

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037808.D
 Acq On : 20 Apr 2020 12:55
 Operator : JC/MD
 Sample : L2319-03RE
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 01:10:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	274454	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	135002	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70805	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	68468	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	2.59	63	99801	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.66	46	298014	52.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.50%
24) Chloroform-d	5.10	84	145900	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.74	65	90418	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.76	84	299125	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.72	67	104684	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.92	98	269079	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	43236	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.65	63	261790	48.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87479	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	105016	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

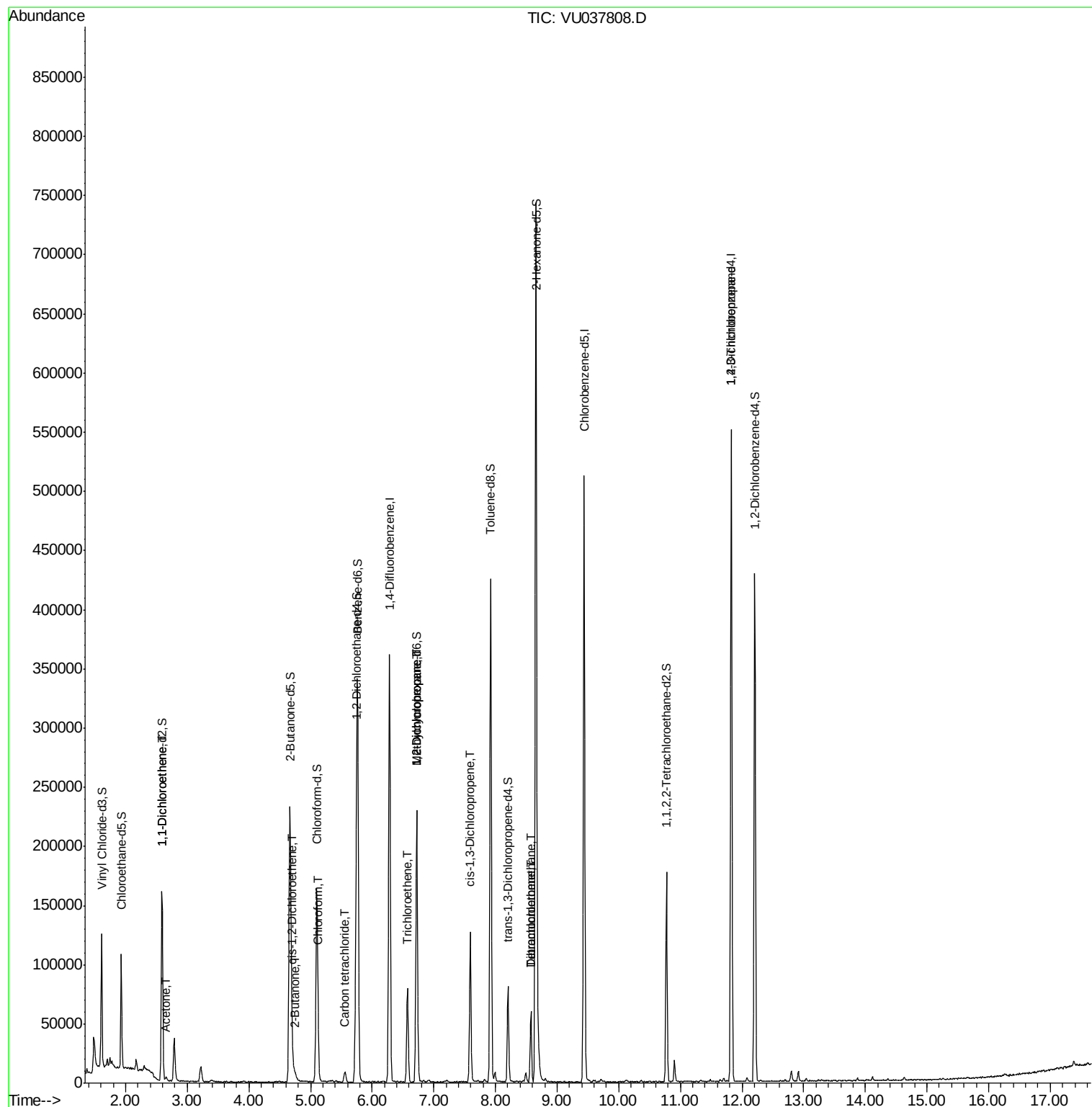
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	2381	0.126	ug/L #	1
13) Acetone	2.66	43	4709	1.252	ug/L	86
21) 2-Butanone	4.75	43	8322	1.218	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	5367	0.242	ug/L	73
25) Chloroform	5.13	83	6145	0.163	ug/L	96
31) Carbon tetrachloride	5.56	117	5894	0.228	ug/L	100
34) Trichloroethene	6.57	95	25154	1.160	ug/L	97
35) Methylcyclohexane	6.72	83	22974	0.605	ug/L #	16
37) 1,2-Dichloropropane	6.73	63	11353	0.485	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3003	0.082	ug/L #	65
47) Tetrachloroethene	8.57	164	12653	0.812	ug/L	97
49) Dibromochloromethane	8.57	129	12089	0.671	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18487	1.207	ug/L	92

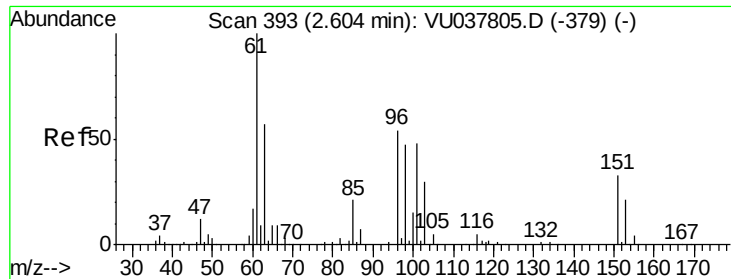
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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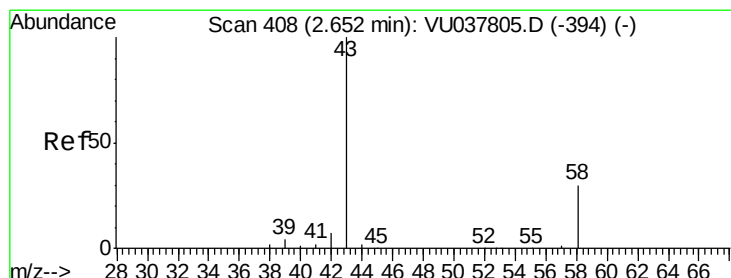
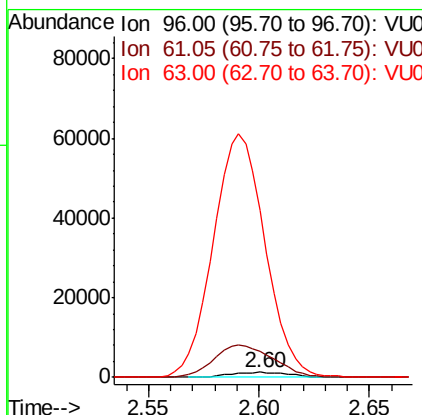
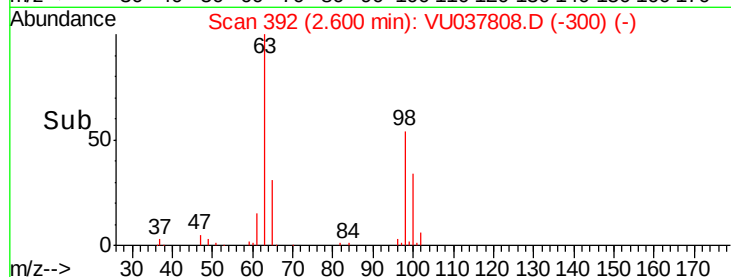
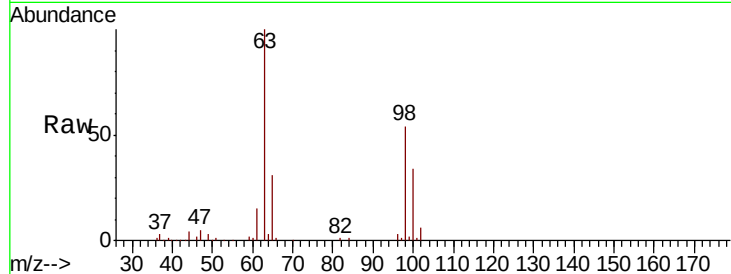




#12
 1,1-Dichloroethene
 Concen: 0.126 ug/L
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU037808.D
 Acq: 20 Apr 2020 12:55

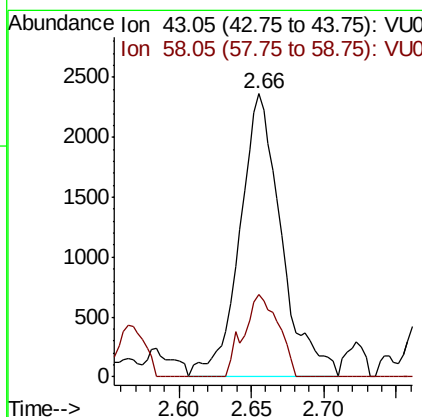
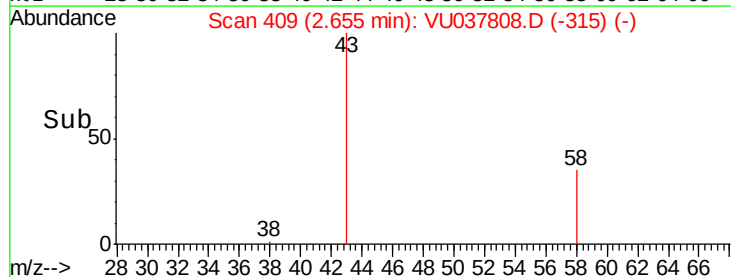
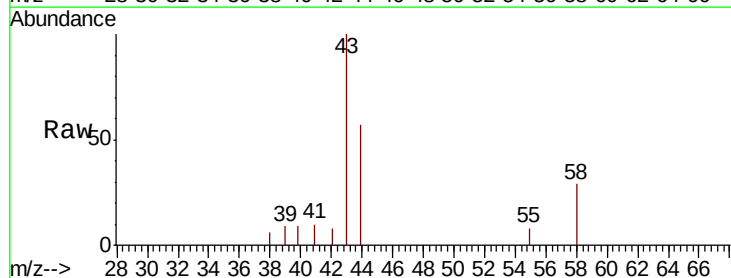
Instrument :
 MSVOA_U
 ClientSampleId :

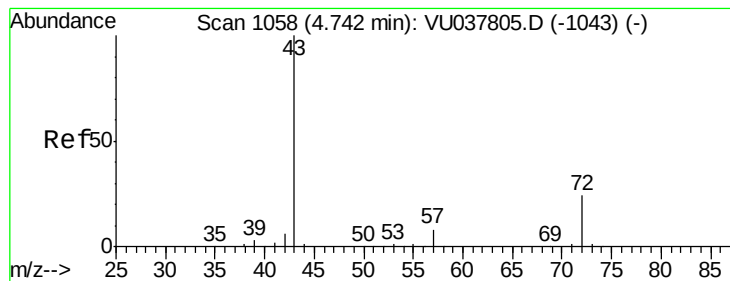
Tot Ion: 96 Resp: 2381
 Ion Ratio Lower Upper
 96 100
 61 515.5 127.7 237.3#
 63 3368.1 85.0 157.8#



#13
 Acetone
 Concen: 1.252 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VU037808.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 43 Resp: 4709
 Ion Ratio Lower Upper
 43 100
 58 24.4 0.0 64.8





#21

2-Butanone

Concen: 1.218 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

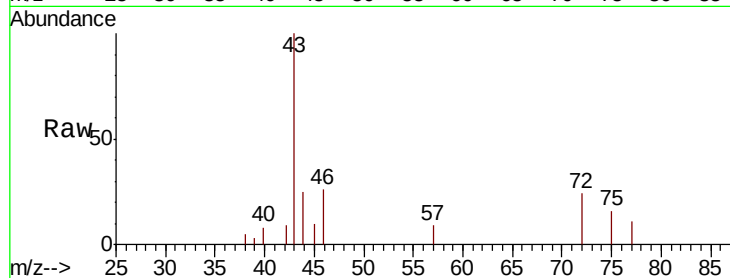
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8322

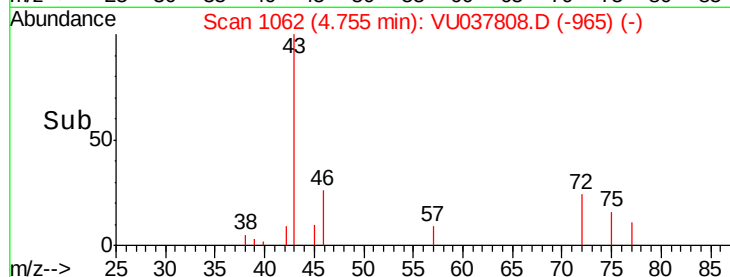
Ion Ratio Lower Upper

43 100

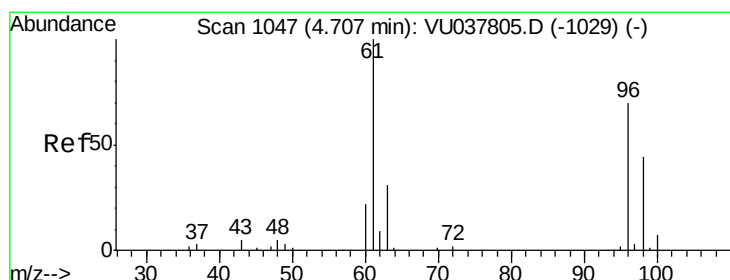
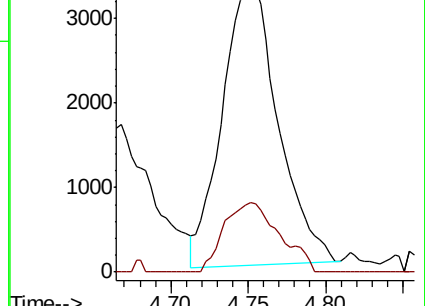
72 24.8 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037808.D (-965) (-)



Ion 72.10 (71.80 to 72.80): VU037808.D (-965) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.242 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

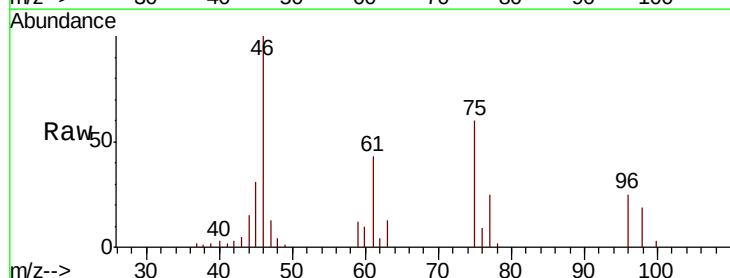
Tgt Ion: 96 Resp: 5367

Ion Ratio Lower Upper

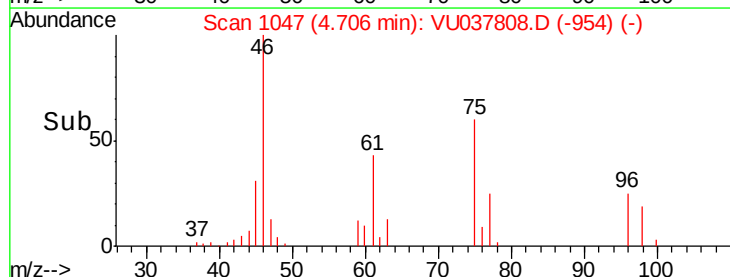
96 100

61 170.7 97.0 180.2

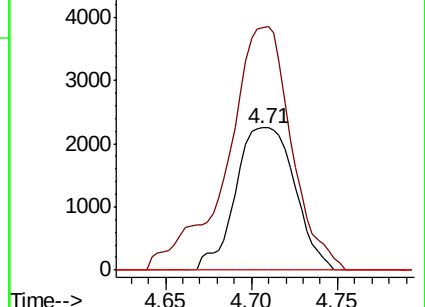
68 0.0 0.0 0.0

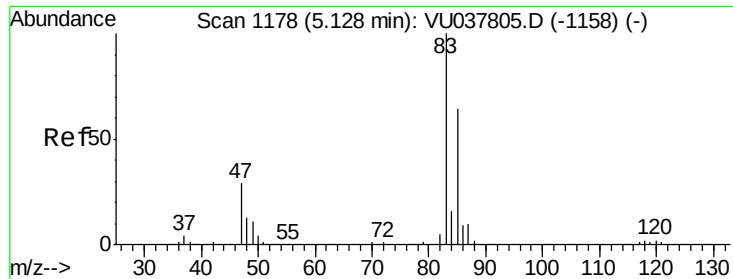


Abundance Ion 96.00 (95.70 to 96.70): VU037808.D (-954) (-)



Ion 61.05 (60.75 to 61.75): VU037808.D (-954) (-)

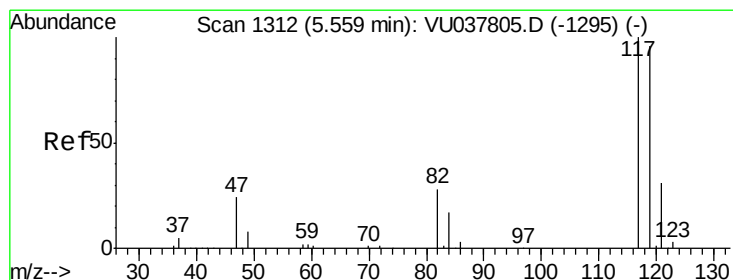
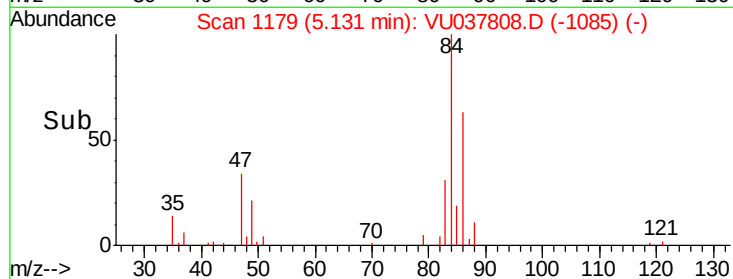
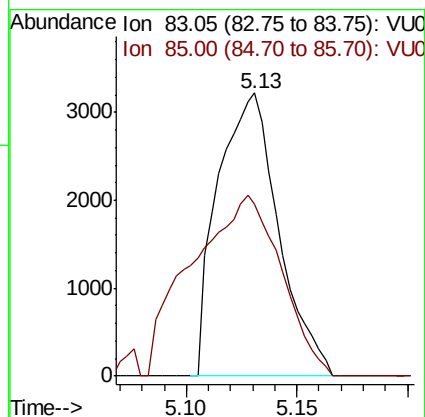
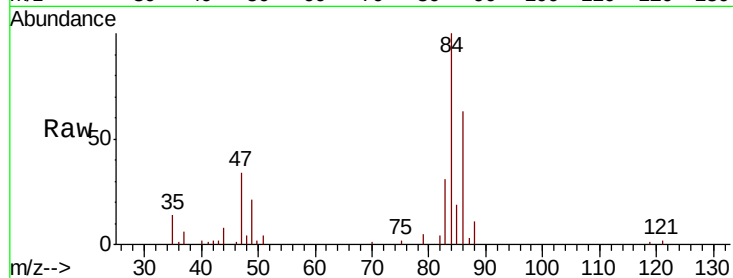




#25
Chloroform
Concen: 0.163 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037808.D
Acq: 20 Apr 2020 12:55

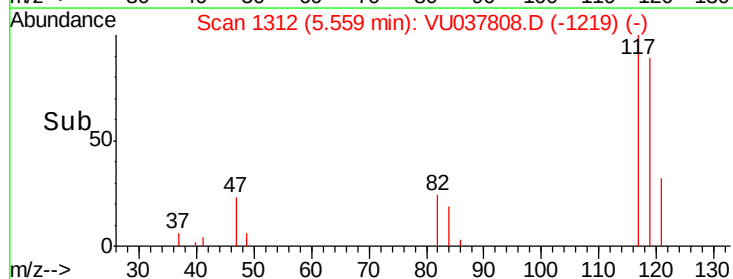
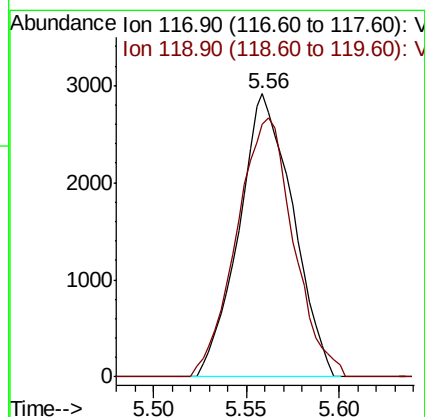
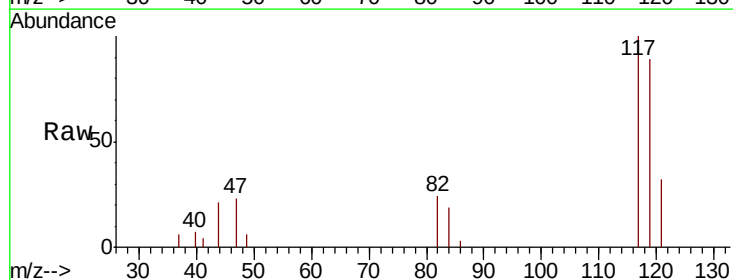
Instrument :
MSVOA_U
ClientSampled :

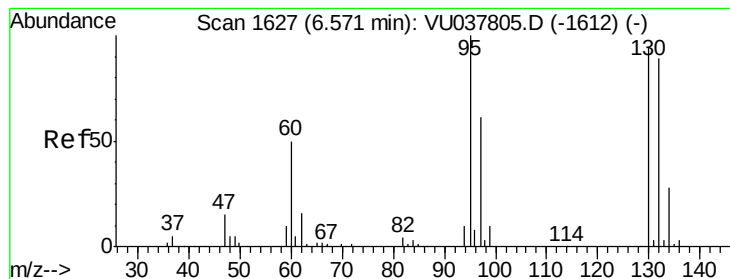
Tot Ion: 83 Resp: 6145
Ion Ratio Lower Upper
83 100
85 60.7 44.9 83.3



#31
Carbon tetrachloride
Concen: 0.228 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037808.D
Acq: 20 Apr 2020 12:55

Tgt Ion: 117 Resp: 5894
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0





#34

Trichloroethene

Concen: 1.160 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 25154

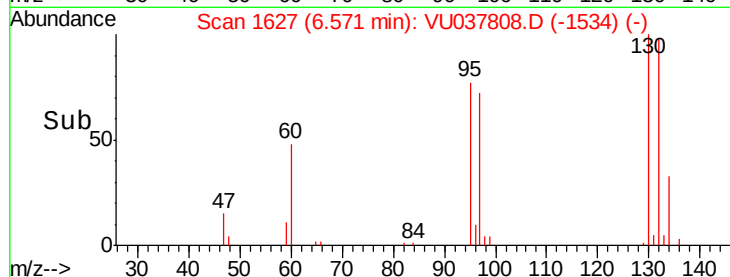
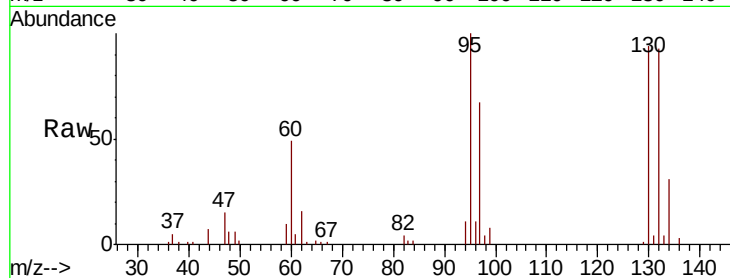
Ion Ratio Lower Upper

95 100

97 67.3 45.4 84.2

132 92.6 63.7 118.3

130 94.0 68.7 127.5

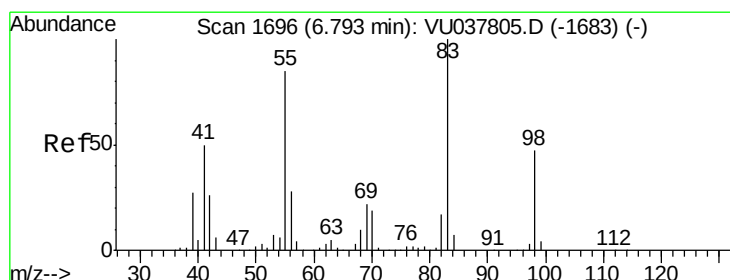
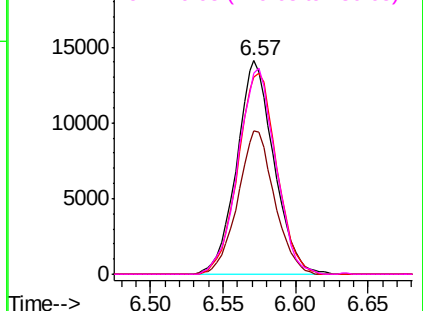


Abundance Ion 95.00 (94.70 to 95.70): VU037808.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU037808.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU037808.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU037808.D (-1534) (-)



#35

Methylcyclohexane

Concen: 0.605 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

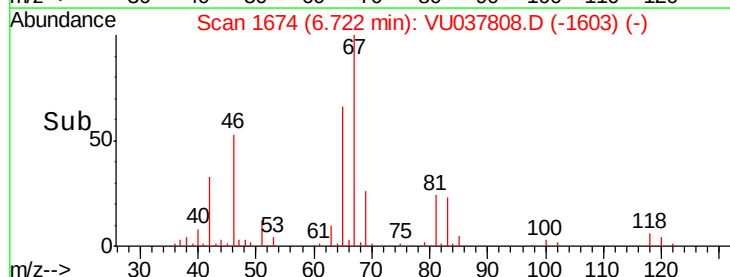
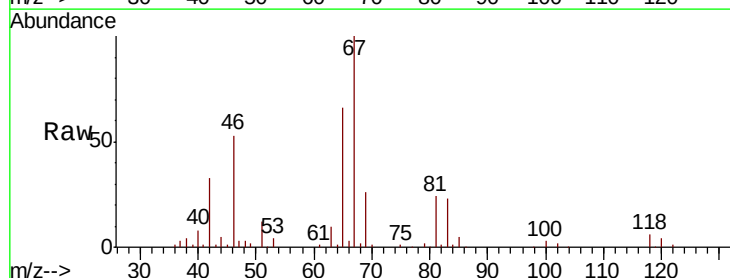
Tgt Ion: 83 Resp: 22974

Ion Ratio Lower Upper

83 100

55 0.2 65.5 98.3#

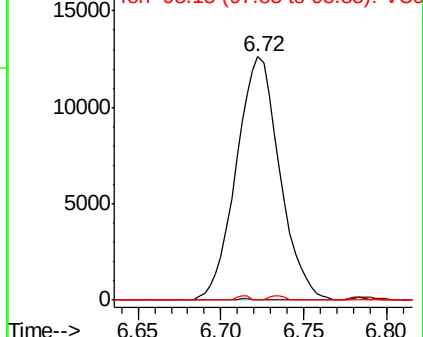
98 0.5 38.2 57.4#

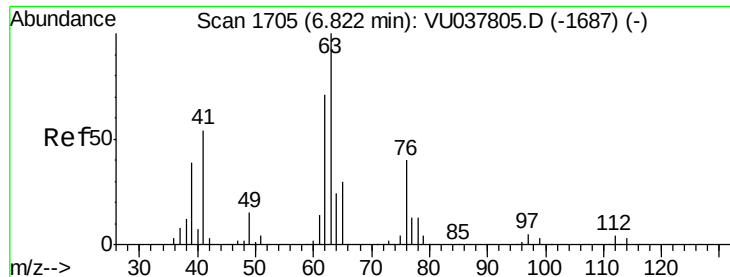


Abundance Ion 83.15 (82.85 to 83.85): VU037808.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU037808.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU037808.D (-1603) (-)

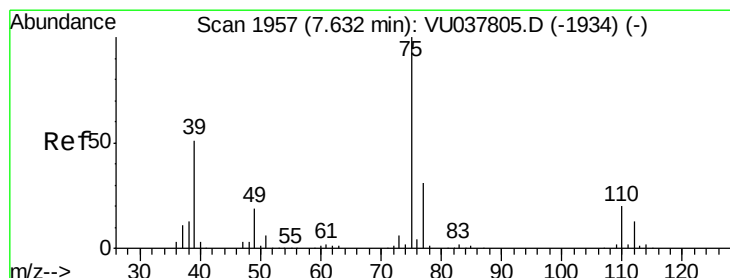
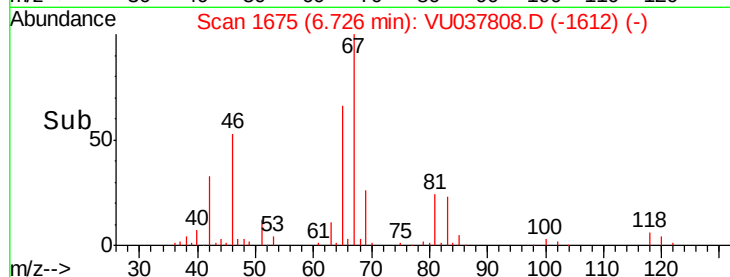
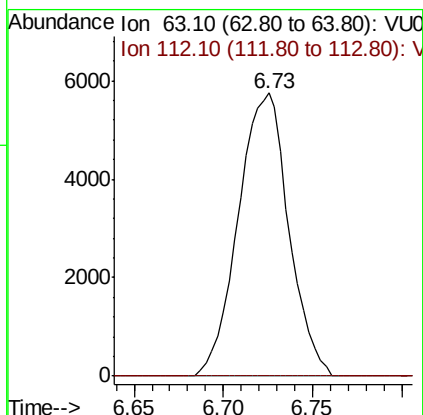
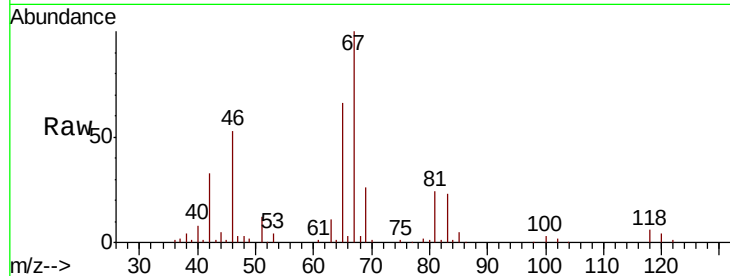




#37
 1,2-Dichloropropane
 Concen: 0.485 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037808.D
 Acq: 20 Apr 2020 12:55

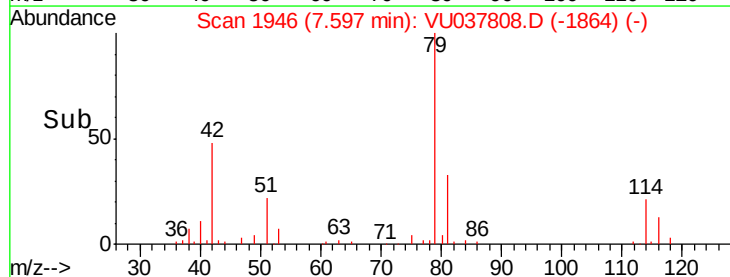
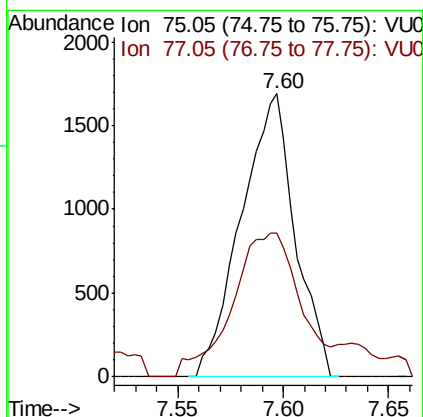
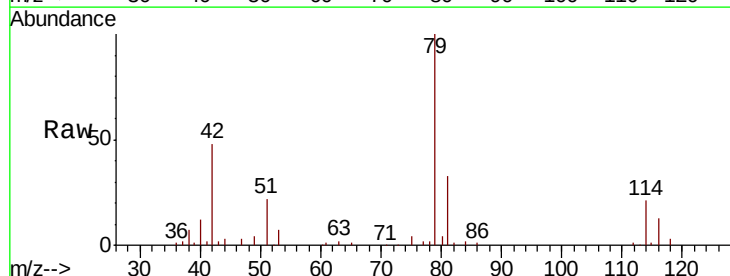
Instrument :
 MSVOA_U
 ClientSampleId :

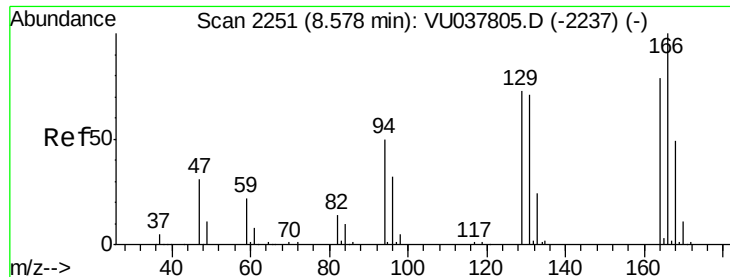
Tot Ion: 63 Resp: 11353
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU037808.D
 Acq: 20 Apr 2020 12:55

Tgt Ion: 75 Resp: 3003
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.812 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:164 Resp: 12653

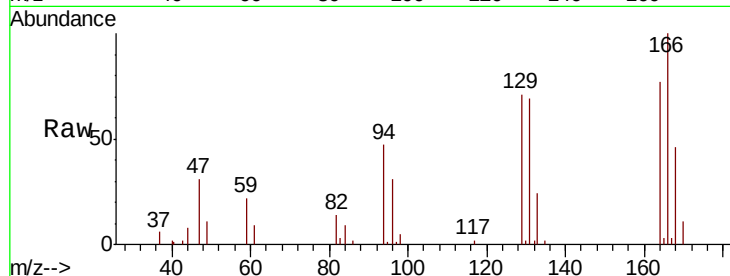
Ion Ratio Lower Upper

164 100

129 92.3 68.1 126.5

131 89.8 65.9 122.5

166 129.5 89.7 166.7

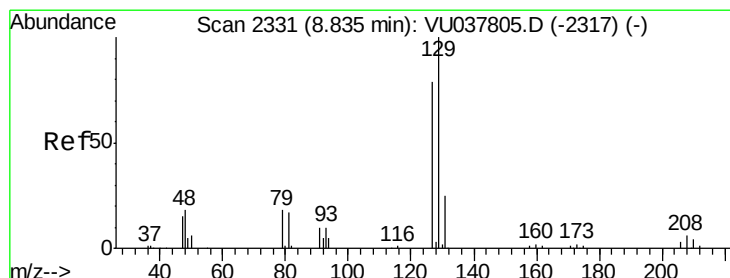
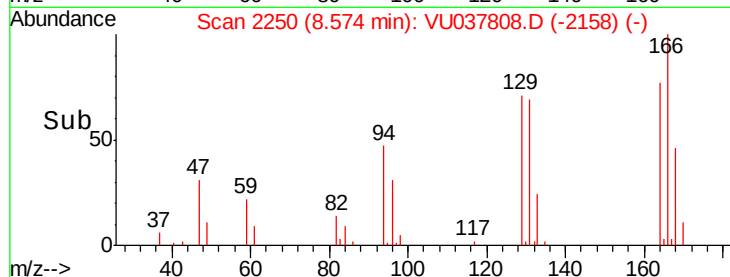
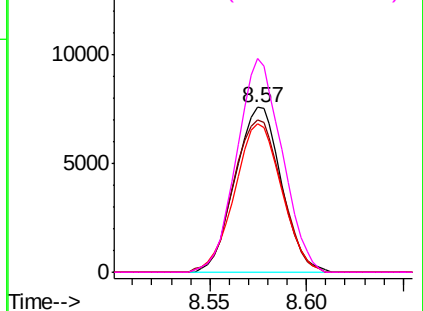


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.671 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037808.D

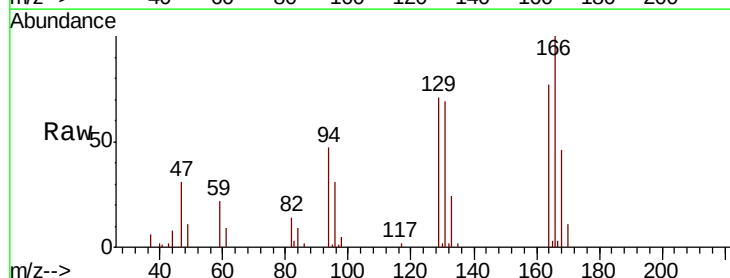
Acq: 20 Apr 2020 12:55

Tgt Ion:129 Resp: 12089

Ion Ratio Lower Upper

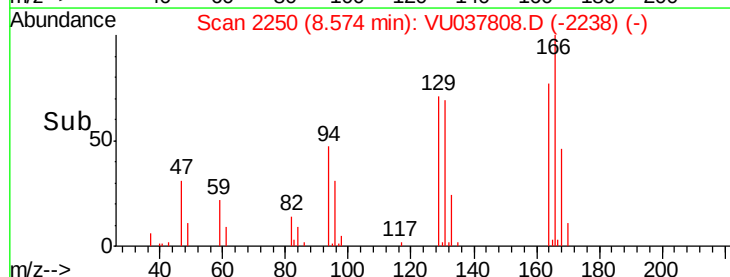
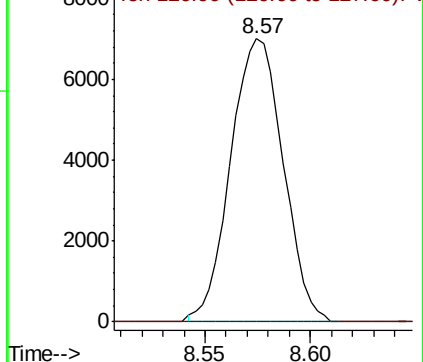
129 100

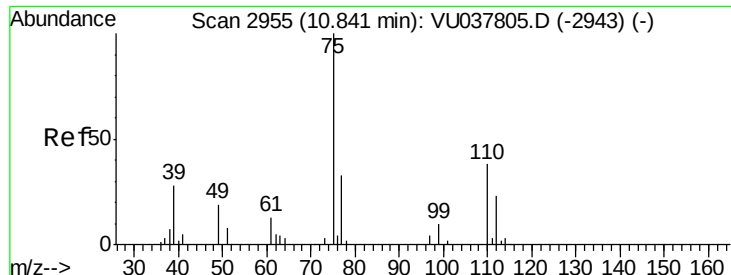
127 0.0 53.3 98.9#



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: 1.207 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037808.D

Acq: 20 Apr 2020 12:55

Instrument :

MSVOA_U

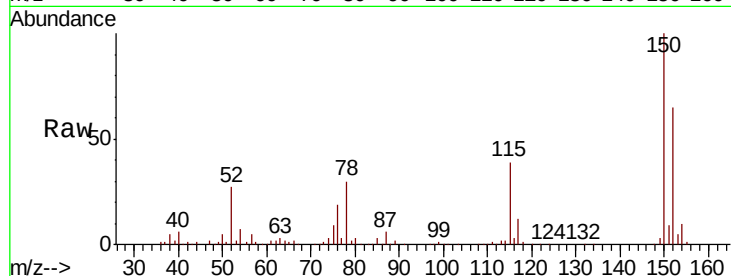
ClientSampleId :

Tot Ion: 75 Resp: 18487

Ion Ratio Lower Upper

75 100

77 36.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

