

Data File : VU031379.D
Acq On : 19 Apr 2019 23:00
Operator : JC/SP
Sample : K2455-08 MSD
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHQ8MSD

Quant Time: Apr 20 01:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	672918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	655997	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	289235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163629	26.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	52.80%#
7) Chloroethane-d5	1.68	69	124724	23.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	46.36%#
11) 1,1-Dichloroethene-d2	2.24	63	384772	31.34	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.68%
21) 2-Butanone-d5	4.21	46	360532	79.88	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.88%
24) Chloroform-d	4.64	84	349989	33.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.70%#
26) 1,2-Dichloroethane-d4	5.31	65	223254	35.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.12%
32) Benzene-d6	5.33	84	742018	35.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.56%
36) 1,2-Dichloropropane-d6	6.32	67	202780	30.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	60.26%#
41) Toluene-d8	7.56	98	557513	30.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	61.10%#
43) trans-1,3-Dichloropropene-	7.85	79	93794	29.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.30%#
47) 2-Hexanone-d5	8.34	63	271317	85.39	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.39%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	280975	30.07	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	60.14%#
64) 1,2-Dichlorobenzene-d4	11.86	152	240182	36.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.42%#

Target Compounds

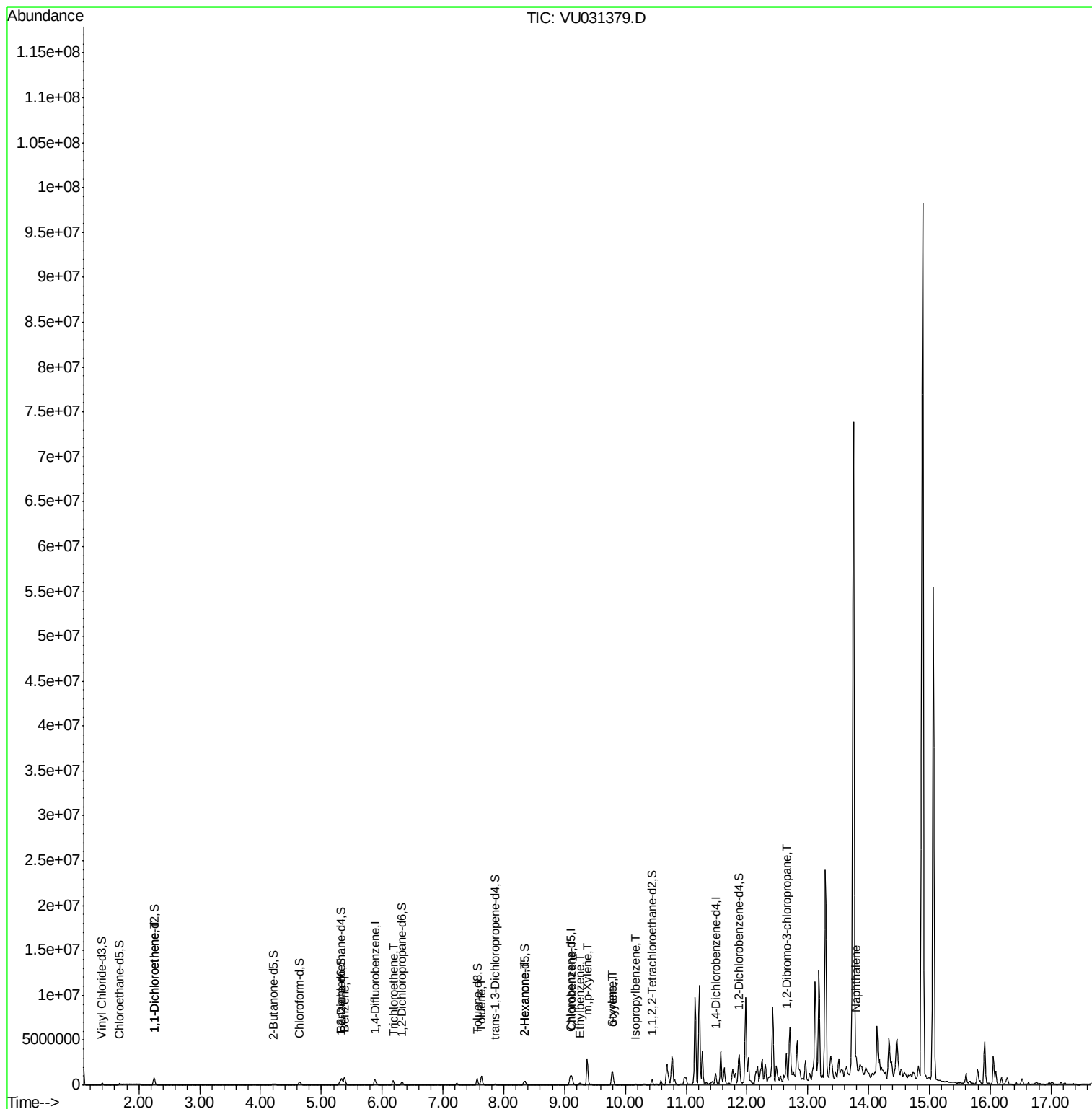
						Qvalue
12) 1,1-Dichloroethene	2.25	96	201991	38.406	ug/L	87
33) Benzene	5.38	78	912222	41.344	ug/L	100
34) Trichloroethene	6.18	95	184635	33.445	ug/L	94
42) Toluene	7.63	91	833420	37.973	ug/L	100
48) 2-Hexanone	8.34	43	30594	4.666	ug/L #	62
51) Chlorobenzene	9.12	112	620659	45.247	ug/L	97
52) Ethylbenzene	9.25	91	184139	7.707	ug/L	99
53) m,p-Xylene	9.37	106	806317	95.630	ug/L	98
54) o-xylene	9.78	106	346165	40.542	ug/L	93
55) Styrene	9.80	104	431521	29.939	ug/L	96
56) Isopropylbenzene	10.17	105	55750	2.547	ug/L #	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	9948	5.186	ug/L #	7
69) Naphthalene	13.80	128	429596	23.618	ug/L #	20

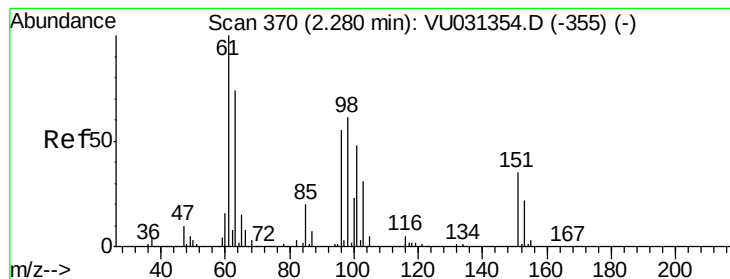
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 38.406 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.03 min

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Instrument :

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ClientSampleId :

GAHQ8MSD

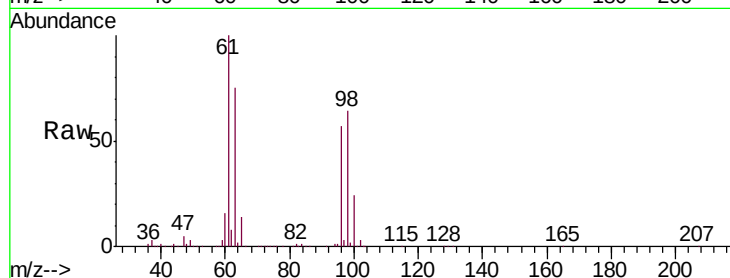
Tgt Ion: 96 Resp: 201991

Ion Ratio Lower Upper

96 100

61 174.0 130.4 242.2

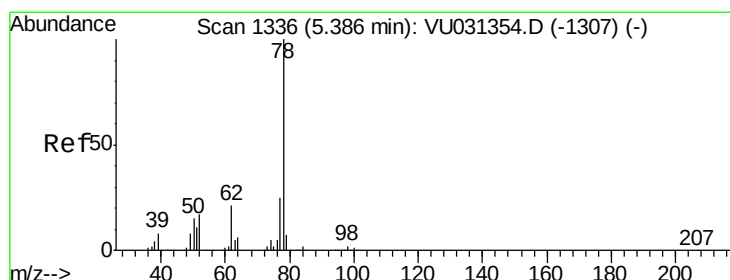
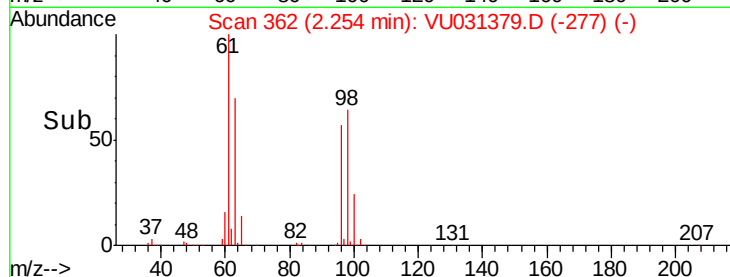
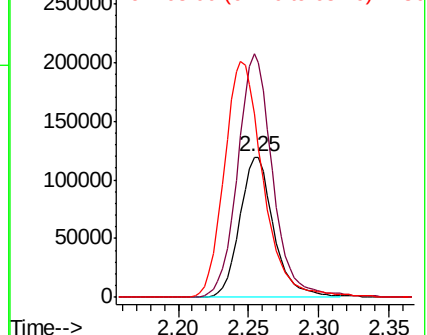
63 131.1 108.9 202.3



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



#33

Benzene

Concen: 41.344 ug/L

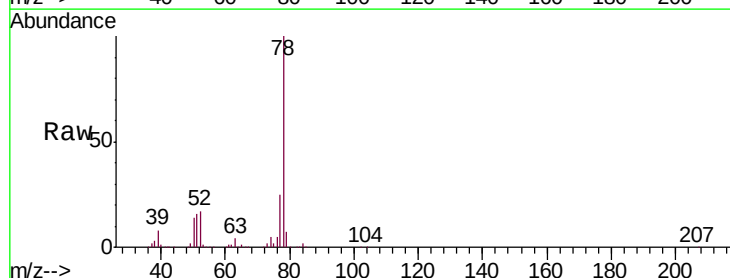
RT: 5.38 min Scan# 1334

Delta R.T. -0.01 min

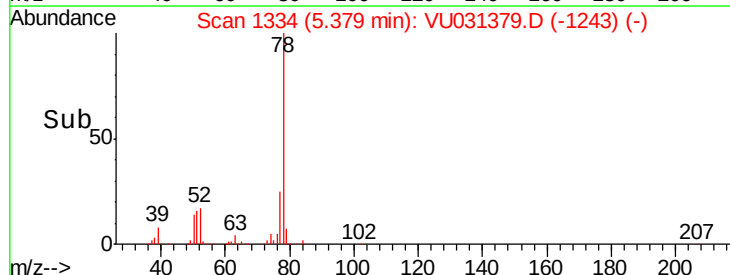
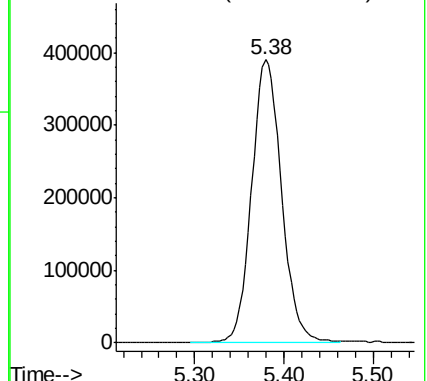
Lab File: VU031379.D

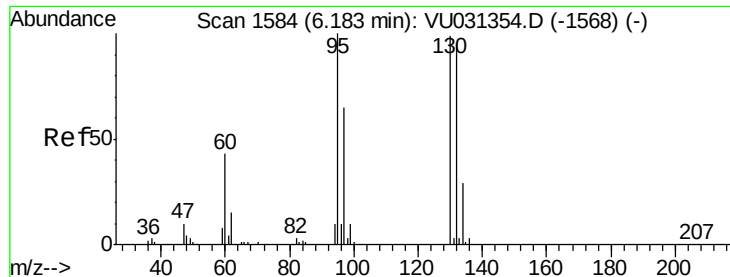
Acq: 19 Apr 2019 23:00

Tgt Ion: 78 Resp: 912222



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 33.445 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031379.D

Acq: 19 Apr 2019 23:00

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 184635

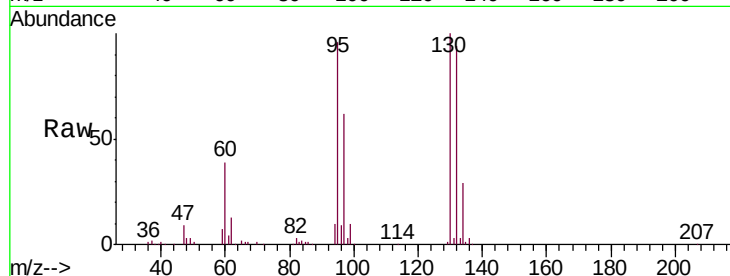
Ion Ratio Lower Upper

95 100

97 64.4 43.6 81.0

132 97.8 64.5 119.7

130 104.6 68.0 126.2

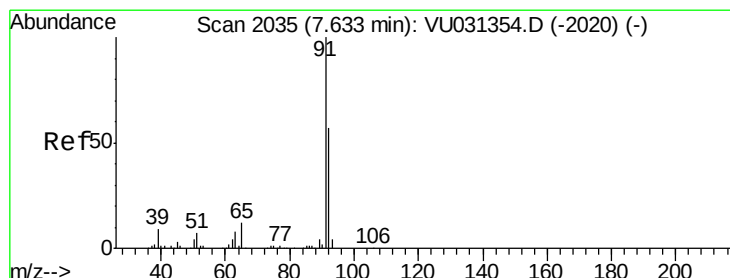
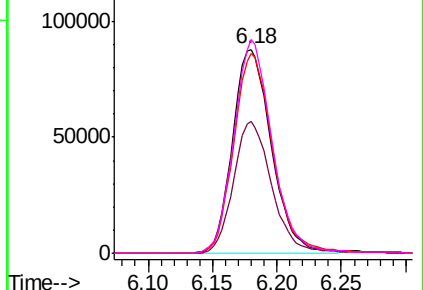
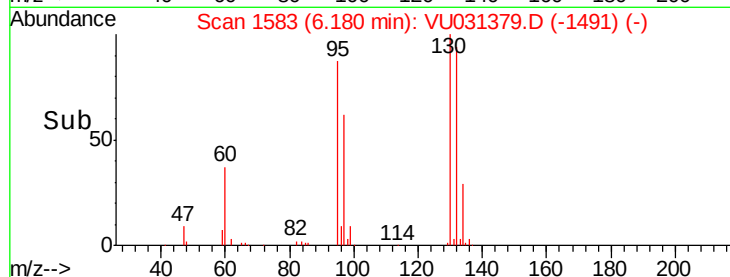


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 37.973 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031379.D

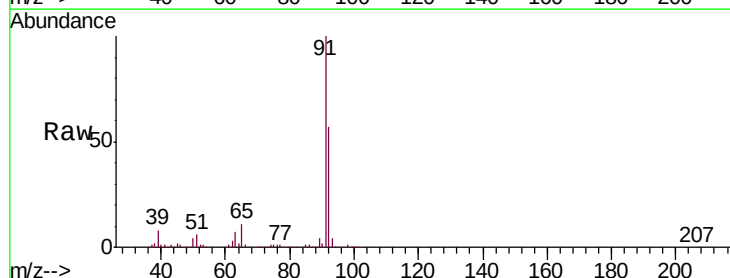
Acq: 19 Apr 2019 23:00

Tgt Ion: 91 Resp: 833420

Ion Ratio Lower Upper

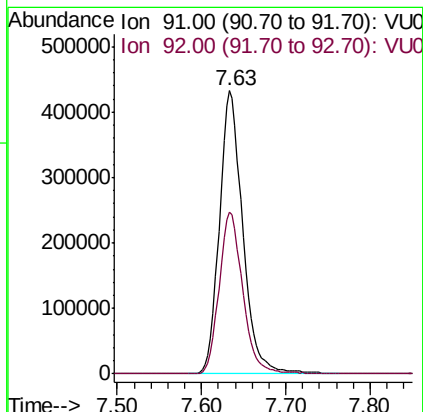
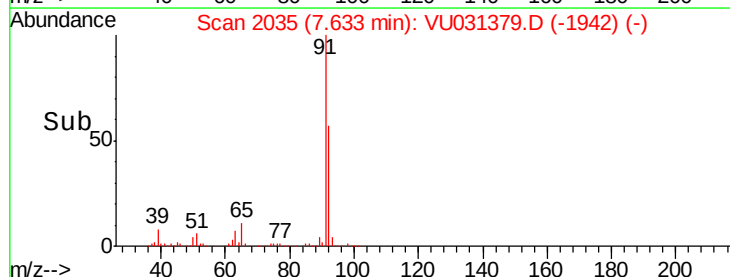
91 100

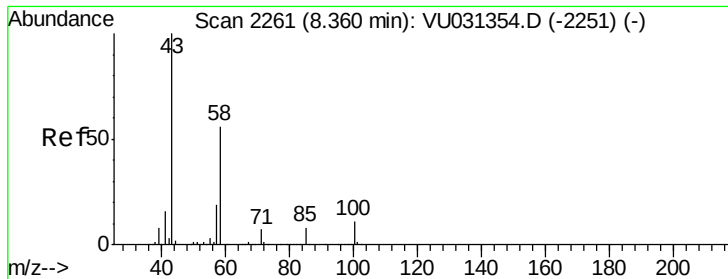
92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

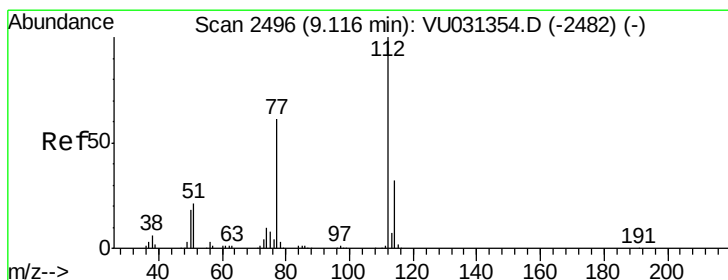
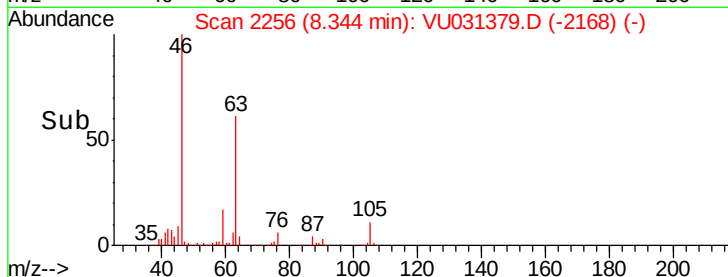
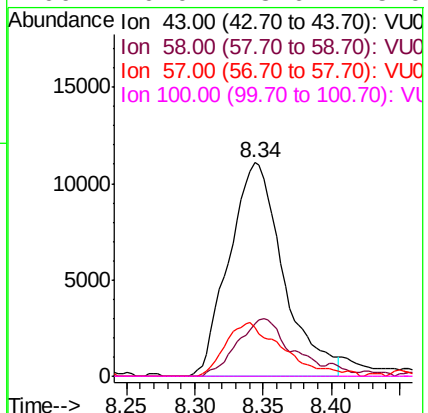
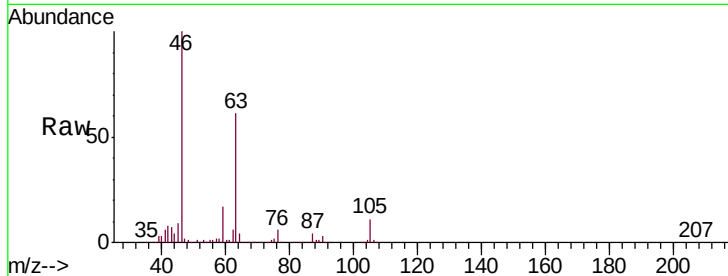




#48
2-Hexanone
Concen: 4.666 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.02 min
Lab File: VU031379.D
Acq: 19 Apr 2019 23:00

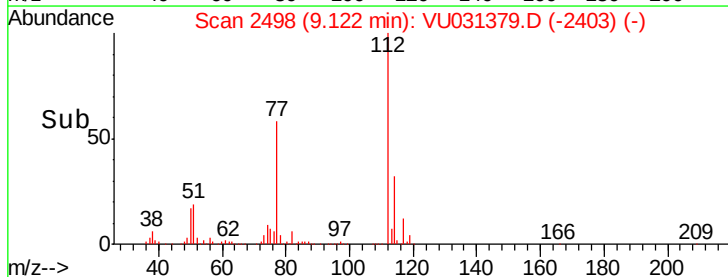
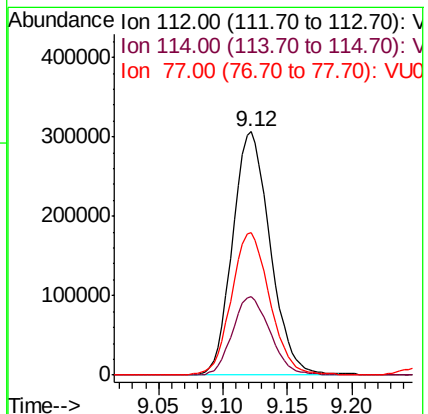
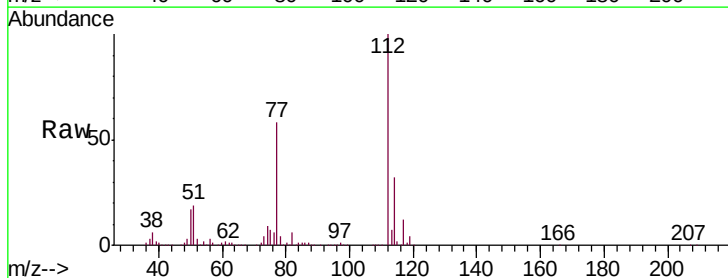
Instrument :
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ClientSampleId :
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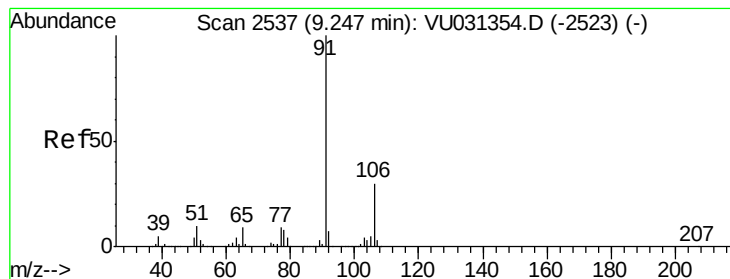
Tgt Ion: 43 Resp: 30594
Ion Ratio Lower Upper
43 100
58 21.7 44.9 67.3#
57 25.3 15.1 22.7#
100 0.0 8.6 13.0#



#51
Chlorobenzene
Concen: 45.247 ug/L
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU031379.D
Acq: 19 Apr 2019 23:00

Tgt Ion: 112 Resp: 620659
Ion Ratio Lower Upper
112 100
114 32.1 21.6 40.0
77 58.5 49.0 73.4





#52

Ethylbenzene

Concen: 7.707 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU031379.D

Acq: 19 Apr 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

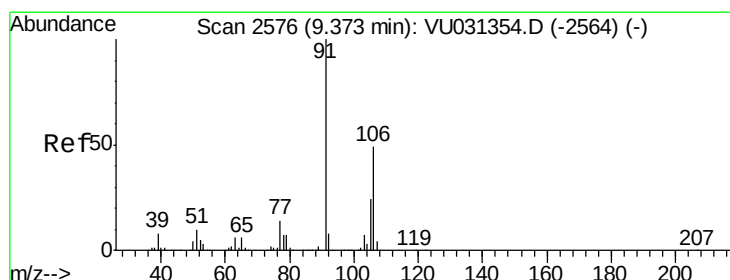
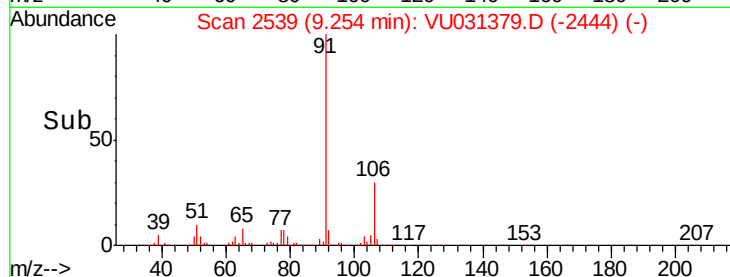
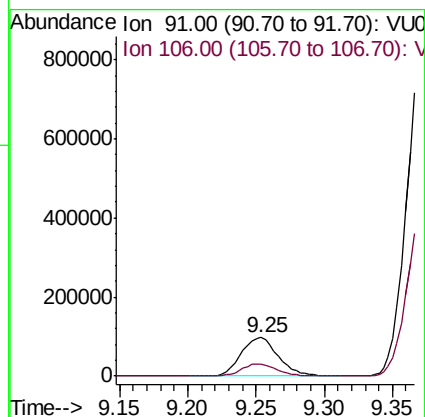
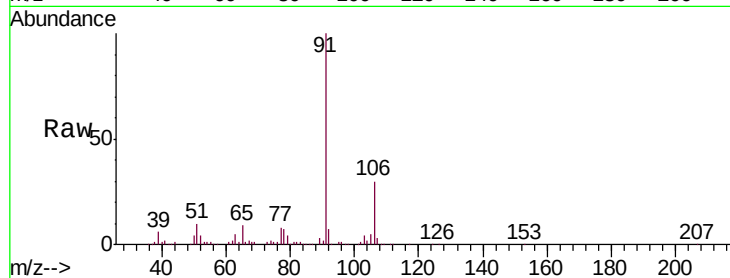
GAHQ8MSD

Tgt Ion: 91 Resp: 184139

Ion Ratio Lower Upper

91 100

106 30.3 20.9 38.7



#53

m,p-Xylene

Concen: 95.630 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031379.D

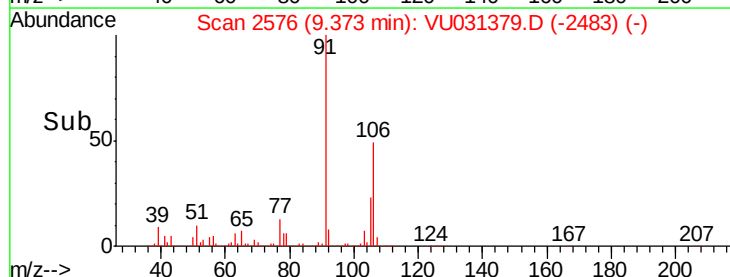
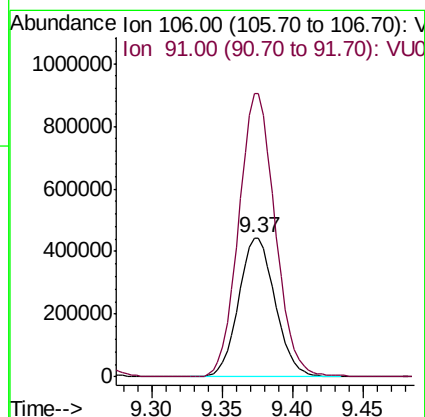
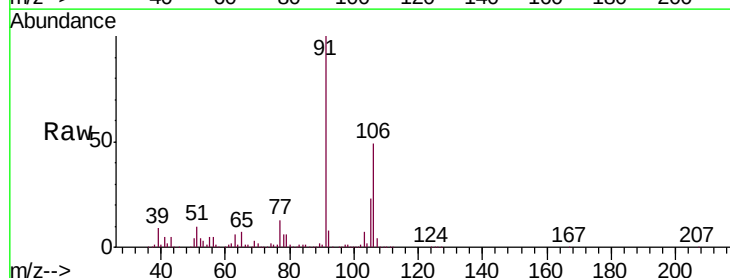
Acq: 19 Apr 2019 23:00

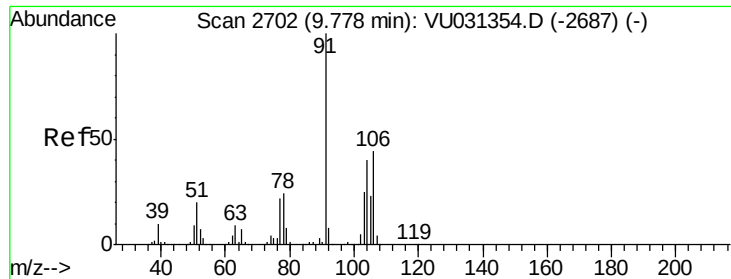
Tgt Ion: 106 Resp: 806317

Ion Ratio Lower Upper

106 100

91 203.8 144.5 268.4





#54

o-xylene

Concen: 40.542 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU031379.D

Acq: 19 Apr 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

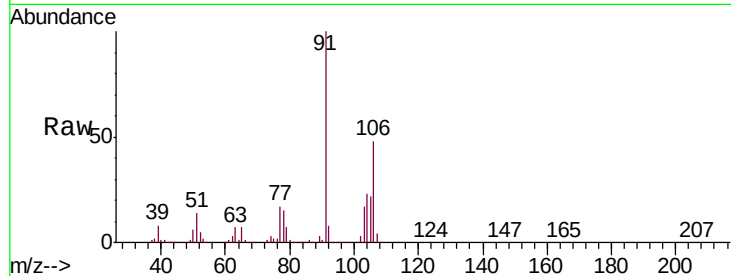
GAHQ8MSD

Tgt Ion:106 Resp: 346165

Ion Ratio Lower Upper

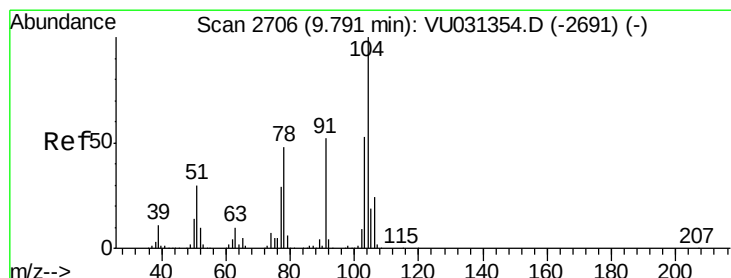
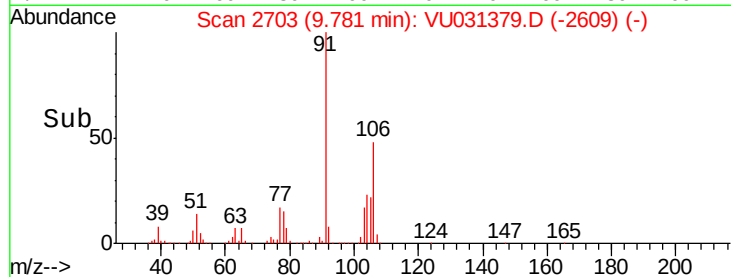
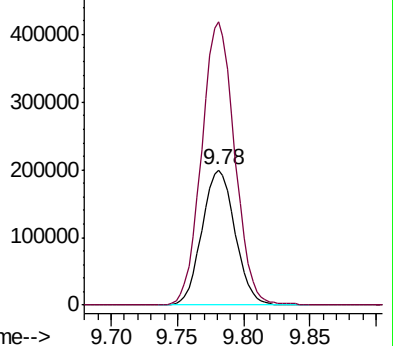
106 100

91 209.3 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 29.939 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU031379.D

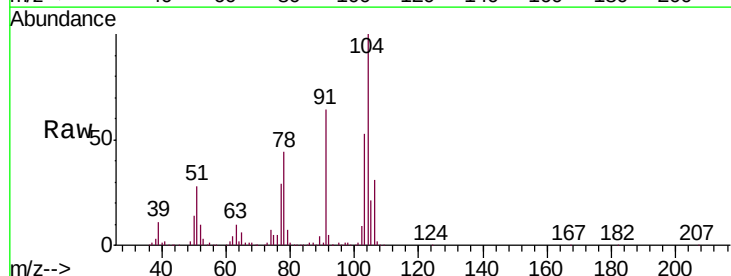
Acq: 19 Apr 2019 23:00

Tgt Ion:104 Resp: 431521

Ion Ratio Lower Upper

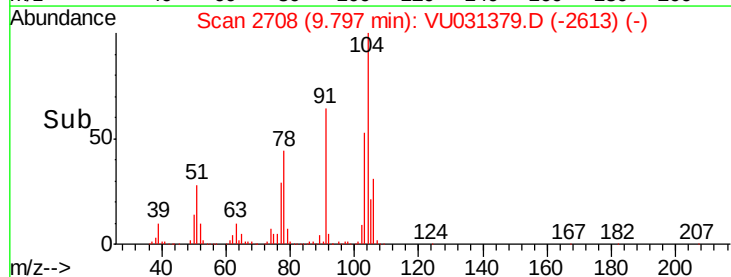
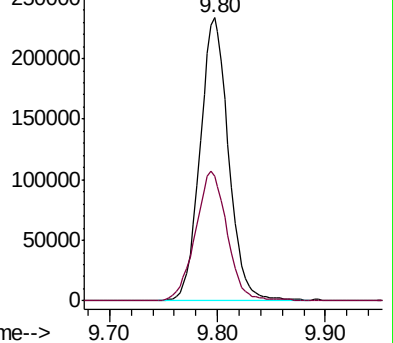
104 100

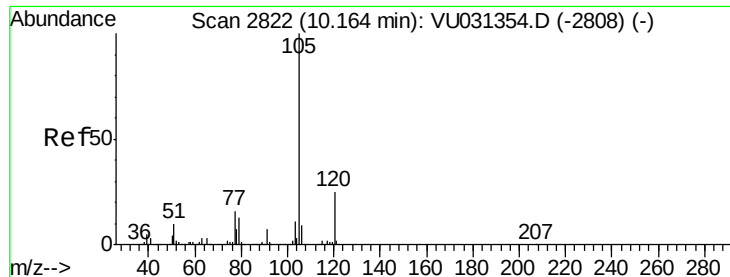
78 44.1 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 2.547 ug/L

RT: 10.17 min Scan# 2824

Delta R.T. 0.01 min

Lab File: VU031379.D

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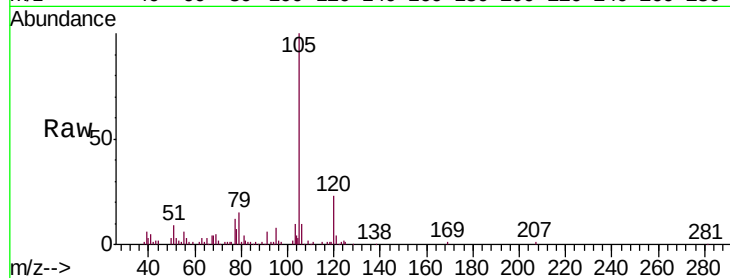
Tgt Ion: 105 Resp: 55750

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

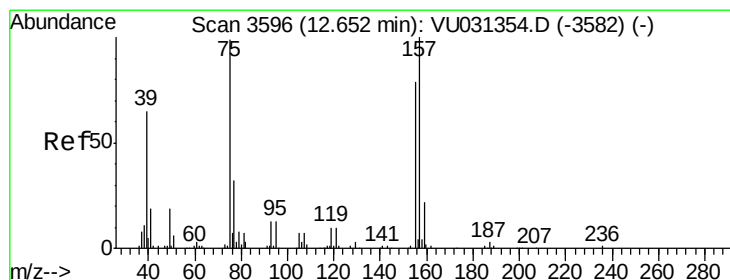
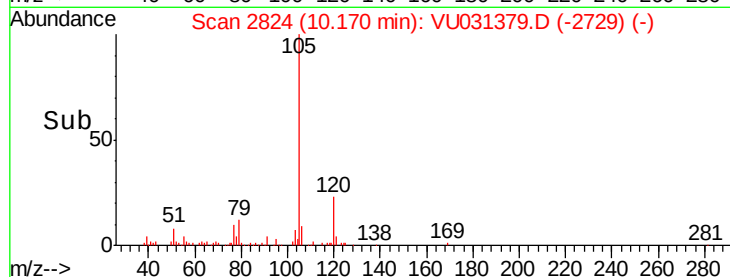
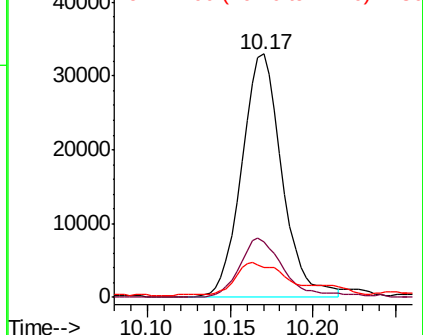
77 9.9 13.0 19.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.186 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. -0.01 min

Lab File: VU031379.D

Acq: 19 Apr 2019 23:00

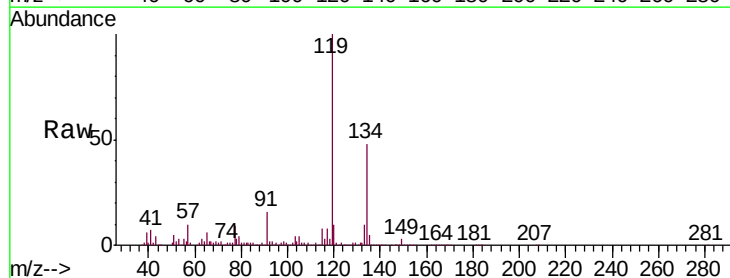
Tgt Ion: 75 Resp: 9948

Ion Ratio Lower Upper

75 100

155 10.5 66.7 100.1#

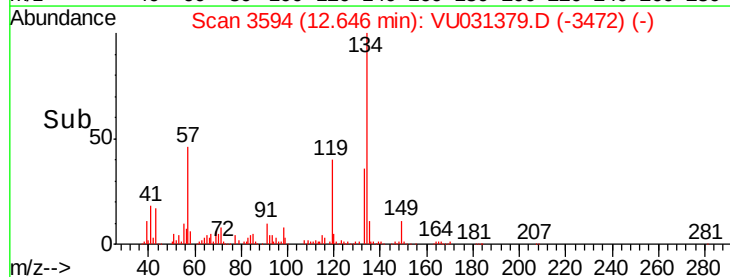
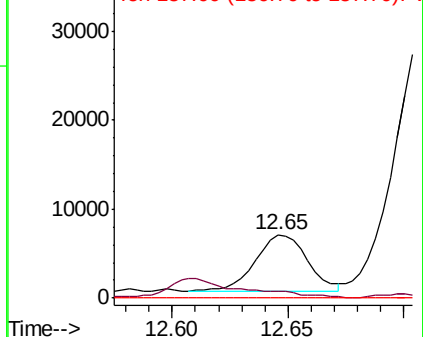
157 0.0 86.5 129.7#

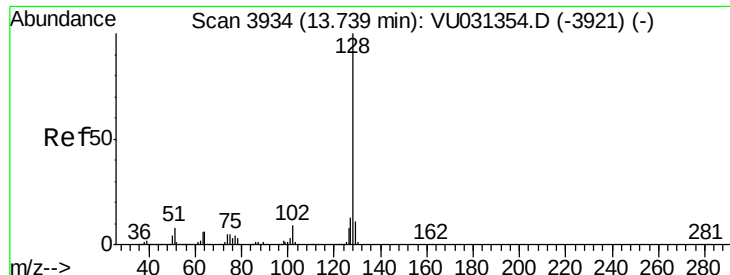


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 23.618 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.06 min

Lab File: VU031379.D

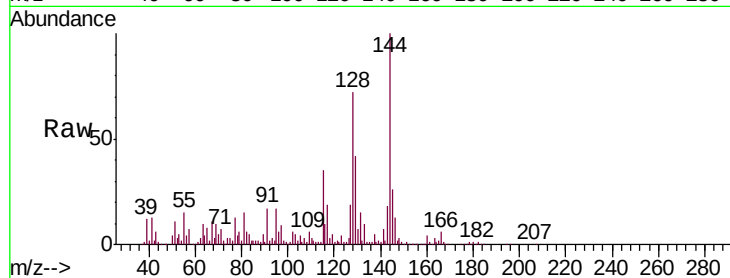
Acq: 19 Apr 2019 23:00

Instrument :

MSVOA_U

ClientSampleId :

GAHQ8MSD



Tgt Ion:128 Resp: 429596

Ion Ratio Lower Upper

128 100

127 25.4 10.3 15.5#

129 62.5 8.2 12.2#

