

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037915.D
 Acq On : 29 Apr 2020 16:36
 Operator : JC/MD
 Sample : L2411-02MS
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:21:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	589005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	575729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	266190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	207398	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	194249	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.59	63	381934	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
21) 2-Butanone-d5	4.66	46	476758	116.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.92%
24) Chloroform-d	5.10	84	409512	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	5.74	65	284706	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.90%
32) Benzene-d6	5.76	84	848629	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.72	67	291384	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.02%
41) Toluene-d8	7.92	98	758654	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.20	79	134856	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.65	63	384146	129.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.59%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	425312	56.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.28%
64) 1,2-Dichlorobenzene-d4	12.20	152	286906	55.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.78%

Target Compounds

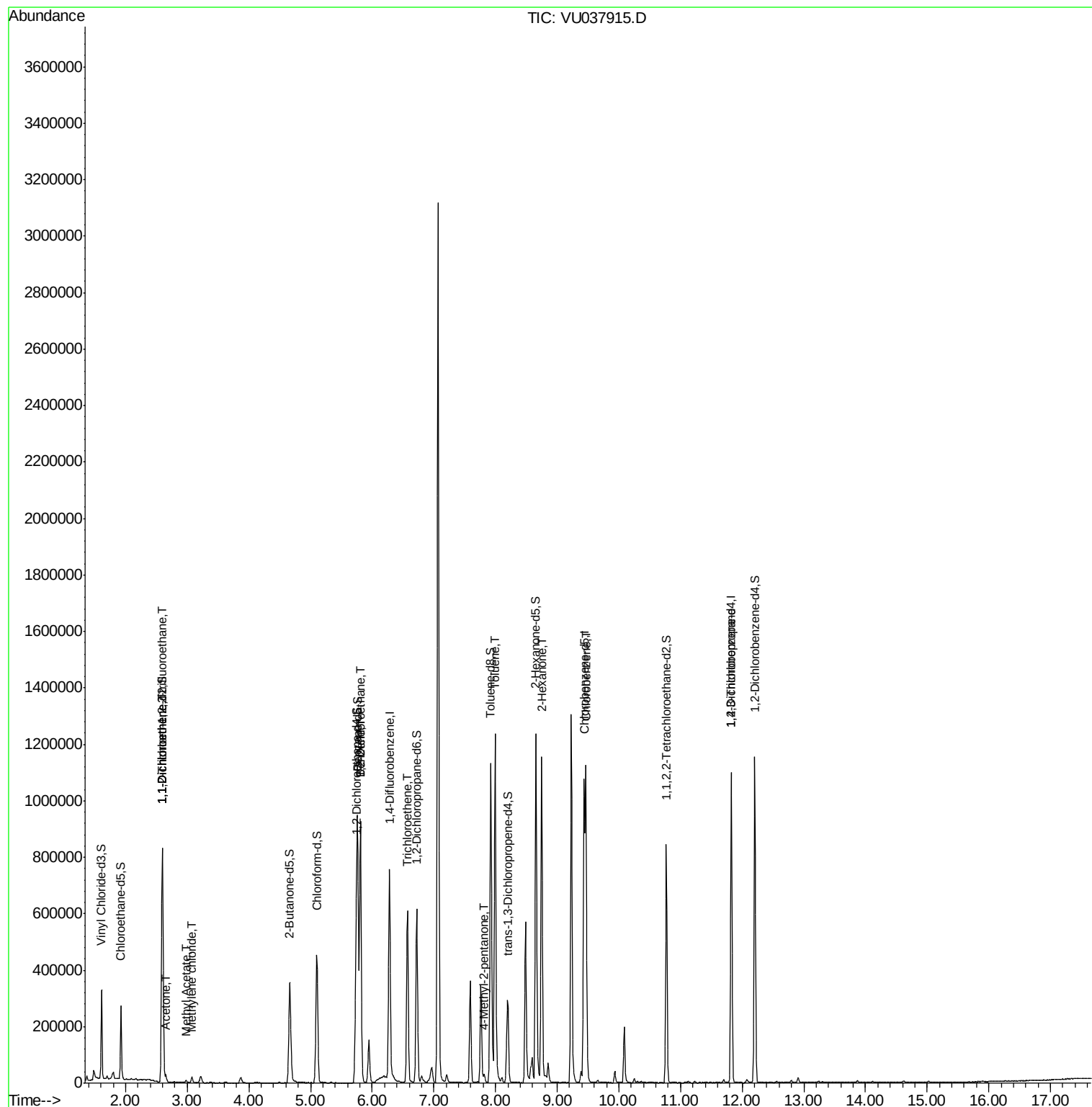
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2958	0.817	ug/L #	21
12) 1,1-Dichloroethene	2.60	96	176417	49.335	ug/L	90
13) Acetone	2.65	43	29752	12.229	ug/L	99
15) Methyl Acetate	2.98	43	9496	1.615	ug/L	97
16) Methylene chloride	3.08	84	9107	2.143	ug/L	98
27) 1,2-Dichloroethane	5.81	62	7852	1.216	ug/L #	75
33) Benzene	5.81	78	858874	49.150	ug/L	100
34) Trichloroethene	6.57	95	204692	47.755	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	16594	1.999	ug/L	98
42) Toluene	7.99	91	912194	49.789	ug/L	99
48) 2-Hexanone	8.75	43	159058	24.237	ug/L #	1
51) Chlorobenzene	9.47	112	564582	49.543	ug/L	100
59) 1,2,3-Trichloropropane	11.82	75	36940	5.762	ug/L	91

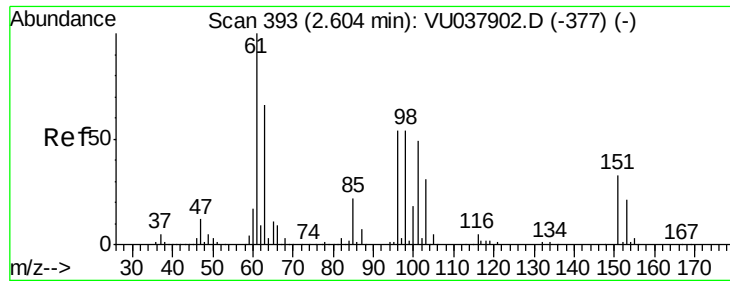
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.817 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampled :

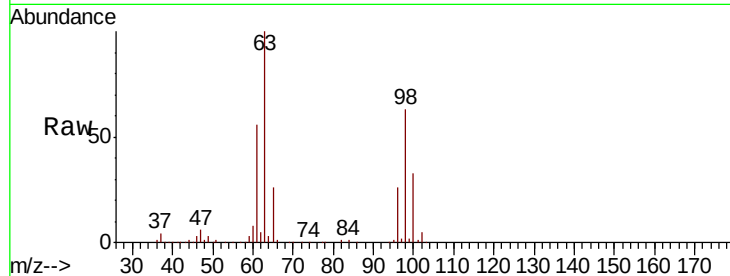
Tot Ion:101 Resp: 2958

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

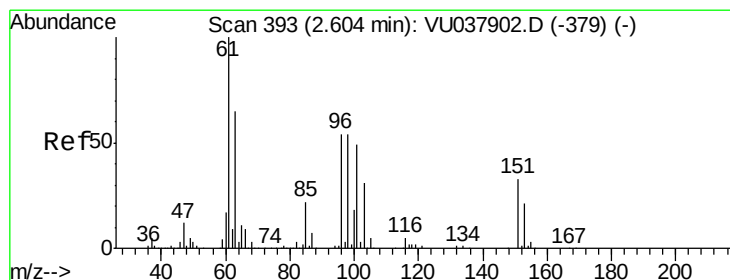
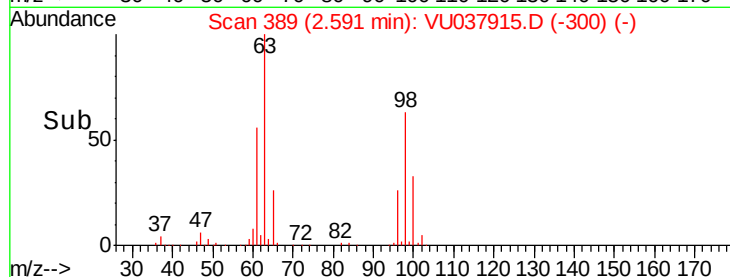
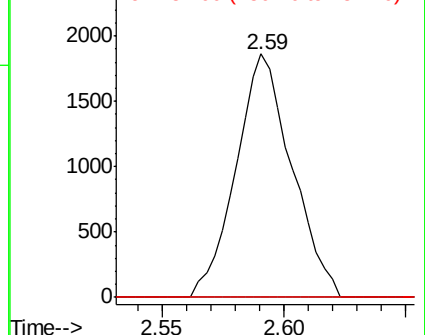
151 0.0 55.5 83.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.335 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

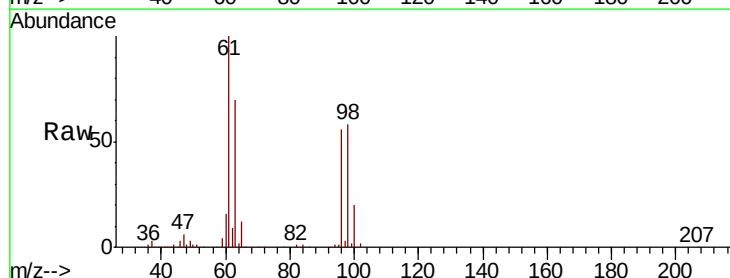
Tgt Ion: 96 Resp: 176417

Ion Ratio Lower Upper

96 100

61 178.3 134.1 249.0

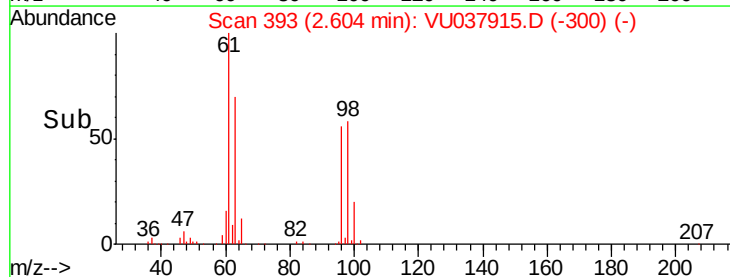
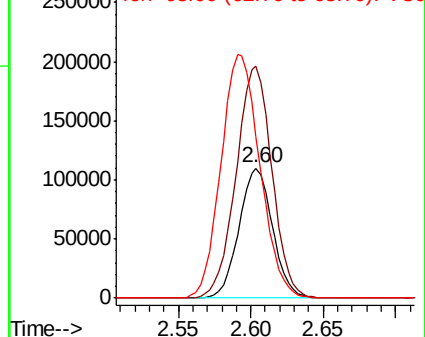
63 124.1 96.5 179.1

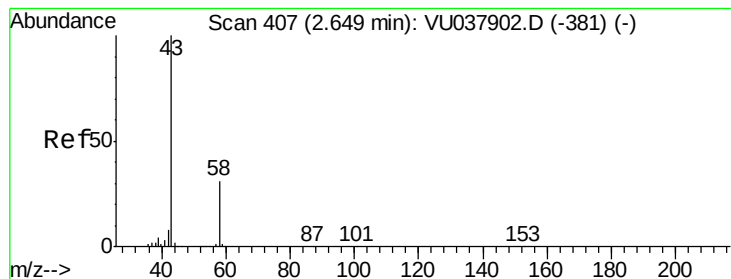


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.229 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

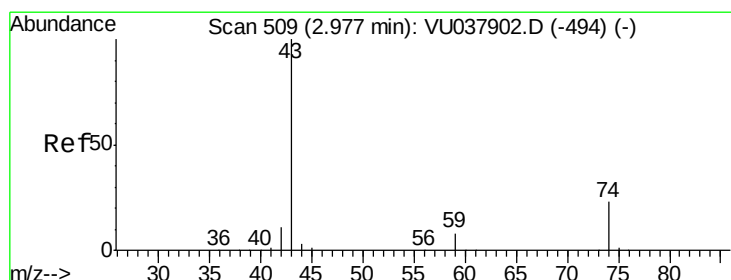
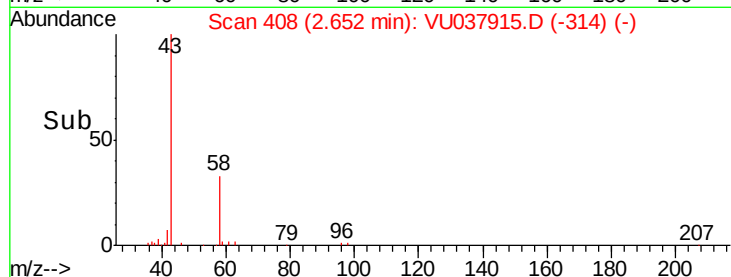
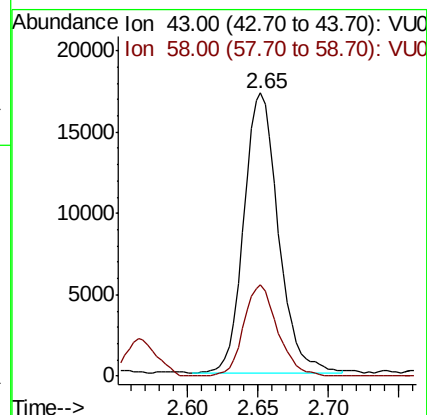
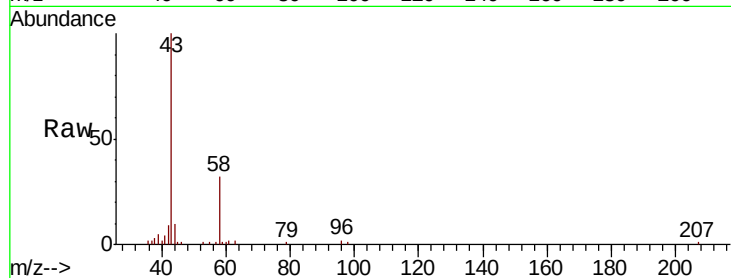
ClientSampleId :

Tot Ion: 43 Resp: 29752

Ion Ratio Lower Upper

43 100

58 31.8 0.0 62.0



#15

Methyl Acetate

Concen: 1.615 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037915.D

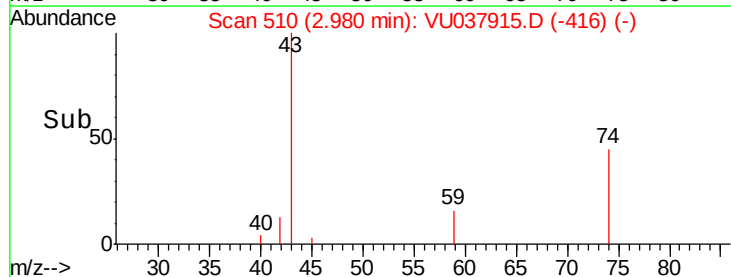
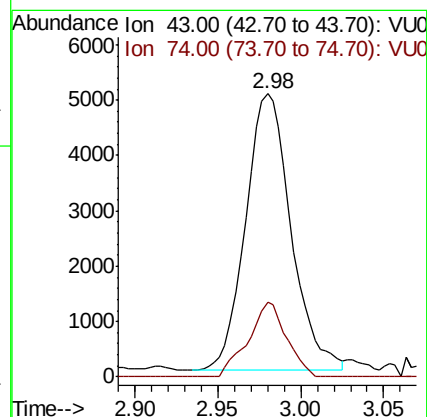
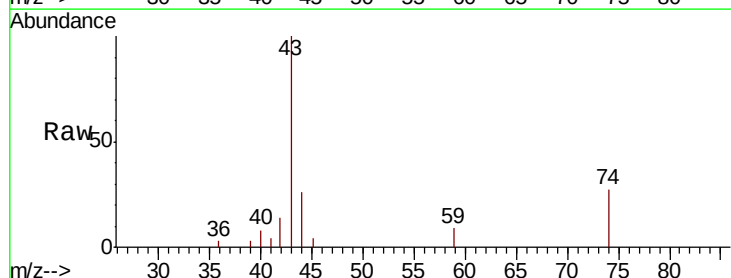
Acq: 29 Apr 2020 16:36

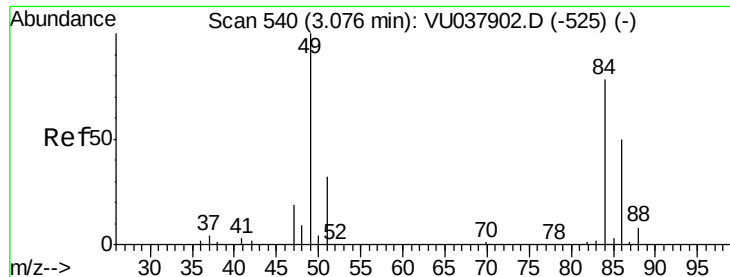
Tgt Ion: 43 Resp: 9496

Ion Ratio Lower Upper

43 100

74 22.6 17.0 25.4

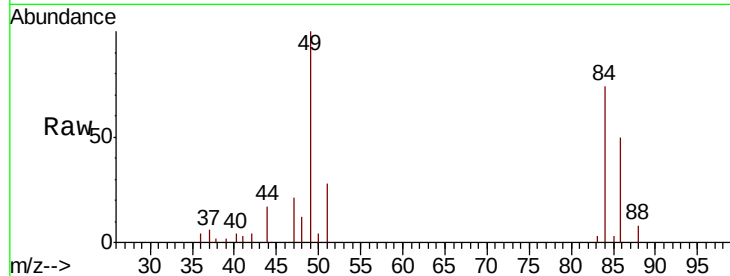




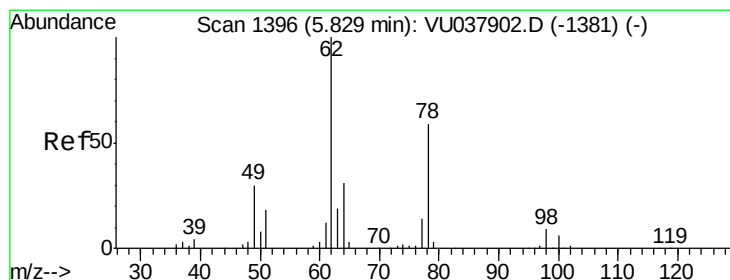
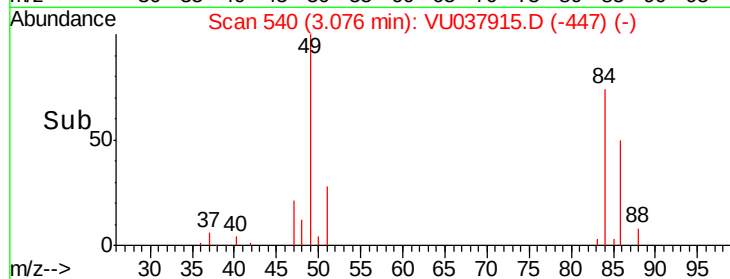
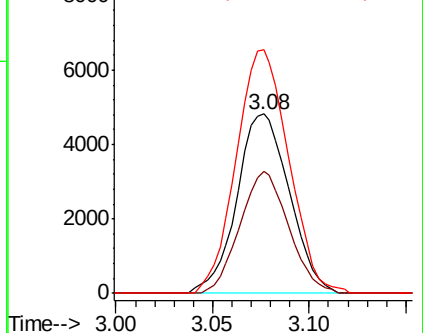
#16
Methylene chloride
Concen: 2.143 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 9107
Ion Ratio Lower Upper
84 100
86 68.1 43.5 80.7
49 135.9 95.1 176.7

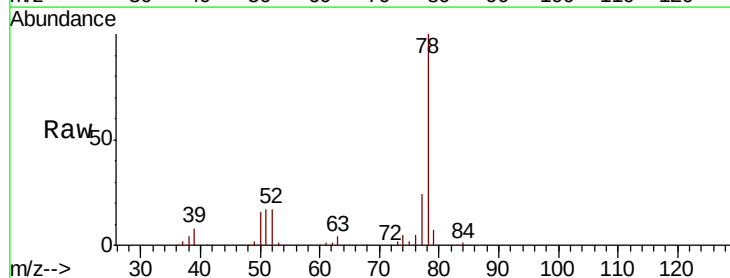


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

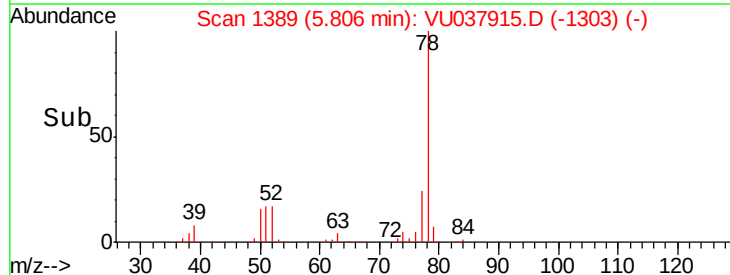
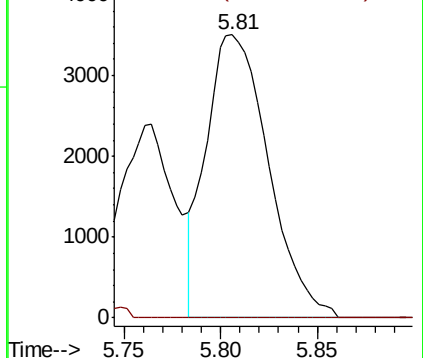


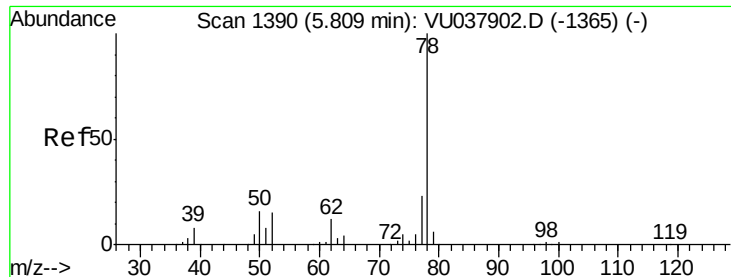
#27
1,2-Dichloroethane
Concen: 1.216 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Tgt Ion: 62 Resp: 7852
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 49.150 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037915.D

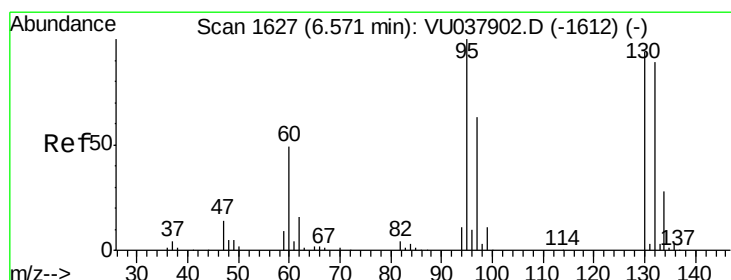
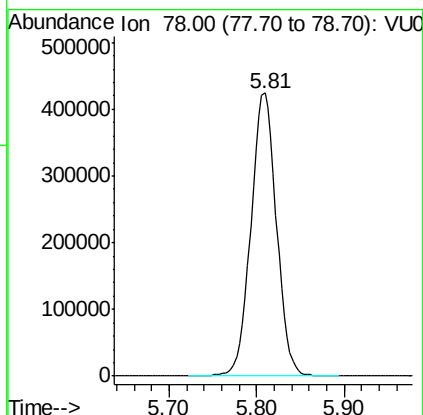
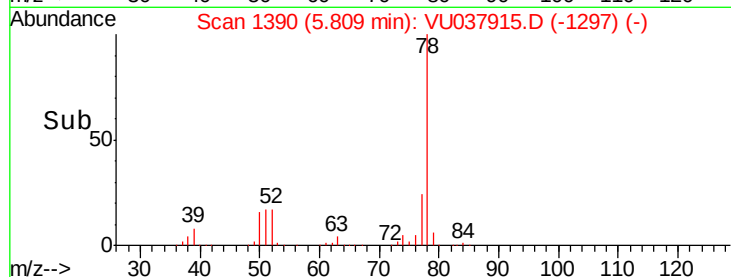
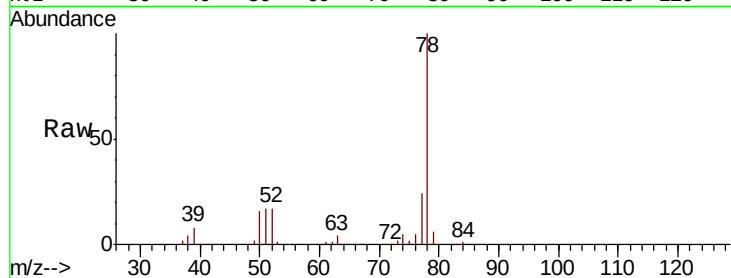
Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 858874



#34

Trichloroethene

Concen: 47.755 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Tgt Ion: 95 Resp: 204692

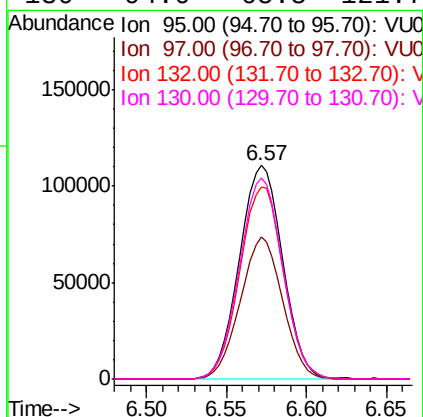
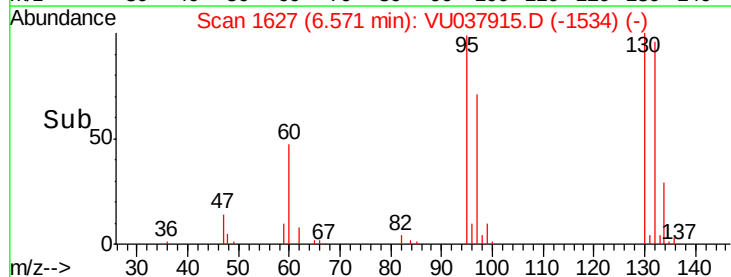
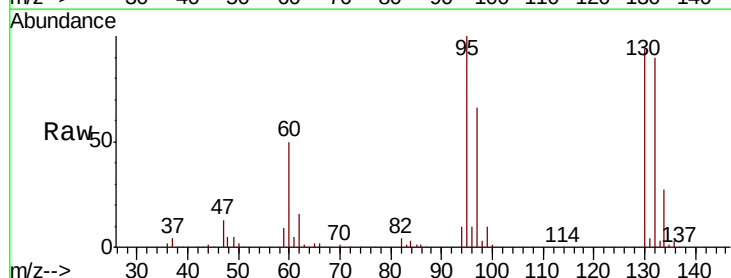
Ion	Ratio	Lower	Upper
95	100		
97	66.3	44.4	82.5
132	90.2	65.0	120.6
130	94.0	65.5	121.7

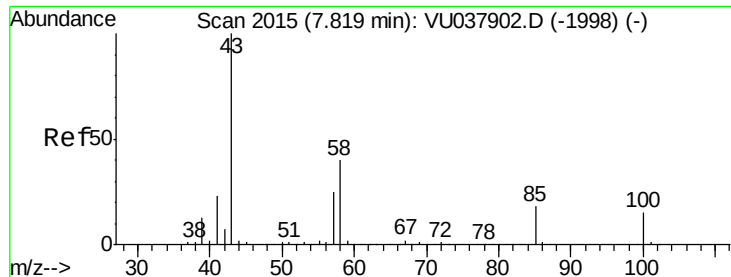
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

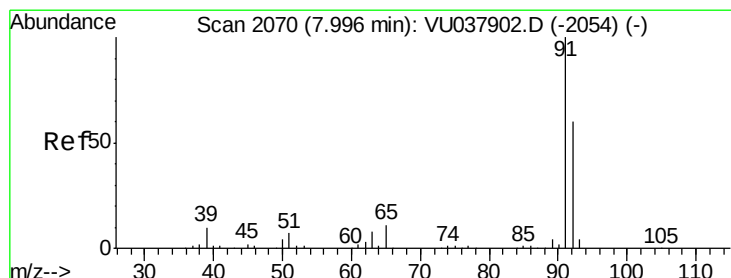
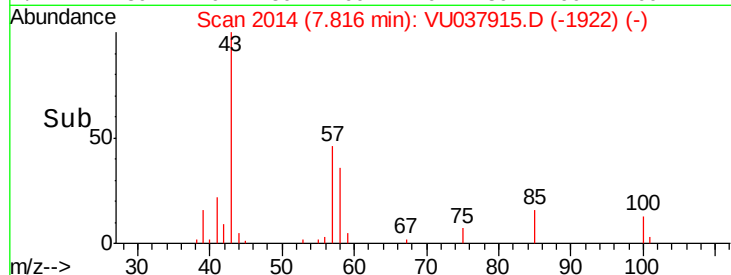
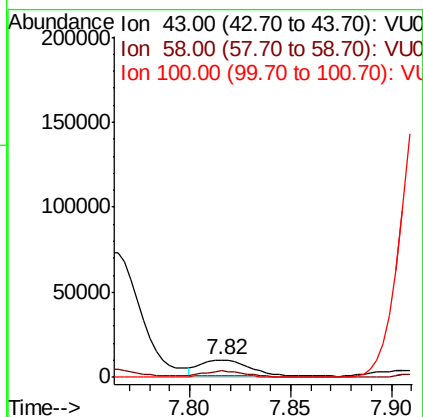
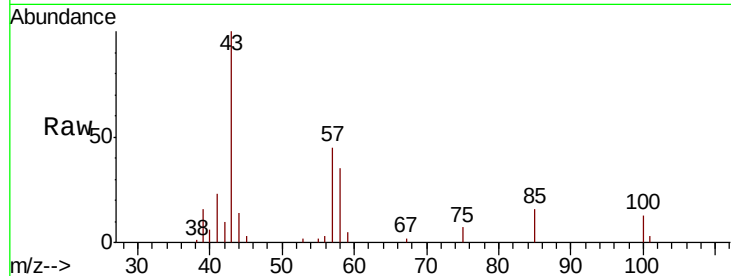




#40
4-Methyl-2-pentanone
Concen: 1.999 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

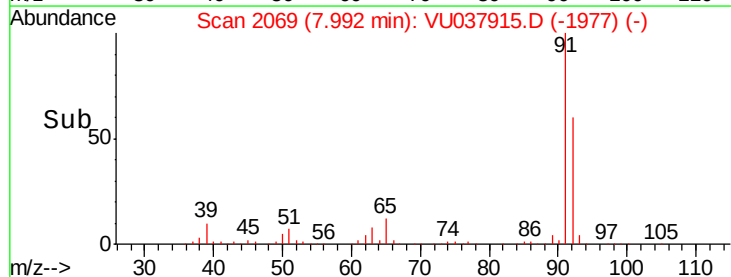
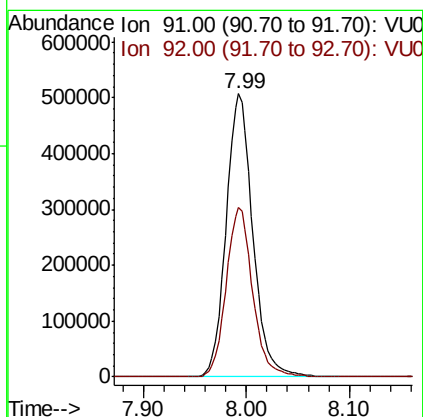
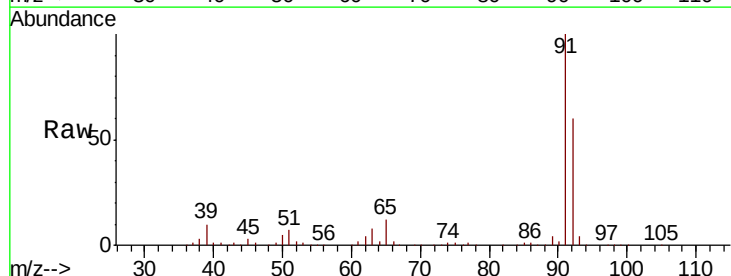
Instrument :
MSVOA_U
ClientSampleId :

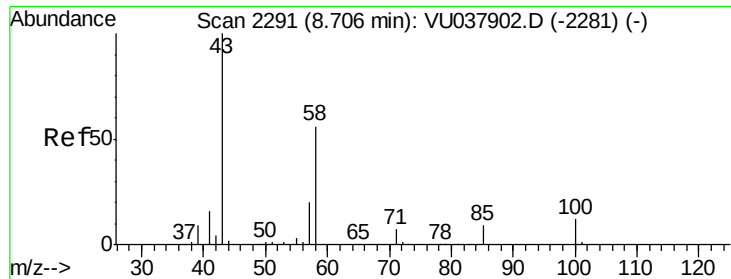
Tot Ion: 43 Resp: 16594
Ion Ratio Lower Upper
43 100
58 36.0 30.2 45.2
100 14.3 10.9 16.3



#42
Toluene
Concen: 49.789 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Tgt Ion: 91 Resp: 912194
Ion Ratio Lower Upper
91 100
92 59.9 41.2 76.6

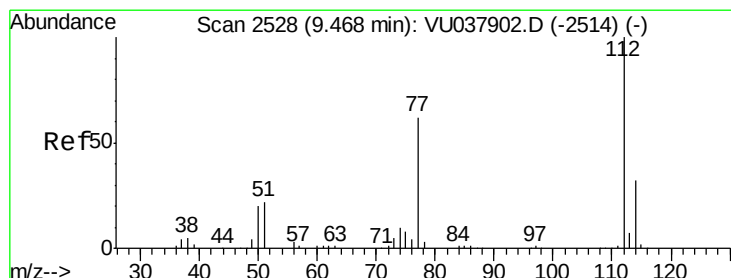
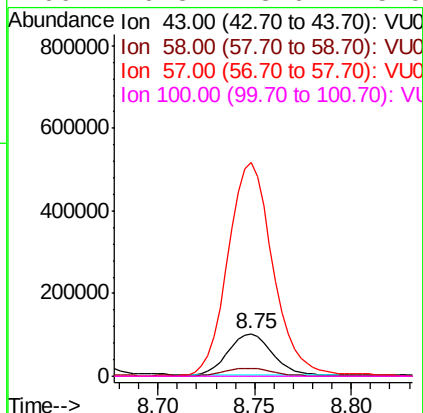
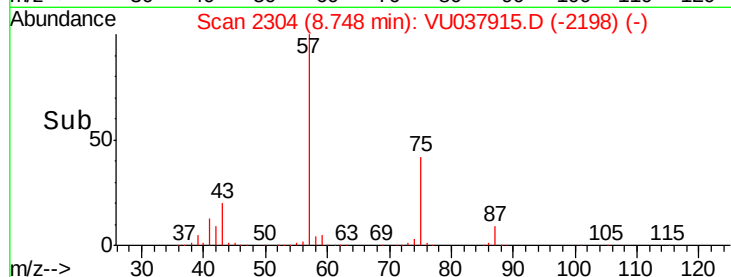
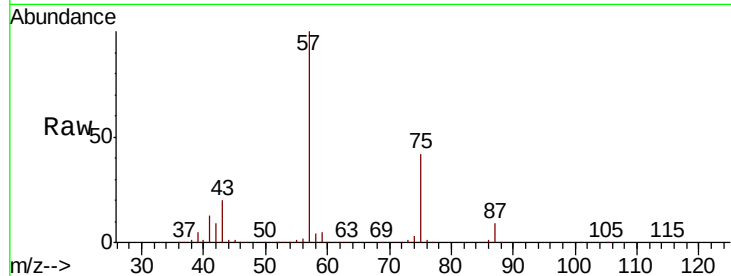




#48
2-Hexanone
Concen: 24.237 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.04 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

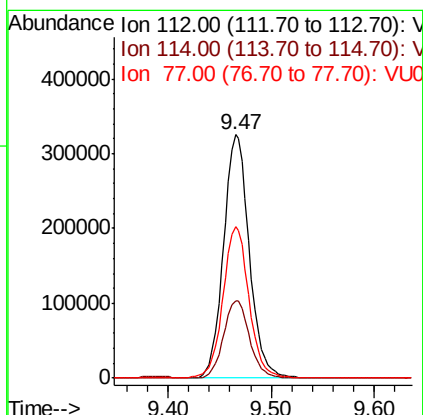
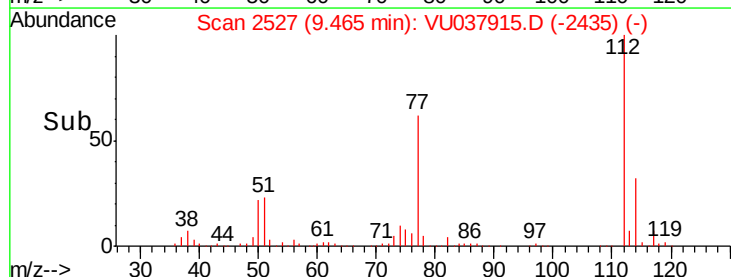
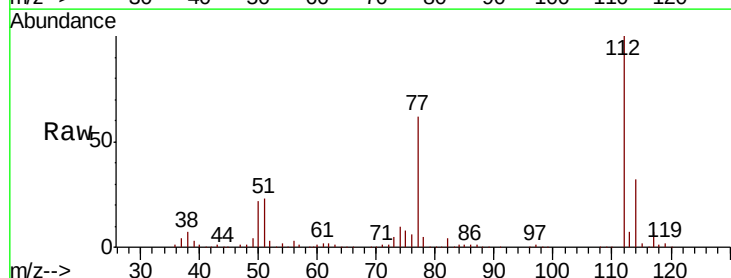
Instrument :
MSVOA_U
ClientSampleId :

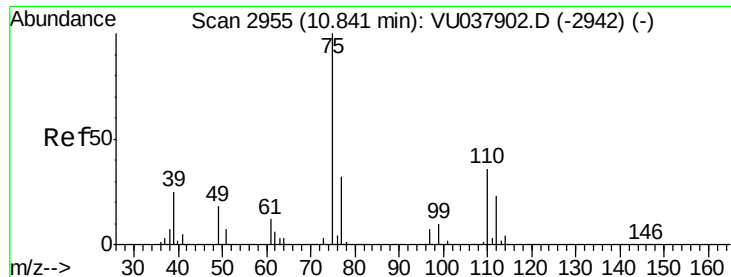
Tot Ion: 43 Resp: 159058
Ion Ratio Lower Upper
43 100
58 19.7 42.6 63.8#
57 528.1 14.6 22.0#
100 0.3 8.6 13.0#



#51
Chlorobenzene
Concen: 49.543 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037915.D
Acq: 29 Apr 2020 16:36

Tgt Ion: 112 Resp: 564582
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 62.2 49.8 74.6





#59

1,2,3-Trichloropropane

Concen: 5.762 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037915.D

Acq: 29 Apr 2020 16:36

Instrument :

MSVOA_U

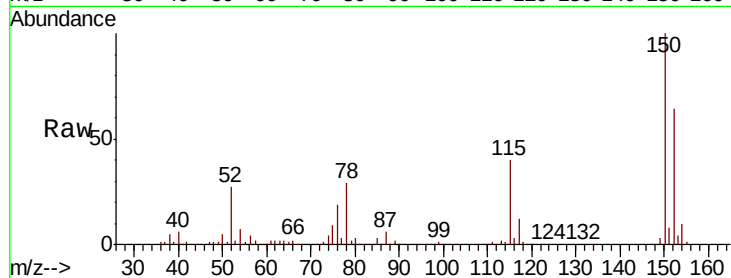
ClientSampleId :

Tot Ion: 75 Resp: 36940

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

