

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038922.D
 Acq On : 16 Jun 2020 14:45
 Operator : SY/MD
 Sample : L2975-10RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q4

Quant Time: Jun 17 02:02:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293796	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296896	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	82569	5.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.80%
7) Chloroethane-d5	1.93	69	78859	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.59	63	141143	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	4.69	46	310011	58.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.02%
24) Chloroform-d	5.10	84	180715	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.74	65	109322	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.76	84	354327	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.72	67	109312	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.92	98	299243	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.20	79	43902	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.66	63	263098	58.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.22%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93526	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	118609	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

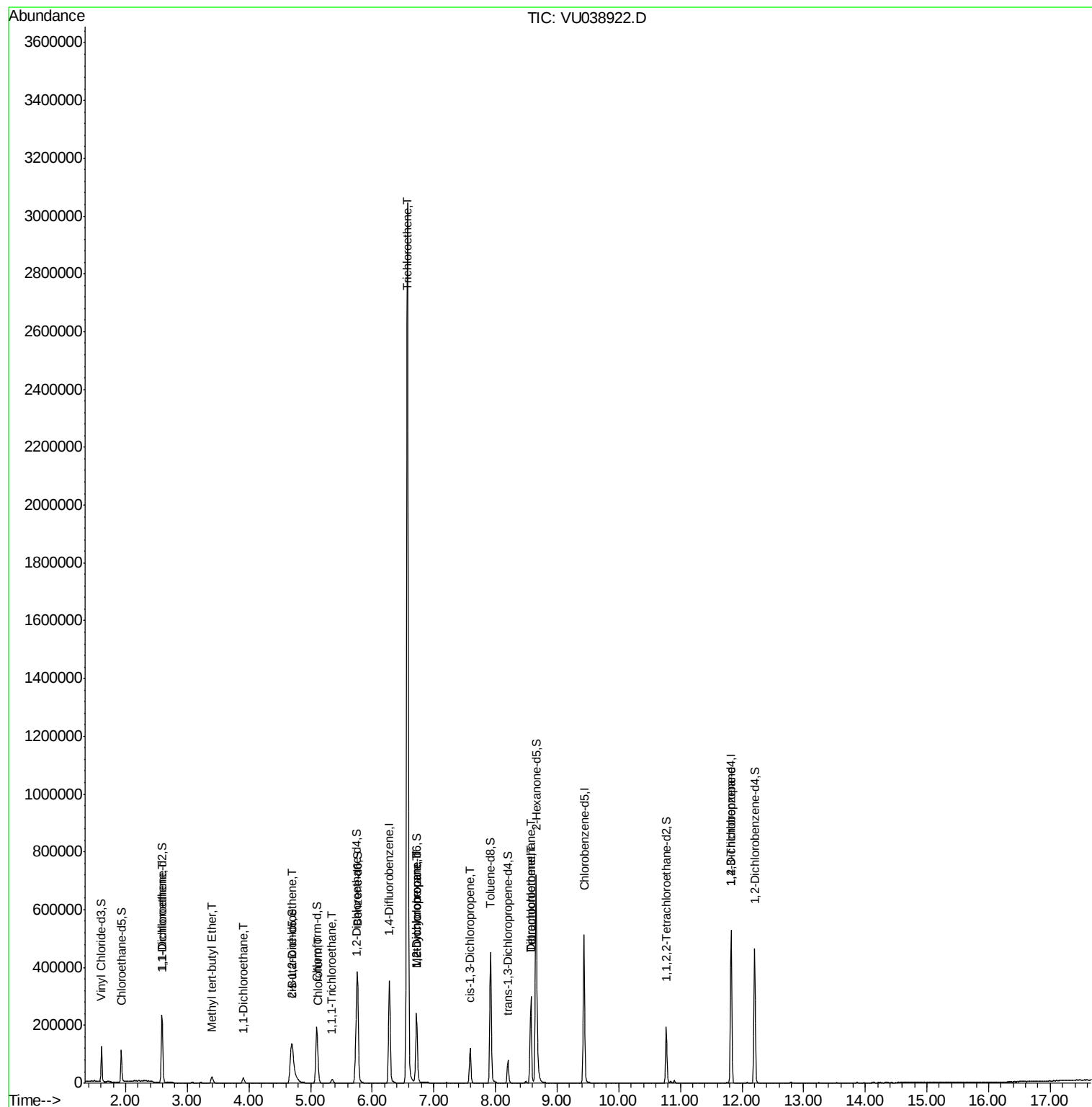
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	4739	0.228	ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	22895	0.432	ug/L	98
19) 1,1-Dichloroethane	3.91	63	20165	0.500	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	18311	0.796	ug/L	84
25) Chloroform	5.13	83	13865	0.330	ug/L	93
29) 1,1,1-Trichloroethane	5.35	97	9298	0.253	ug/L	96
34) Trichloroethene	6.57	95	1028365	44.658	ug/L	97
35) Methylcyclohexane	6.72	83	26387	0.769	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12217	0.537	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3136	0.096	ug/L #	68
47) Tetrachloroethene	8.57	164	67837	3.844	ug/L	97
49) Dibromochloromethane	8.57	129	62521	3.098	ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	16924	0.965	ug/L	93

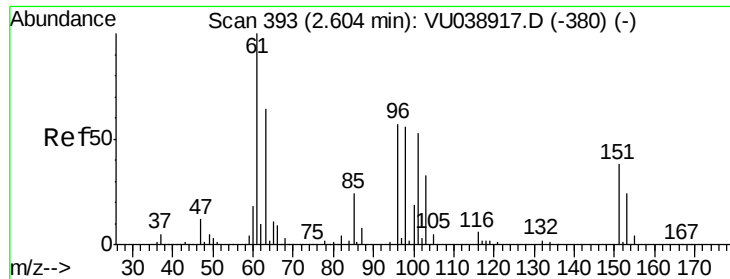
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.228 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038922.D

Acq: 16 Jun 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4

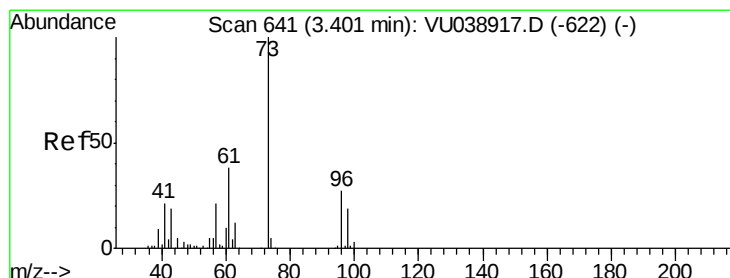
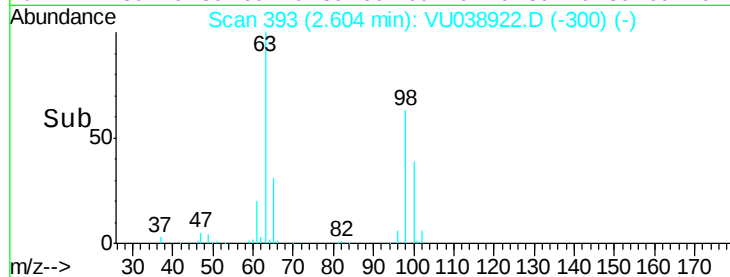
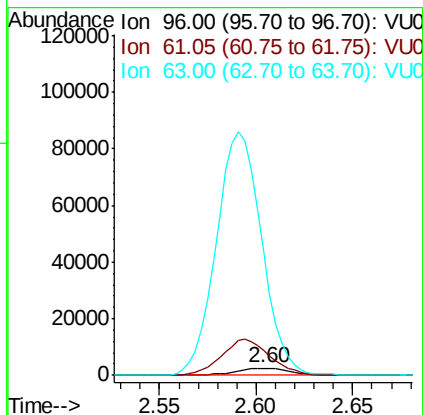
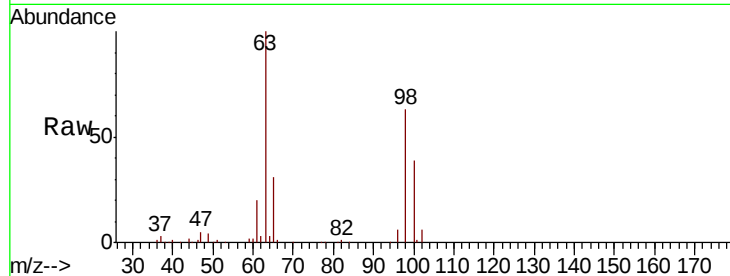
Tot Ion: 96 Resp: 4739

Ion Ratio Lower Upper

96 100

61 347.1 124.9 232.1#

63 1703.4 79.1 146.9#



#17

Methyl tert-butyl Ether

Concen: 0.432 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038922.D

Acq: 16 Jun 2020 14:45

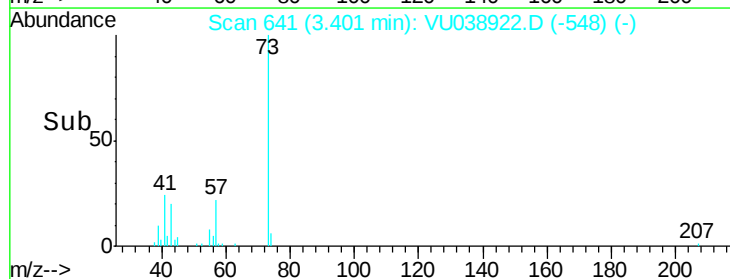
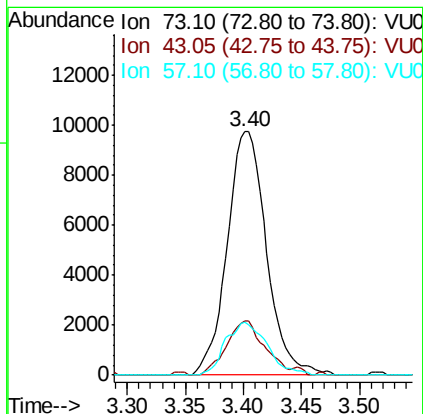
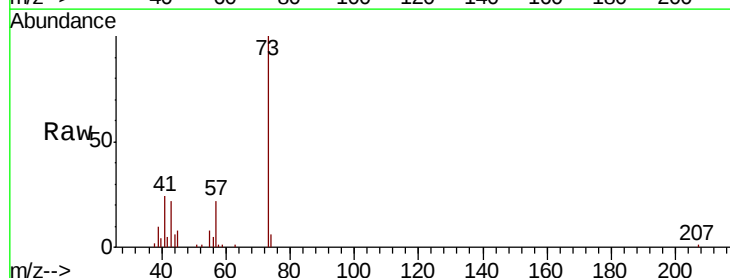
Tgt Ion: 73 Resp: 22895

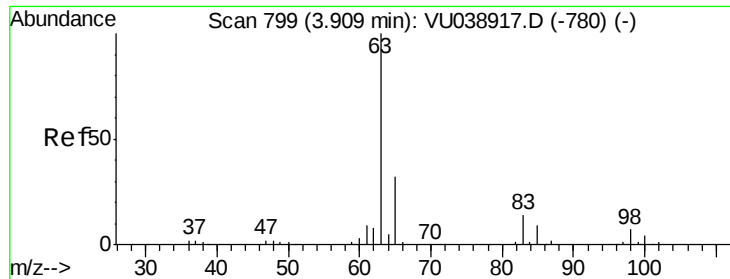
Ion Ratio Lower Upper

73 100

43 21.6 16.6 24.8

57 23.1 17.5 26.3

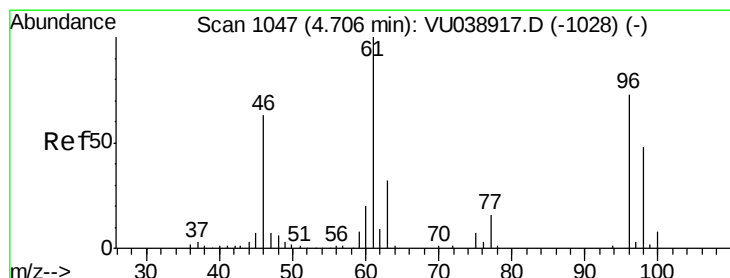
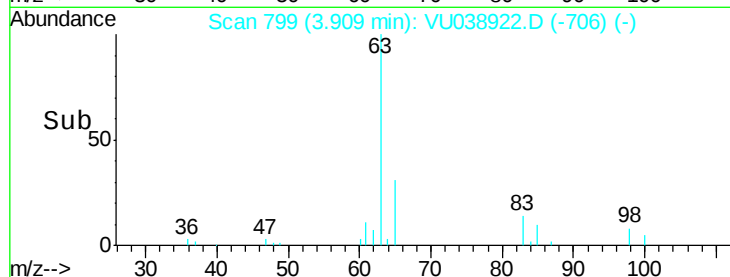
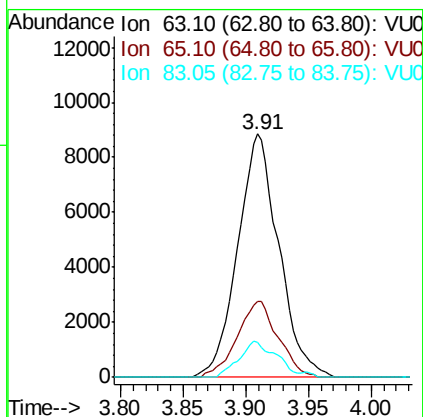
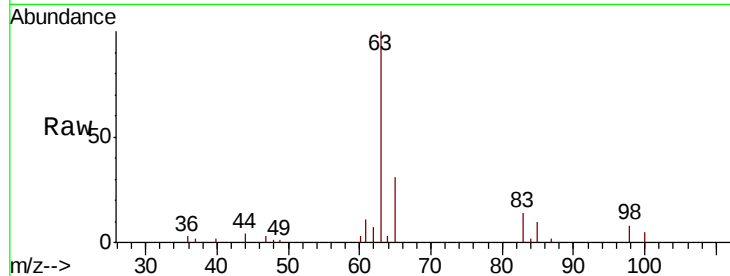




#19
 1,1-Dichloroethane
 Concen: 0.500 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

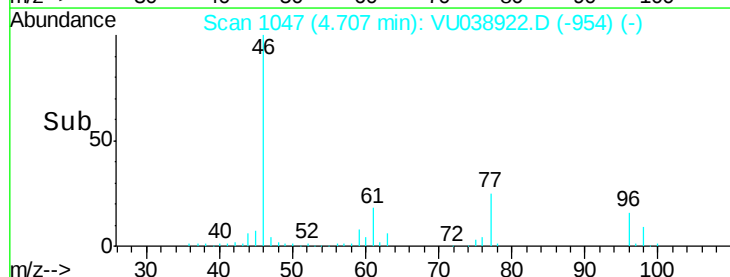
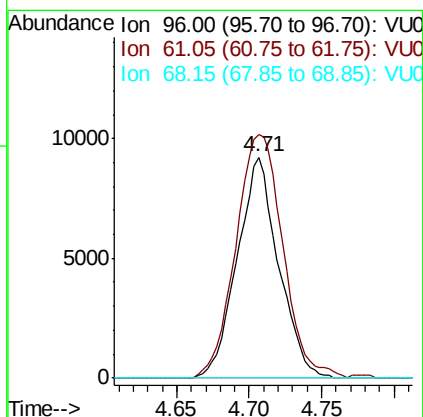
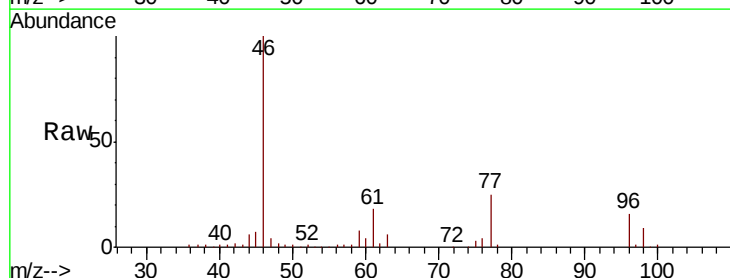
Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q4

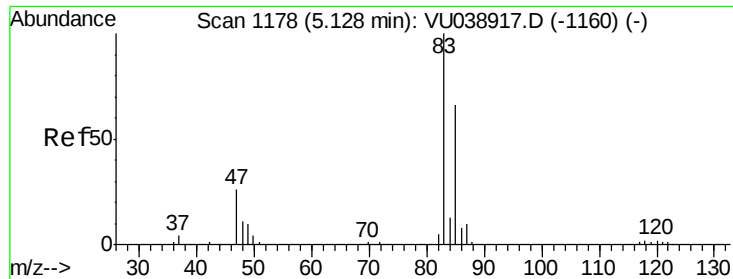
Tot Ion: 63 Resp: 20165
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 14.2 9.5 17.7



#22
 cis-1,2-Dichloroethene
 Concen: 0.796 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

Tgt Ion: 96 Resp: 18311
 Ion Ratio Lower Upper
 96 100
 61 110.3 90.5 168.1
 68 0.0 0.0 0.0

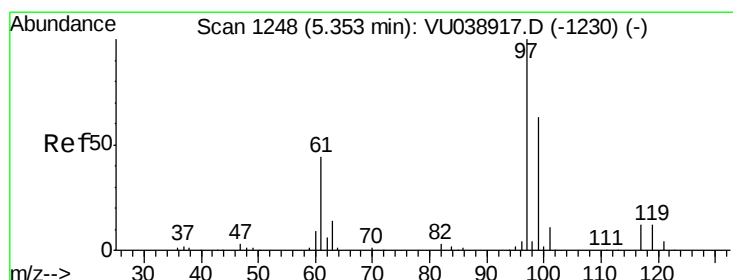
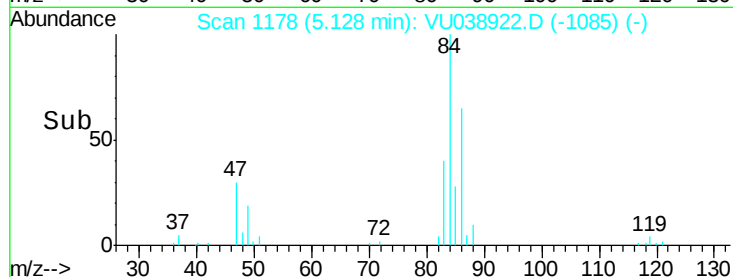
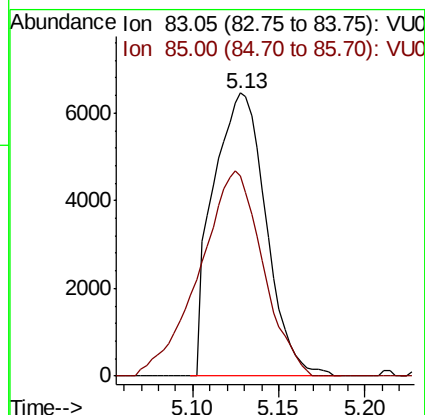
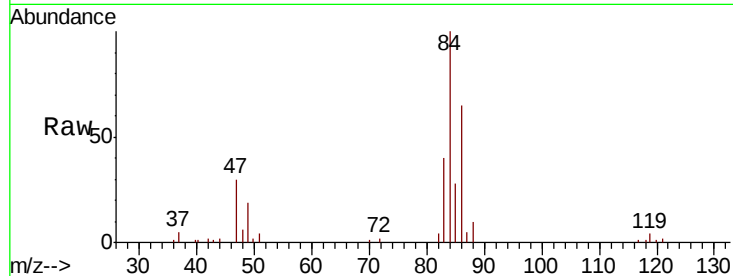




#25
Chloroform
Concen: 0.330 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

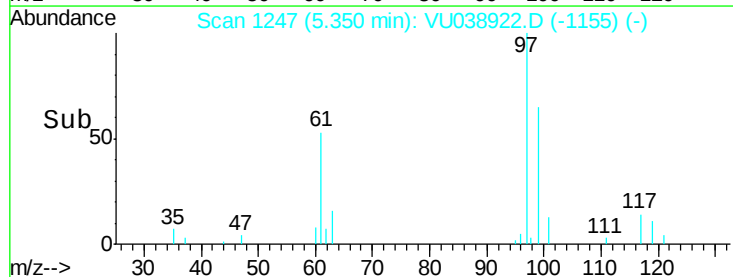
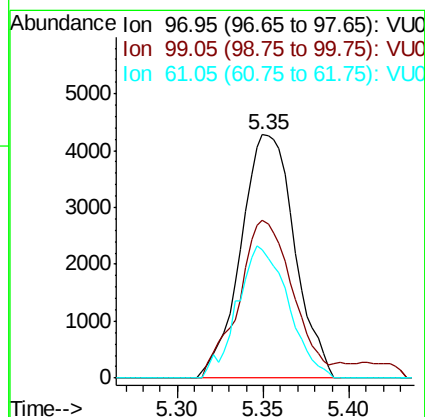
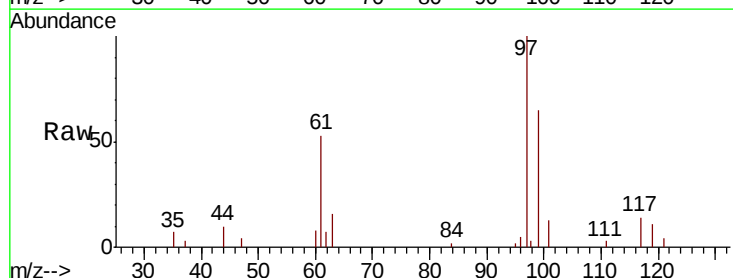
Instrument :
MSVOA_U
ClientSampleId :
BF8Q4

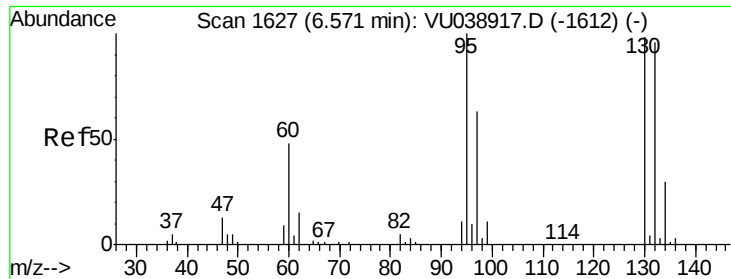
Tot Ion: 83 Resp: 13865
Ion Ratio Lower Upper
83 100
85 70.7 45.8 85.2



#29
1,1,1-Trichloroethane
Concen: 0.253 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038922.D
Acq: 16 Jun 2020 14:45

Tgt Ion: 97 Resp: 9298
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.2
61 51.4 36.3 54.5

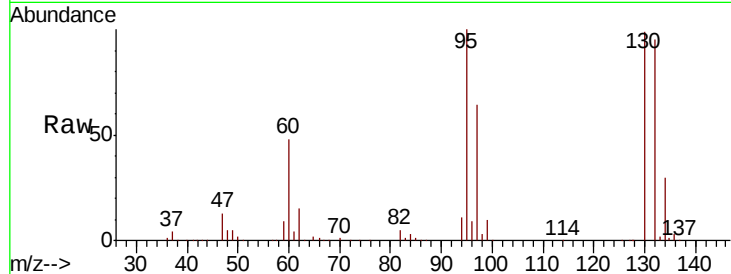




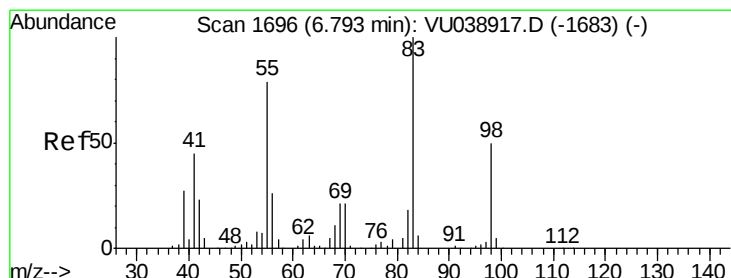
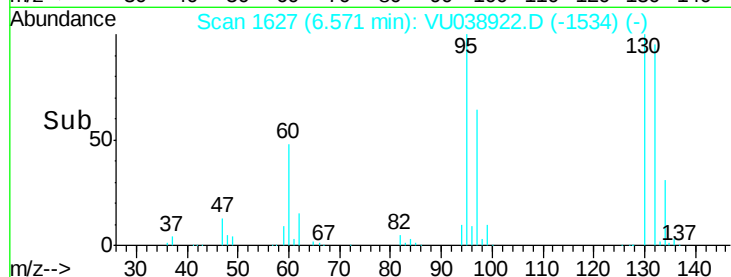
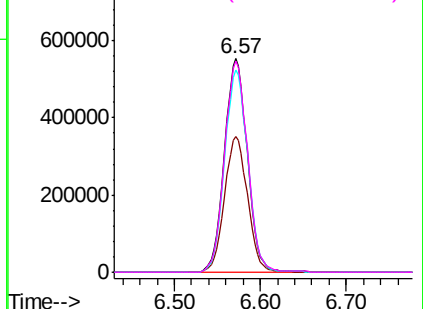
#34
 Trichloroethene
 Concen: 44.658 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion: 95 Resp: 1028365
 Ion Ratio Lower Upper
 95 100
 97 63.7 46.1 85.5
 132 94.8 68.2 126.6
 130 99.0 71.0 131.9

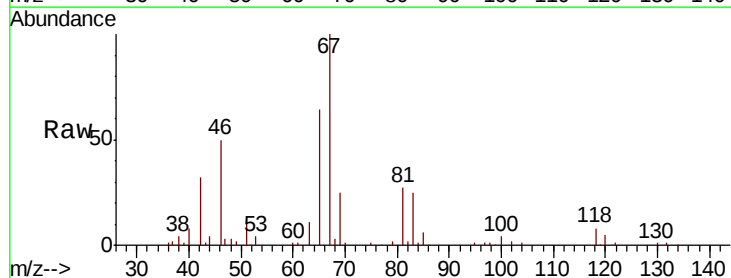


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

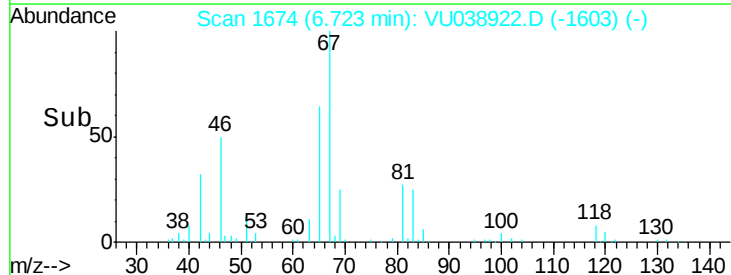
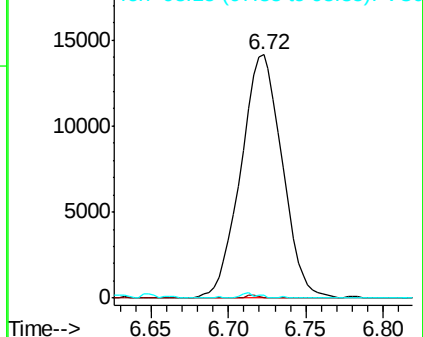


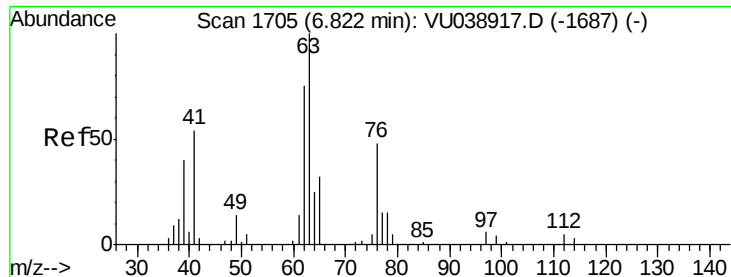
#35
 Methylcyclohexane
 Concen: 0.769 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

Tgt Ion: 83 Resp: 26387
 Ion Ratio Lower Upper
 83 100
 55 0.4 63.6 95.4#
 98 0.0 38.9 58.3#



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

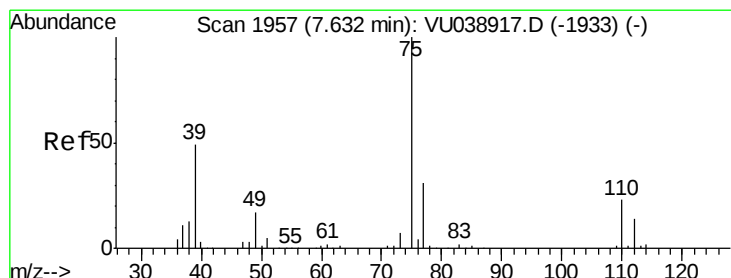
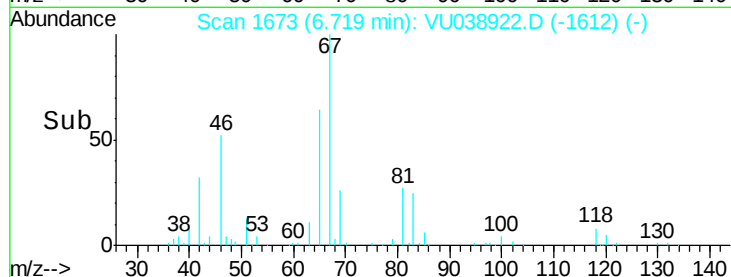
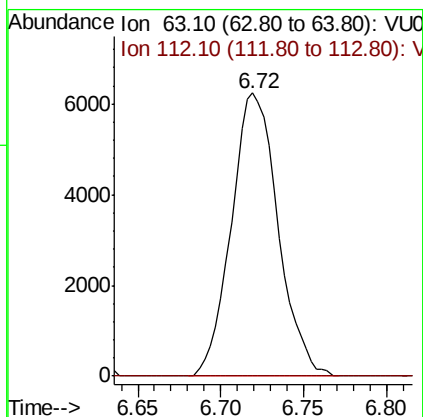
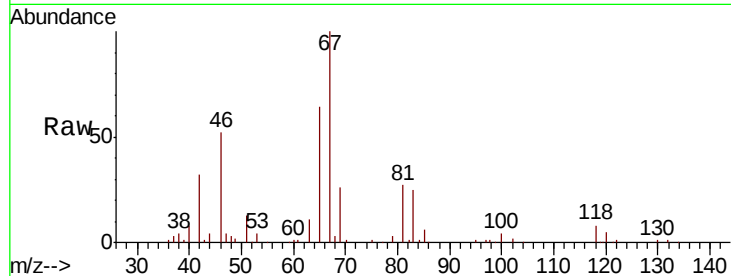




#37
 1,2-Dichloropropane
 Concen: 0.537 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

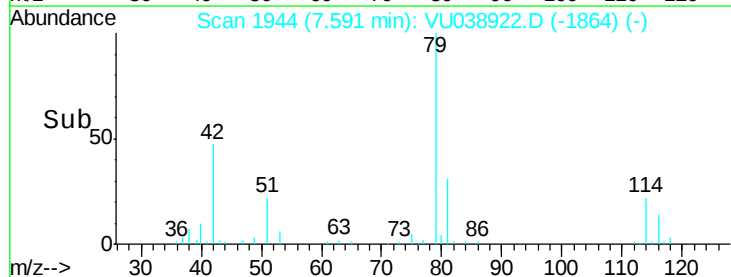
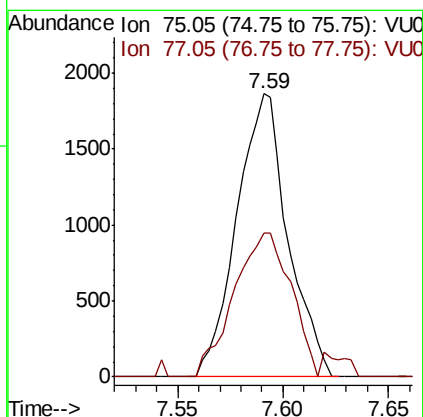
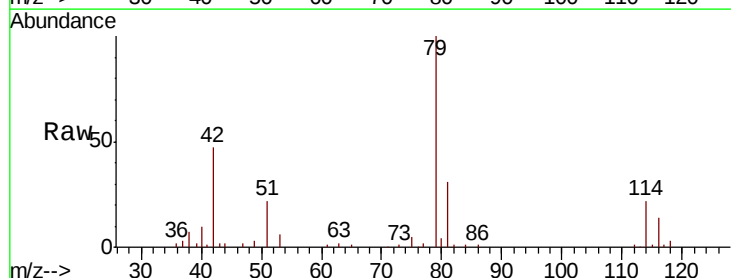
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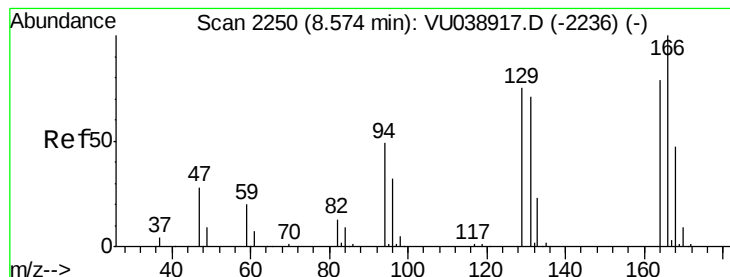
Tot Ion: 63 Resp: 12217
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038922.D
 Acq: 16 Jun 2020 14:45

Tgt Ion: 75 Resp: 3136
 Ion Ratio Lower Upper
 75 100
 77 50.9 23.0 42.6#





#47

Tetrachloroethene

Concen: 3.844 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038922.D

Acq: 16 Jun 2020 14:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4

Tot Ion:164 Resp: 67837

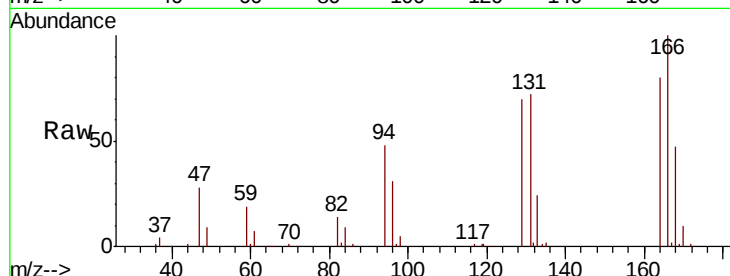
Ion Ratio Lower Upper

164 100

129 87.4 65.5 121.7

131 89.3 63.9 118.7

166 124.4 87.9 163.3

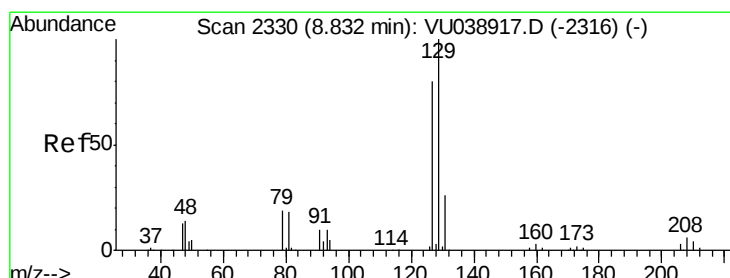
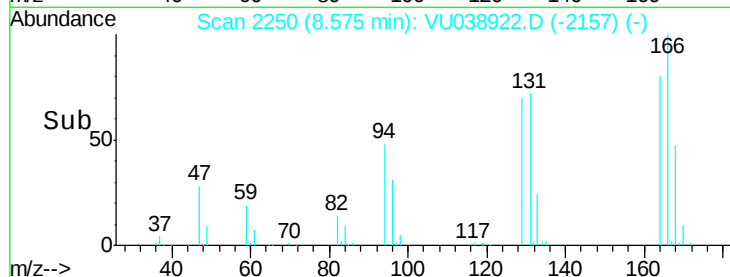
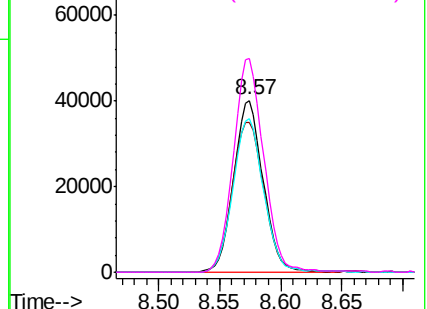


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.098 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038922.D

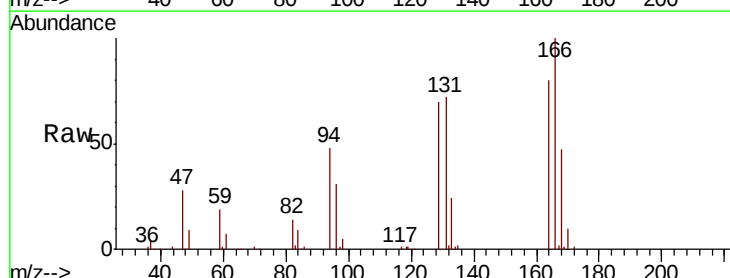
Acq: 16 Jun 2020 14:45

Tgt Ion:129 Resp: 62521

Ion Ratio Lower Upper

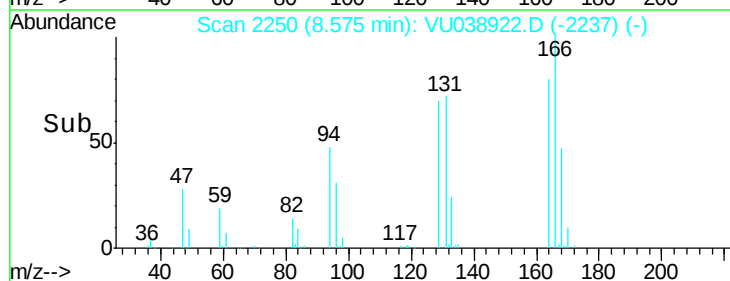
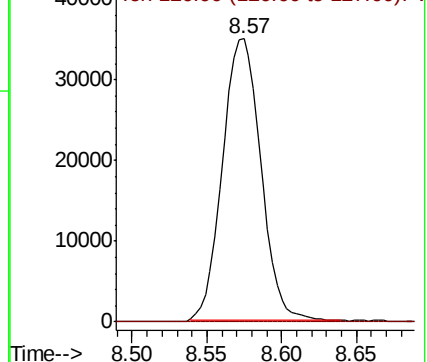
129 100

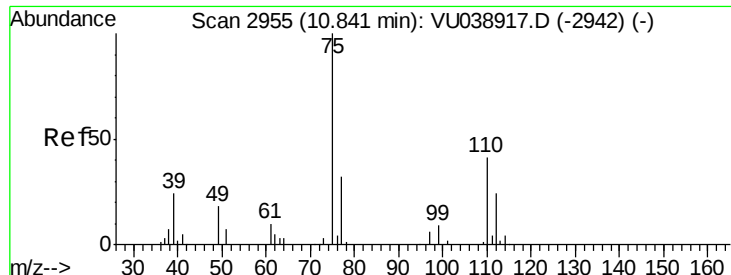
127 0.0 56.7 105.3#



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: 0.965 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038922.D

Acq: 16 Jun 2020 14:45

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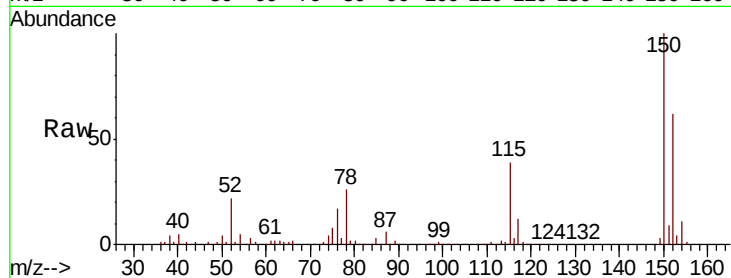
BF8Q4

Tot Ion: 75 Resp: 16924

Ion Ratio Lower Upper

75 100

77 36.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

