

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038432.D
 Acq On : 30 May 2020 22:34
 Operator : JC/MD
 Sample : L2787-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:37:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	307000	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	298037	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	142821	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99552	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.93	69	79963	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.59	63	146297	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.67	46	367990	60.97	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.94%
24) Chloroform-d	5.10	84	199113	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.74	65	120994	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.76	84	403047	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.72	67	127096	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.92	98	337087	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	8.20	79	49562	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.65	63	323757	66.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.26%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110109	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	139676	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

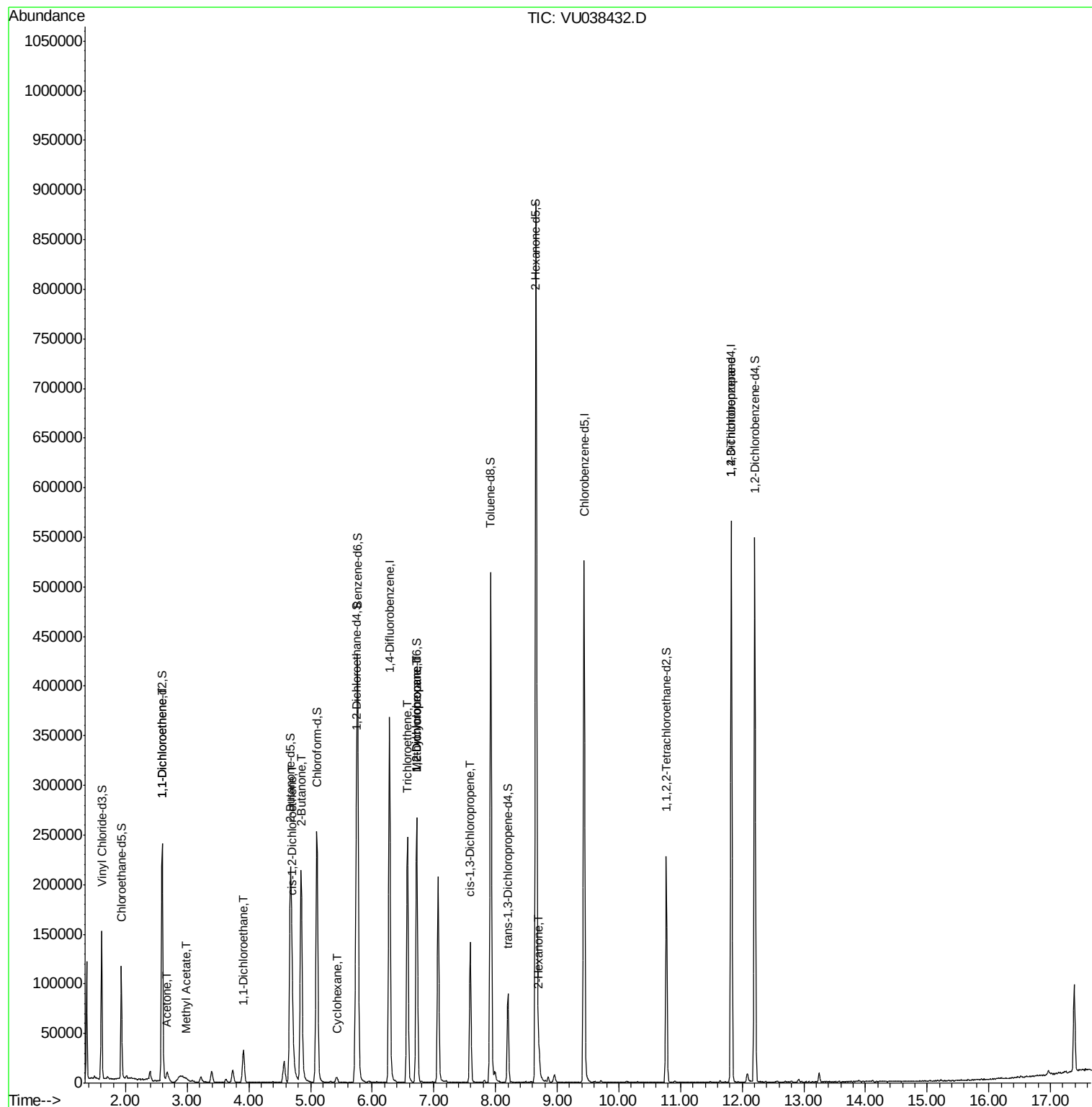
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1802	0.095	ug/L #	1
13) Acetone	2.67	43	16976	4.298	ug/L	98
15) Methyl Acetate	2.99	43	1565	0.162	ug/L #	63
19) 1,1-Dichloroethane	3.91	63	37524	1.029	ug/L	99
21) 2-Butanone	4.84	43	290971	43.794	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	11362	0.518	ug/L	88
30) Cyclohexane	5.42	56	2536	0.077	ug/L #	81
34) Trichloroethene	6.57	95	84364	3.911	ug/L	94
35) Methylcyclohexane	6.72	83	29770	0.891	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14266	0.682	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3124	0.101	ug/L #	66
48) 2-Hexanone	8.71	43	13697	1.209	ug/L #	96
59) 1,2,3-Trichloropropane	11.83	75	17685	1.133	ug/L	90

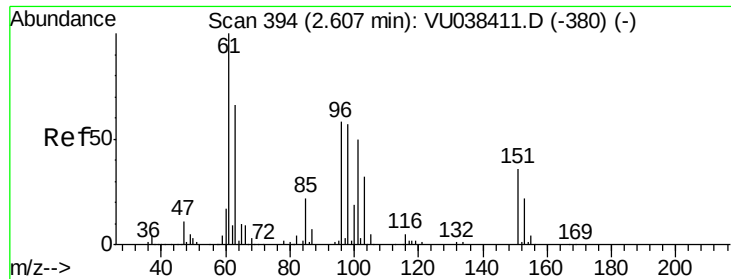
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.095 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038432.D

Acq: 30 May 2020 22:34

Instrument :

MSVOA_U

ClientSampleId :

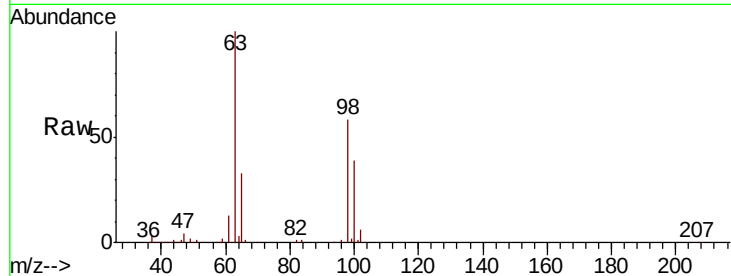
Tot Ion: 96 Resp: 1802

Ion Ratio Lower Upper

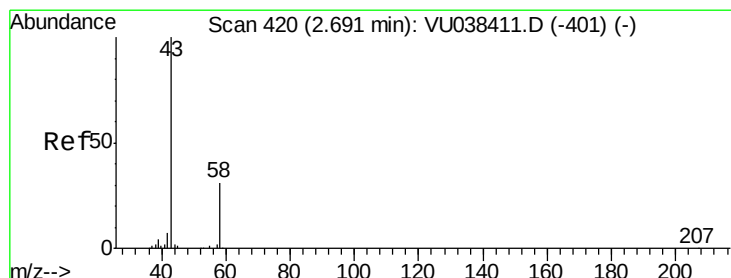
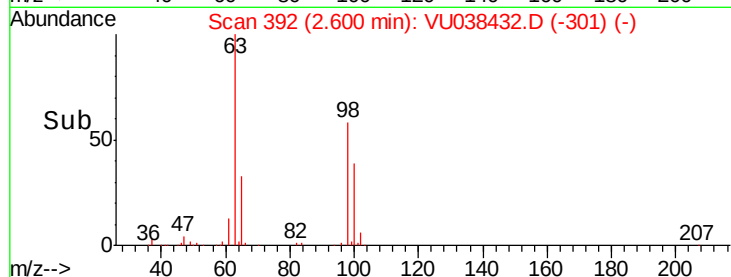
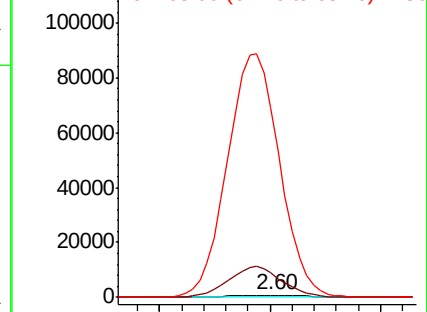
96 100

61 1046.9 119.9 222.7#

63 8192.7 89.9 167.0#



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: 4.298 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.02 min

Lab File: VU038432.D

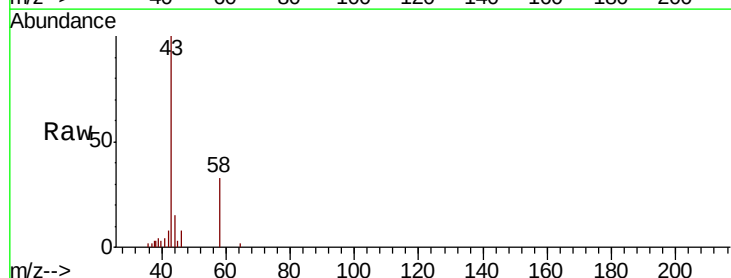
Acq: 30 May 2020 22:34

Tgt Ion: 43 Resp: 16976

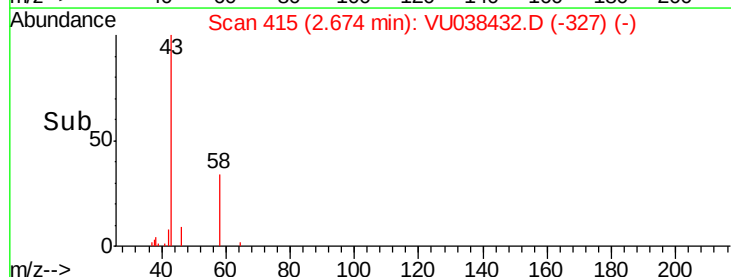
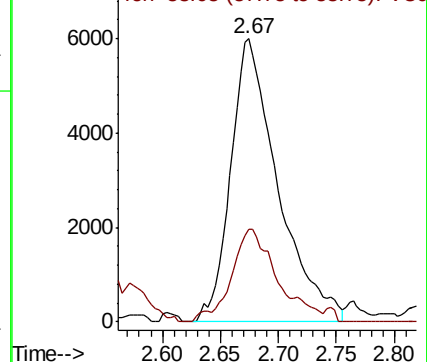
Ion Ratio Lower Upper

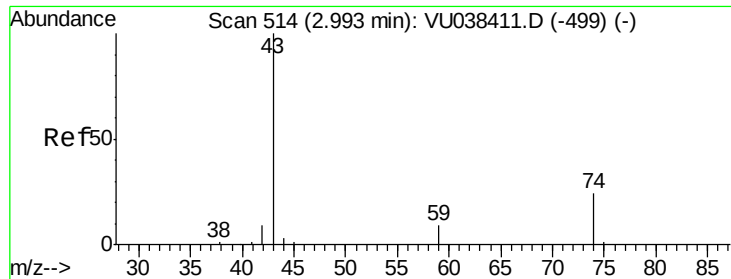
43 100

58 31.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#15

Methvl Acetate

Concen: 0.162 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU038432.D

Acq: 30 May 2020 22:34

Instrument :

MSVOA_U

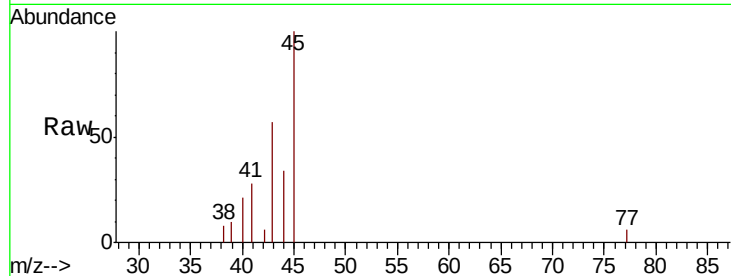
ClientSampled :

Tot Ion: 43 Resp: 1565

Ion Ratio Lower Upper

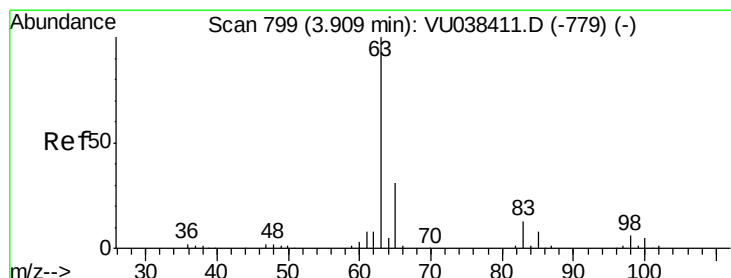
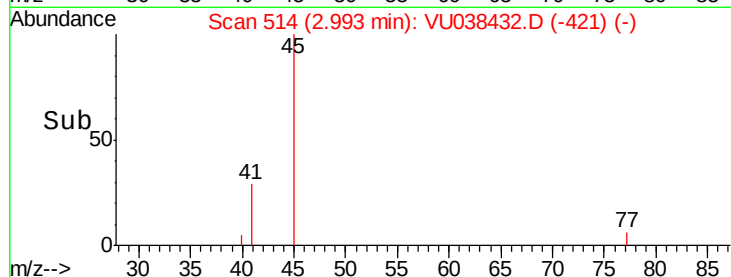
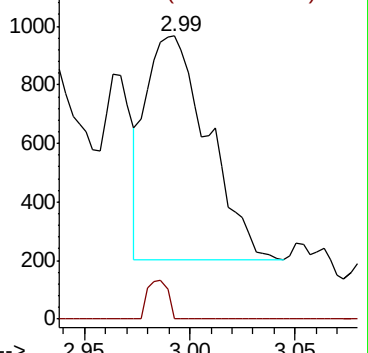
43 100

74 5.8 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#19

1,1-Dichloroethane

Concen: 1.029 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038432.D

Acq: 30 May 2020 22:34

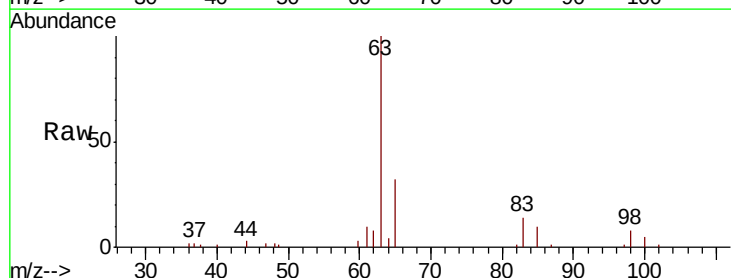
Tgt Ion: 63 Resp: 37524

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

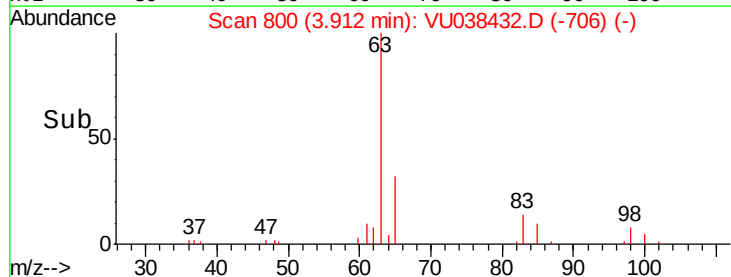
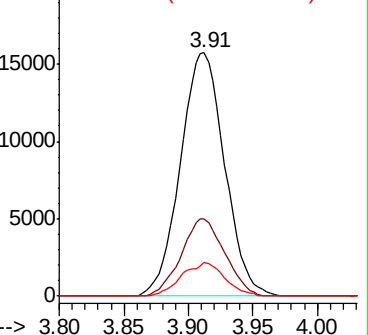
83 13.7 10.4 19.4

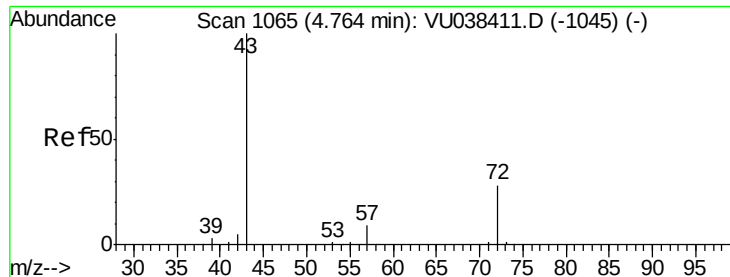


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

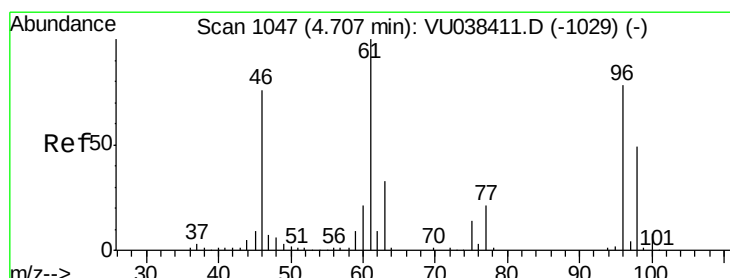
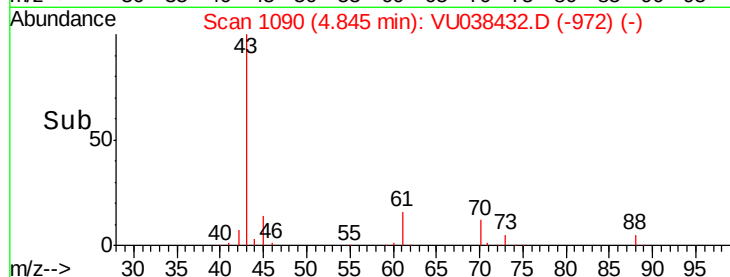
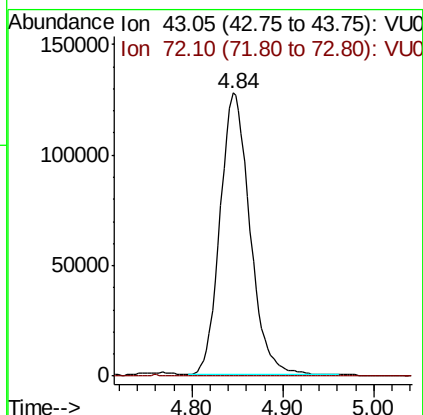
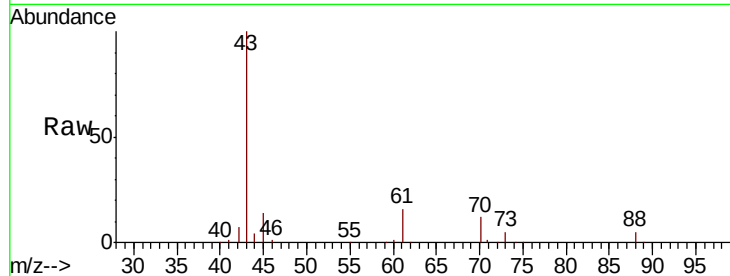




#21
 2-Butanone
 Concen: 43.794 ug/L
 RT: 4.84 min Scan# 1090
 Delta R.T. 0.08 min
 Lab File: VU038432.D
 Acq: 30 May 2020 22:34

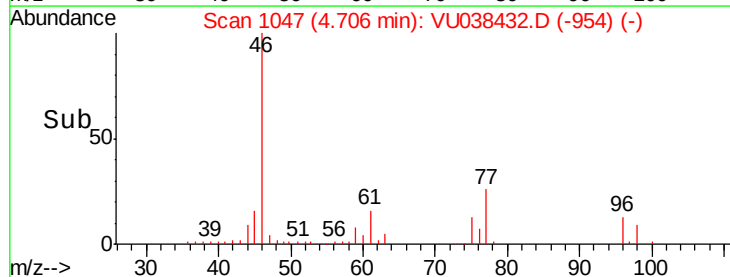
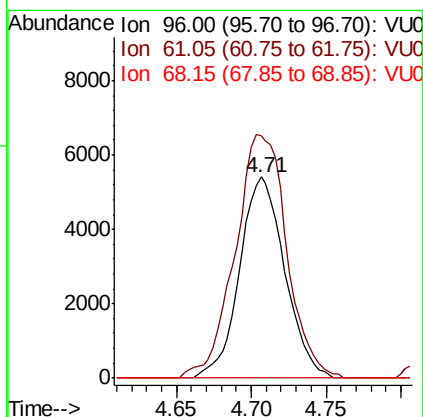
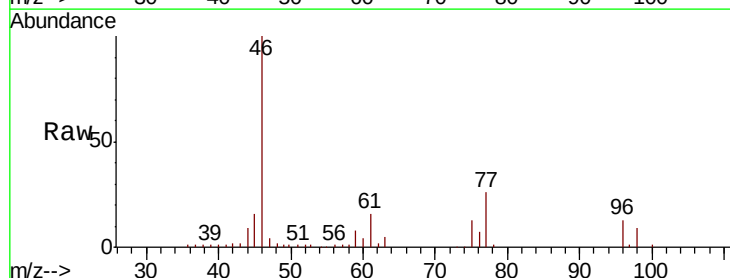
Instrument :
 MSVOA_U
 ClientSampled :

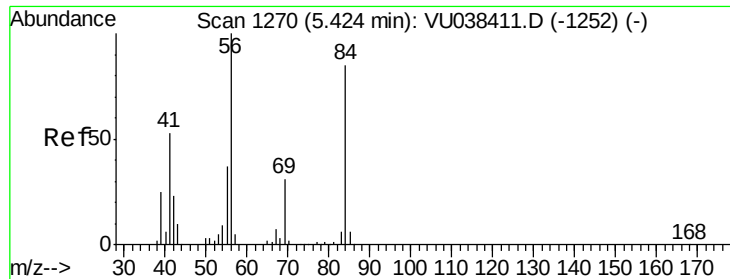
Tot Ion: 43 Resp: 290971
 Ion Ratio Lower Upper
 43 100
 72 0.0 12.6 37.8#



#22
 cis-1,2-Dichloroethene
 Concen: 0.518 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038432.D
 Acq: 30 May 2020 22:34

Tgt Ion: 96 Resp: 11362
 Ion Ratio Lower Upper
 96 100
 61 120.3 94.0 174.6
 68 0.0 0.0 0.0

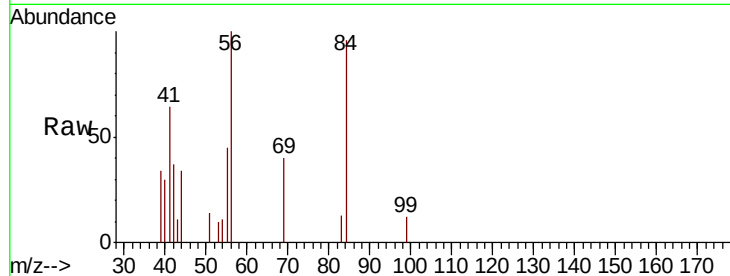




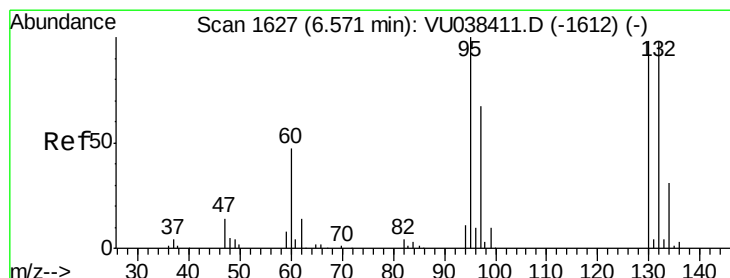
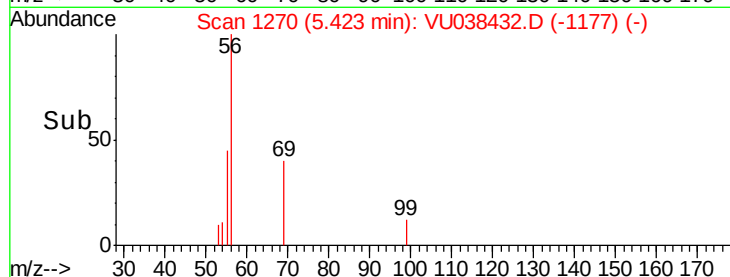
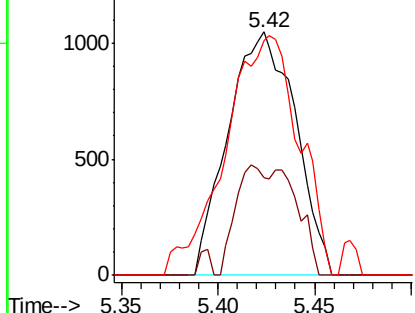
#30
Cyclohexane
Concen: 0.077 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038432.D
Acq: 30 May 2020 22:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 2536
Ion Ratio Lower Upper
56 100
69 22.2 24.2 36.4#
84 107.6 70.8 106.2#

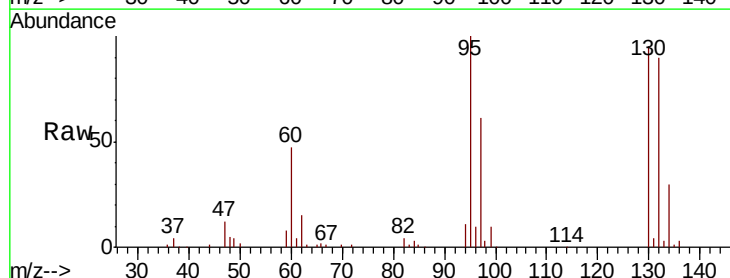


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

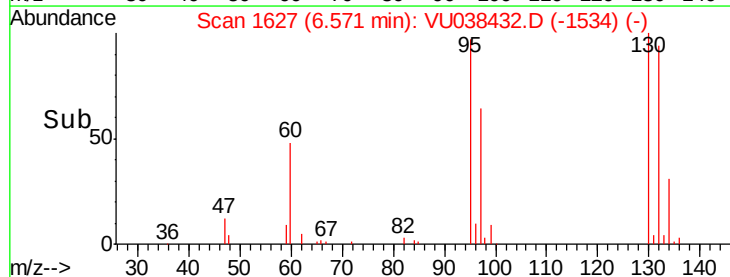
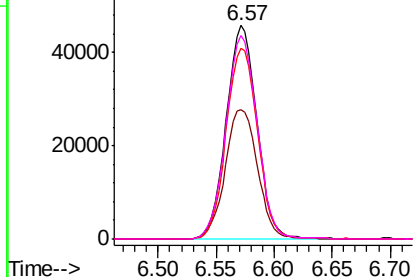


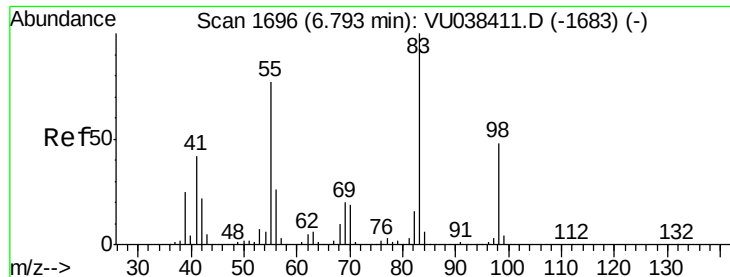
#34
Trichloroethene
Concen: 3.911 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038432.D
Acq: 30 May 2020 22:34

Tgt Ion: 95 Resp: 84364
Ion Ratio Lower Upper
95 100
97 60.7 46.8 87.0
132 89.5 66.1 122.7
130 95.2 70.0 130.0



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

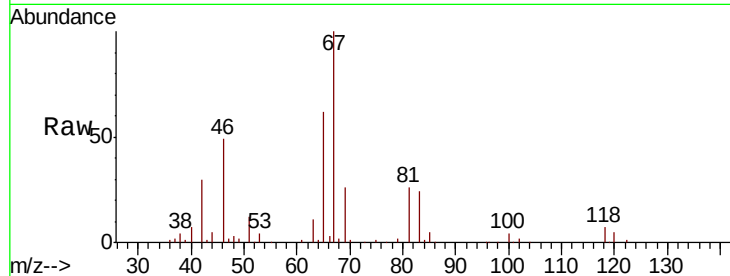




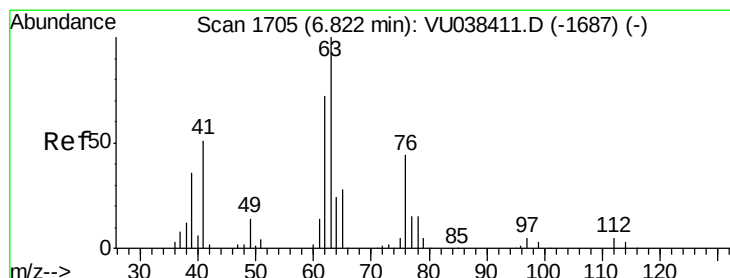
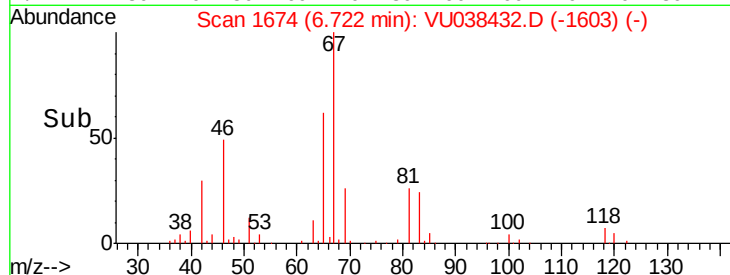
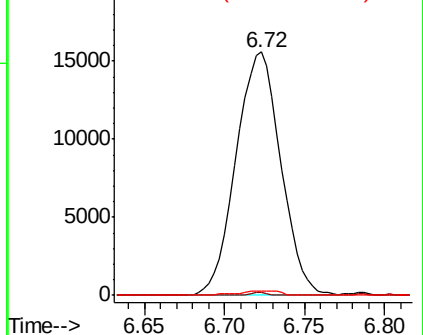
#35
Methylvlcyclohexane
Concen: 0.891 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038432.D
Acq: 30 May 2020 22:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 29770
Ion Ratio Lower Upper
83 100
55 0.4 63.4 95.2#
98 1.7 39.0 58.4#

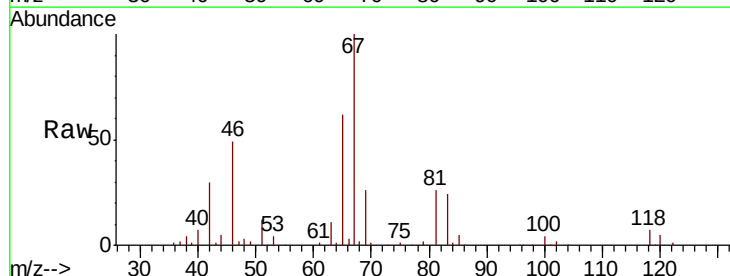


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

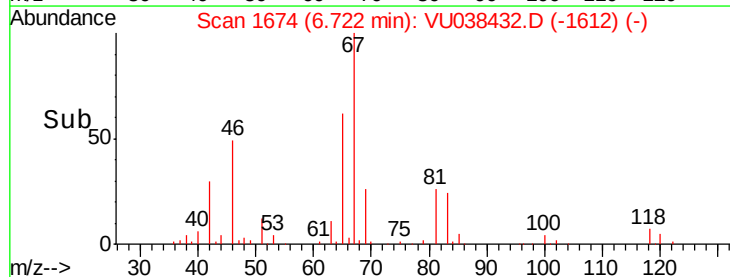
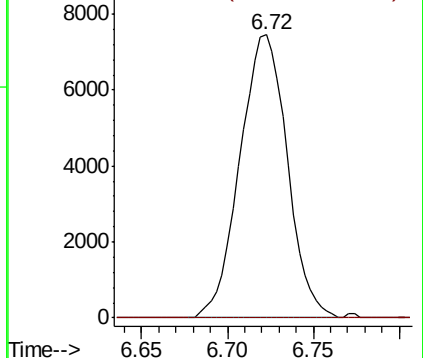


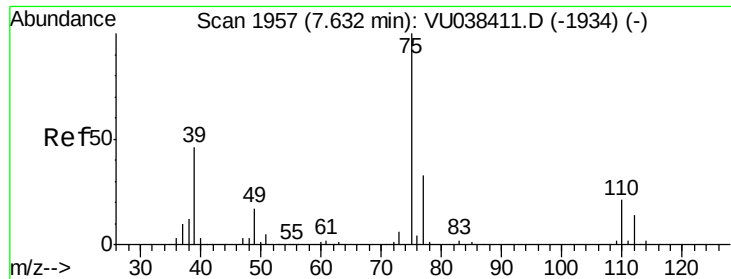
#37
1,2-Dichloropropane
Concen: 0.682 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038432.D
Acq: 30 May 2020 22:34

Tgt Ion: 63 Resp: 14266
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

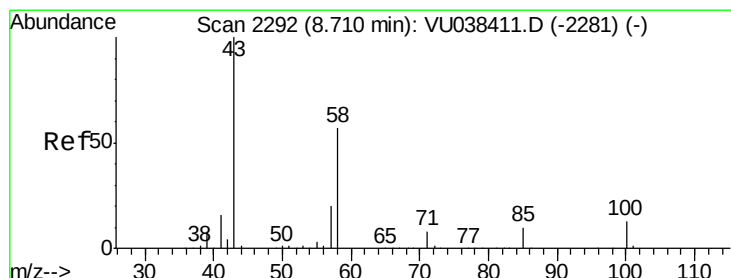
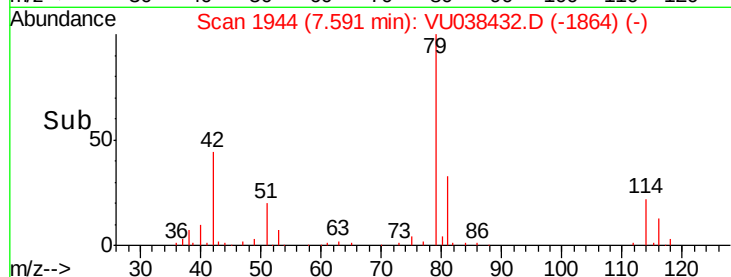
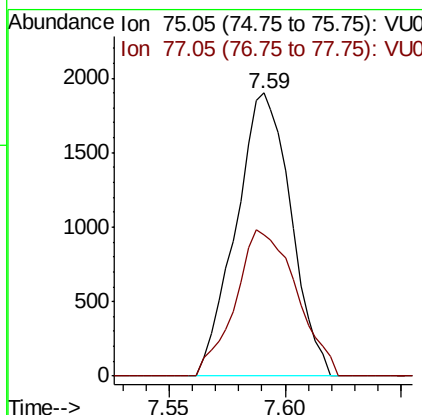
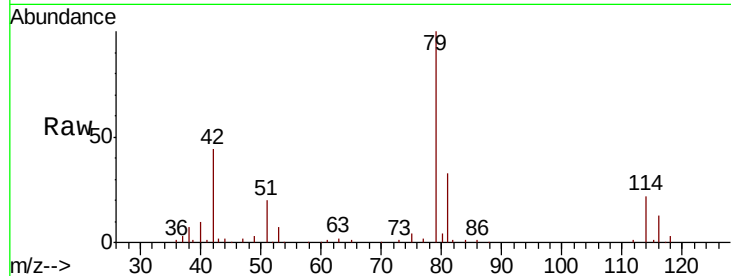




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038432.D
 Acq: 30 May 2020 22:34

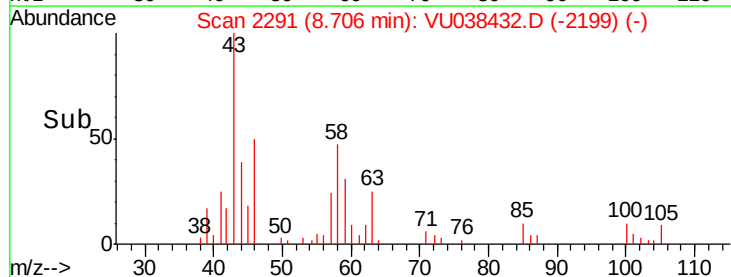
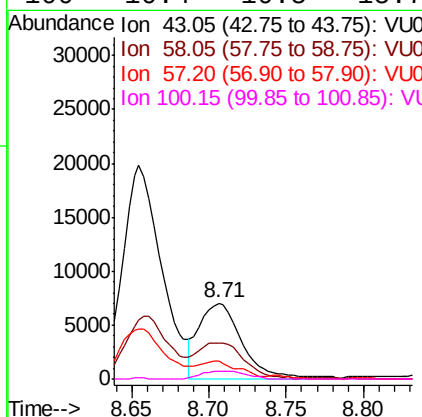
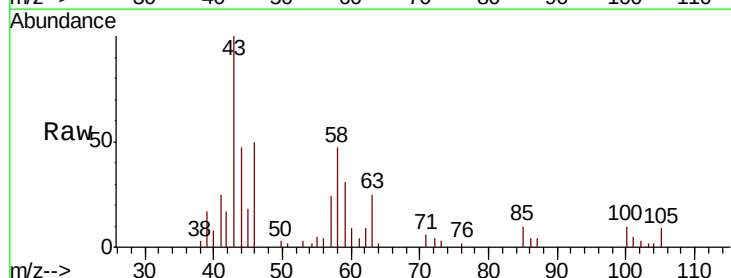
Instrument :
 MSVOA_U
 ClientSampled :

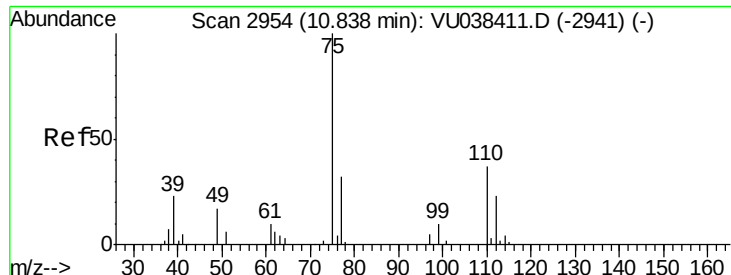
Tot Ion: 75 Resp: 3124
 Ion Ratio Lower Upper
 75 100
 77 49.8 21.9 40.7#



#48
 2-Hexanone
 Concen: 1.209 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038432.D
 Acq: 30 May 2020 22:34

Tgt Ion: 43 Resp: 13697
 Ion Ratio Lower Upper
 43 100
 58 54.1 45.4 68.0
 57 20.9 15.9 23.9
 100 10.4 10.5 15.7#





#59

1,2,3-Trichloropropane

Concen: 1.133 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038432.D

Acq: 30 May 2020 22:34

Instrument :

MSVOA_U

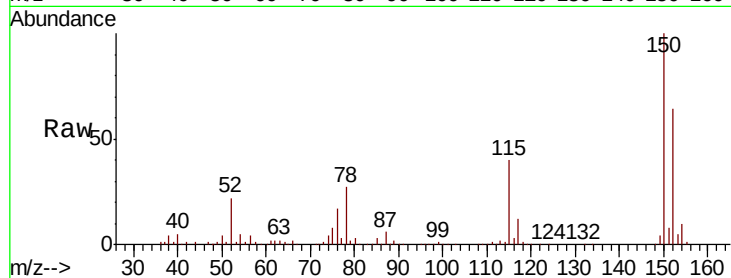
ClientSampleId :

Tot Ion: 75 Resp: 17685

Ion Ratio Lower Upper

75 100

77 37.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

