

Data File : VU031113.D
Acq On : 12 Apr 2019 08:38
Operator : JC/SP
Sample : K2341-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 105 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB736

Quant Time: Apr 12 23:34:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	527526	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	518552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	228019	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152965	32.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.96%
7) Chloroethane-d5	1.68	69	131560	36.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.62%
11) 1,1-Dichloroethene-d2	2.27	63	225660	26.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.98%#
21) 2-Butanone-d5	4.17	46	338482	90.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.69%
24) Chloroform-d	4.64	84	307733	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
26) 1,2-Dichloroethane-d4	5.30	65	214800	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
32) Benzene-d6	5.34	84	615307	40.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.30%
36) 1,2-Dichloropropane-d6	6.32	67	220820	42.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.12%
41) Toluene-d8	7.56	98	523577	39.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.04%#
43) trans-1,3-Dichloropropene-	7.85	79	86325	36.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.98%
47) 2-Hexanone-d5	8.31	63	197484	83.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308069	44.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	204702	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%

Target Compounds

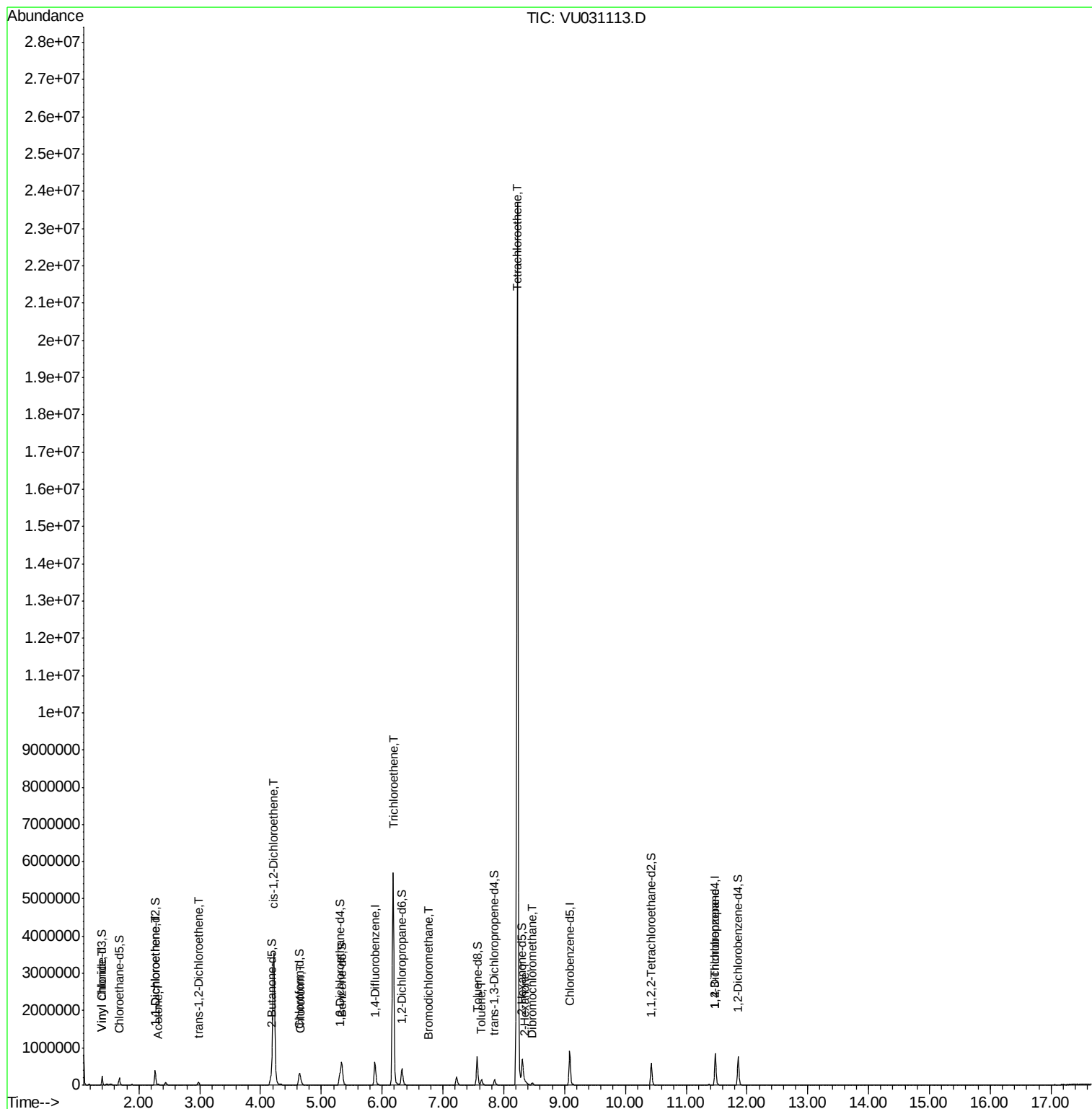
					Qvalue
5) Vinyl chloride	1.40	62	4276	0.737 ug/L #	1
12) 1,1-Dichloroethene	2.28	96	4889	1.341 ug/L #	1
13) Acetone	2.32	43	30078	7.876 ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	28599	7.386 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	1963760	459.345 ug/L	91
25) Chloroform	4.67	83	39891	4.967 ug/L	94
34) Trichloroethene	6.18	95	2019448	485.210 ug/L	97
38) Bromodichloromethane	6.75	83	4666	0.805 ug/L	98
42) Toluene	7.63	91	114096	6.587 ug/L	94
46) Tetrachloroethene	8.22	164	5357528	1770.554 ug/L	100
48) 2-Hexanone	8.36	43	13445	2.230 ug/L #	90
49) Dibromochloromethane	8.47	129	3355	0.776 ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	26140	4.542 ug/L	91

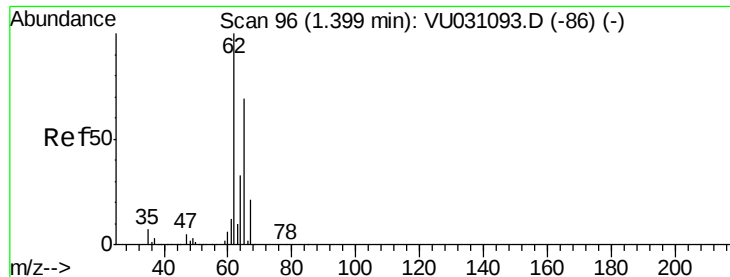
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
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#5

Vinyl chloride

Concen: 0.737 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

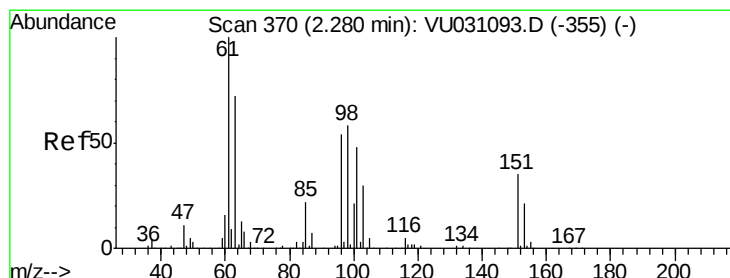
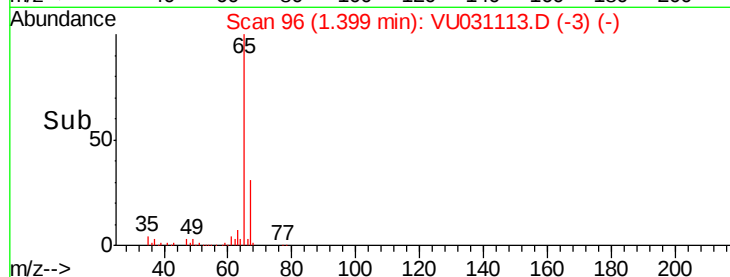
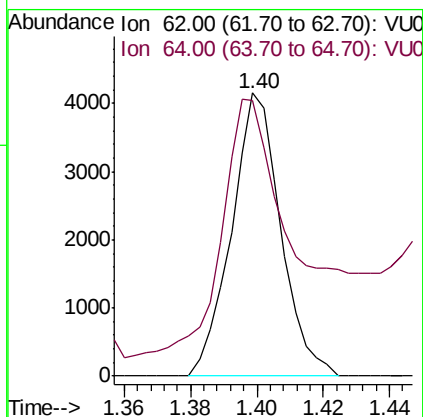
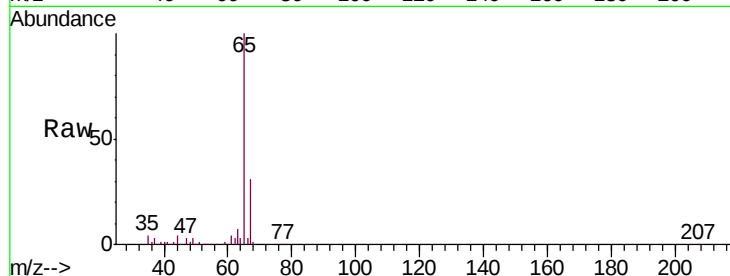
DB736

Tgt Ion: 62 Resp: 4276

Ion Ratio Lower Upper

62 100

64 97.2 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 1.341 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

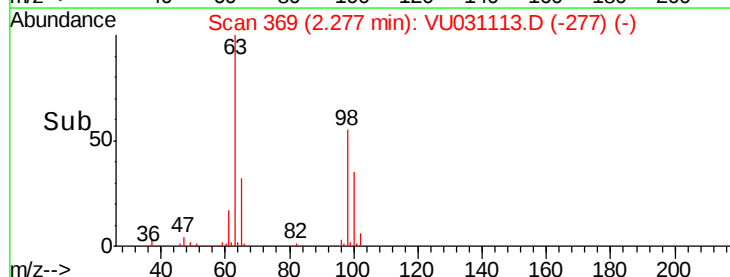
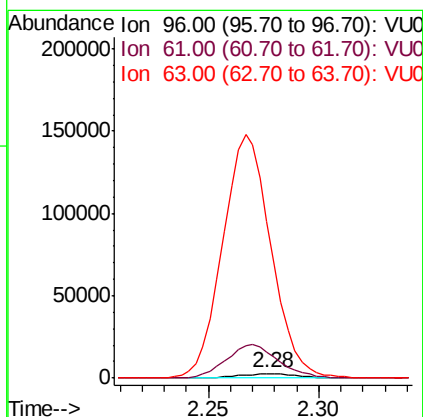
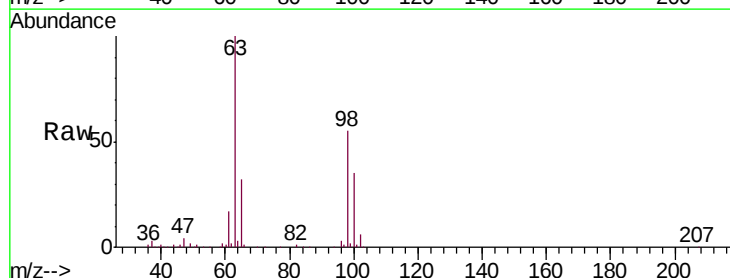
Tgt Ion: 96 Resp: 4889

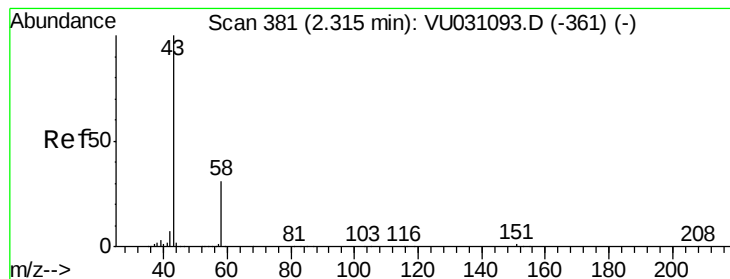
Ion Ratio Lower Upper

96 100

61 628.3 132.0 245.2#

63 3698.6 90.9 168.9#





#13

Acetone

Concen: 7.876 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

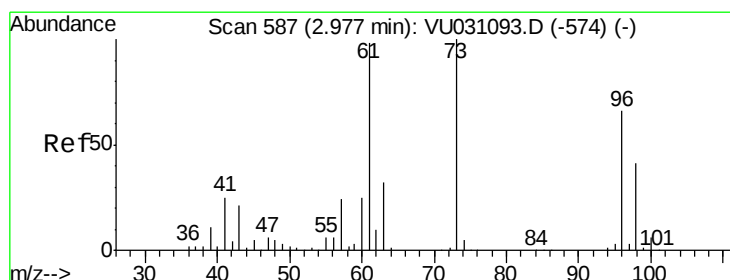
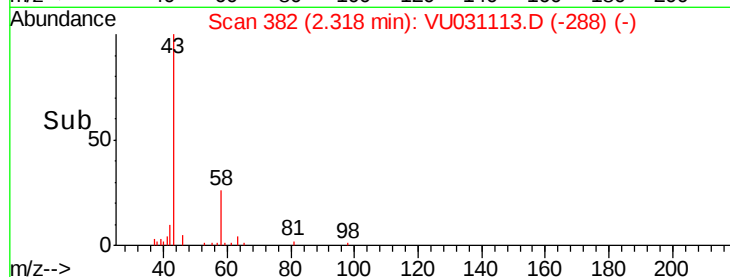
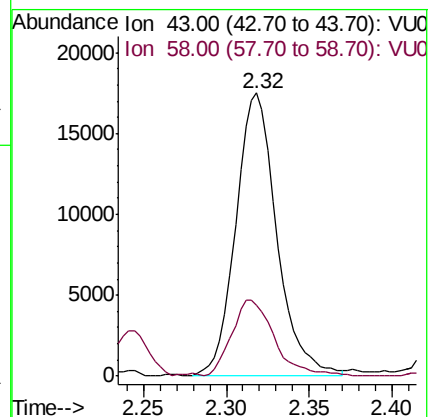
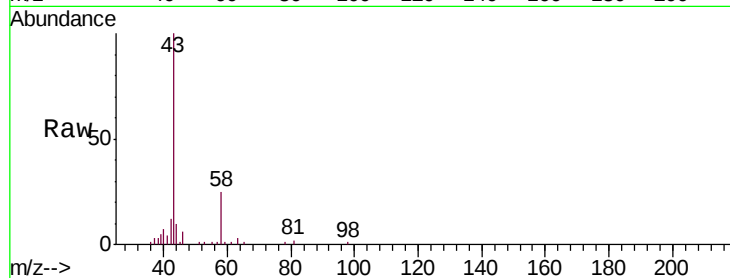
DB736

Tgt Ion: 43 Resp: 30078

Ion Ratio Lower Upper

43 100

58 28.2 0.0 64.0



#17

trans-1,2-Dichloroethene

Concen: 7.386 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

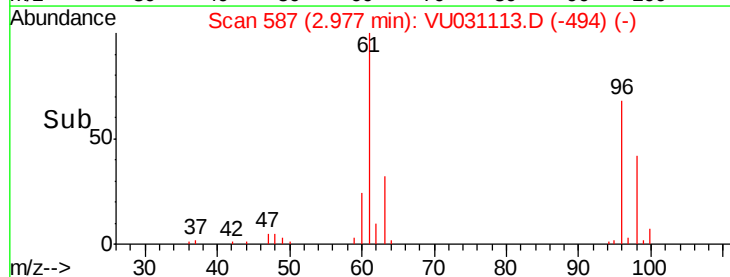
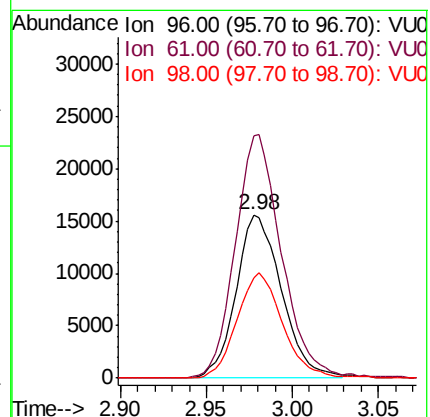
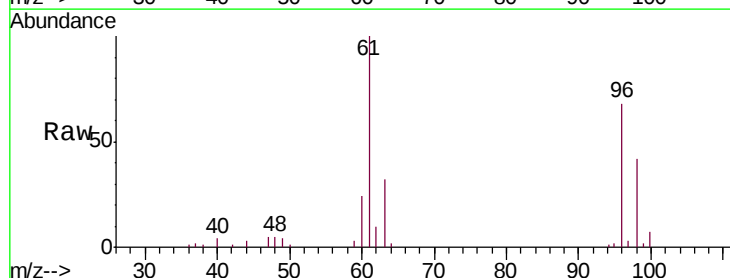
Tgt Ion: 96 Resp: 28599

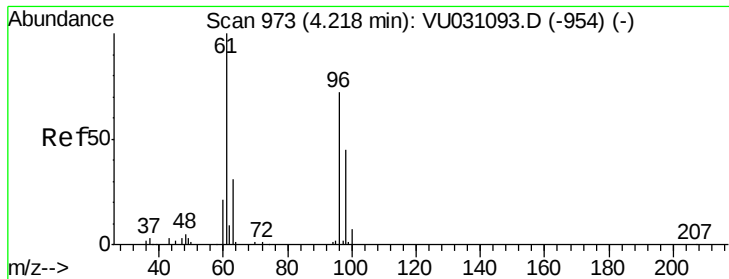
Ion Ratio Lower Upper

96 100

61 147.9 109.5 203.3

98 61.5 44.0 81.6

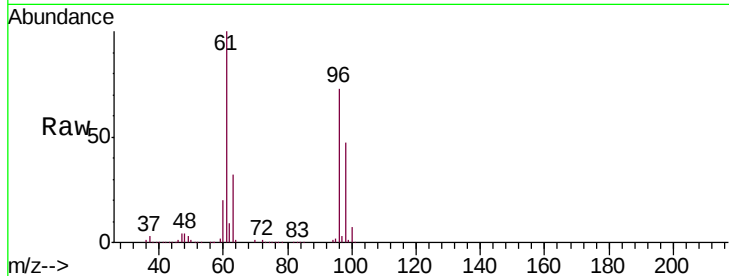




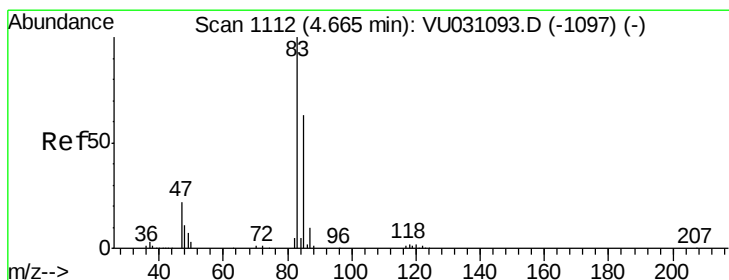
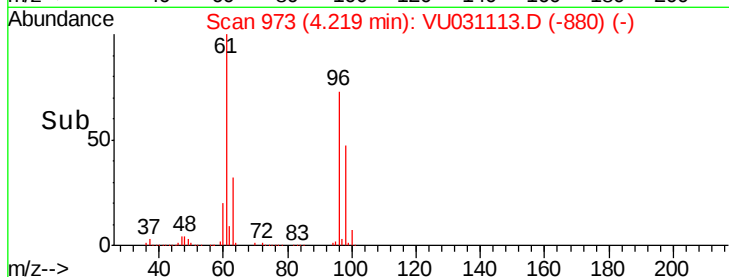
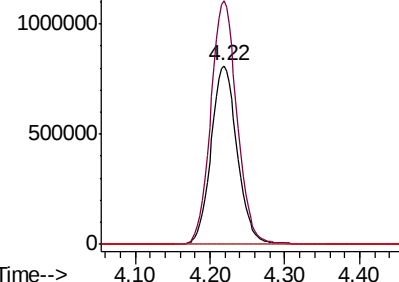
#20
 cis-1,2-Dichloroethene
 Concen: 459.345 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031113.D
 Acq: 12 Apr 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 DB736

Tgt Ion: 96 Resp: 1963760
 Ion Ratio Lower Upper
 96 100
 61 136.3 102.9 191.1
 68 0.0 0.0 0.0

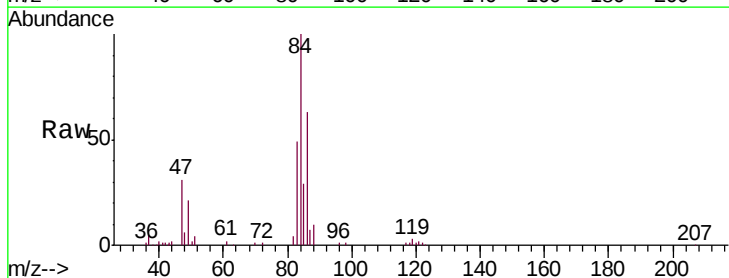


Abundance Ion 96.00 (95.70 to 96.70): VU0
 1500000 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

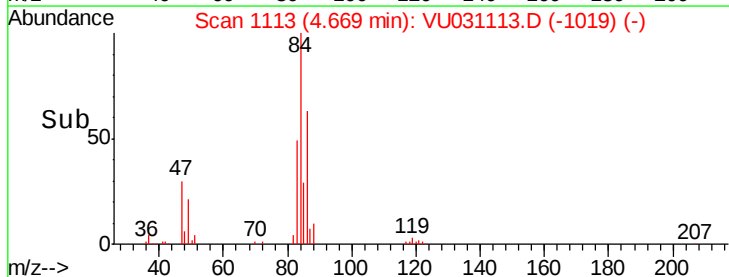
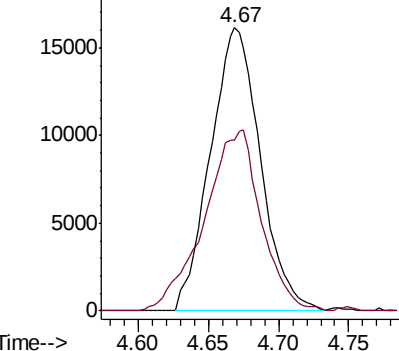


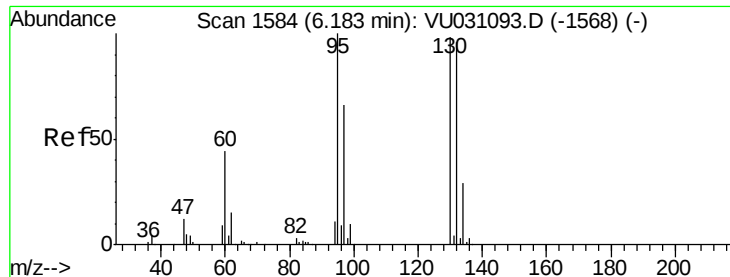
#25
 Chloroform
 Concen: 4.967 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031113.D
 Acq: 12 Apr 2019 08:38

Tgt Ion: 83 Resp: 39891
 Ion Ratio Lower Upper
 83 100
 85 60.4 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 15000 Ion 85.00 (84.70 to 85.70): VU0

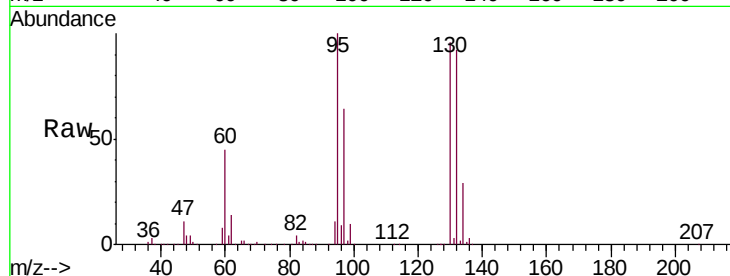




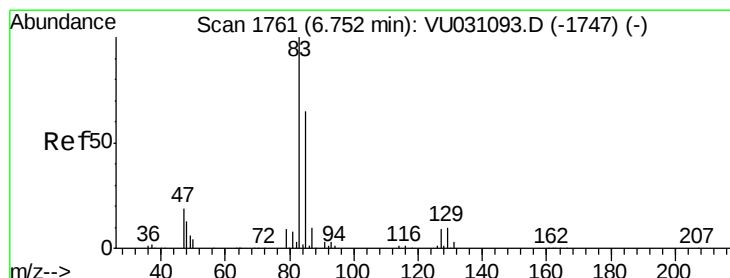
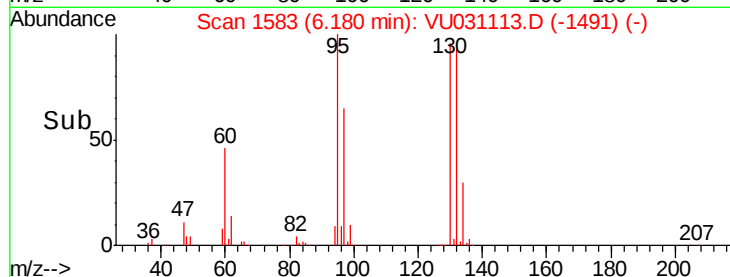
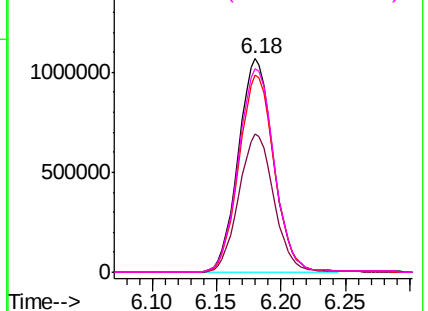
#34
 Trichloroethene
 Concen: 485.210 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031113.D
 Acq: 12 Apr 2019 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 DB736

Tgt Ion: 95 Resp: 2019448
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.5 82.7
 132 92.2 61.5 114.1
 130 95.6 64.9 120.5

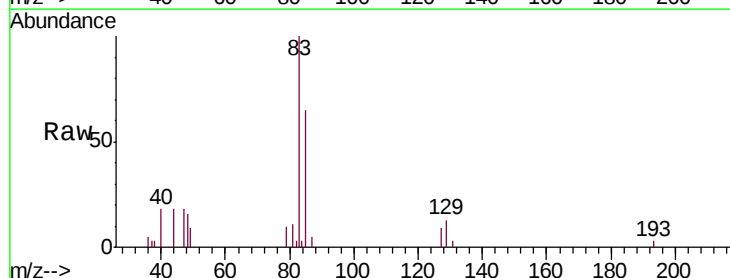


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

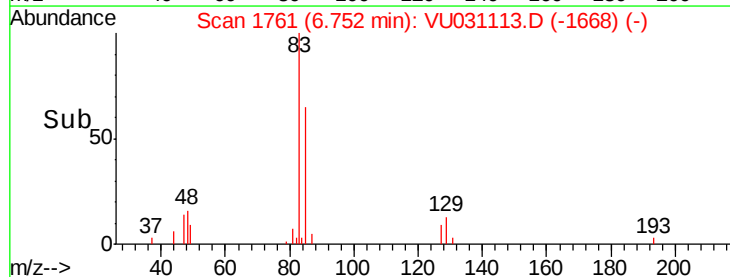
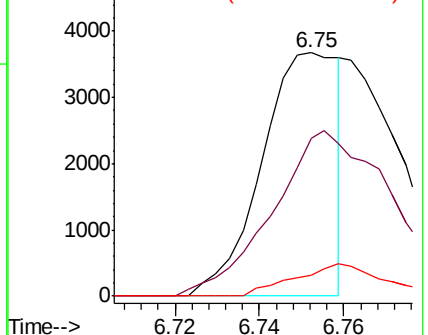


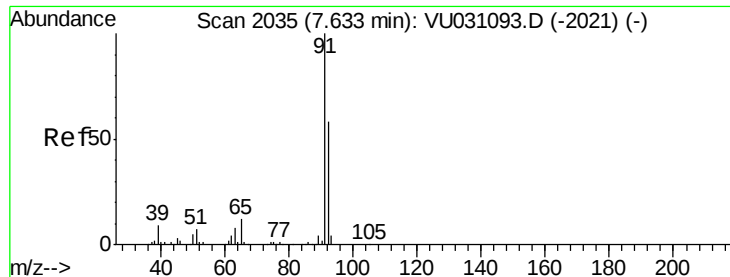
#38
 Bromodichloromethane
 Concen: 0.805 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031113.D
 Acq: 12 Apr 2019 08:38

Tgt Ion: 83 Resp: 4666
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.5 86.3
 127 8.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 127.00 (126.70 to 127.70): V





#42

Toluene

Concen: 6.587 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

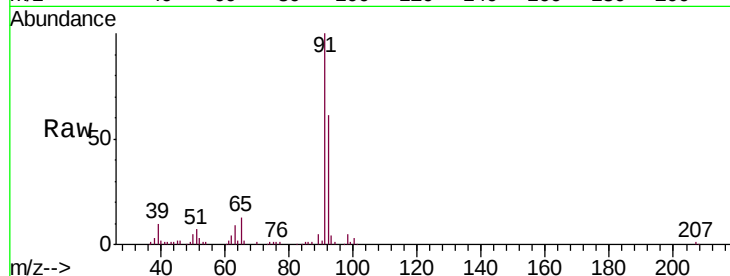
DB736

Tgt Ion: 91 Resp: 114096

Ion Ratio Lower Upper

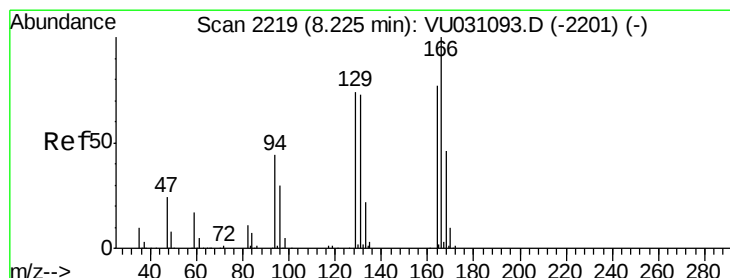
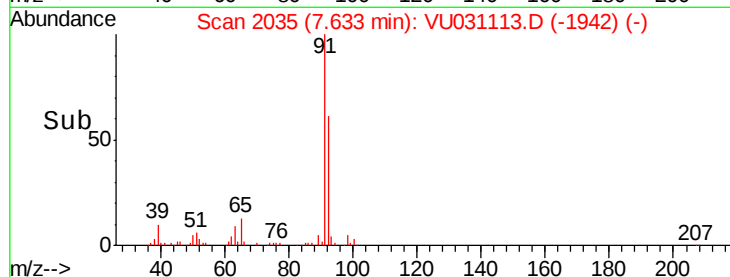
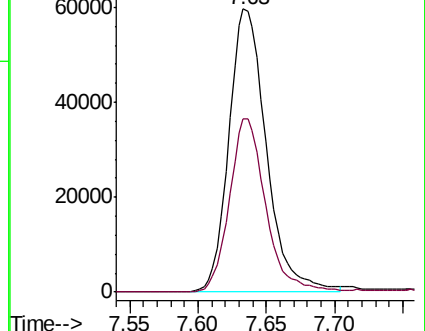
91 100

92 61.4 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031113.D (-2126) (-)

Ion 92.00 (91.70 to 92.70): VU031113.D (-2126) (-)



#46

Tetrachloroethene

Concen: 1770.554 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

Tgt Ion: 164 Resp: 5357528

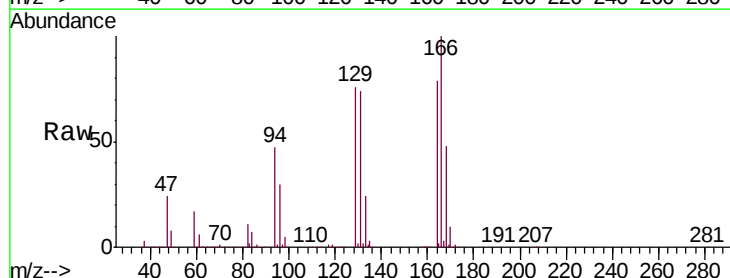
Ion Ratio Lower Upper

164 100

129 96.8 67.4 125.2

131 93.4 65.9 122.5

166 126.6 88.6 164.6

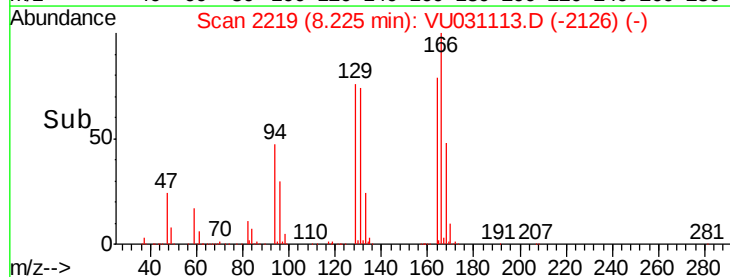
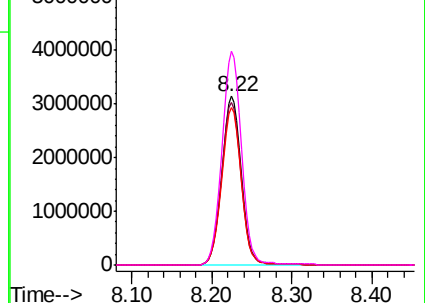


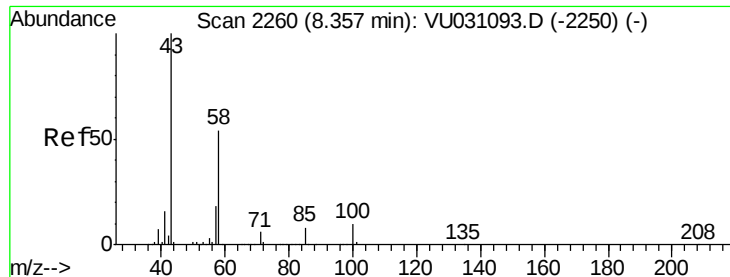
Abundance Ion 164.00 (163.70 to 164.70): VU031113.D (-2126) (-)

Ion 129.00 (128.70 to 129.70): VU031113.D (-2126) (-)

Ion 131.00 (130.70 to 131.70): VU031113.D (-2126) (-)

Ion 166.00 (165.70 to 166.70): VU031113.D (-2126) (-)

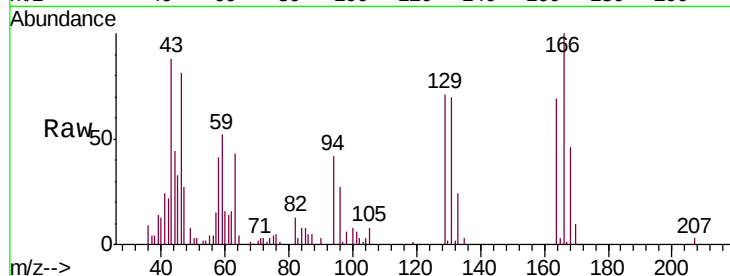




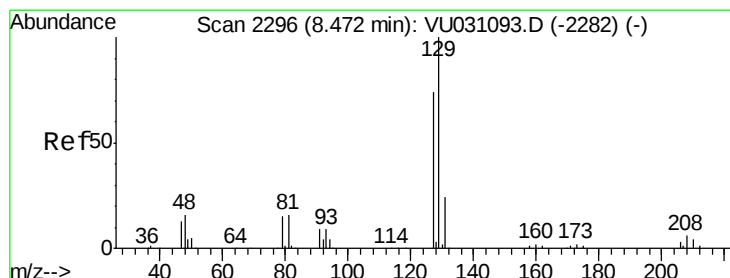
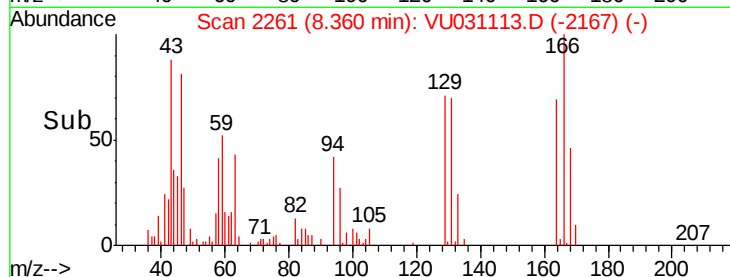
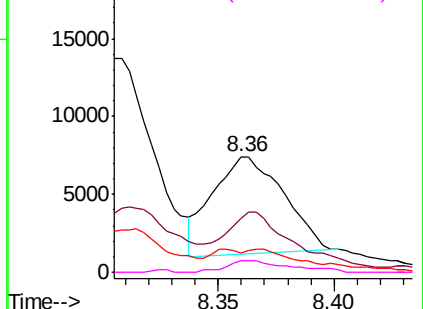
#48
2-Hexanone
Concen: 2.230 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031113.D
Acq: 12 Apr 2019 08:38

Instrument :
MSVOA_U
ClientSampleId :
DB736

Tgt Ion: 43 Resp: 13445
Ion Ratio Lower Upper
43 100
58 50.2 41.9 62.9
57 3.3 14.3 21.5#
100 10.4 7.1 10.7

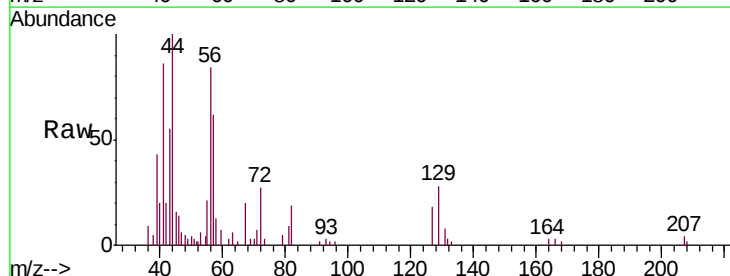


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

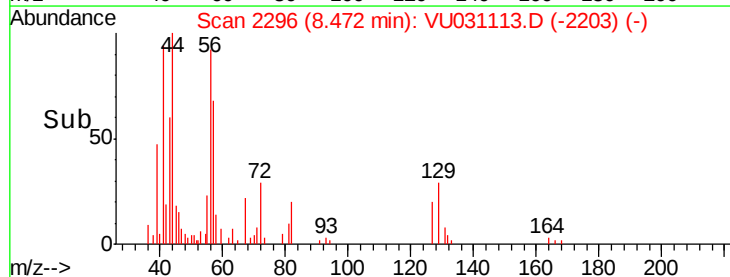
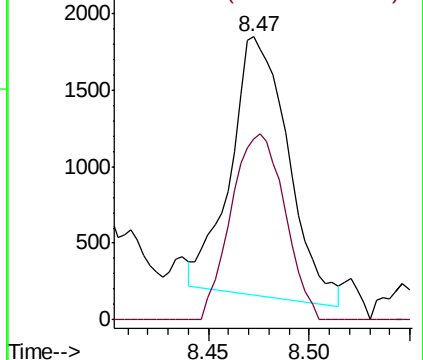


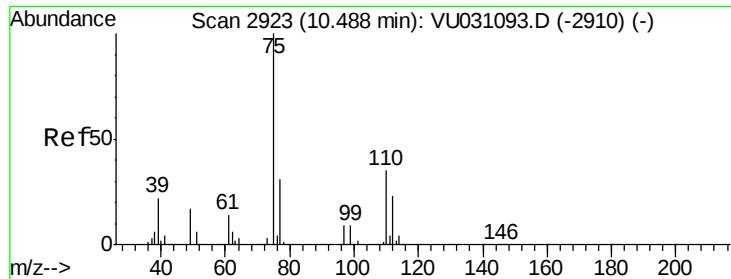
#49
Dibromochloromethane
Concen: 0.776 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031113.D
Acq: 12 Apr 2019 08:38

Tgt Ion: 129 Resp: 3355
Ion Ratio Lower Upper
129 100
127 64.1 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.542 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031113.D

Acq: 12 Apr 2019 08:38

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 26140

Ion Ratio Lower Upper

75 100

77 37.9 26.1 39.1

