

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\
 Data File : VU039543.D
 Acq On : 17 Jul 2020 11:48
 Operator : SY/MD
 Sample : L3292-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA1

Quant Time: Jul 17 23:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	78618	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74989	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	35272	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20617	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.92	69	23675	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.58	63	31668	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.66	46	94116	45.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.28%
24) Chloroform-d	5.09	84	47781	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	31553	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.75	84	91931	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.71	67	32109	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.91	98	82156	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	8.19	79	12149	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.64	63	69312	41.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.44%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27466	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	32816	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

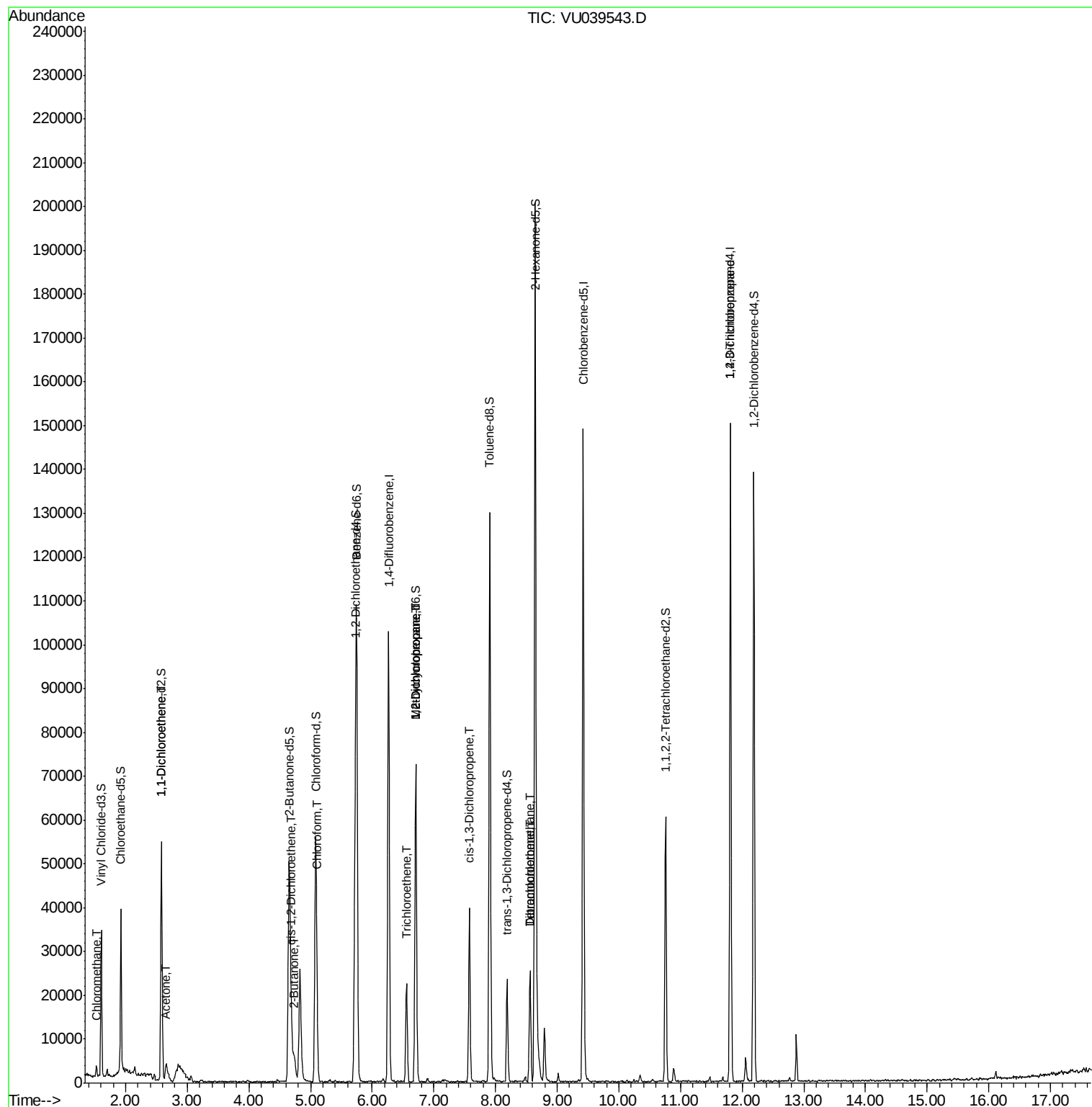
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1882	0.326	ug/L	93
12) 1,1-Dichloroethene	2.59	96	326	0.070	ug/L #	1
13) Acetone	2.66	43	6494	5.771	ug/L	67
21) 2-Butanone	4.74	43	8025	3.995	ug/L	75
22) cis-1,2-Dichloroethene	4.69	96	869	0.150	ug/L	98
25) Chloroform	5.11	83	3089	0.302	ug/L	96
34) Trichloroethene	6.56	95	7054	1.217	ug/L	93
35) Methylcyclohexane	6.70	83	7083	0.763	ug/L #	22
37) 1,2-Dichloropropane	6.70	63	4039	0.661	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1042	0.113	ug/L #	70
47) Tetrachloroethene	8.56	164	4698	1.165	ug/L	92
49) Dibromochloromethane	8.56	129	5139	0.966	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5665	1.258	ug/L	95

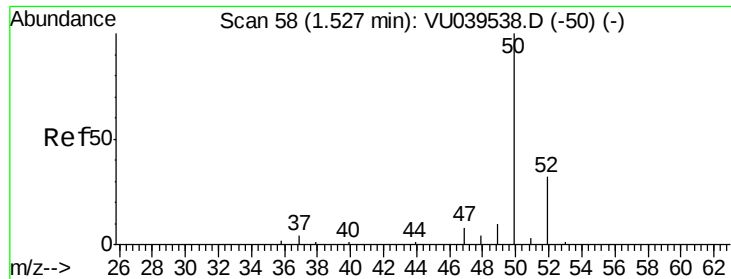
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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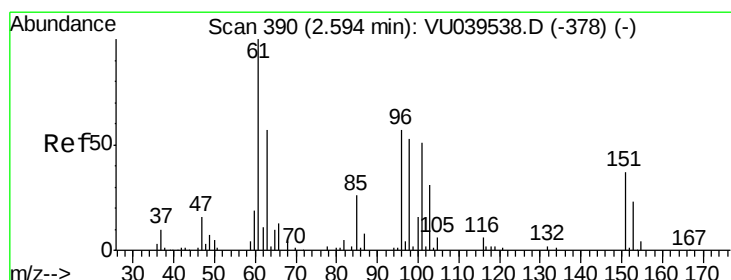
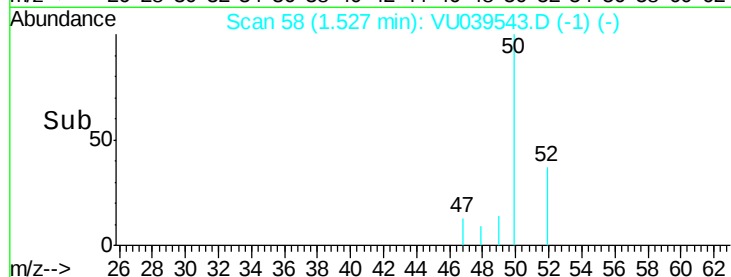
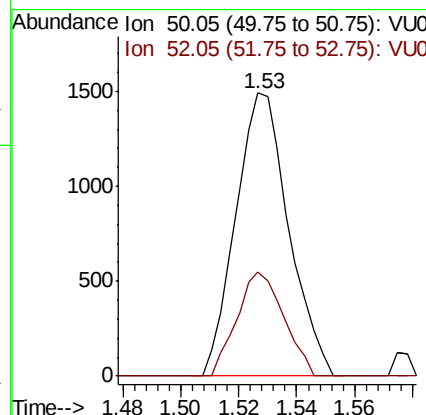
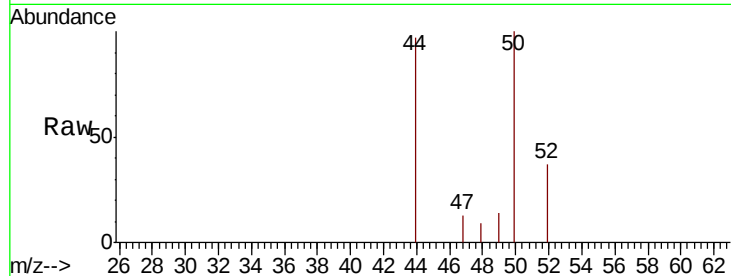




#3
 Chloromethane
 Concen: 0.326 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

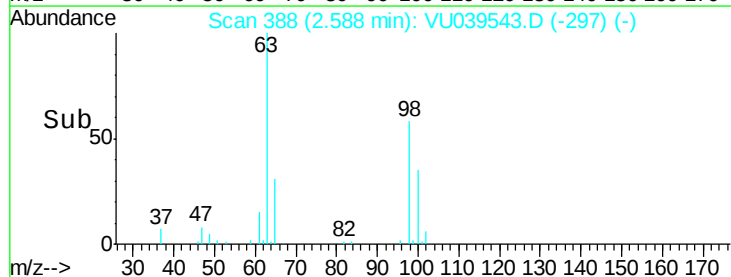
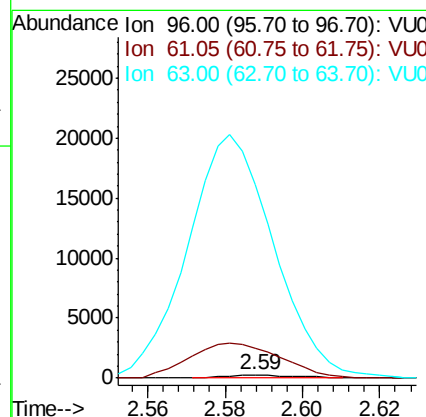
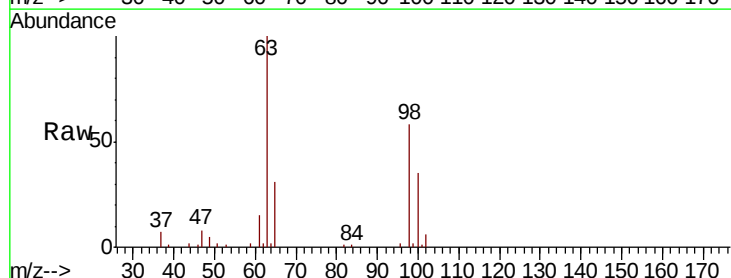
Instrument :
 MSVOA_U
 ClientSampleId :
 BFTA1

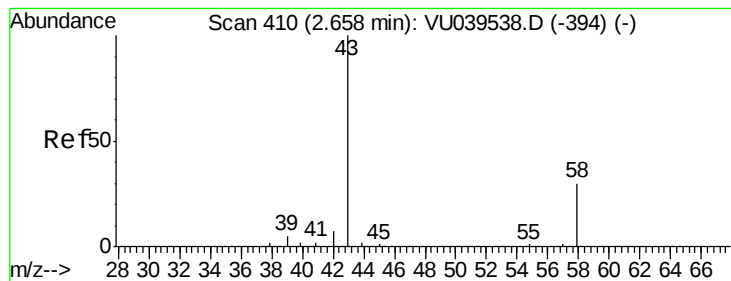
Tot Ion: 50 Resp: 1882
 Ion Ratio Lower Upper
 50 100
 52 36.8 23.0 42.8



#12
 1,1-Dichloroethene
 Concen: 0.070 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

Tgt Ion: 96 Resp: 326
 Ion Ratio Lower Upper
 96 100
 61 864.6 125.4 232.8#
 63 5661.1 92.7 172.3#





#13

Acetone

Concen: 5.771 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039543.D

Acq: 17 Jul 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

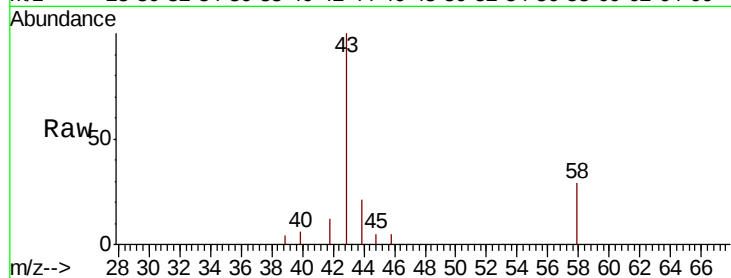
BFTA1

Tot Ion: 43 Resp: 6494

Ion Ratio Lower Upper

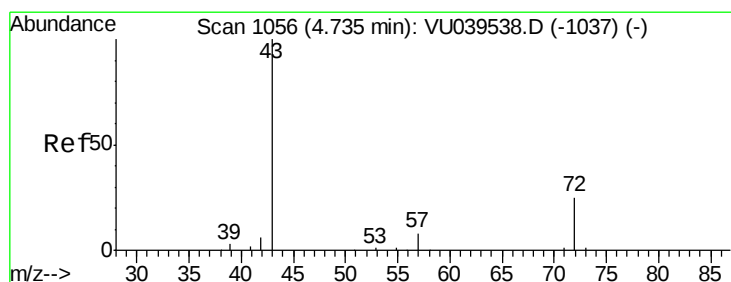
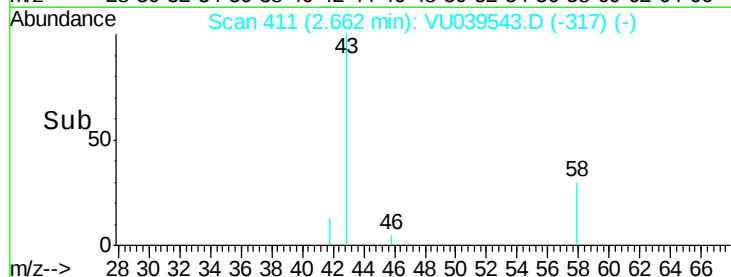
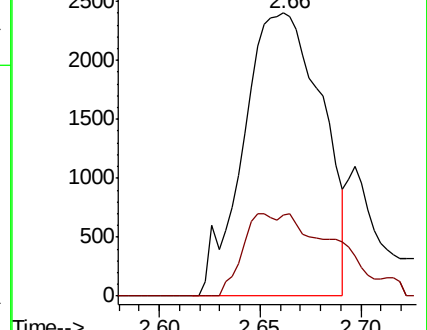
43 100

58 13.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039538.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU039538.D (-394) (-)



#21

2-Butanone

Concen: 3.995 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039543.D

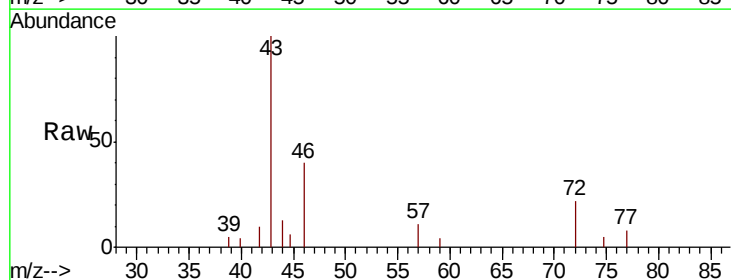
Acq: 17 Jul 2020 11:48

Tgt Ion: 43 Resp: 8025

Ion Ratio Lower Upper

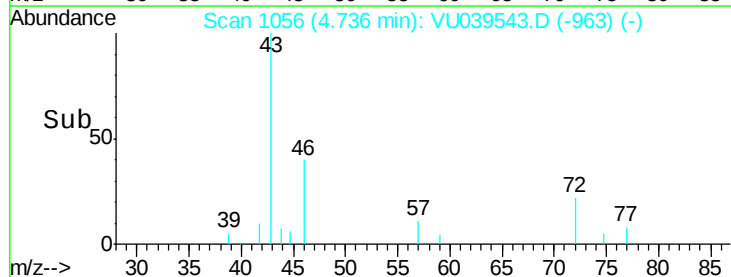
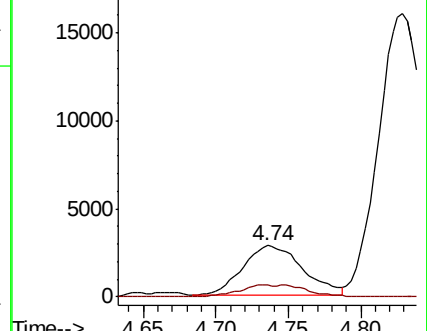
43 100

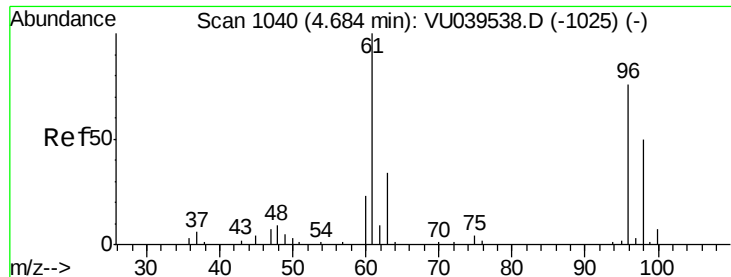
72 13.5 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039538.D (-1037) (-)

Ion 72.10 (71.80 to 72.80): VU039538.D (-1037) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.150 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU039543.D

Acq: 17 Jul 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

BFTA1

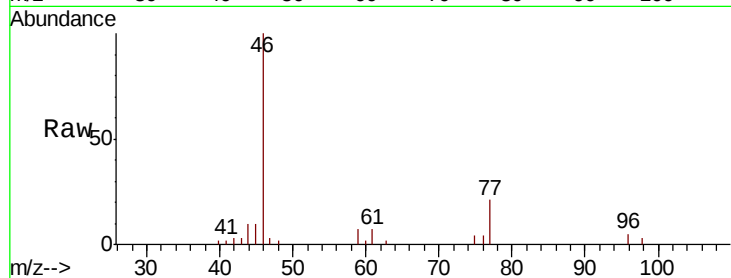
Tot Ion: 96 Resp: 869

Ion Ratio Lower Upper

96 100

61 130.4 92.8 172.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039543.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039543.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039543.D (-947) (-)

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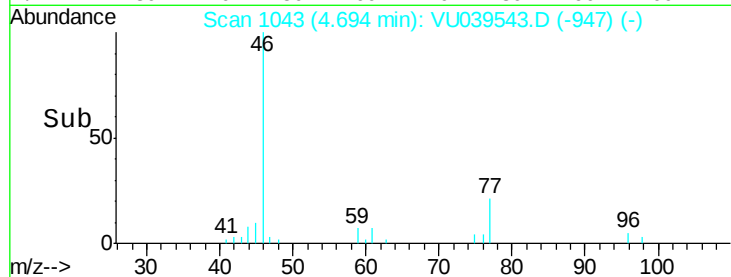
4.69

4.69

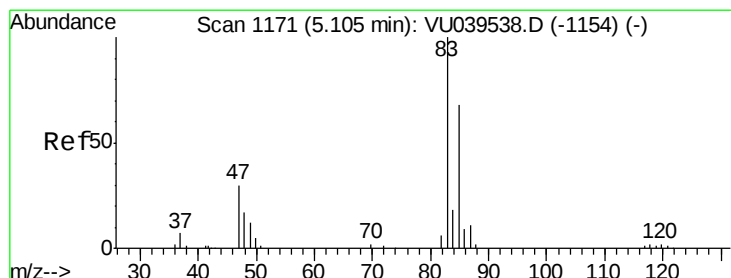
4.69

4.69

4.69



Time-->



#25

Chloroform

Concen: 0.302 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039543.D

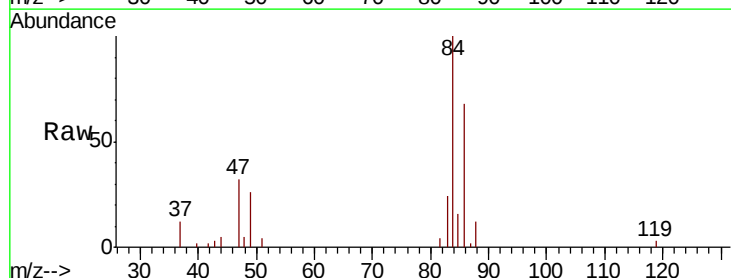
Acq: 17 Jul 2020 11:48

Tgt Ion: 83 Resp: 3089

Ion Ratio Lower Upper

83 100

85 67.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039543.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039543.D (-1078) (-)

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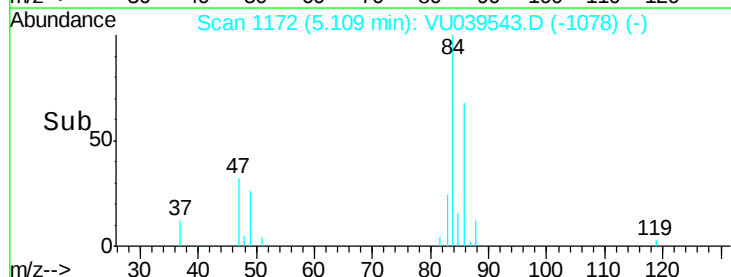
5.11

5.11

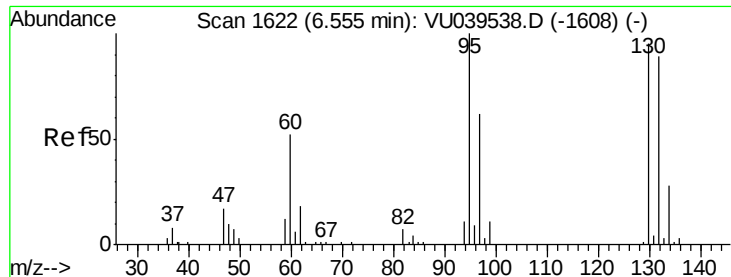
5.11

5.11

5.11



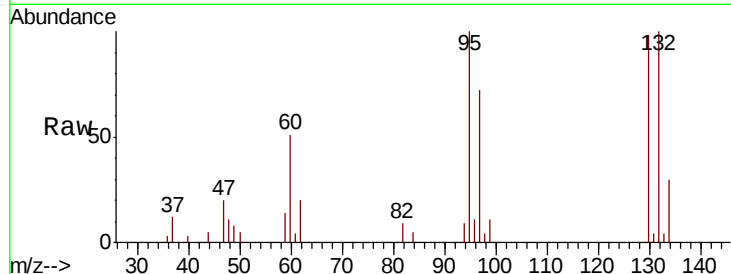
Time-->



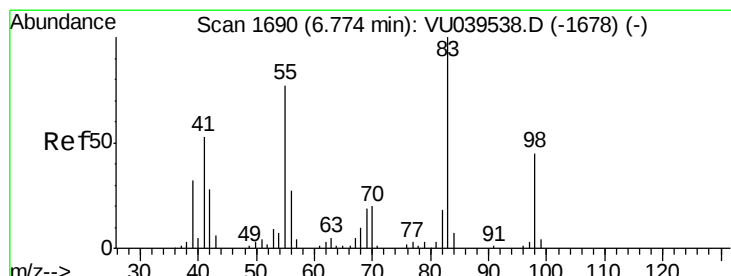
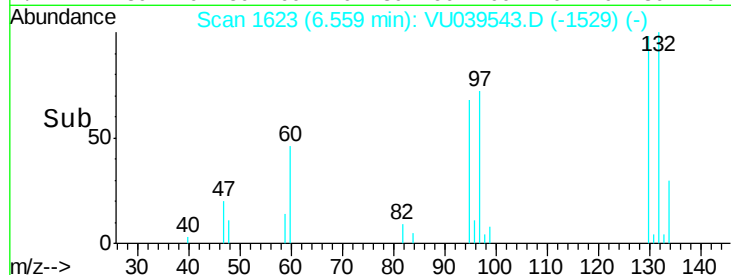
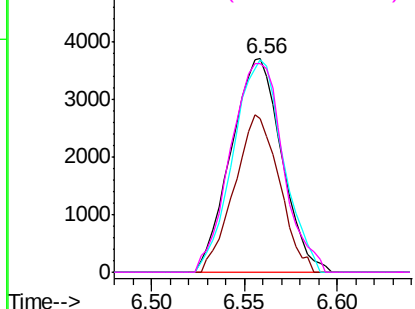
#34
 Trichloroethene
 Concen: 1.217 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

Instrument :
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 ClientSampled :
 BFTA1

Tot Ion: 95 Resp: 7054
 Ion Ratio Lower Upper
 95 100
 97 71.9 46.3 85.9
 132 99.6 64.0 118.8
 130 97.6 64.3 119.5

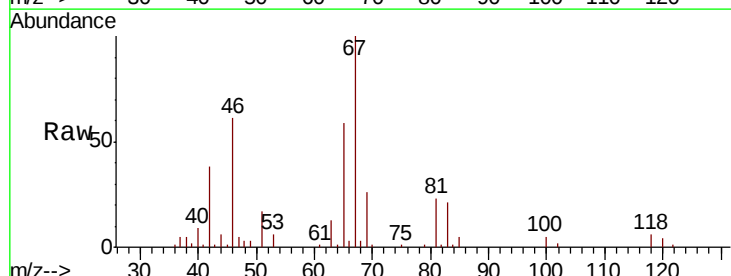


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

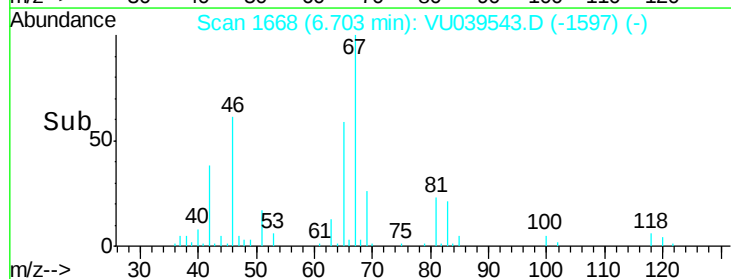
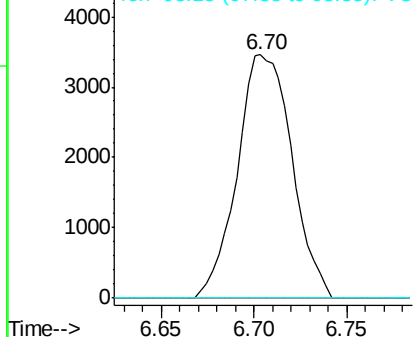


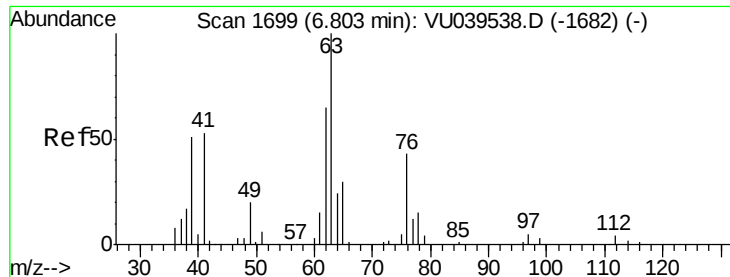
#35
 Methylcyclohexane
 Concen: 0.763 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

Tgt Ion: 83 Resp: 7083
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 6.5 35.9 53.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

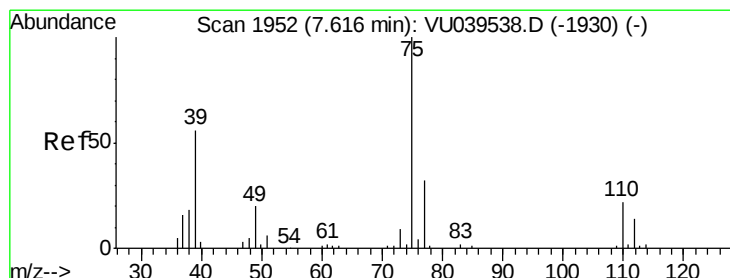
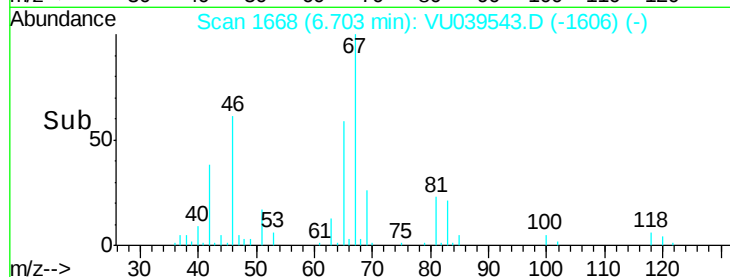
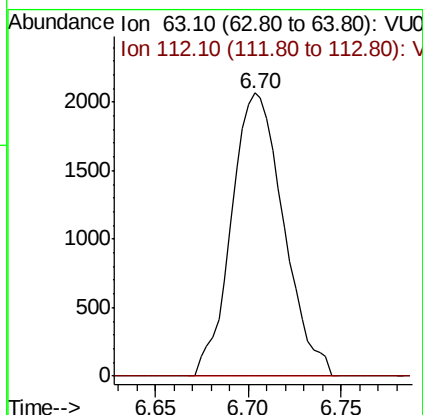
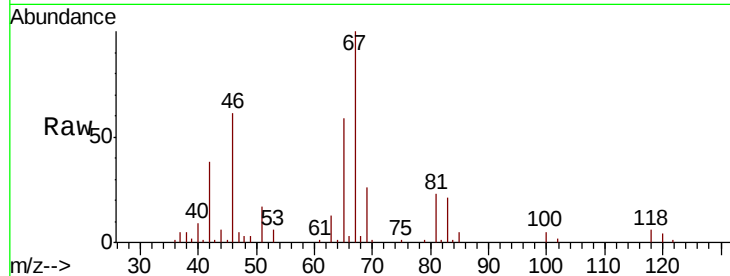




#37
 1,2-Dichloropropane
 Concen: 0.661 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

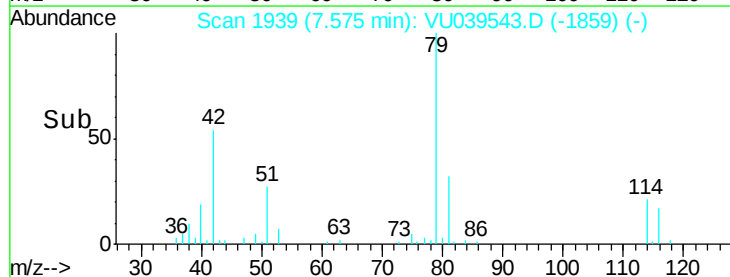
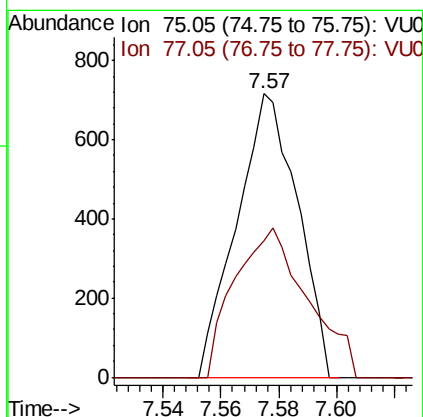
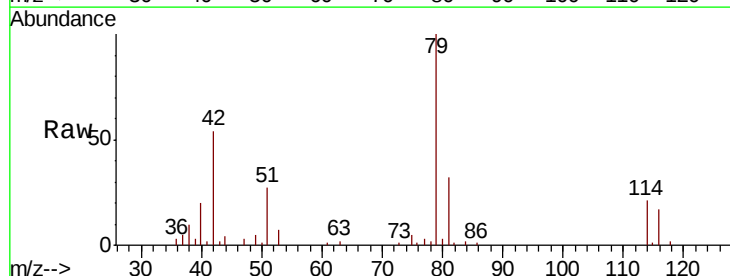
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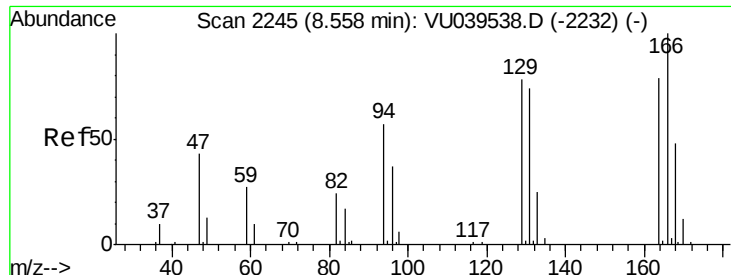
Tot Ion: 63 Resp: 4039
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039543.D
 Acq: 17 Jul 2020 11:48

Tgt Ion: 75 Resp: 1042
 Ion Ratio Lower Upper
 75 100
 77 48.3 22.3 41.3#





#47

Tetrachloroethene

Concen: 1.165 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039543.D

Acq: 17 Jul 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

BFTA1

Tot Ion:164 Resp: 4698

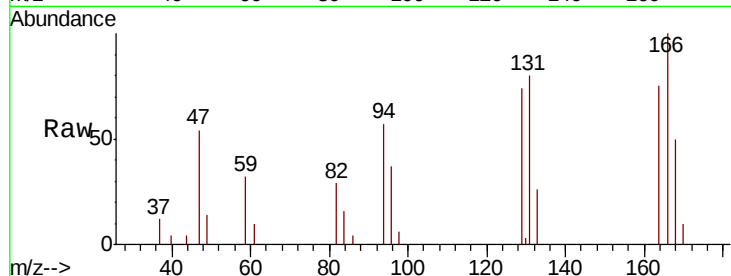
Ion Ratio Lower Upper

164 100

129 99.7 68.6 127.4

131 106.9 66.4 123.4

166 134.0 85.9 159.5

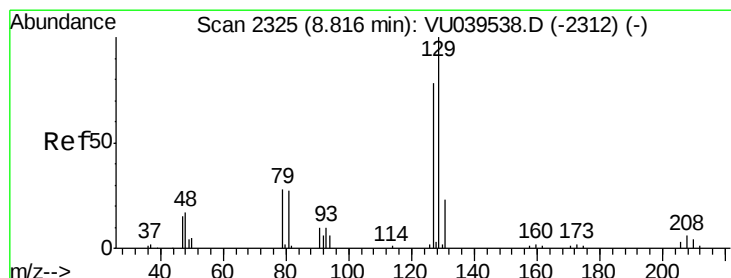
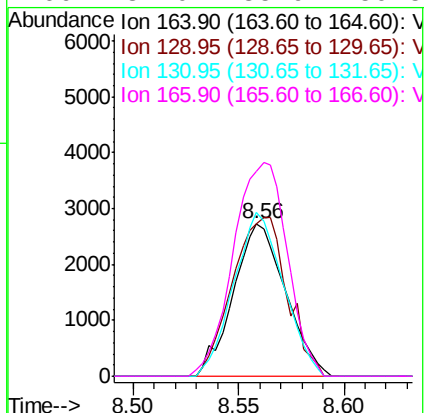
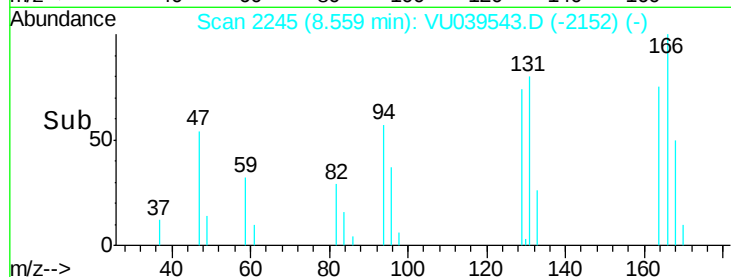


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.966 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039543.D

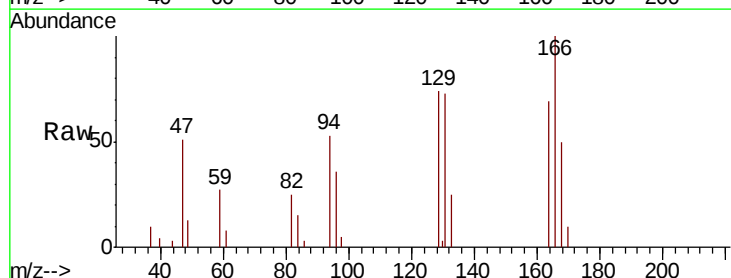
Acq: 17 Jul 2020 11:48

Tgt Ion:129 Resp: 5139

Ion Ratio Lower Upper

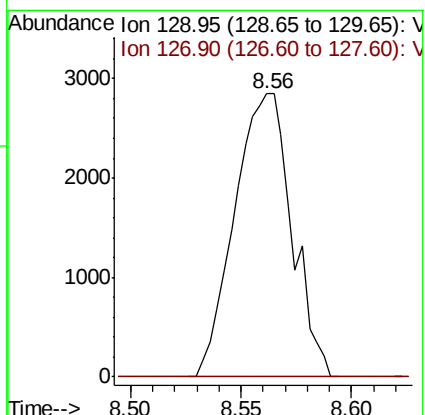
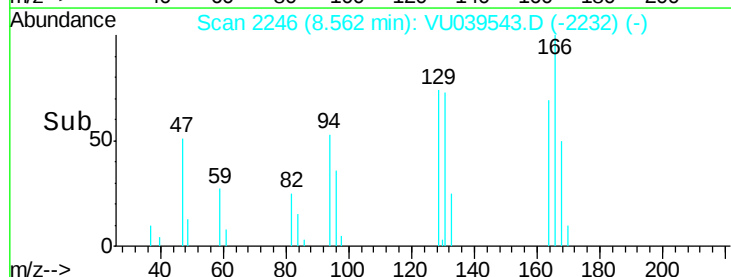
129 100

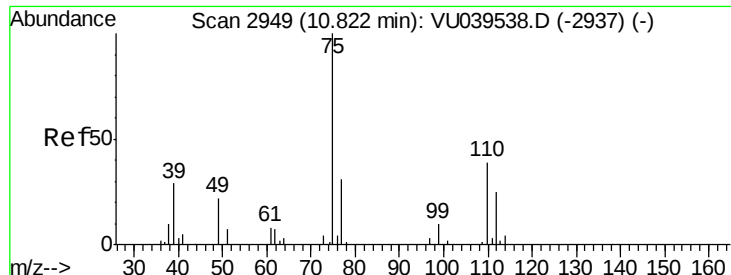
127 0.0 55.4 102.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.258 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039543.D

Acq: 17 Jul 2020 11:48

Instrument :

MSVOA_U

ClientSampleId :

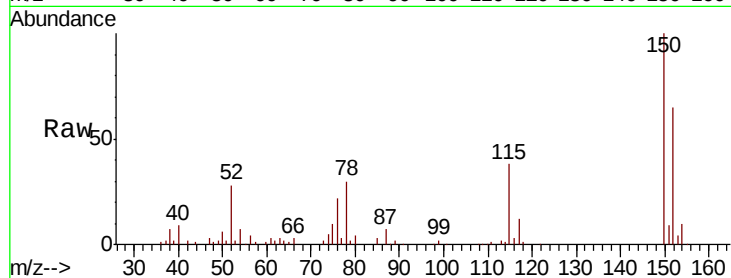
BFTA1

Tot Ion: 75 Resp: 5665

Ion Ratio Lower Upper

75 100

77 36.5 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

