

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038217.D
 Acq On : 18 May 2020 14:02
 Operator : JC/MD
 Sample : L2657-04DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:25:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	361088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	351220	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	167968	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122690	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.92	69	108706	3.81	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.58	63	150195	2.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.40%#
20) 2-Butanone-d5	4.67	46	442487	54.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.60%
24) Chloroform-d	5.10	84	215241	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.74	65	133204	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.76	84	445832	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.72	67	154049	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.92	98	377512	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.20	79	57191	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.66	63	346738	53.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	133900	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	150337	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

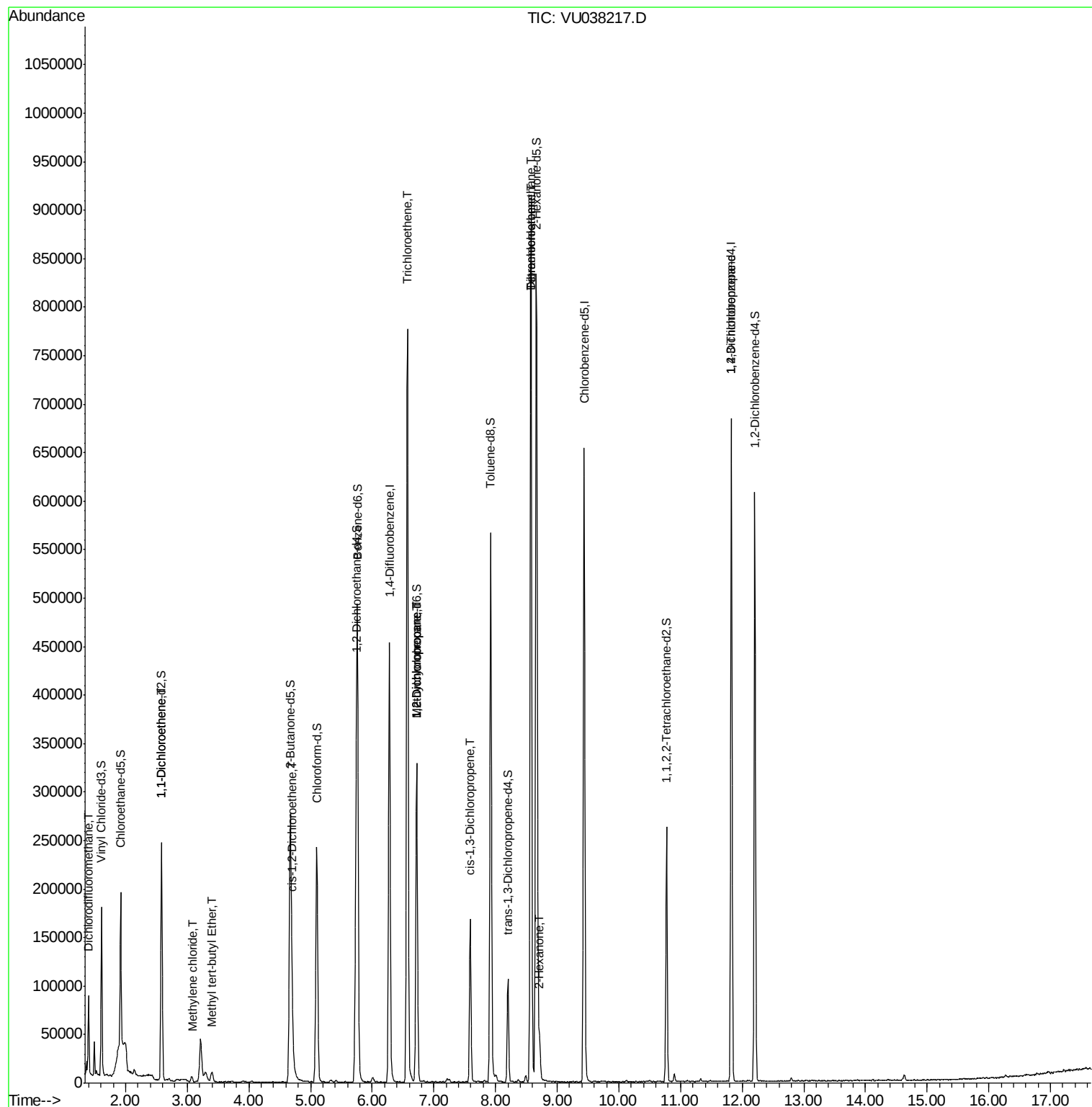
					Ovalue
2) Dichlorodifluoromethane	1.39	85	26338	0.798	ug/L 98
12) 1,1-Dichloroethene	2.59	96	2566	0.102	ug/L # 1
16) Methylene chloride	3.07	84	2642	0.090	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	10160	0.146	ug/L # 87
22) cis-1,2-Dichloroethene	4.70	96	11674	0.396	ug/L 95
34) Trichloroethene	6.57	95	261566	9.298	ug/L 98
35) Methylcyclohexane	6.72	83	33230	0.729	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	16595	0.543	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3608	0.083	ug/L # 47
47) Tetrachloroethene	8.57	164	198550	10.091	ug/L 98
48) 2-Hexanone	8.72	43	22783	1.469	ug/L 97
49) Dibromochloromethane	8.57	129	190624	8.658	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	23130	1.128	ug/L 92

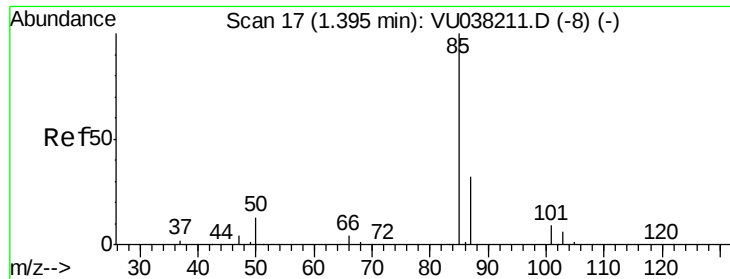
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.798 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

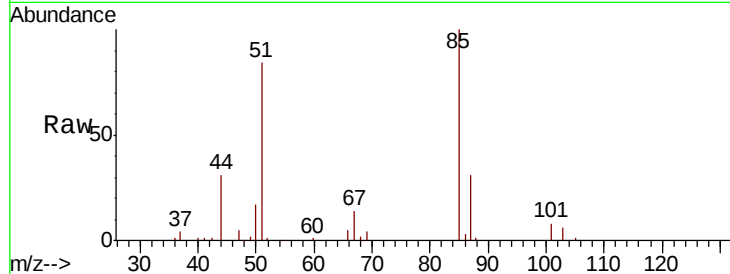
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 26338

Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.4

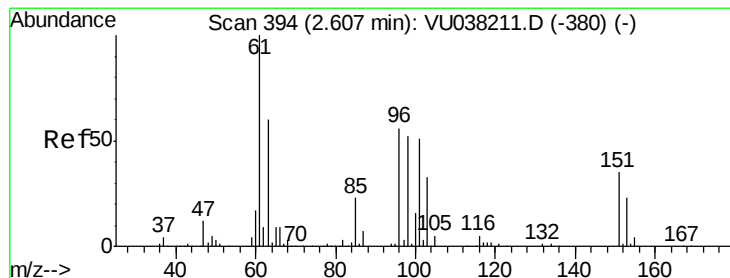
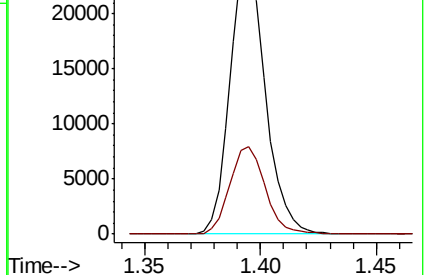
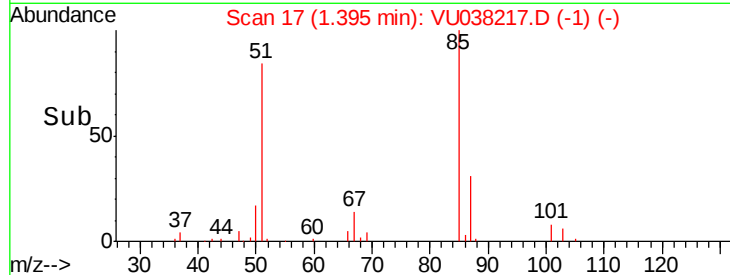


Abundance Ion 85.00 (84.70 to 85.70): VU038217.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038217.D (-8) (-)

1.39

Time-->



#12

1,1-Dichloroethene

Concen: 0.102 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

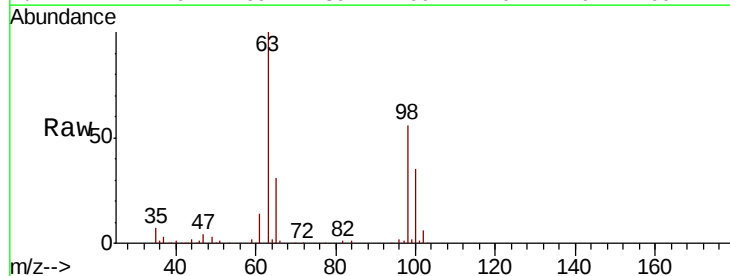
Tgt Ion: 96 Resp: 2566

Ion Ratio Lower Upper

96 100

61 692.0 126.2 234.4#

63 5041.8 96.9 179.9#



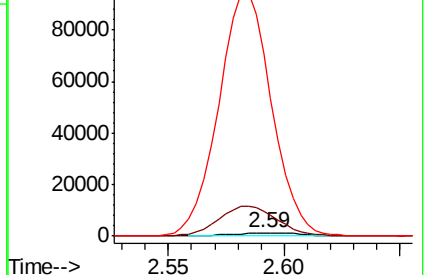
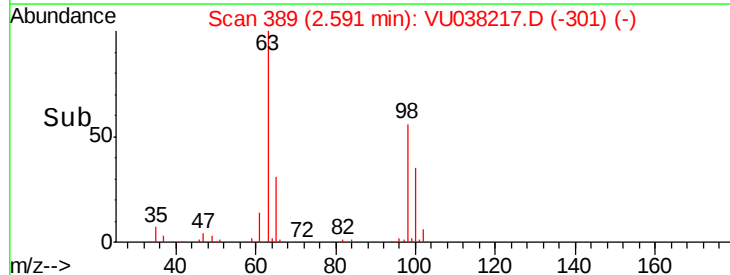
Abundance Ion 96.00 (95.70 to 96.70): VU038217.D (-380) (-)

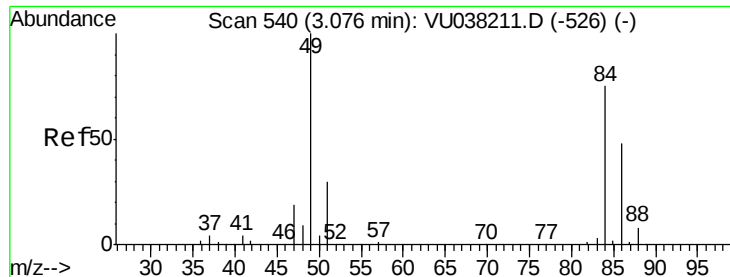
Ion 61.05 (60.75 to 61.75): VU038217.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038217.D (-380) (-)

2.59

Time-->

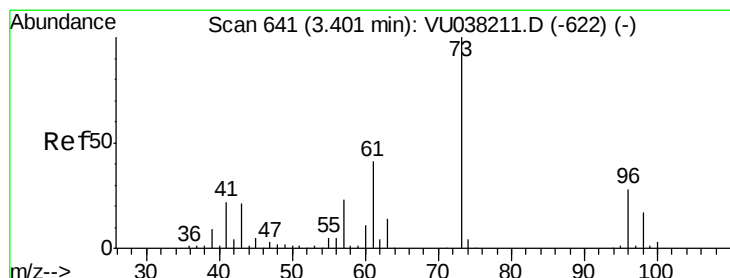
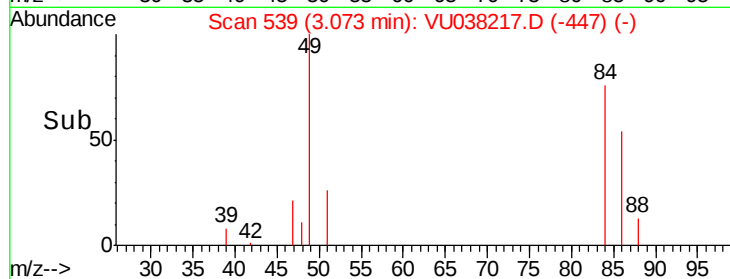
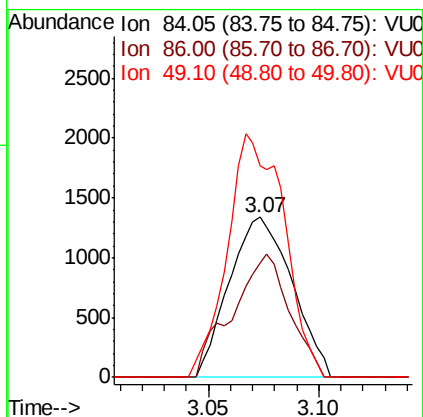
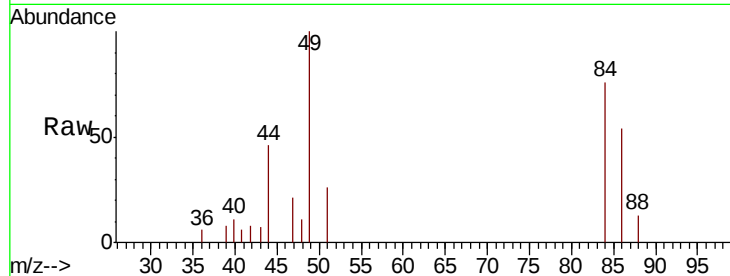




#16
Methylene chloride
Concen: 0.090 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038217.D
Acq: 18 May 2020 14:02

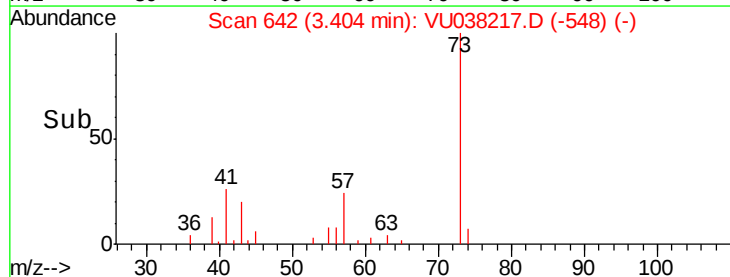
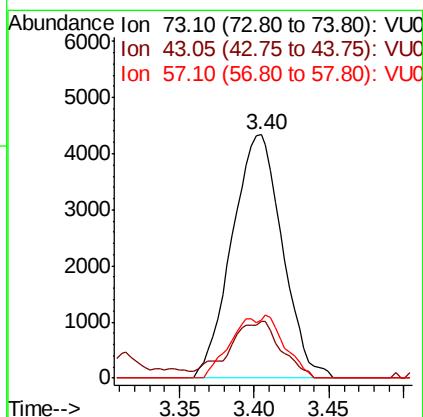
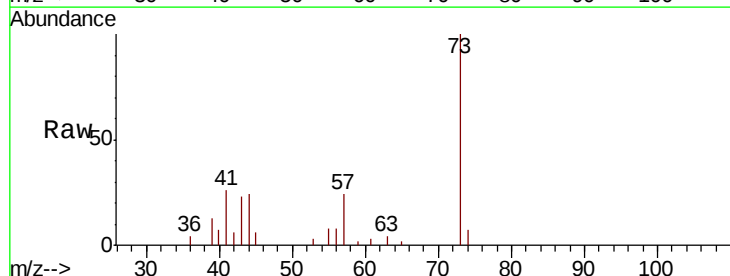
Instrument :
MSVOA_U
ClientSampled :

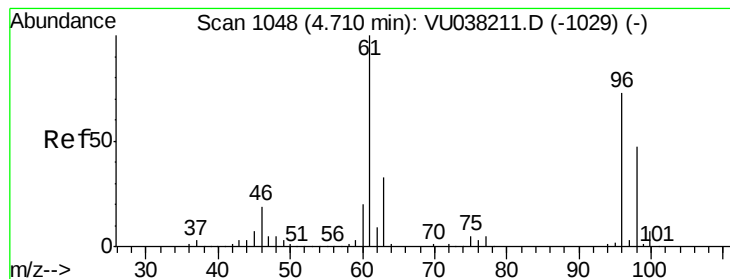
Tot Ion: 84 Resp: 2642
Ion Ratio Lower Upper
84 100
86 71.8 44.9 83.3
49 132.0 92.0 170.9



#17
Methyl tert-butyl Ether
Concen: 0.146 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU038217.D
Acq: 18 May 2020 14:02

Tgt Ion: 73 Resp: 10160
Ion Ratio Lower Upper
73 100
43 24.1 16.9 25.3
57 13.8 18.2 27.2#





#22

cis-1,2-Dichloroethene

Concen: 0.396 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

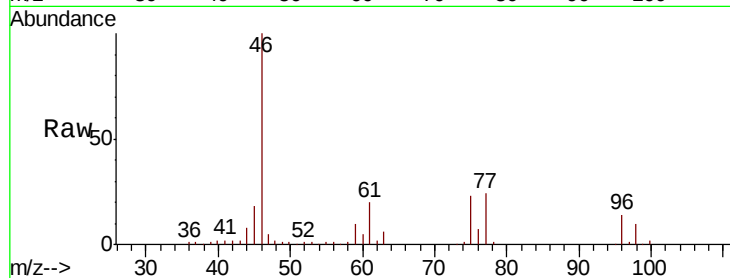
Tot Ion: 96 Resp: 11674

Ion Ratio Lower Upper

96 100

61 142.6 95.3 176.9

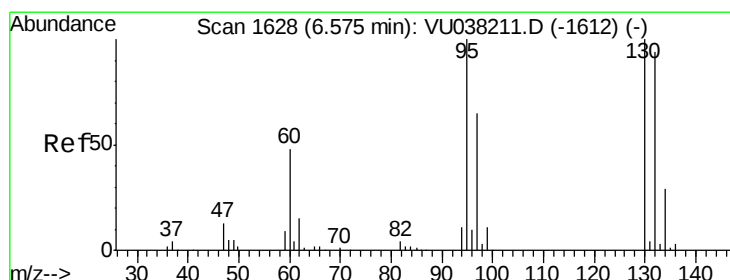
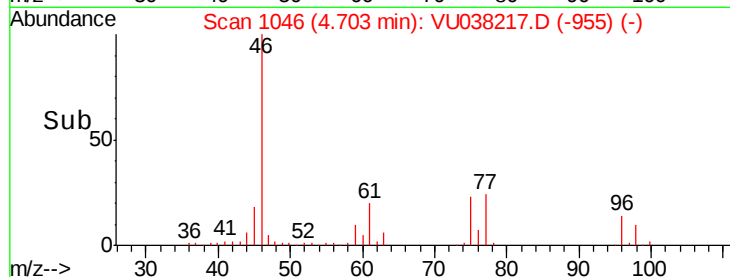
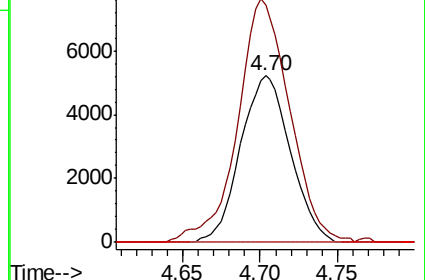
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038217.D (-1535) (-)

Ion 61.05 (60.75 to 61.75): VU038217.D (-1535) (-)

Ion 68.15 (67.85 to 68.85): VU038217.D (-1535) (-)



#34

Trichloroethene

Concen: 9.298 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

Tgt Ion: 95 Resp: 261566

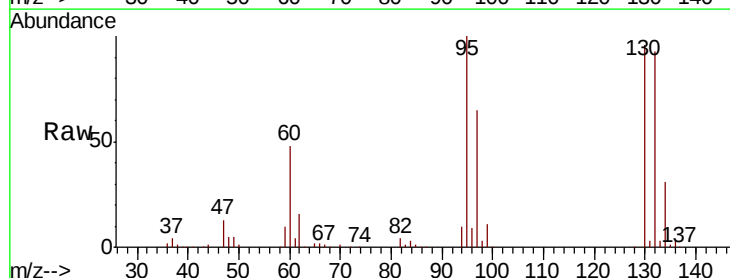
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.3

132 93.0 63.3 117.5

130 95.8 65.7 122.1

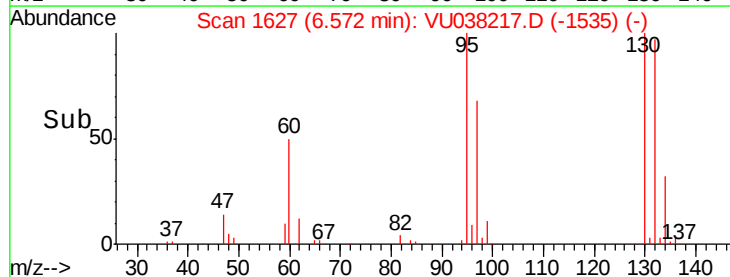
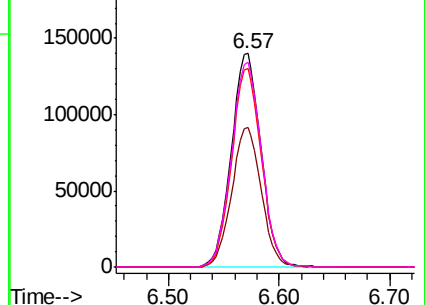


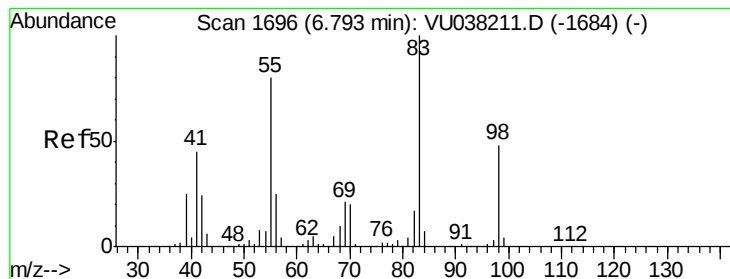
Abundance Ion 95.00 (94.70 to 95.70): VU038217.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU038217.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU038217.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU038217.D (-1535) (-)





#35

Methvlcvclohexane

Concen: 0.729 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

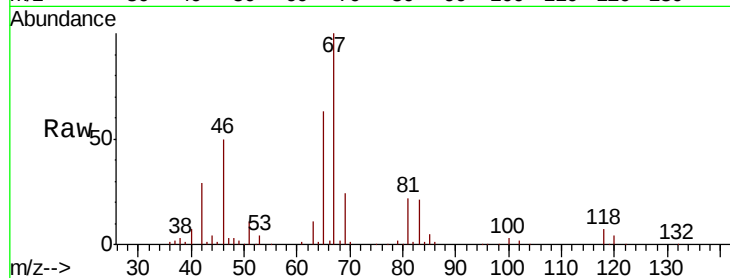
Tot Ion: 83 Resp: 33230

Ion Ratio Lower Upper

83 100

55 0.8 66.7 100.1#

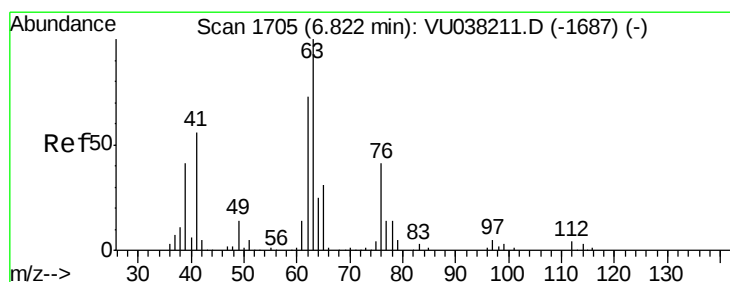
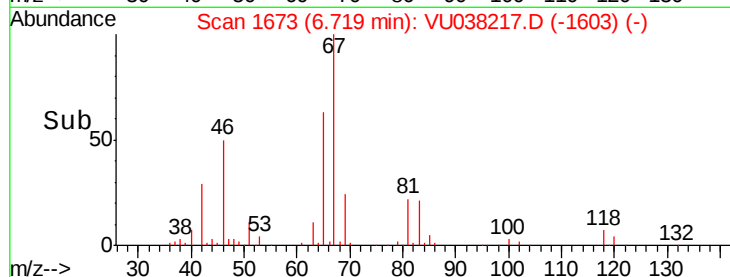
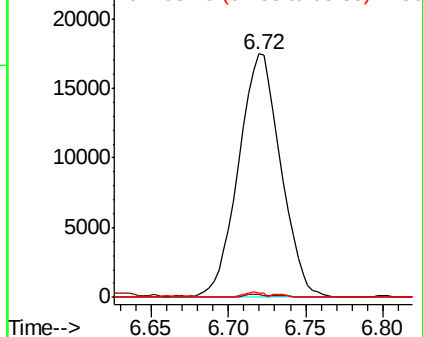
98 0.9 39.4 59.2#



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: 0.543 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038217.D

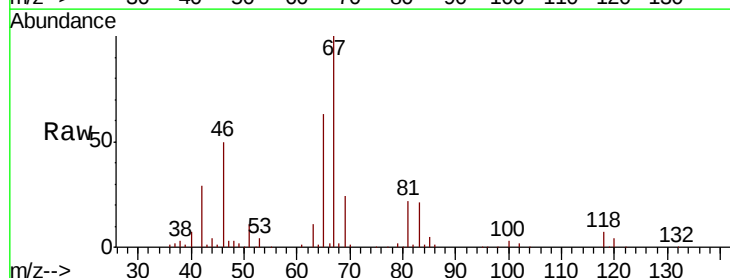
Acq: 18 May 2020 14:02

Tgt Ion: 63 Resp: 16595

Ion Ratio Lower Upper

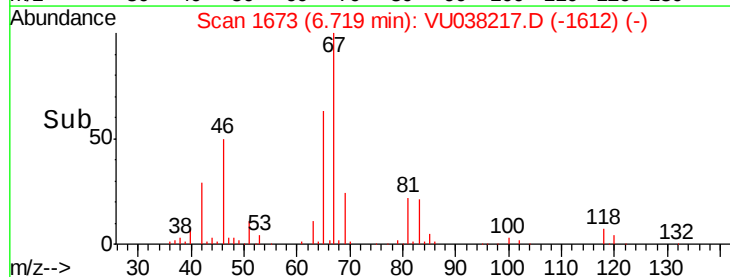
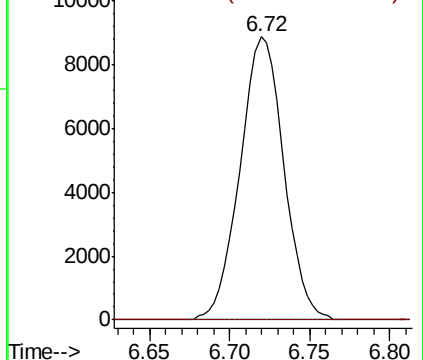
63 100

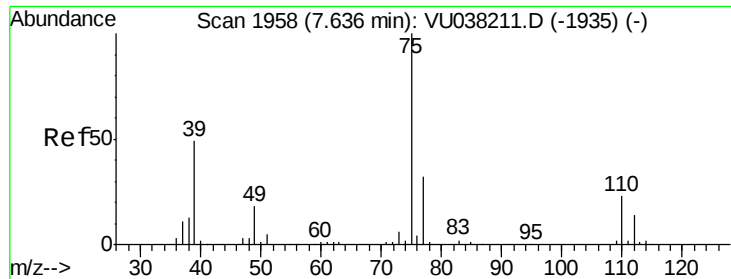
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

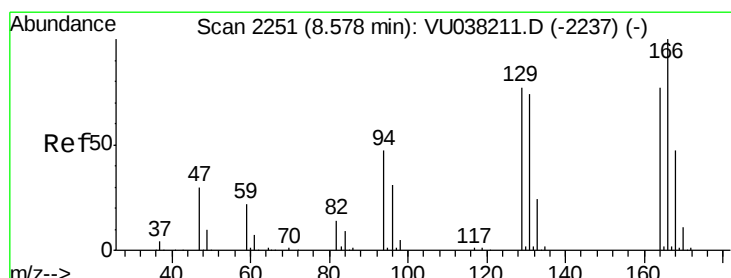
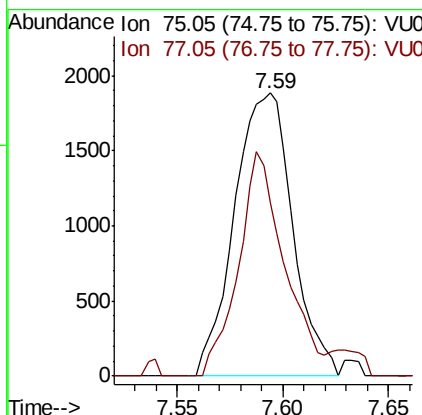
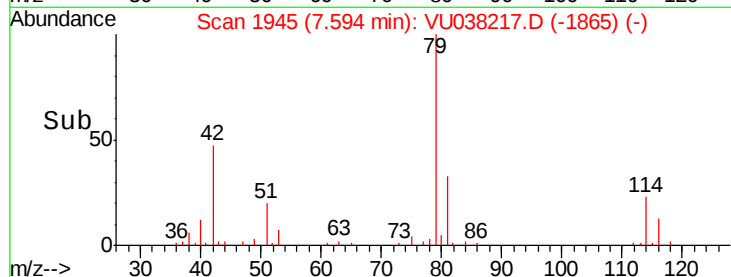
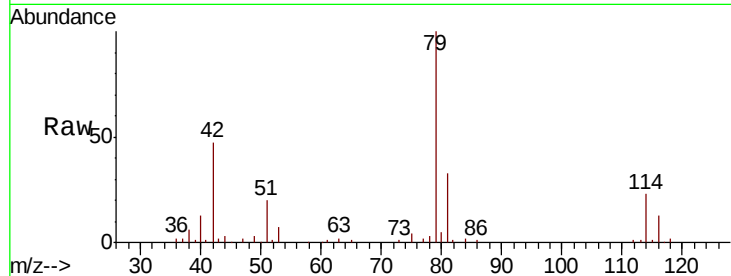




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038217.D
 Acq: 18 May 2020 14:02

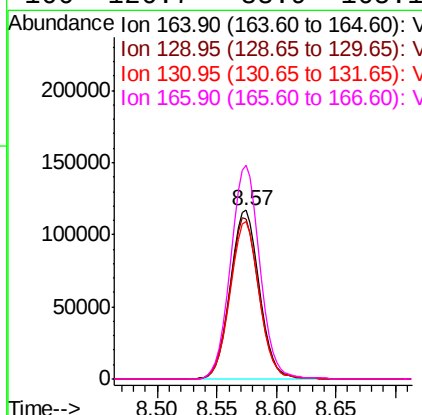
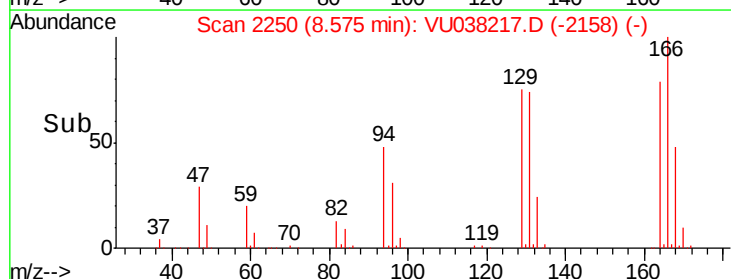
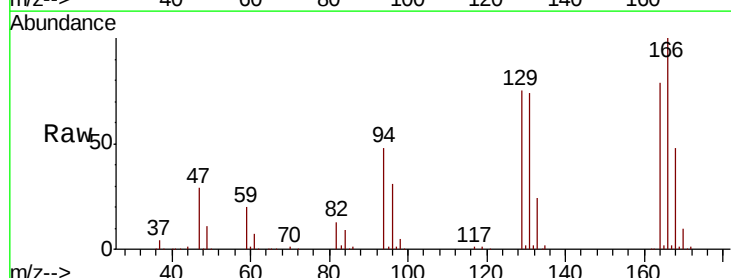
Instrument :
 MSVOA_U
 ClientSampleId :

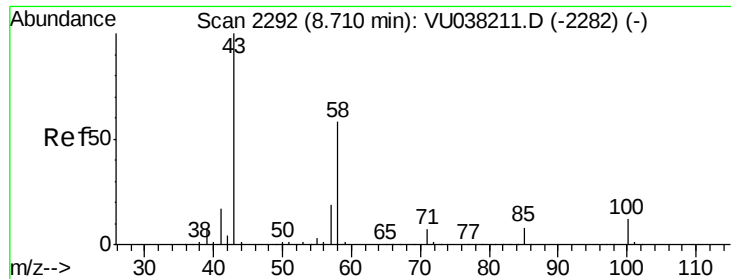
Tot Ion: 75 Resp: 3608
 Ion Ratio Lower Upper
 75 100
 77 61.3 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 10.091 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038217.D
 Acq: 18 May 2020 14:02

Tgt Ion: 164 Resp: 198550
 Ion Ratio Lower Upper
 164 100
 129 95.0 68.8 127.8
 131 93.2 66.8 124.2
 166 126.7 88.9 165.1

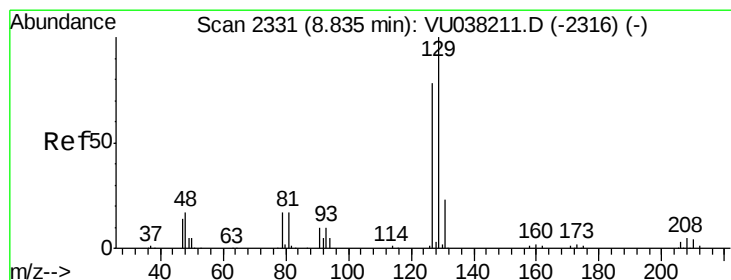
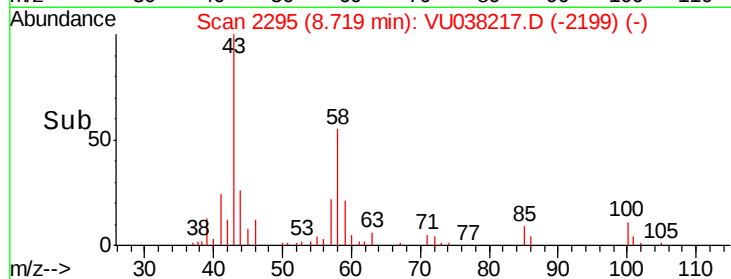
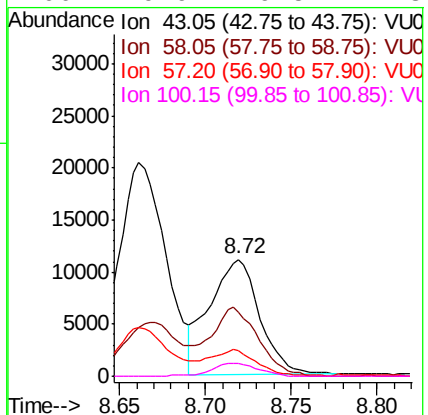
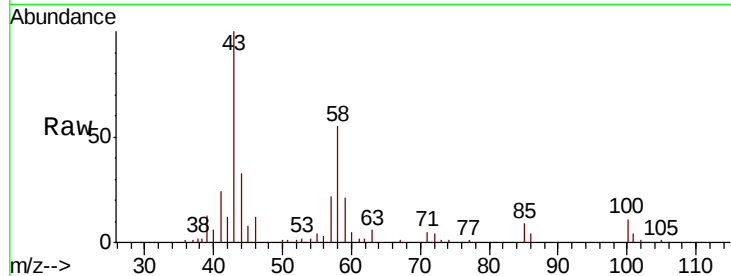




#48
2-Hexanone
Concen: 1.469 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038217.D
Acq: 18 May 2020 14:02

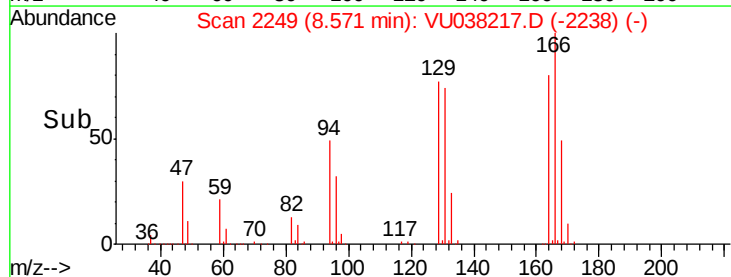
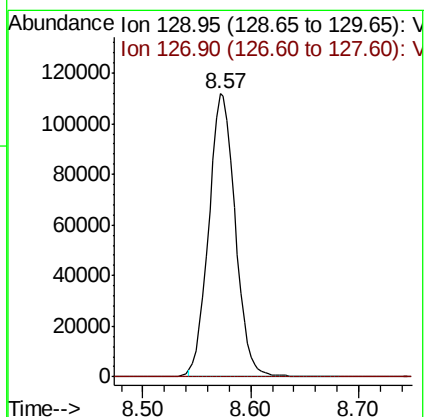
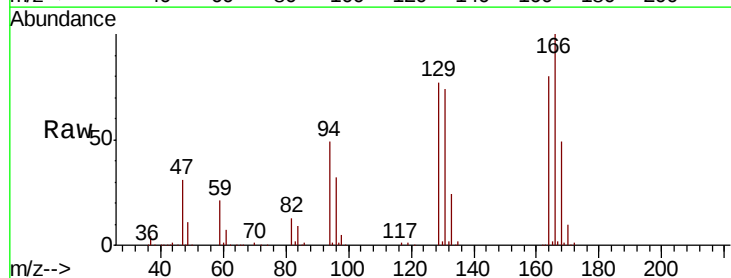
Instrument :
MSVOA_U
ClientSampled :

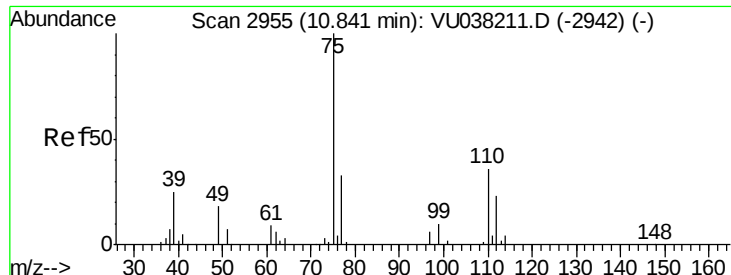
Tot Ion:	43	Resp:	22783
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.2	67.8
57	22.1	15.5	23.3
100	9.9	9.5	14.3



#49
Dibromochloromethane
Concen: 8.658 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038217.D
Acq: 18 May 2020 14:02

Tgt Ion:	129	Resp:	190624
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#59

1,2,3-Trichloropropane

Concen: 1.128 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038217.D

Acq: 18 May 2020 14:02

Instrument :

MSVOA_U

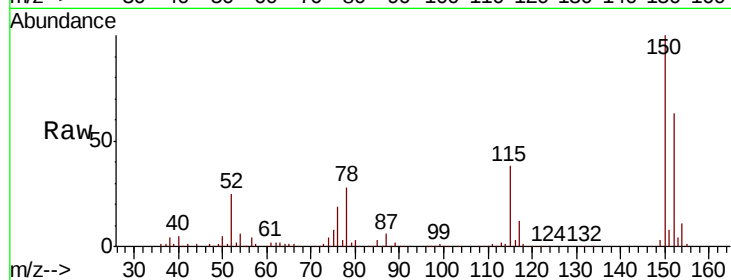
ClientSampleId :

Tot Ion: 75 Resp: 23130

Ion Ratio Lower Upper

75 100

77 35.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

