

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027676.D
 Acq On : 17 Oct 2018 14:20
 Operator : MD/SY
 Sample : J5463-01 250X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB2

Quant Time: Oct 19 06:49:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	83736	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78289	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30176	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.68	69	23456	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.28	63	41338	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.21	46	88216	46.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.24%
24) Chloroform-d	4.65	84	50186	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	28108	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	107632	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.33	67	38288	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.57	98	104854	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.85	79	15120	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.32	63	80995	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26998	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	37868	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

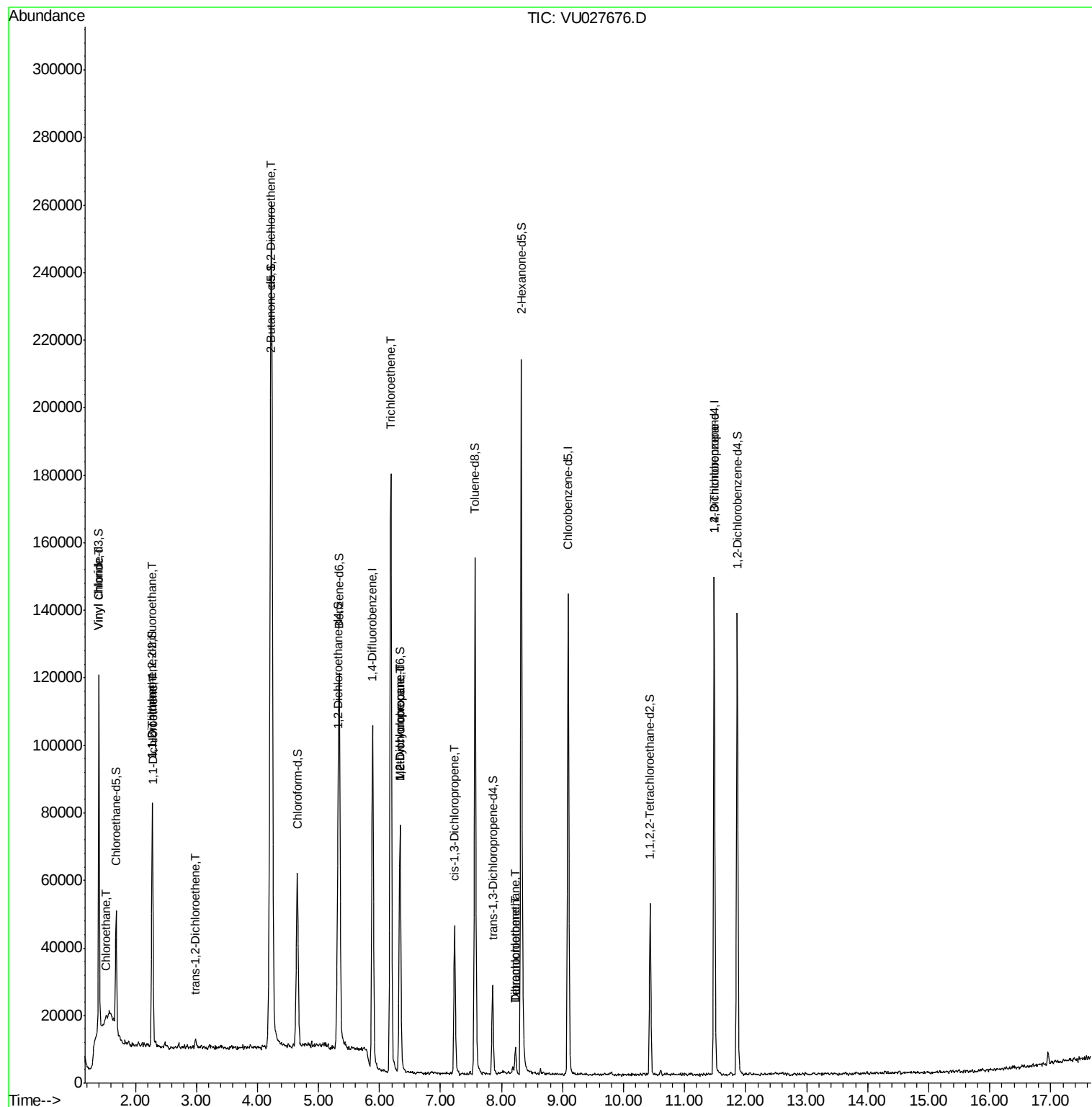
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.40	62	44417	5.436	ug/L #	81
8) Chloroethane	1.53	64	3285	0.697	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	413	0.073	ug/L #	26
12) 1,1-Dichloroethene	2.29	96	1035	0.183	ug/L #	1
18) trans-1,2-Dichloroethene	2.99	96	1197	0.199	ug/L #	73
22) cis-1,2-Dichloroethene	4.23	96	126585	18.985	ug/L #	97
34) Trichloroethene	6.19	95	63210	9.531	ug/L	98
35) Methylcyclohexane	6.33	83	8237	0.721	ug/L #	17
37) 1,2-Dichloropropane	6.34	63	3839	0.522	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	889	0.083	ug/L #	34
47) Tetrachloroethene	8.23	164	1768	0.334	ug/L	89
49) Dibromochloromethane	8.23	129	1537	0.261	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	4822	1.140	ug/L	97

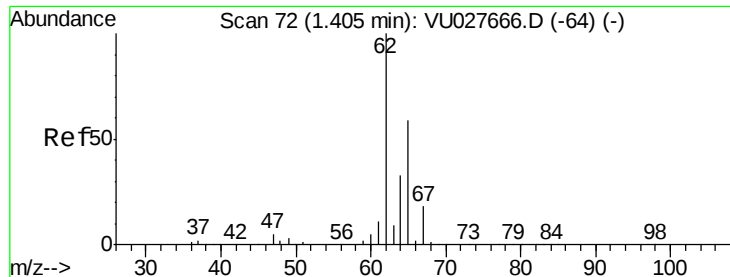
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.436 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

Instrument :

MSVOA_U

ClientSampleId :

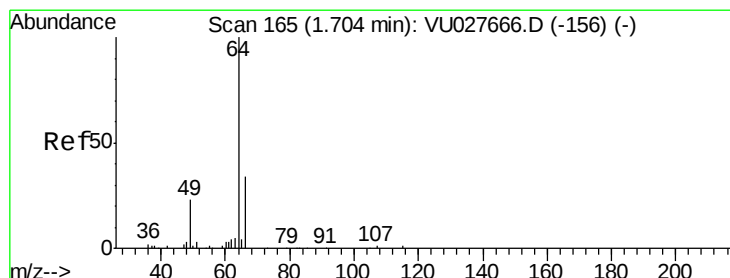
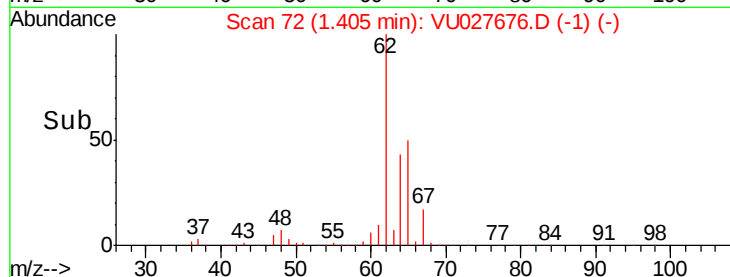
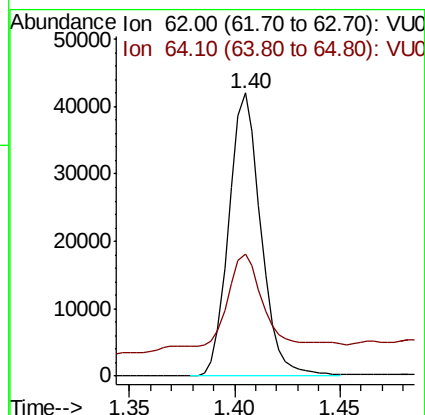
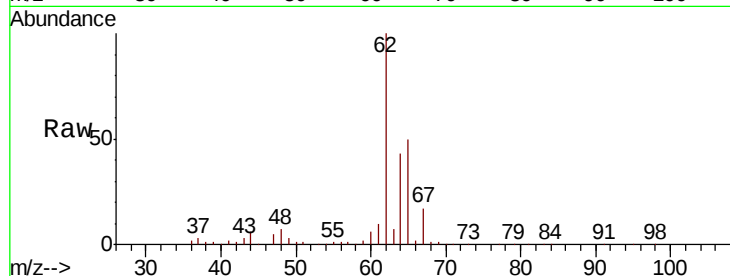
C0JB2

Tgt Ion: 62 Resp: 44417

Ion Ratio Lower Upper

62 100

64 43.3 22.9 42.5#



#8

Chloroethane

Concen: 0.697 ug/L

RT: 1.53 min Scan# 111

Delta R.T. -0.17 min

Lab File: VU027676.D

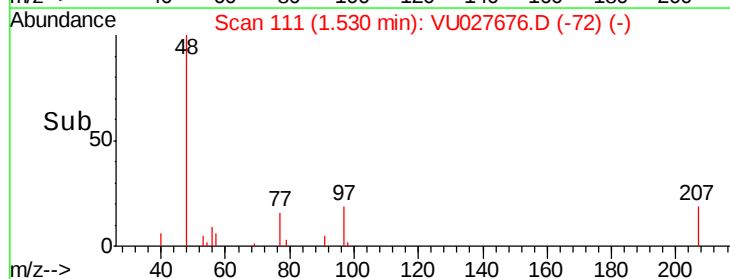
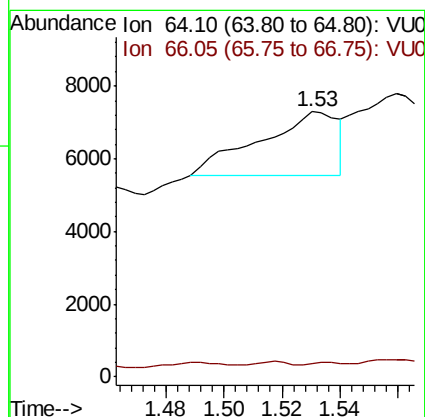
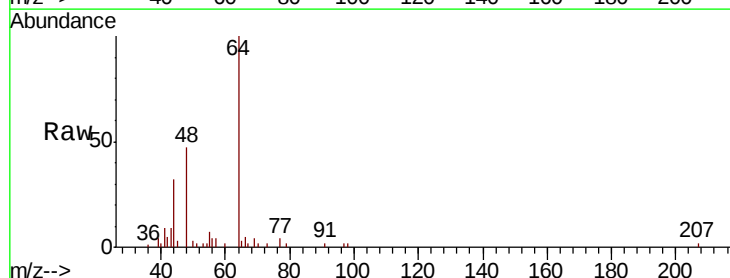
Acq: 17 Oct 2018 14:20

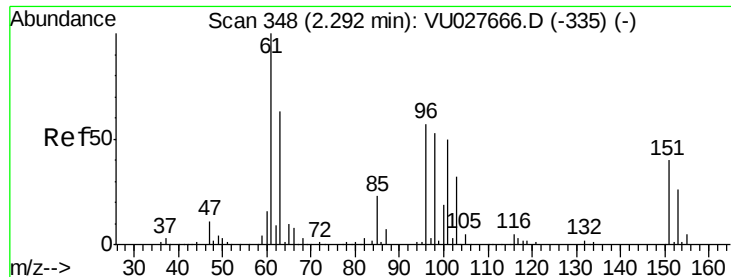
Tgt Ion: 64 Resp: 3285

Ion Ratio Lower Upper

64 100

66 5.2 23.5 43.7#





#10

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

Concen: 0.073 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

Instrument :

MSVOA_U

ClientSampleId :

C0JB2

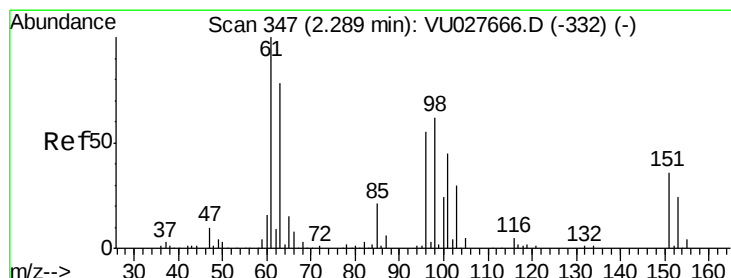
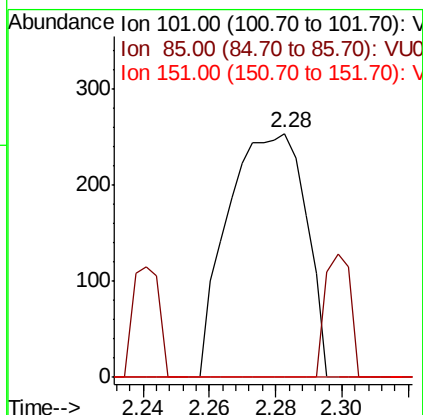
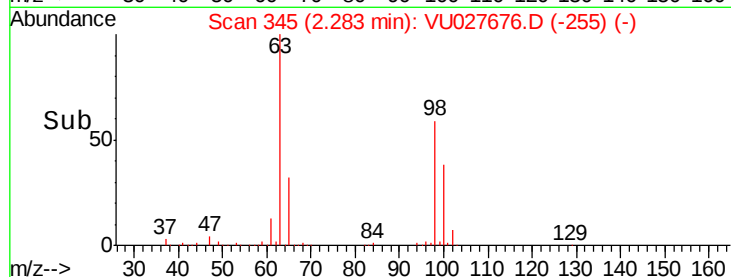
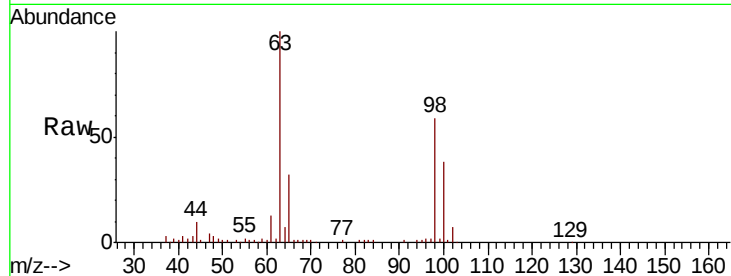
Tgt Ion: 101 Resp: 413

Ion Ratio Lower Upper

101 100

85 16.5 35.6 53.4#

151 0.0 63.8 95.6#



#12

1,1-Dichloroethene

Concen: 0.183 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

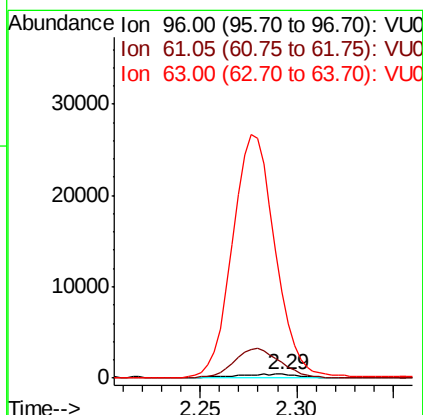
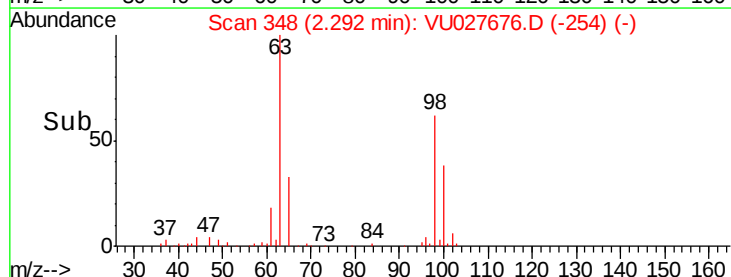
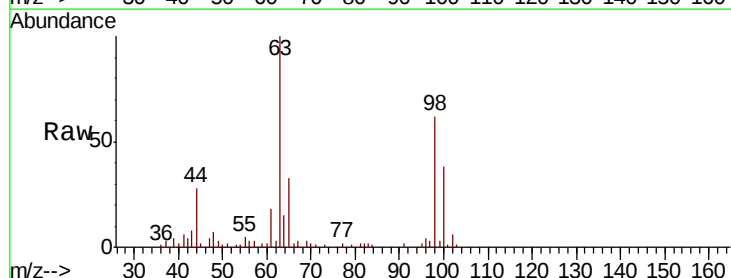
Tgt Ion: 96 Resp: 1035

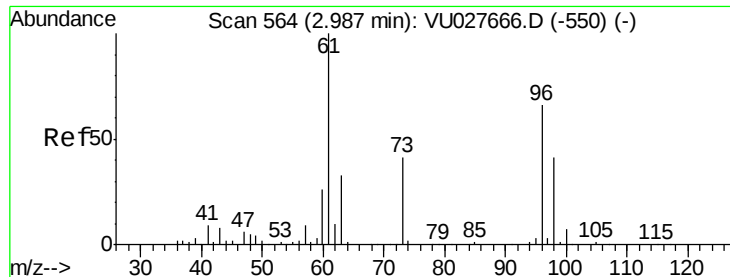
Ion Ratio Lower Upper

96 100

61 401.9 125.6 233.2#

63 2227.6 97.6 181.2#

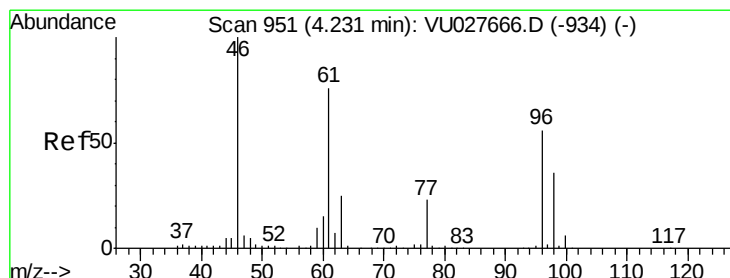
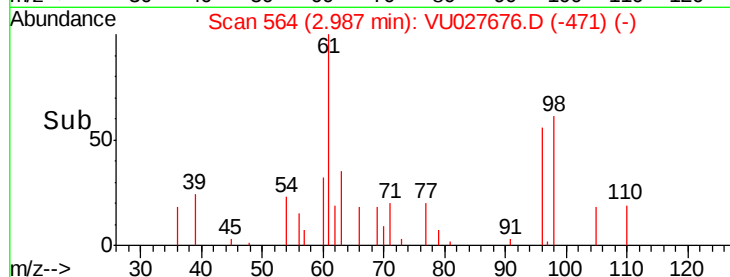
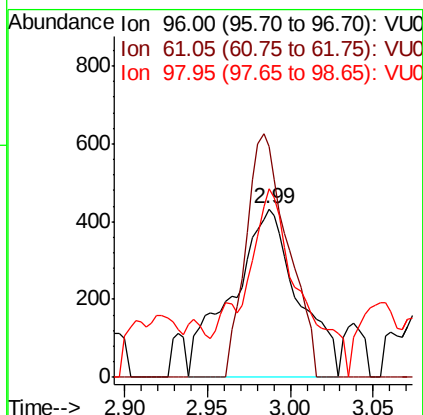
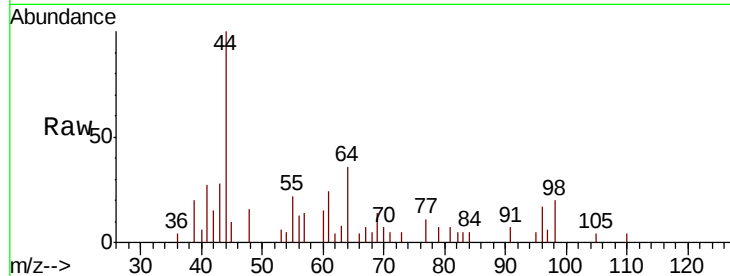




#18
trans-1,2-Dichloroethene
Concen: 0.199 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027676.D
Acq: 17 Oct 2018 14:20

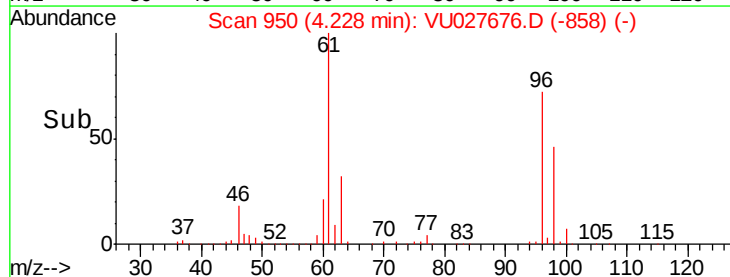
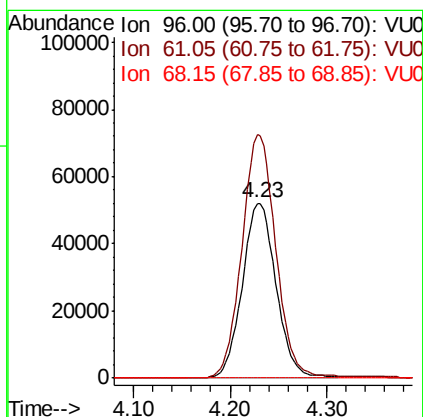
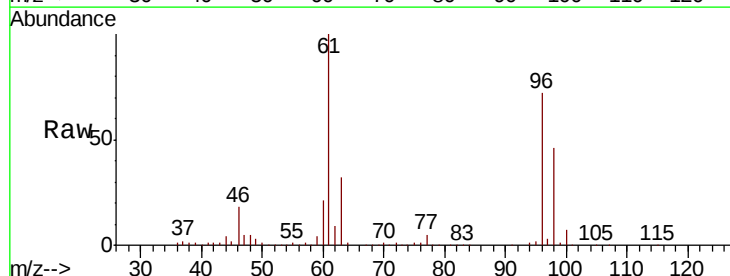
Instrument :
MSVOA_U
ClientSampled :
C0JB2

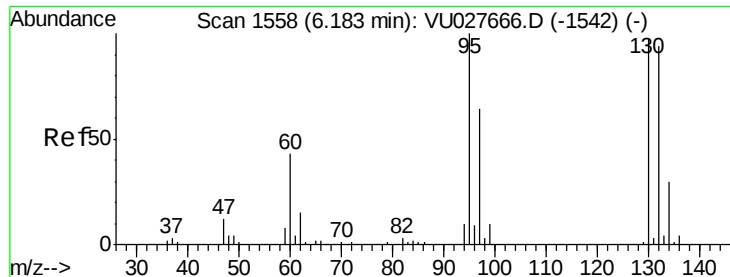
Tgt Ion: 96 Resp: 1197
Ion Ratio Lower Upper
96 100
61 137.0 105.8 196.4
98 111.8 43.6 81.0#



#22
cis-1,2-Dichloroethene
Concen: 18.985 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027676.D
Acq: 17 Oct 2018 14:20

Tgt Ion: 96 Resp: 126585
Ion Ratio Lower Upper
96 100
61 139.5 95.3 176.9
68 0.3 1.1 2.1#





#34

Trichloroethene

Concen: 9.531 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

Instrument :

MSVOA_U

ClientSampleId :

C0JB2

Tgt Ion: 95 Resp: 63210

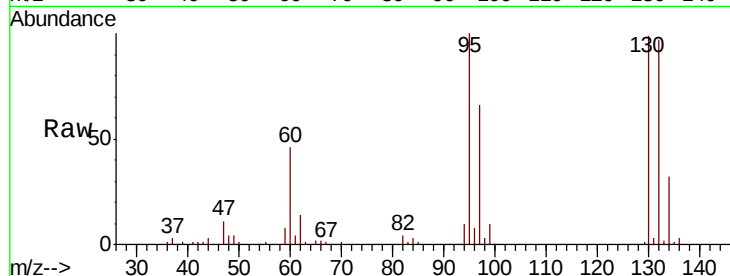
Ion Ratio Lower Upper

95 100

97 65.7 44.7 83.1

132 96.8 65.9 122.5

130 99.2 67.9 126.1

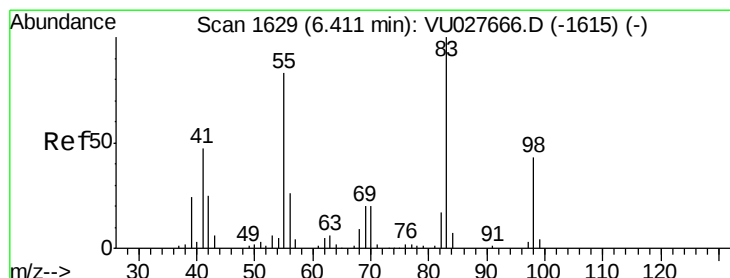
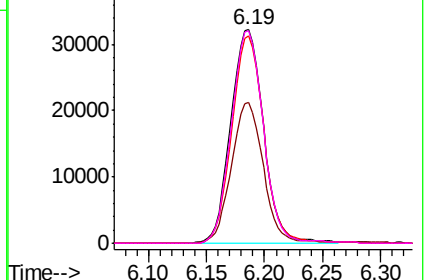
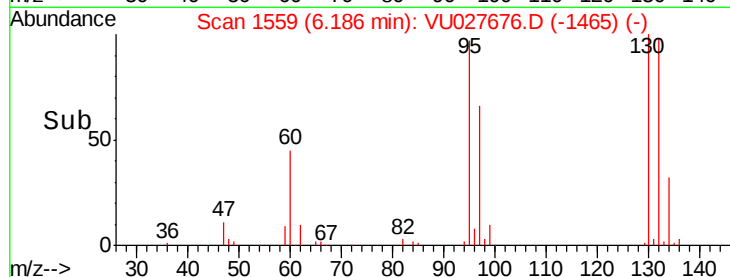


Abundance Ion 95.00 (94.70 to 95.70): VU027676.D (-1542) (-)

Ion 96.95 (96.65 to 97.65): VU027676.D (-1542) (-)

Ion 131.95 (131.65 to 132.65): VU027676.D (-1542) (-)

Ion 129.95 (129.65 to 130.65): VU027676.D (-1542) (-)



#35

Methylcyclohexane

Concen: 0.721 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

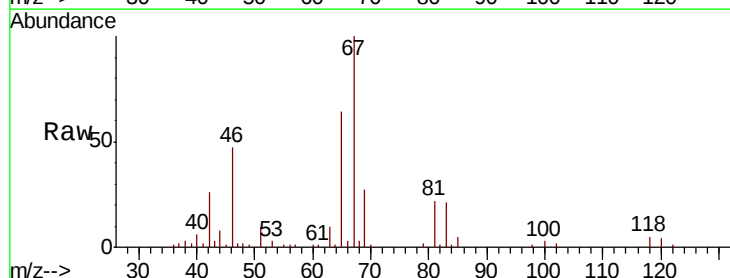
Tgt Ion: 83 Resp: 8237

Ion Ratio Lower Upper

83 100

55 2.1 69.0 103.4#

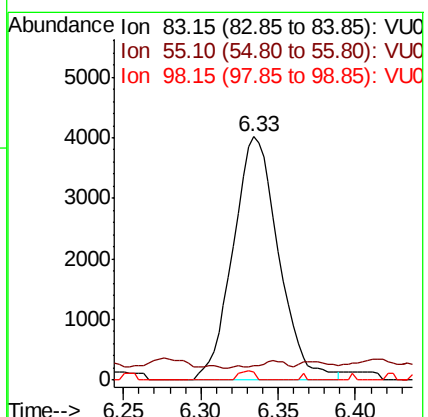
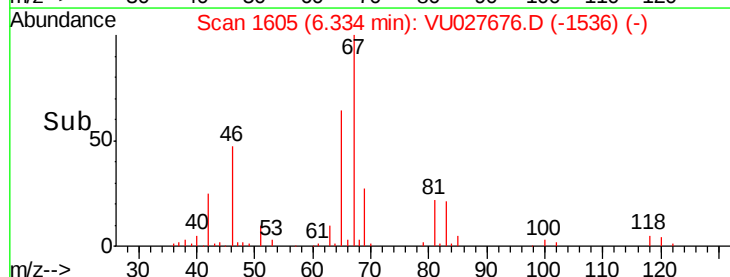
98 1.3 35.4 53.2#

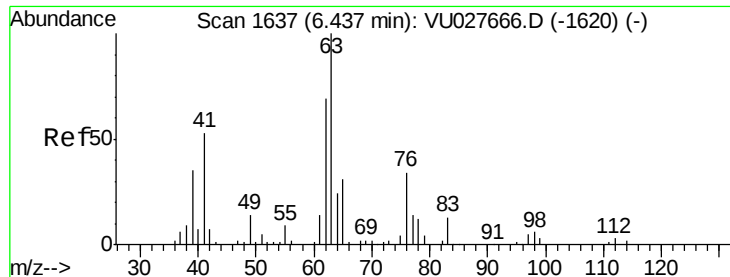


Abundance Ion 83.15 (82.85 to 83.85): VU027676.D (-1536) (-)

Ion 55.10 (54.80 to 55.80): VU027676.D (-1536) (-)

Ion 98.15 (97.85 to 98.85): VU027676.D (-1536) (-)

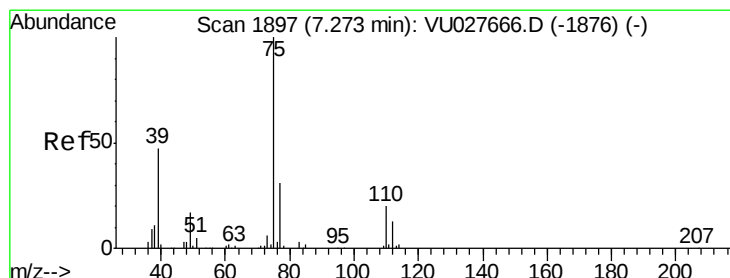
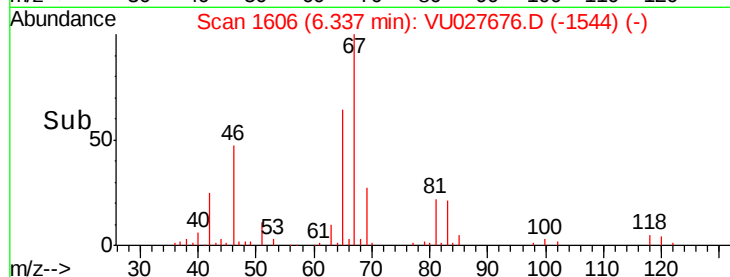
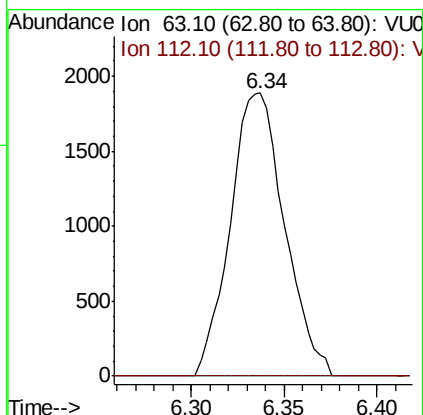
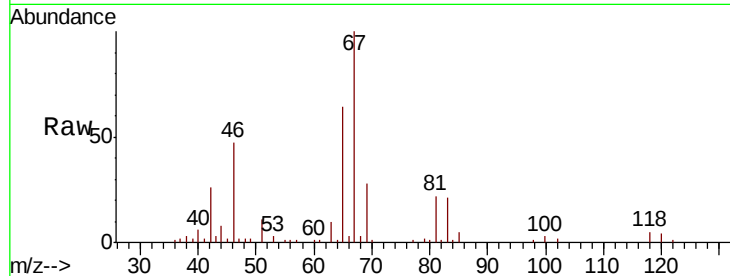




#37
 1,2-Dichloropropane
 Concen: 0.522 ug/L
 RT: 6.34 min Scan# 1606
 Delta R.T. -0.10 min
 Lab File: VU027676.D
 Acq: 17 Oct 2018 14:20

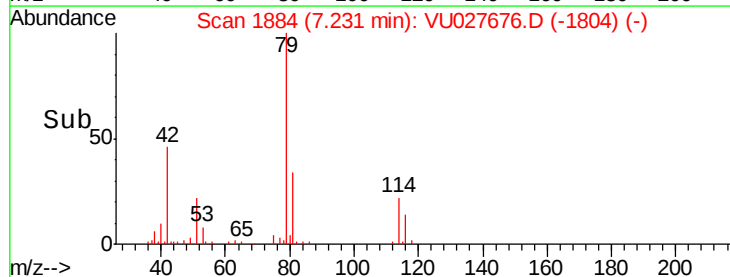
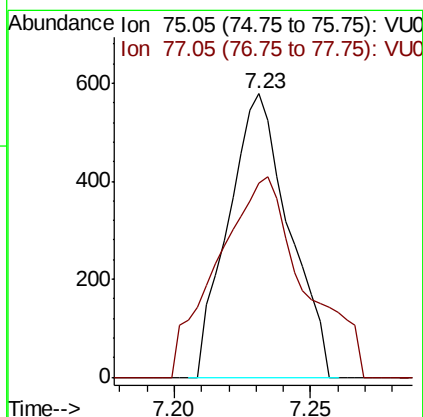
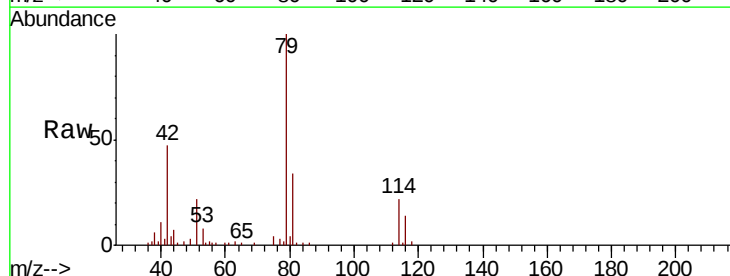
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB2

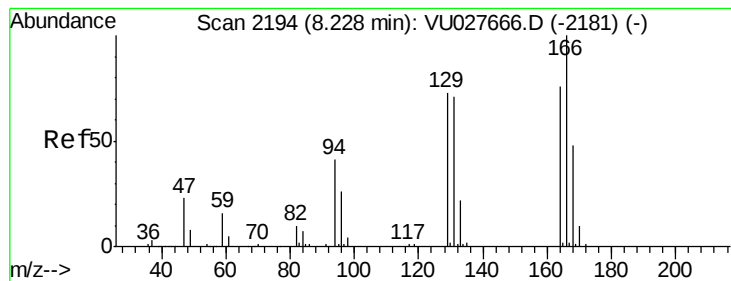
Tgt Ion: 63 Resp: 3839
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027676.D
 Acq: 17 Oct 2018 14:20

Tgt Ion: 75 Resp: 889
 Ion Ratio Lower Upper
 75 100
 77 68.3 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.334 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

Instrument :

MSVOA_U

ClientSampleId :

C0JB2

Tgt Ion:164 Resp: 1768

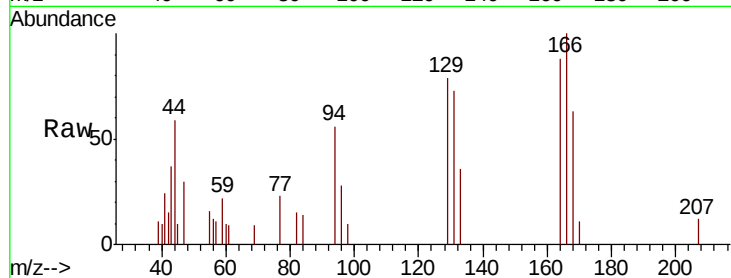
Ion Ratio Lower Upper

164 100

129 89.5 67.3 124.9

131 83.1 64.8 120.3

166 113.3 91.8 170.4

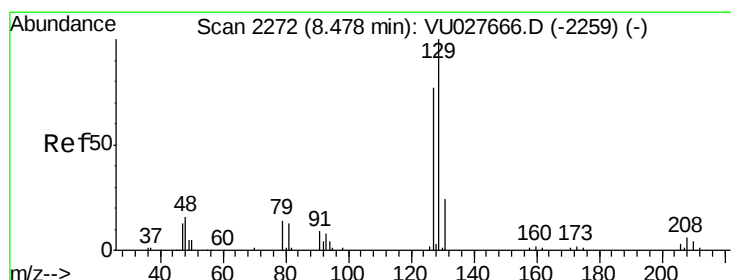
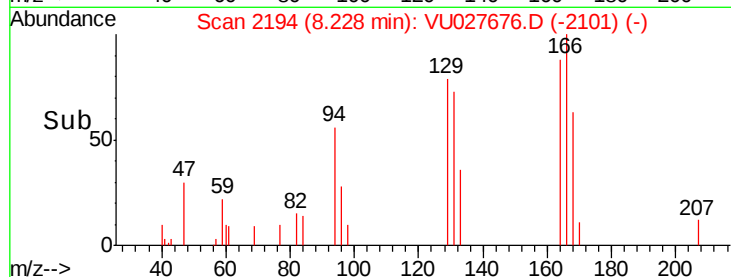
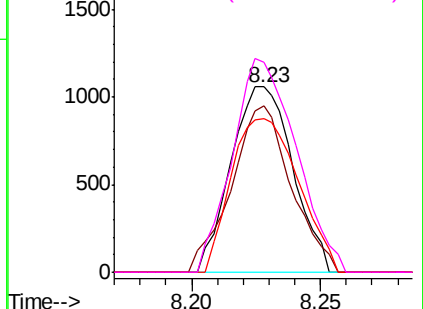


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.261 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU027676.D

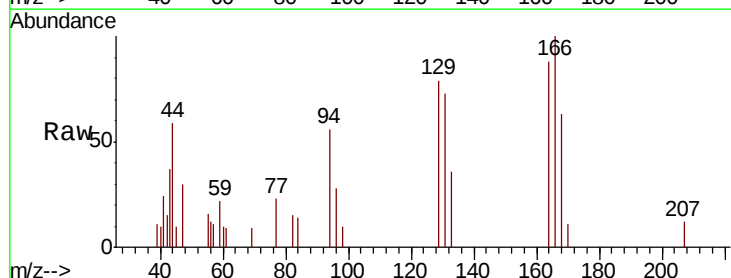
Acq: 17 Oct 2018 14:20

Tgt Ion:129 Resp: 1537

Ion Ratio Lower Upper

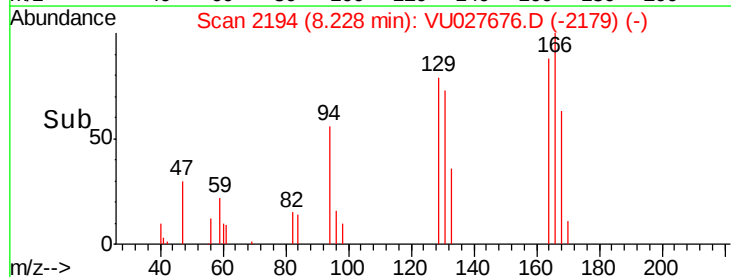
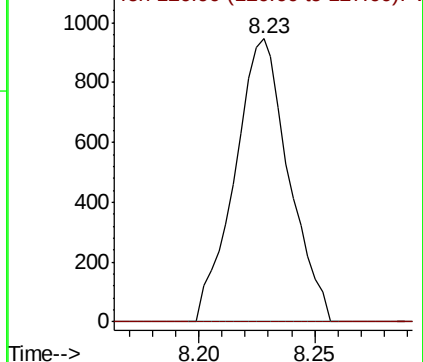
129 100

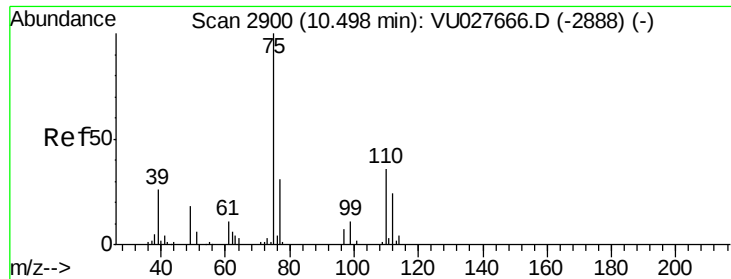
127 0.0 54.1 100.5#



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: 1.140 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027676.D

Acq: 17 Oct 2018 14:20

Instrument :

MSVOA_U

ClientSampleId :

C0JB2

Tgt Ion: 75 Resp: 4822

Ion Ratio Lower Upper

75 100

77 35.5 26.9 40.3

