

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039521.D
 Acq On : 16 Jul 2020 14:10
 Operator : SY/MD
 Sample : L3292-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 01:09:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	93737	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42167	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20891	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.92	69	25783	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	34420	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	4.65	46	103657	41.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.40%
24) Chloroform-d	5.09	84	51405	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.72	65	32719	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.74	84	98409	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.71	67	33861	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.91	98	84784	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	13220	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	75341	37.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.16%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29671	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	34354	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

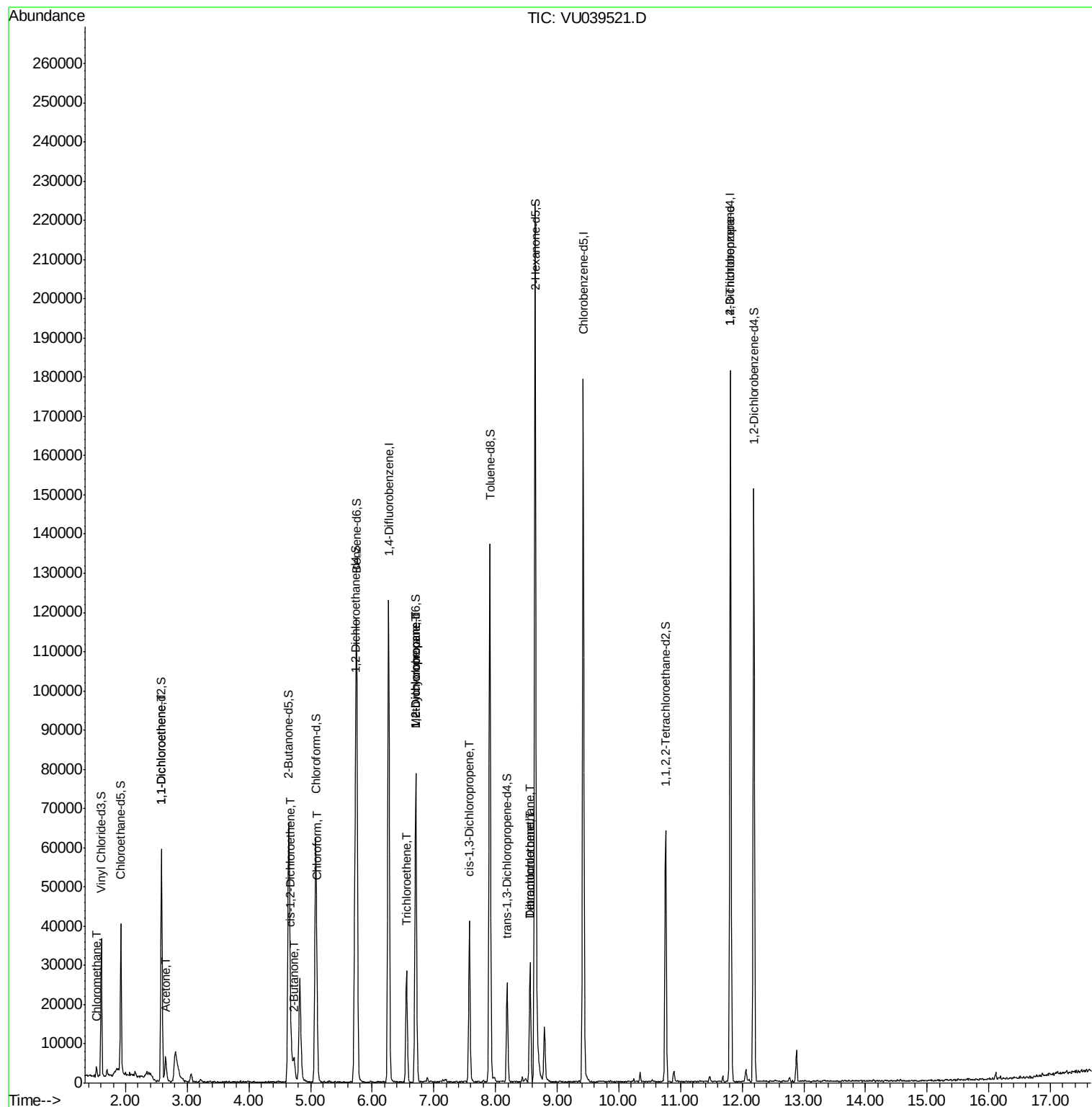
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1868	0.271	ug/L	90
12) 1,1-Dichloroethene	2.59	96	395	0.071	ug/L #	1
13) Acetone	2.65	43	8394	6.256	ug/L	95
21) 2-Butanone	4.73	43	7516	3.138	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	927	0.134	ug/L #	55
25) Chloroform	5.11	83	3797	0.311	ug/L	91
34) Trichloroethene	6.56	95	8428	1.205	ug/L	95
35) Methylcyclohexane	6.71	83	7721	0.689	ug/L #	21
37) 1,2-Dichloropropane	6.70	63	4105	0.557	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1024	0.092	ug/L	97
47) Tetrachloroethene	8.56	164	5923	1.218	ug/L	95
49) Dibromochloromethane	8.56	129	5577	0.869	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6653	1.224	ug/L	95

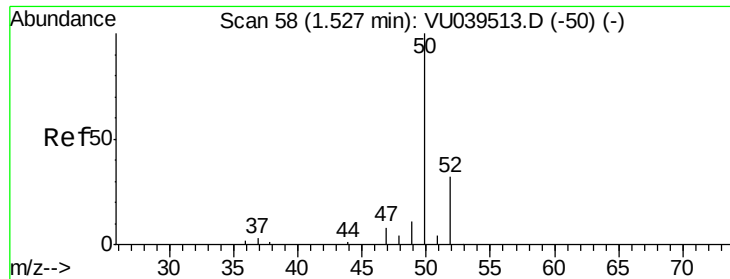
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.271 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

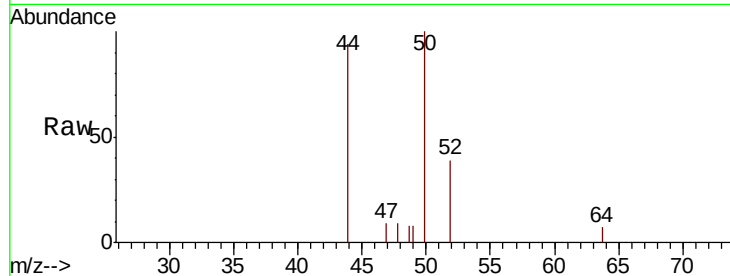
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 1868

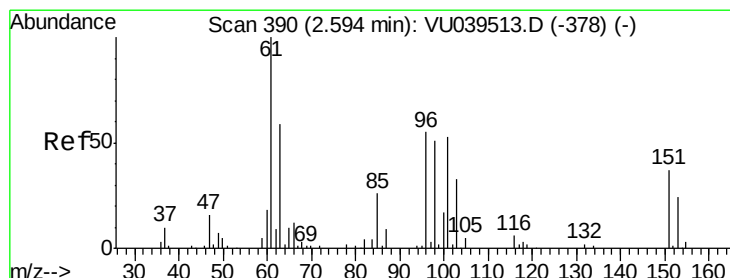
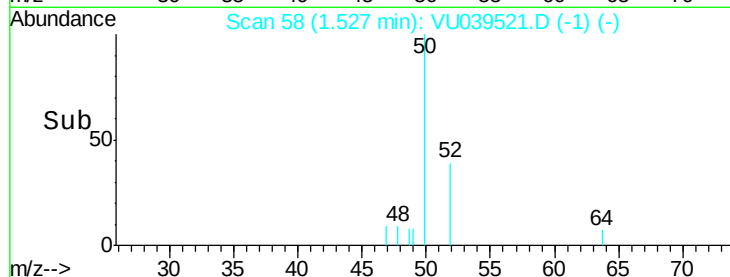
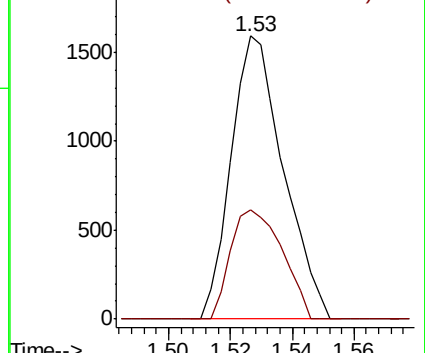
Ion Ratio Lower Upper

50 100

52 38.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

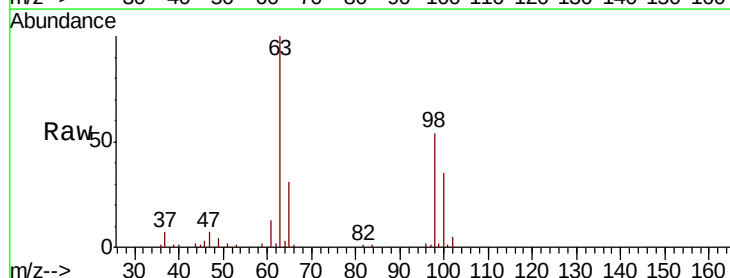
Tgt Ion: 96 Resp: 395

Ion Ratio Lower Upper

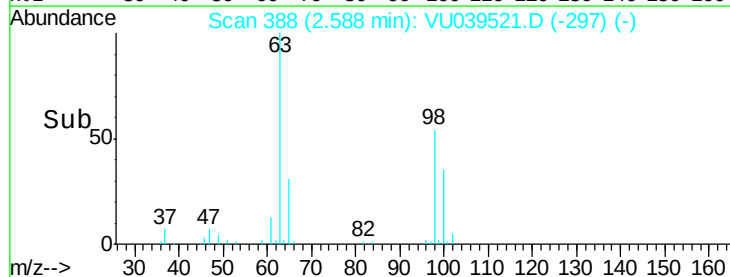
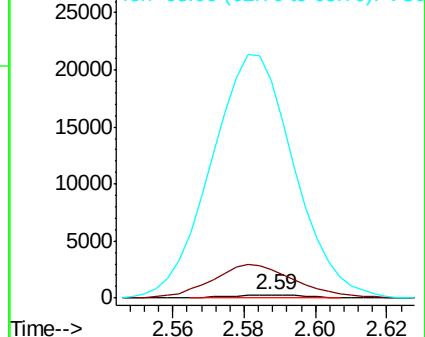
96 100

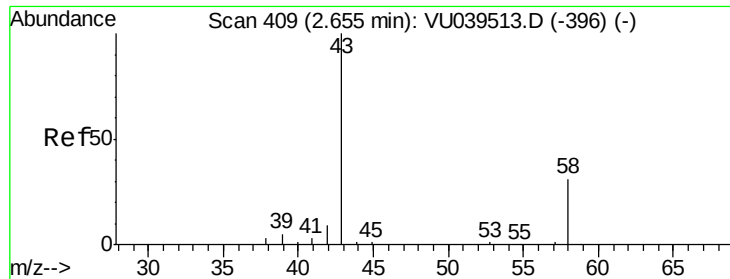
61 826.4 125.4 232.8#

63 6307.6 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.256 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

Instrument :

MSVOA_U

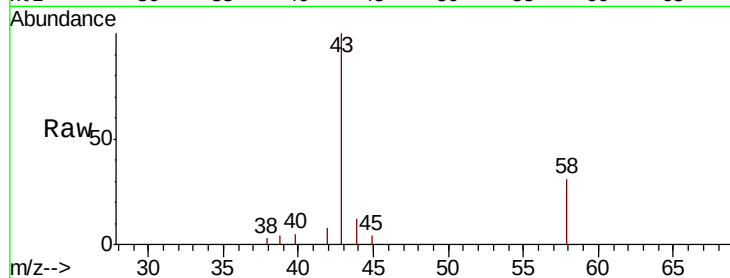
ClientSampleId :

Tot Ion: 43 Resp: 8394

Ion Ratio Lower Upper

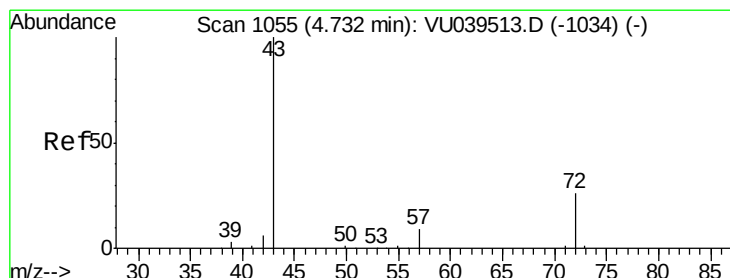
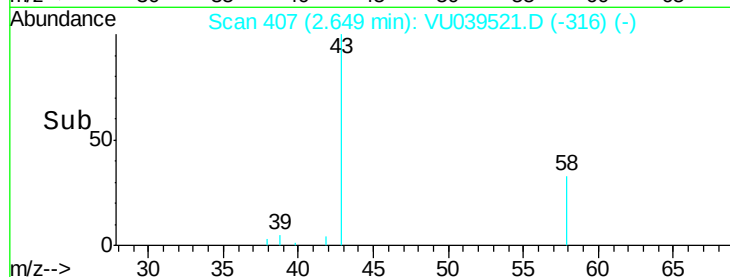
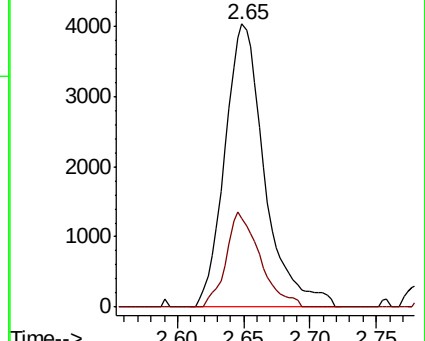
43 100

58 28.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039521.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU039521.D (-316) (-)



#21

2-Butanone

Concen: 3.138 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039521.D

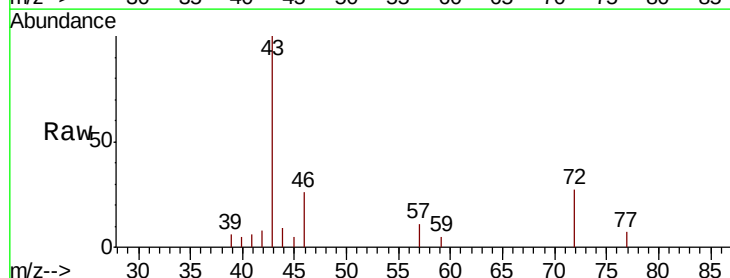
Acq: 16 Jul 2020 14:10

Tgt Ion: 43 Resp: 7516

Ion Ratio Lower Upper

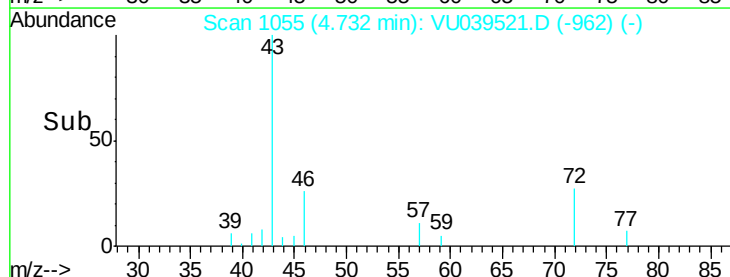
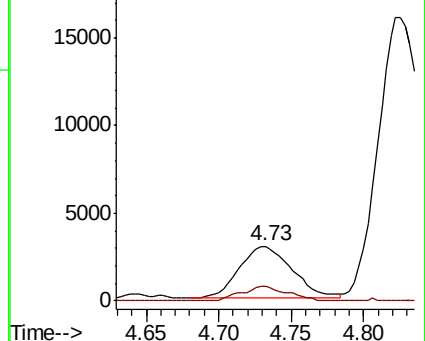
43 100

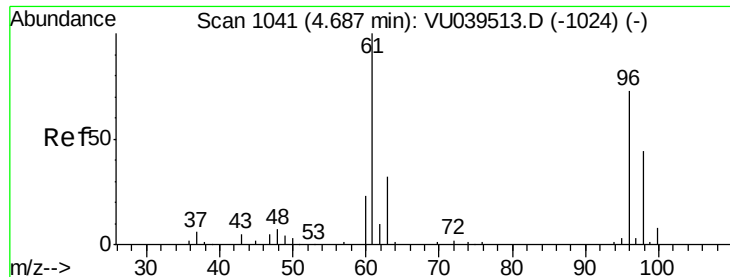
72 24.5 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039521.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU039521.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.134 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

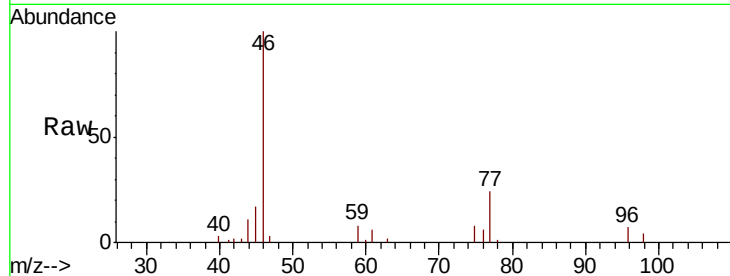
Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 927

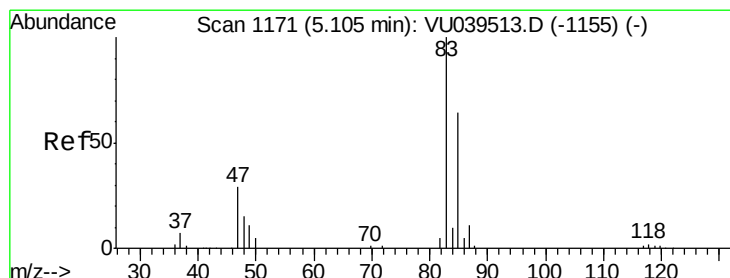
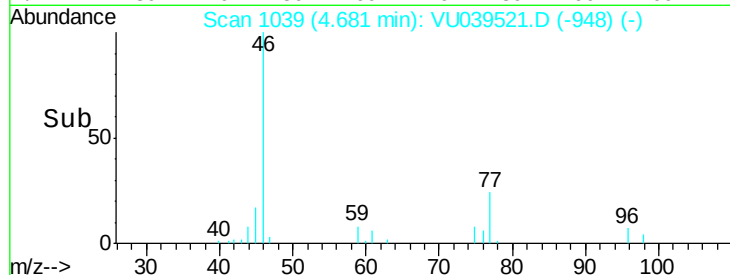
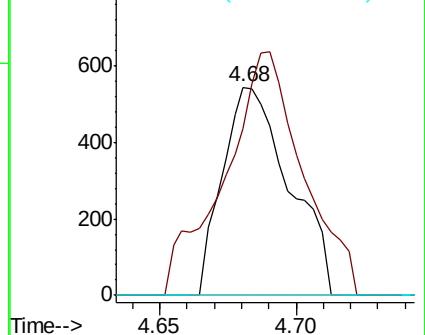
Ion	Ratio	Lower	Upper
96	100		
61	80.0	92.8	172.4#
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039521.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU039521.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU039521.D (-1024) (-)



#25

Chloroform

Concen: 0.311 ug/L

RT: 5.11 min Scan# 1172

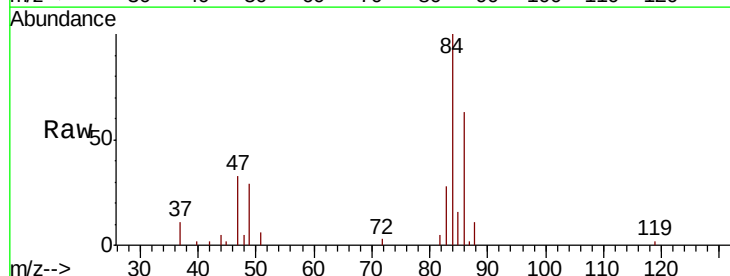
Delta R.T. 0.00 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

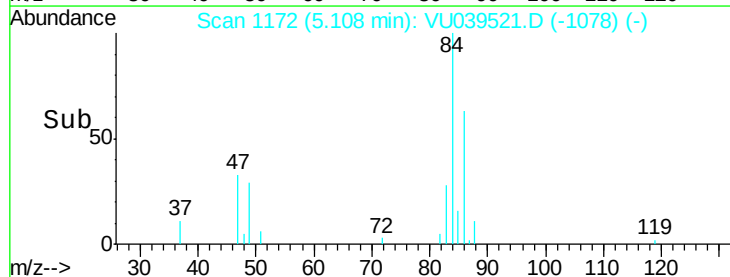
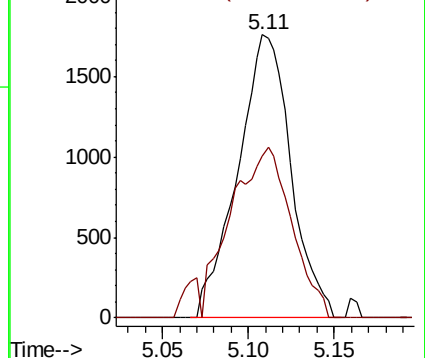
Tgt Ion: 83 Resp: 3797

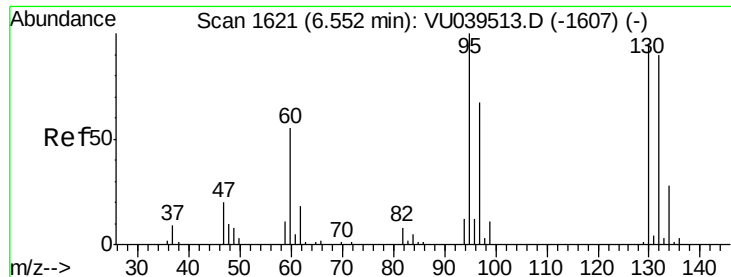
Ion	Ratio	Lower	Upper
83	100		
85	57.2	44.9	83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039521.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU039521.D (-1155) (-)





#34

Trichloroethene

Concen: 1.205 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 8428

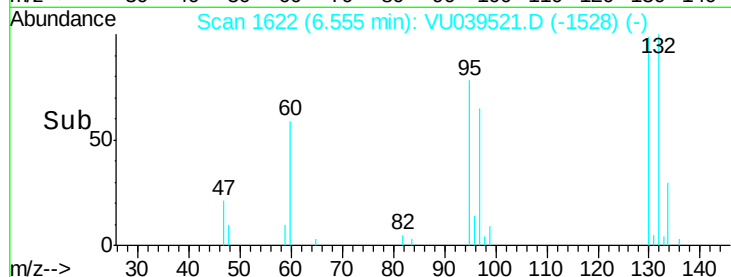
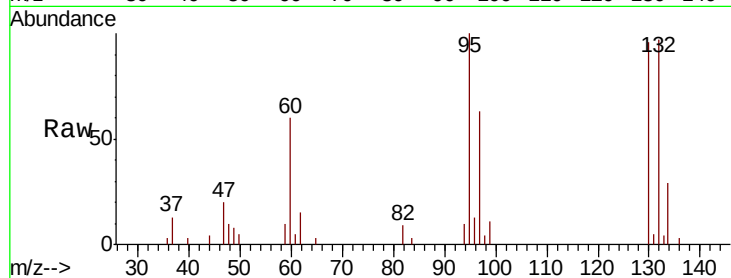
Ion Ratio Lower Upper

95 100

97 62.9 46.3 85.9

132 96.7 64.0 118.8

130 95.7 64.3 119.5

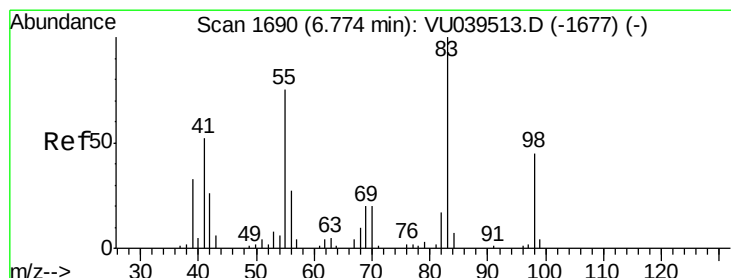
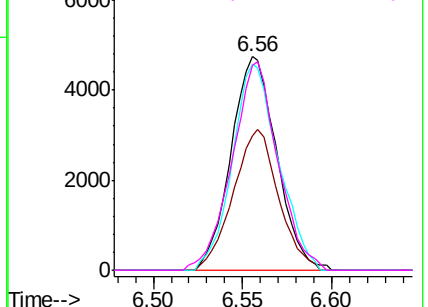


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.689 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

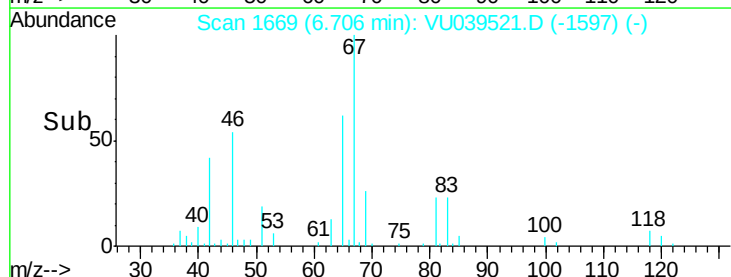
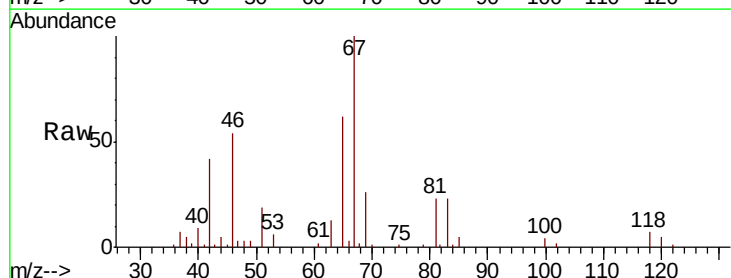
Tgt Ion: 83 Resp: 7721

Ion Ratio Lower Upper

83 100

55 0.0 62.1 93.1#

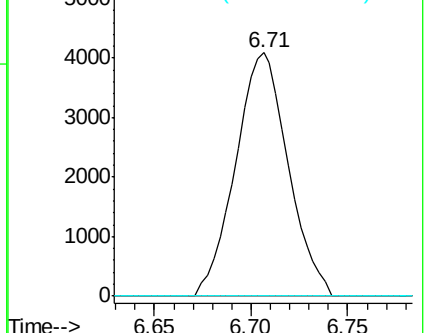
98 5.6 35.9 53.9#

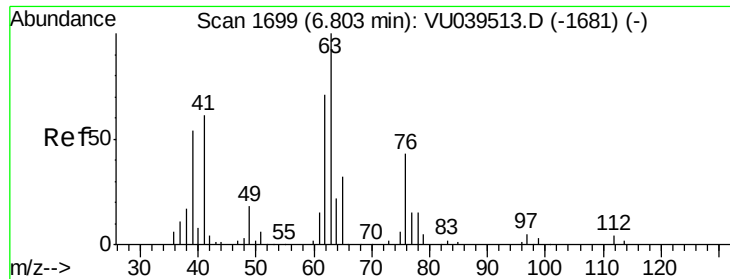


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

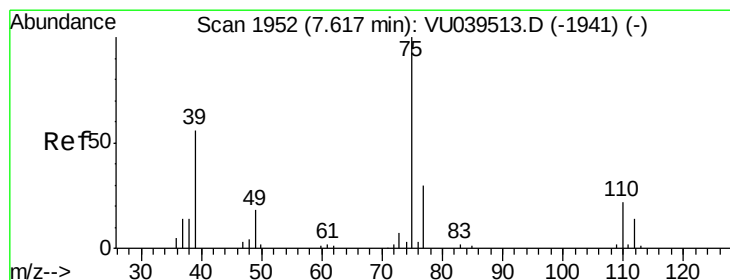
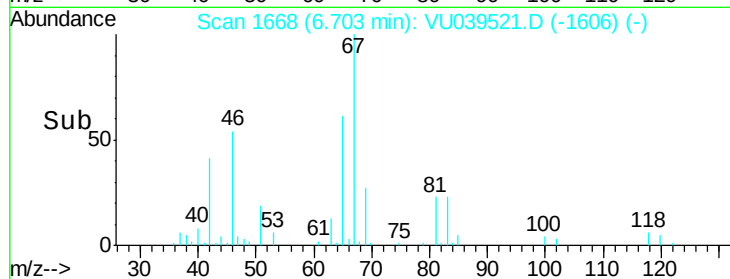
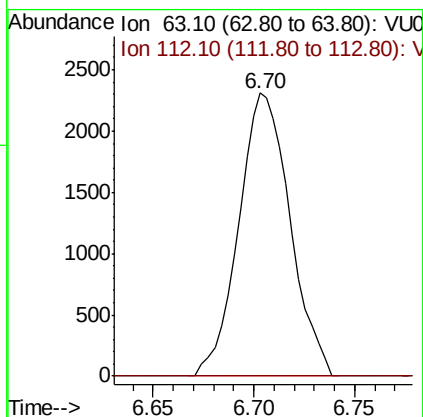
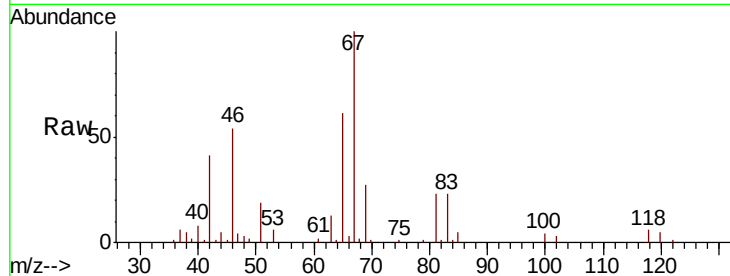




#37
 1,2-Dichloropropane
 Concen: 0.557 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039521.D
 Acq: 16 Jul 2020 14:10

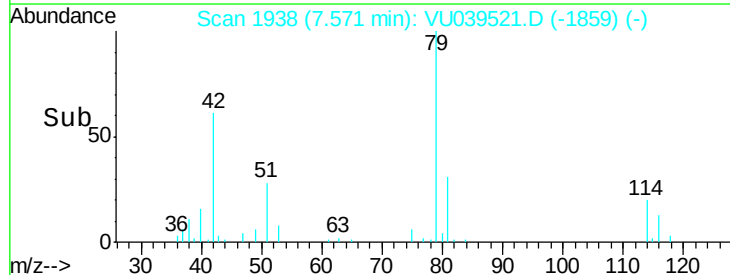
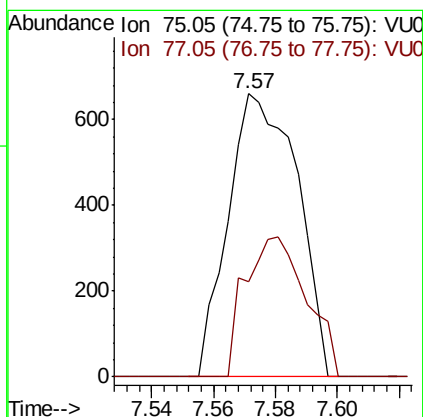
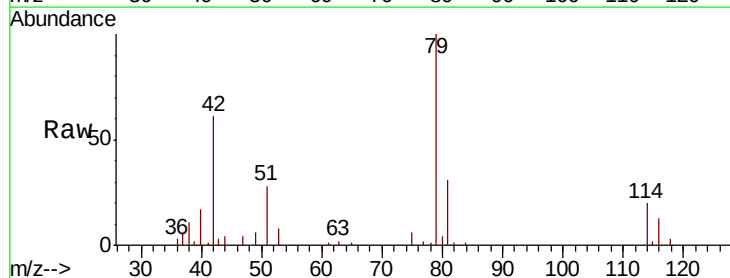
Instrument :
 MSVOA_U
 ClientSampled :

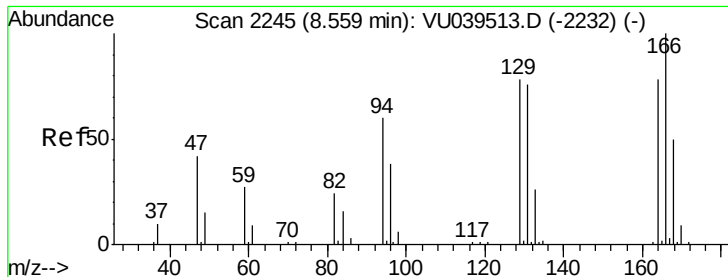
Tot Ion: 63 Resp: 4105
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU039521.D
 Acq: 16 Jul 2020 14:10

Tgt Ion: 75 Resp: 1024
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.3 41.3





#47

Tetrachloroethene

Concen: 1.218 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 5923

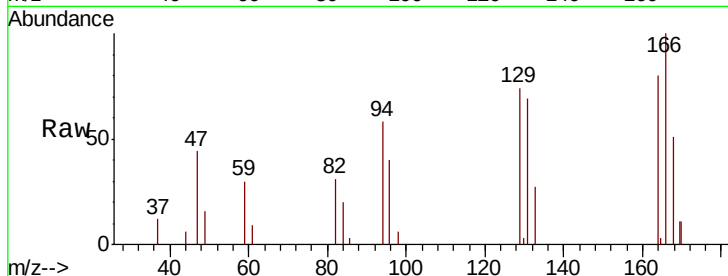
Ion Ratio Lower Upper

164 100

129 93.1 68.6 127.4

131 86.0 66.4 123.4

166 125.2 85.9 159.5

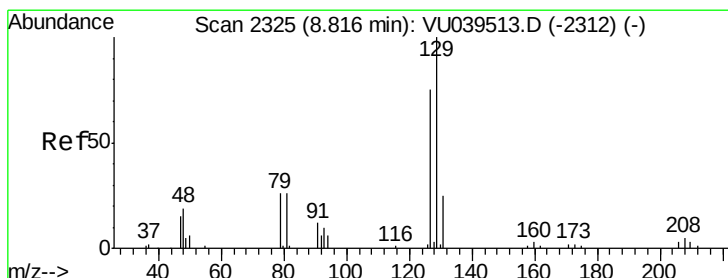
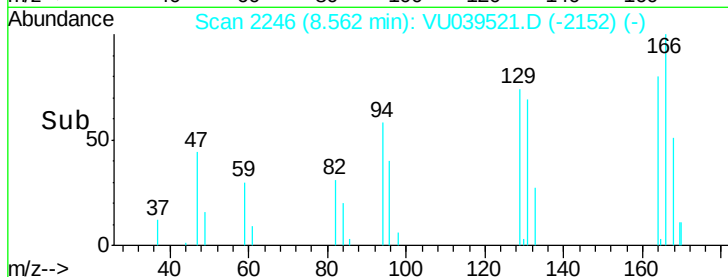
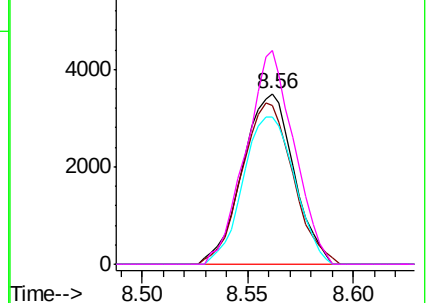


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.869 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039521.D

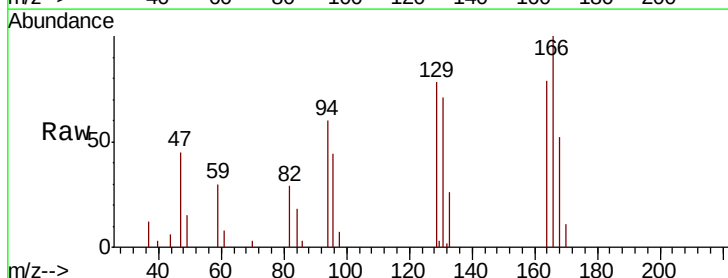
Acq: 16 Jul 2020 14:10

Tgt Ion:129 Resp: 5577

Ion Ratio Lower Upper

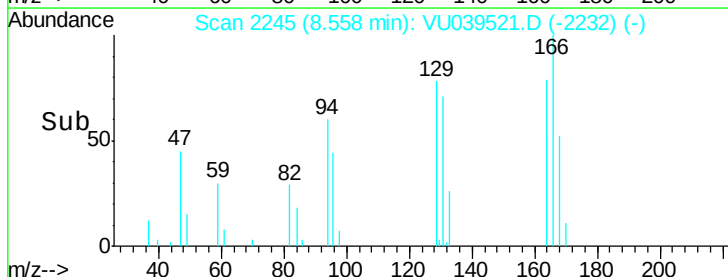
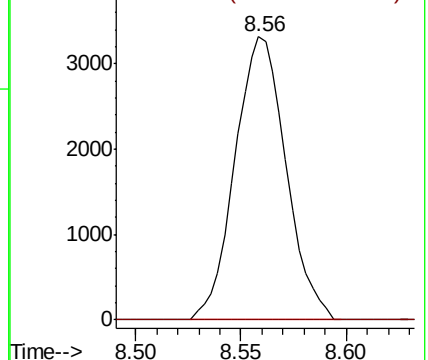
129 100

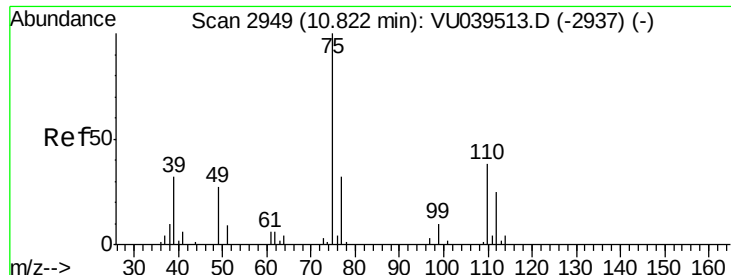
127 0.0 55.4 102.8#



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: 1.224 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039521.D

Acq: 16 Jul 2020 14:10

Instrument :

MSVOA_U

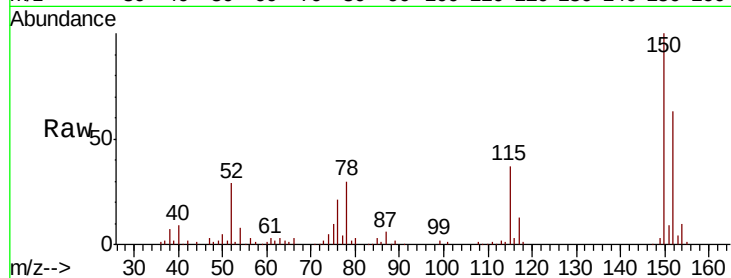
ClientSampleId :

Tot Ion: 75 Resp: 6653

Ion Ratio Lower Upper

75 100

77 36.4 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

