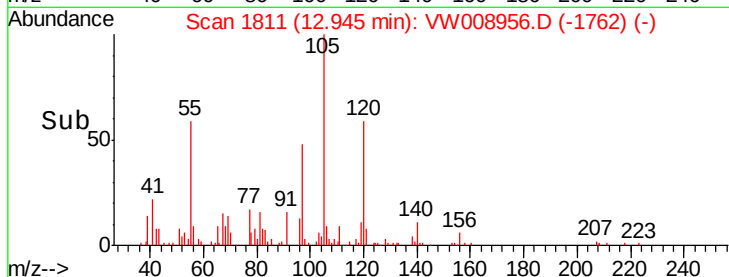
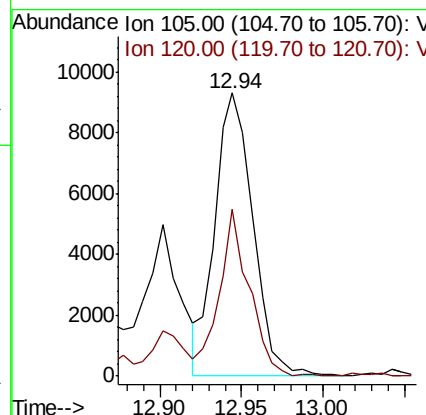
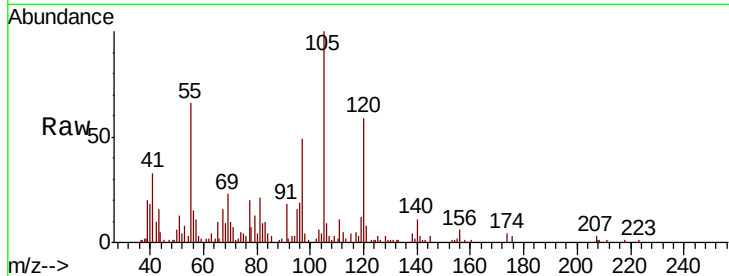




#80
 1,3,5-Trimethylbenzene
 Concen: 1.386 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008956.D
 Acq: 02 Mar 2019 08:13

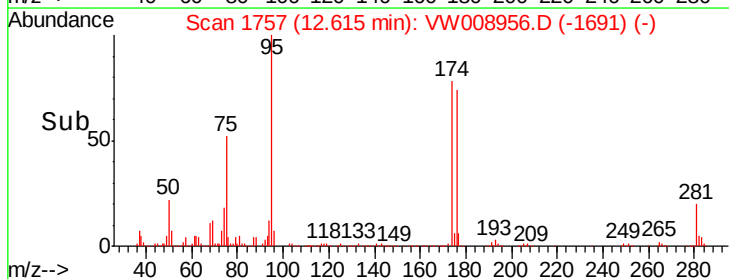
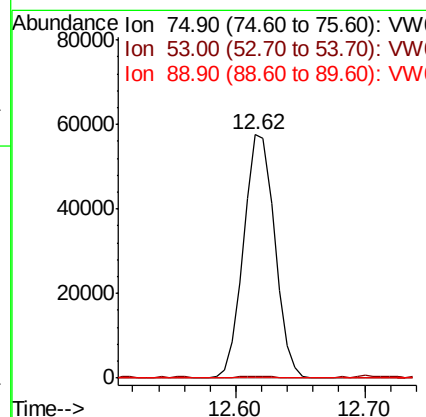
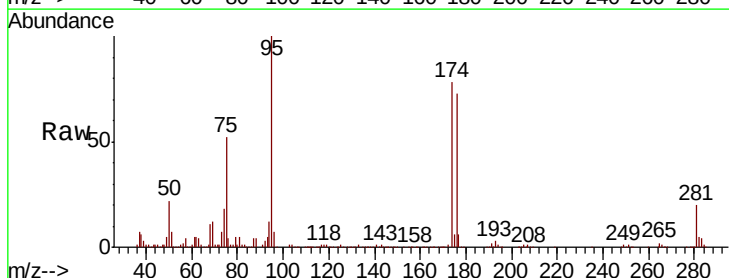
Instrument :
 MSVOA_W
 ClientSampled :
 FK-GF-02-032-A

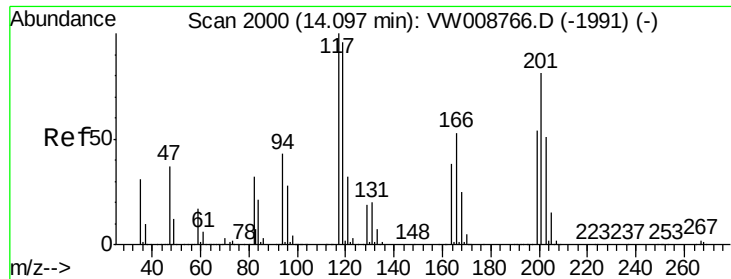
Tgt Ion: 105 Resp: 15110
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.444 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008956.D
 Acq: 02 Mar 2019 08:13

Tgt Ion: 75 Resp: 96616
 Ion Ratio Lower Upper
 75 100
 53 0.5 88.2 132.2#
 89 0.1 39.5 59.3#





#90
 Hexachloroethane
 Concen: 1.582 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW008956.D
 Acq: 02 Mar 2019 08:13

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-032-A

Tgt Ion:117 Resp: 3219
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.3 120.8#

