

Data File : VU036164.D
Acq On : 12 Dec 2019 21:36
Operator : JC/MD
Sample : K6273-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ4

Quant Time: Dec 13 02:46:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258745	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281141	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	132234	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.93	69	115129	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.59	63	133668	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.69	46	256399	60.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.72%
24) Chloroform-d	5.11	84	198964	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.75	65	104149	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.77	84	370935	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.73	67	120687	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.93	98	294780	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.21	79	43911	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.68	63	196300	54.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.24%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	114833	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	115677	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

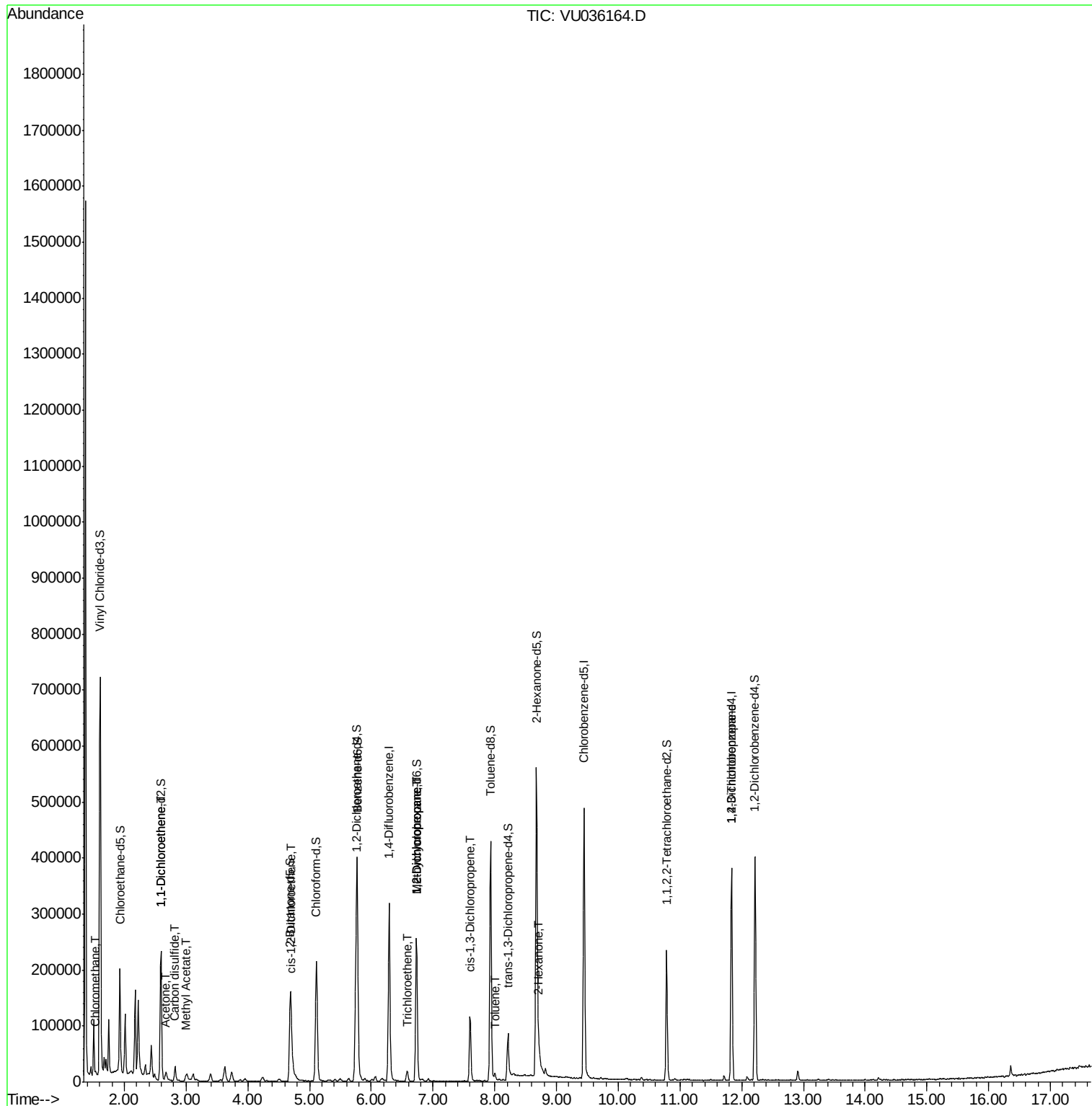
					Qvalue
3) Chloromethane	1.54	50	3467	0.094 ug/L	98
12) 1,1-Dichloroethene	2.60	96	1763	0.090 ug/L #	1
13) Acetone	2.67	43	19621	5.354 ug/L	96
14) Carbon disulfide	2.82	76	33232	0.513 ug/L	97
15) Methyl Acetate	2.99	43	3429	0.439 ug/L #	49
22) cis-1,2-Dichloroethene	4.72	96	1930	0.093 ug/L	93
34) Trichloroethene	6.58	95	5932	0.268 ug/L	78
35) Methylcyclohexane	6.73	83	28450	0.903 ug/L #	20
37) 1,2-Dichloropropane	6.73	63	13262	0.594 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2890	0.098 ug/L #	32
42) Toluene	8.00	91	7883	0.086 ug/L	94
48) 2-Hexanone	8.72	43	8876	1.074 ug/L #	77
59) 1,2,3-Trichloropropane	11.83	75	12085	0.822 ug/L	90

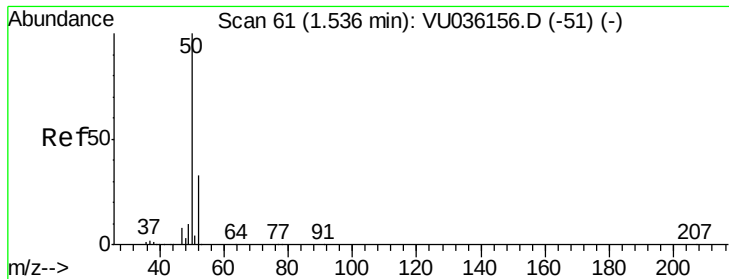
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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#3

Chloromethane

Concen: 0.094 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

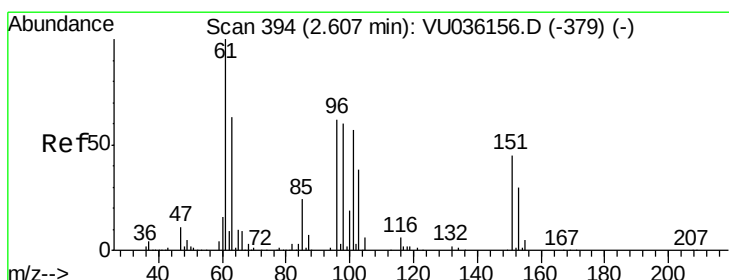
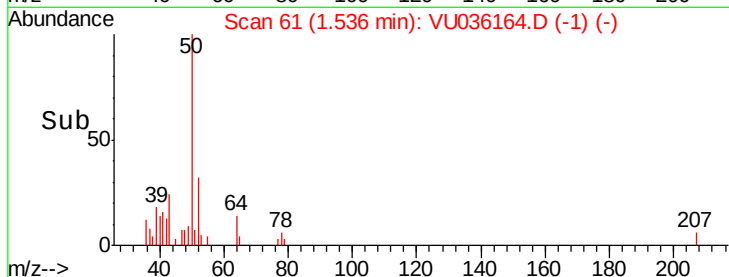
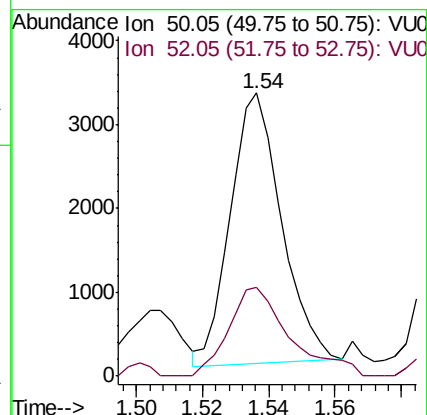
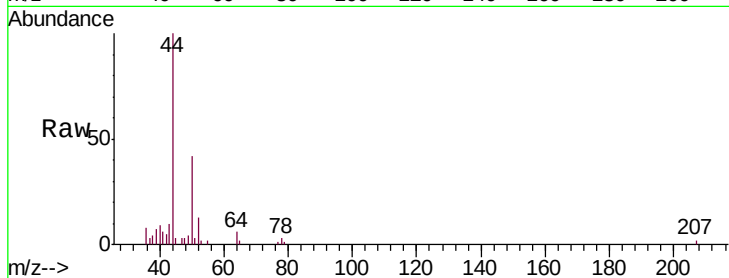
BFDQ4

Tgt Ion: 50 Resp: 3467

Ion Ratio Lower Upper

50 100

52 31.6 23.0 42.8



#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

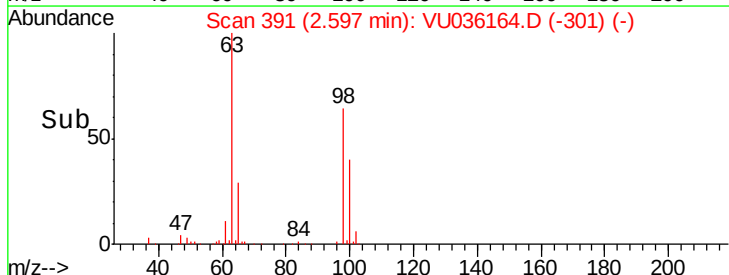
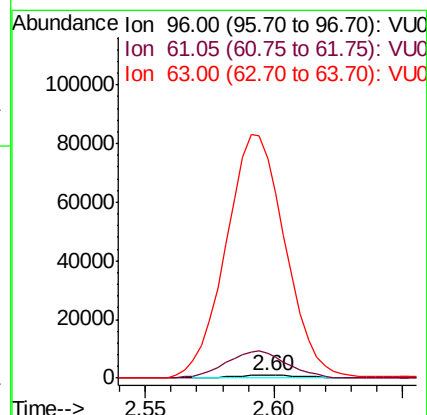
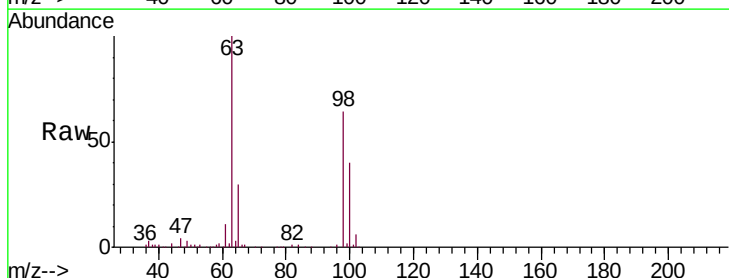
Tgt Ion: 96 Resp: 1763

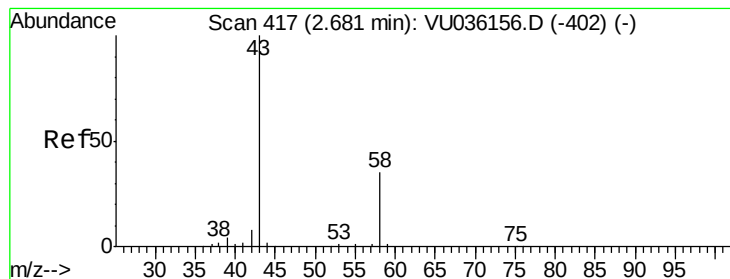
Ion Ratio Lower Upper

96 100

61 897.3 110.6 205.4#

63 7994.9 71.6 133.0#





#13

Acetone

Concen: 5.354 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

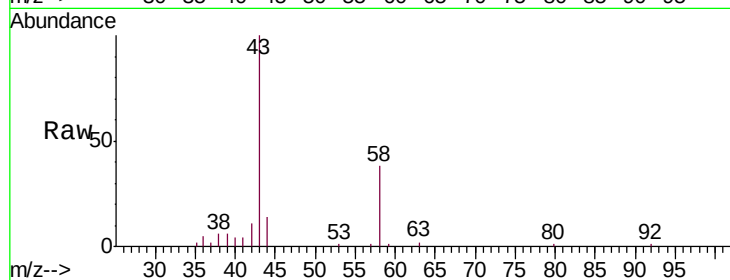
BFDQ4

Tgt Ion: 43 Resp: 19621

Ion Ratio Lower Upper

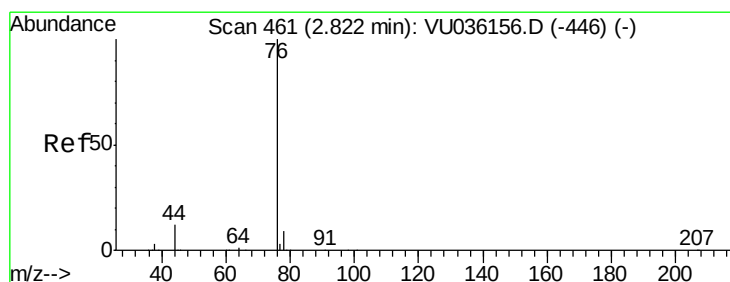
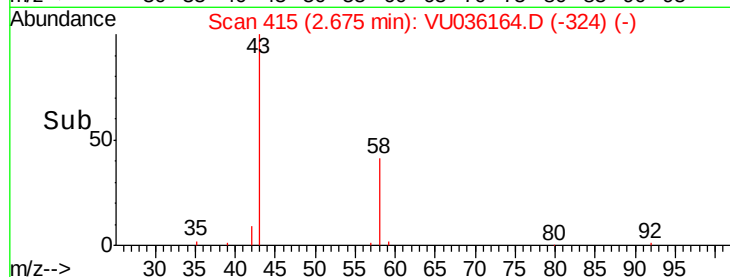
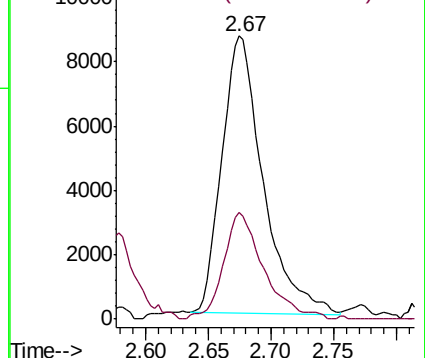
43 100

58 37.6 0.0 70.0



Abundance Ion 43.05 (42.75 to 43.75): VU036164.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036164.D (-324) (-)



#14

Carbon disulfide

Concen: 0.513 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036164.D

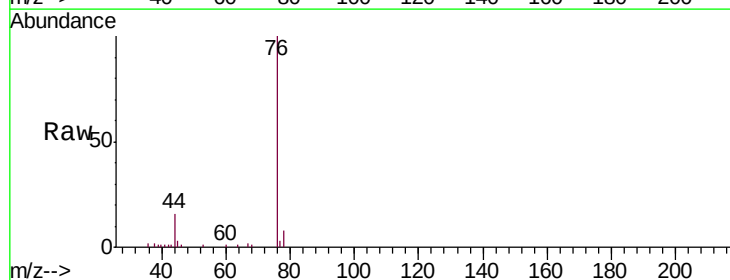
Acq: 12 Dec 2019 21:36

Tgt Ion: 76 Resp: 33232

Ion Ratio Lower Upper

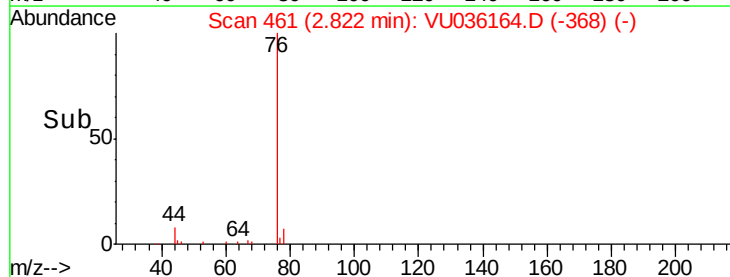
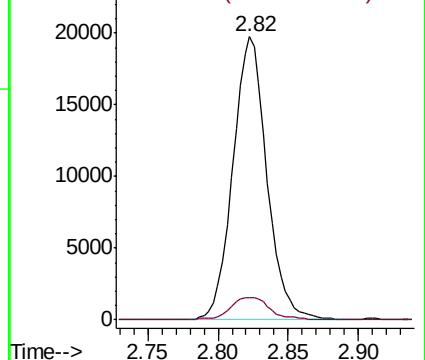
76 100

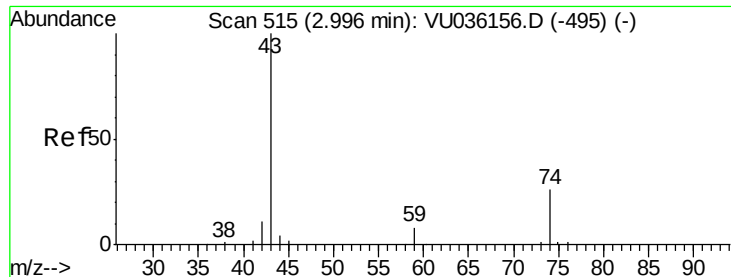
78 7.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036164.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036164.D (-368) (-)

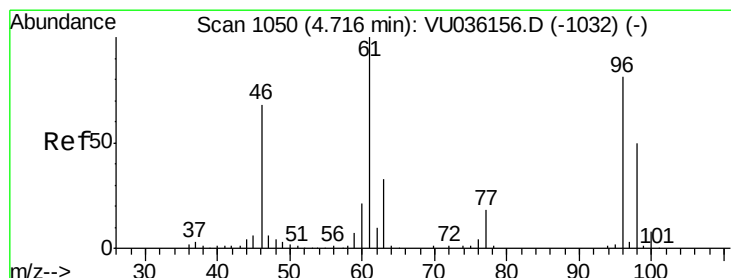
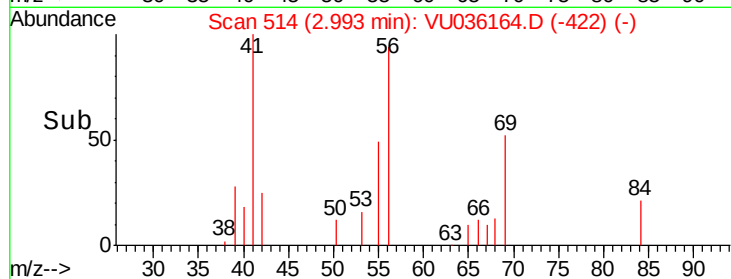
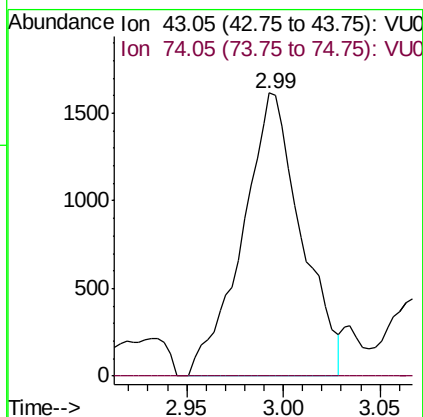
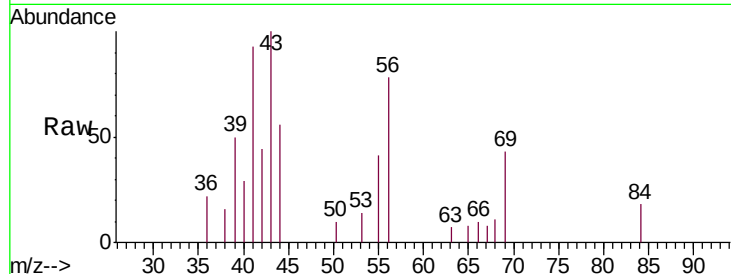




#15
Methyl Acetate
Concen: 0.439 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU036164.D
Acq: 12 Dec 2019 21:36

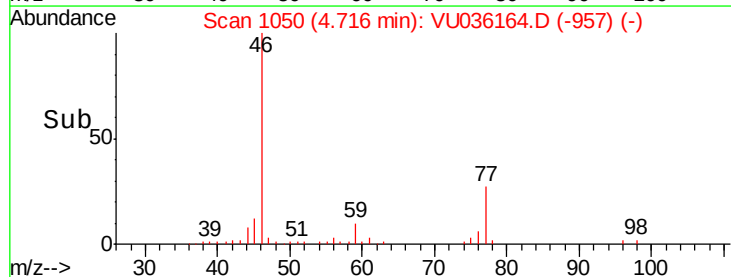
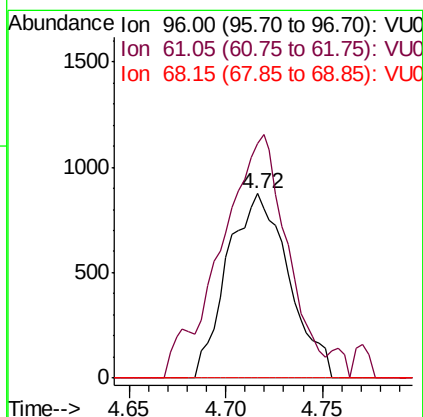
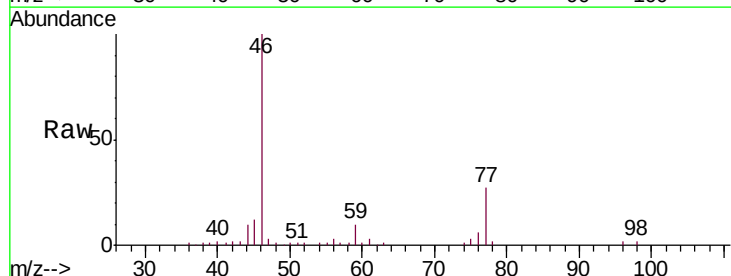
Instrument :
MSVOA_U
ClientSampled :
BFDQ4

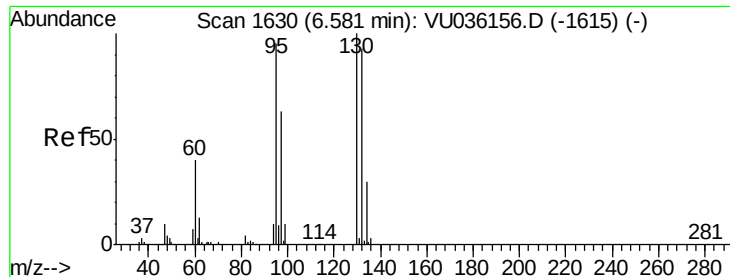
Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#22
cis-1,2-Dichloroethene
Concen: 0.093 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036164.D
Acq: 12 Dec 2019 21:36

Tgt Ion: 96 Resp: 1930
Ion Ratio Lower Upper
96 100
61 127.2 83.8 155.6
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.268 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

BFDQ4

Tgt Ion: 95 Resp: 5932

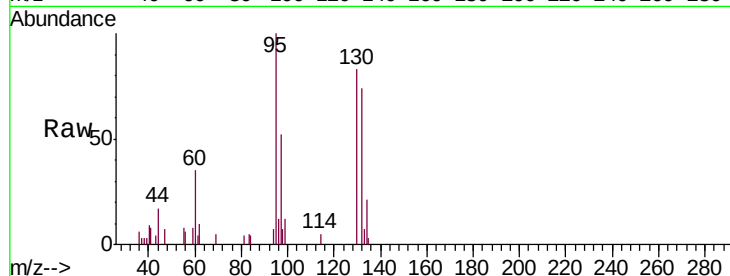
Ion Ratio Lower Upper

95 100

97 51.9 43.7 81.1

132 74.3 71.7 133.3

130 82.9 73.1 135.7

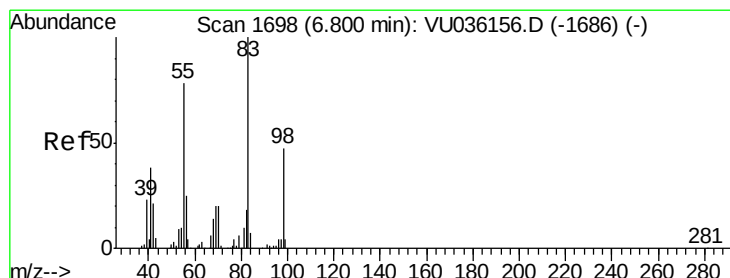
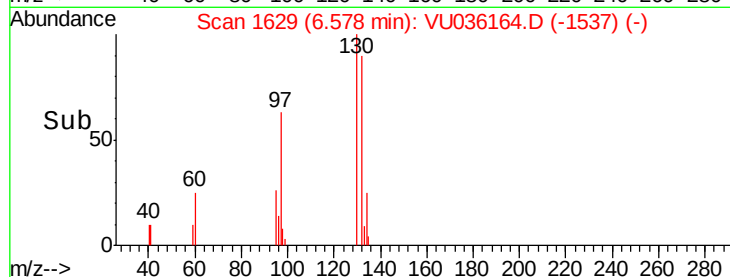
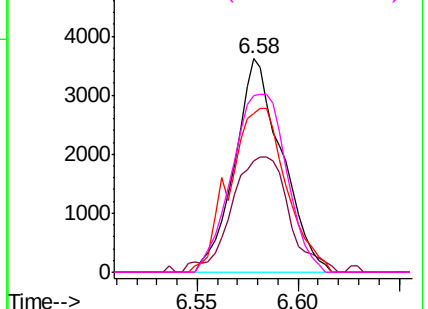


Abundance Ion 95.00 (94.70 to 95.70): VU036164.D (-1629) (-)

Ion 96.95 (96.65 to 97.65): VU036164.D (-1629) (-)

Ion 131.95 (131.65 to 132.65): VU036164.D (-1629) (-)

Ion 129.95 (129.65 to 130.65): VU036164.D (-1629) (-)



#35

Methylcyclohexane

Concen: 0.903 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

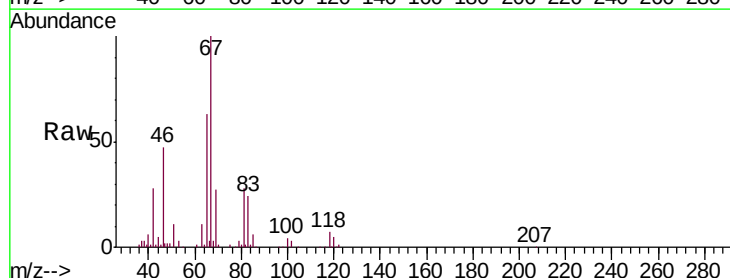
Tgt Ion: 83 Resp: 28450

Ion Ratio Lower Upper

83 100

55 0.3 61.9 92.9#

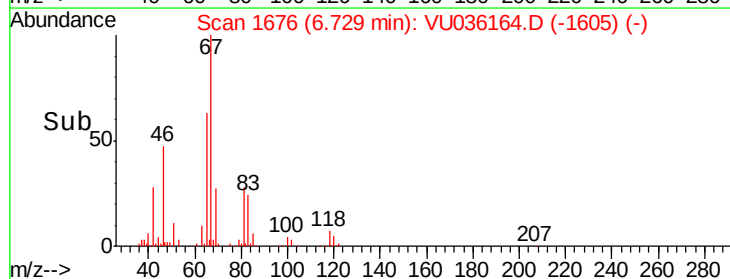
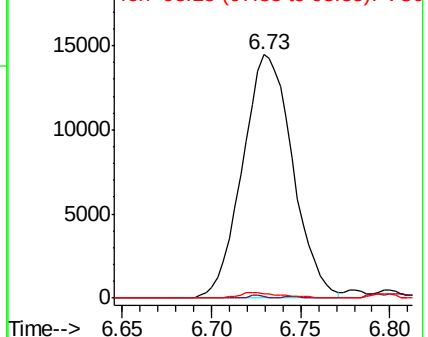
98 1.9 35.8 53.6#

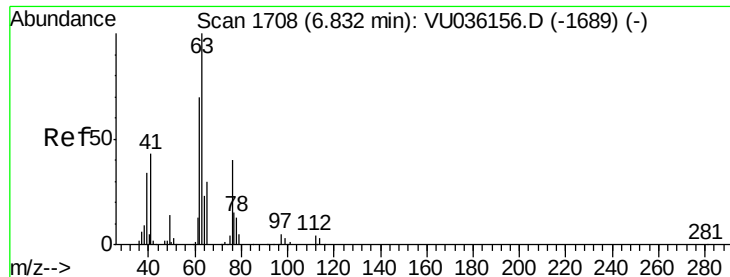


Abundance Ion 83.15 (82.85 to 83.85): VU036164.D (-1676) (-)

Ion 55.10 (54.80 to 55.80): VU036164.D (-1676) (-)

Ion 98.15 (97.85 to 98.85): VU036164.D (-1676) (-)

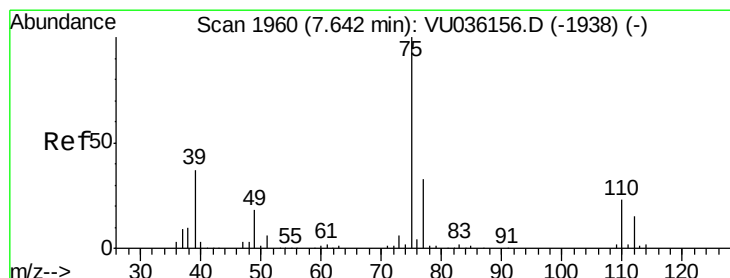
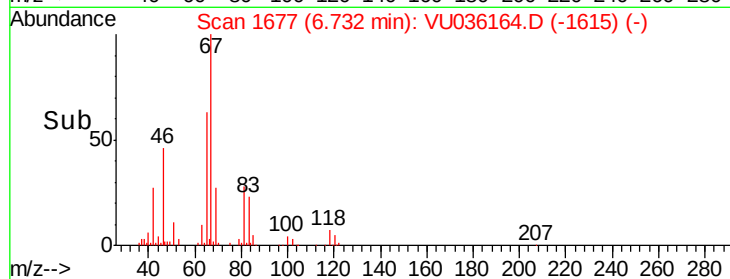
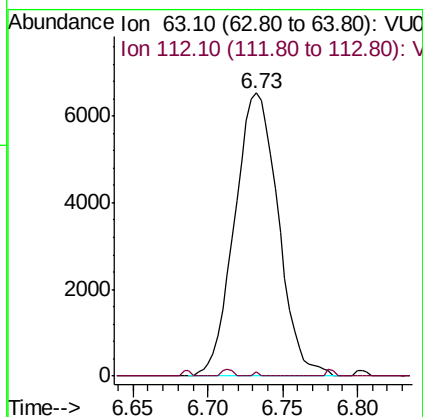
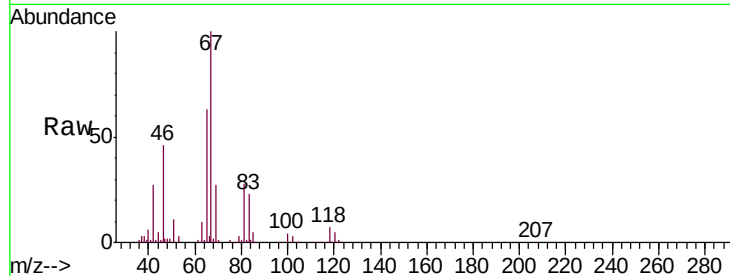




#37
 1,2-Dichloropropane
 Concen: 0.594 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036164.D
 Acq: 12 Dec 2019 21:36

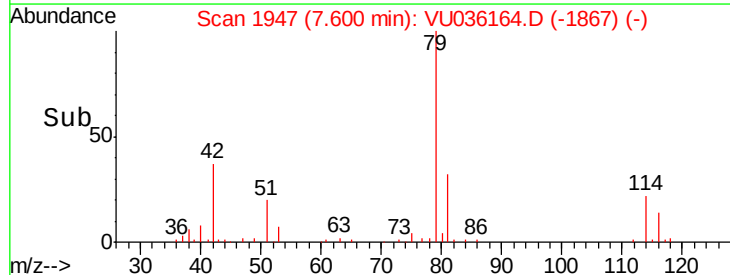
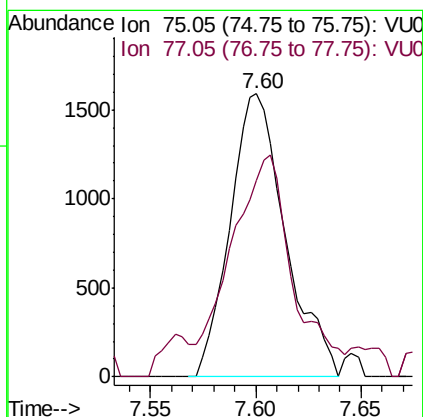
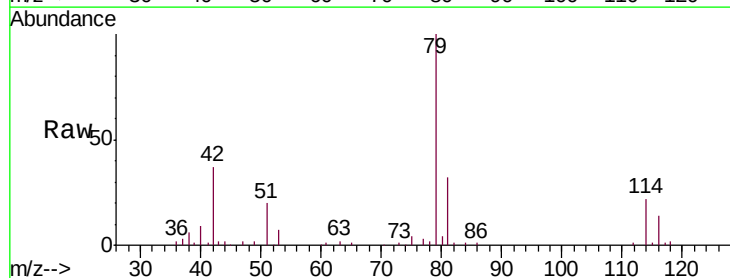
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDQ4

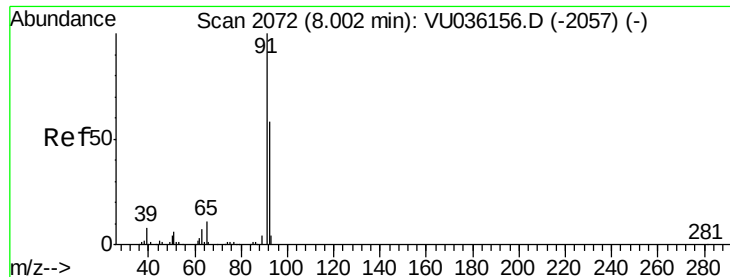
Tgt Ion: 63 Resp: 13262
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036164.D
 Acq: 12 Dec 2019 21:36

Tgt Ion: 75 Resp: 2890
 Ion Ratio Lower Upper
 75 100
 77 69.5 22.3 41.5#





#42

Toluene

Concen: 0.086 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

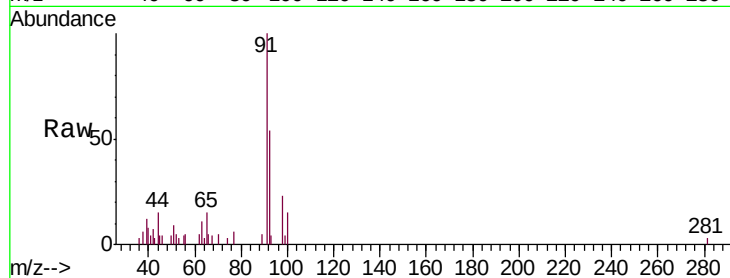
BFDQ4

Tgt Ion: 91 Resp: 7883

Ion Ratio Lower Upper

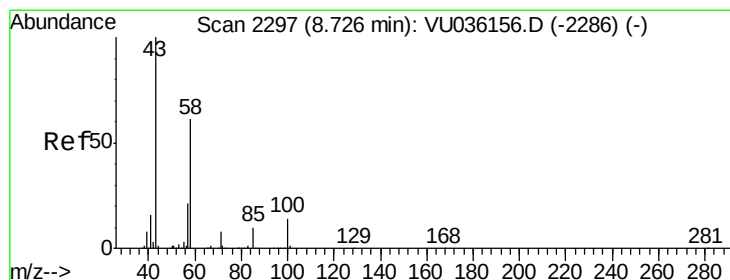
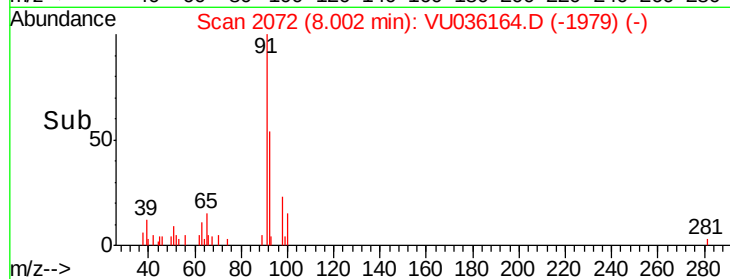
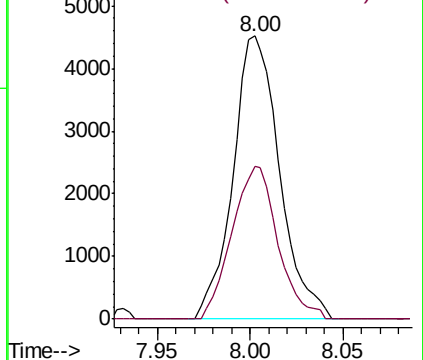
91 100

92 54.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU036164.D (-2199) (-)

Ion 92.15 (91.85 to 92.85): VU036164.D (-2199) (-)



#48

2-Hexanone

Concen: 1.074 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Tgt Ion: 43 Resp: 8876

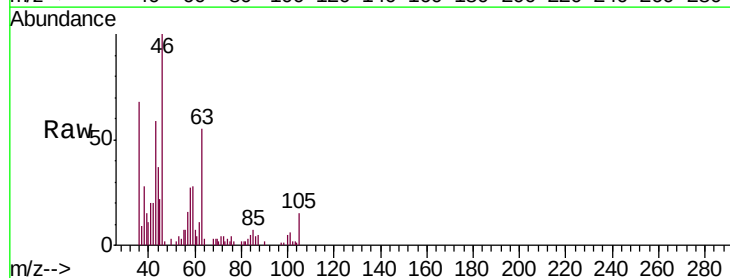
Ion Ratio Lower Upper

43 100

58 49.0 48.6 72.8

57 0.0 16.7 25.1#

100 3.2 10.6 15.8#

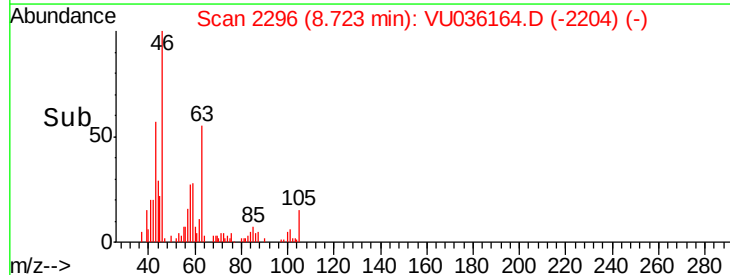
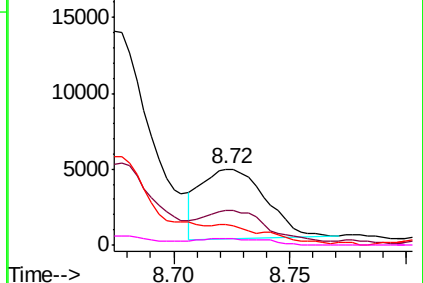


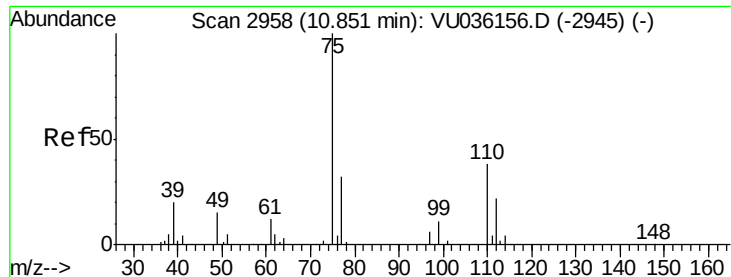
Abundance Ion 43.05 (42.75 to 43.75): VU036164.D (-2204) (-)

Ion 58.05 (57.75 to 58.75): VU036164.D (-2204) (-)

Ion 57.20 (56.90 to 57.90): VU036164.D (-2204) (-)

Ion 100.15 (99.85 to 100.85): VU036164.D (-2204) (-)





#59

1,2,3-Trichloropropane

Concen: 0.822 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036164.D

Acq: 12 Dec 2019 21:36

Instrument :

MSVOA_U

ClientSampleId :

BFDQ4

Tgt Ion: 75 Resp: 12085

Ion Ratio Lower Upper

75 100

77 39.0 26.6 39.8

