

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003706.D
 Acq On : 09 Dec 2020 17:19
 Operator : SY/MD
 Sample : L4979-09
 Misc : 0.54G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F9

Manual Integrations
 APPROVED

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 12/11/2020 12:25:28 PM

Quant Time: Dec 10 04:00:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	207494	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	193307	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	87704	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	48757	16.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.48%
7) Chloroethane-d5	2.77	69	41460	18.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.92%
10) 1,1-Dichloroethene-d2	3.86	63	79240	14.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.40%
20) 2-Butanone-d5	6.90	46	26637	25.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.92%
24) Chloroform-d	7.49	84	109696	20.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.16%
26) 1,2-Dichloroethane-d4	8.15	65	56723	18.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.52%
29) Benzene-d6	8.12	84	231905	20.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.88%
33) 1,2-Dichloropropane-d6	9.12	67	69520	20.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.96%
37) Toluene-d8	10.18	98	214124	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.36%
38) trans-1,3-Dichloropropene-	10.44	79	29412	18.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.32%
39) 2-Hexanone-d5	10.79	63	22705	27.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	49727	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.40%
61) 1,2-Dichlorobenzene-d4	13.72	152	71864	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.97	43	1815m	2.367	ug/L	
16) Methylene chloride	4.73	84	7009	1.924	ug/L	87
34) Benzene	8.16	78	2479	0.224	ug/L	100
44) Toluene	10.25	91	10239	0.878	ug/L	81
53) Ethylbenzene	11.59	91	7848	0.616	ug/L	89

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

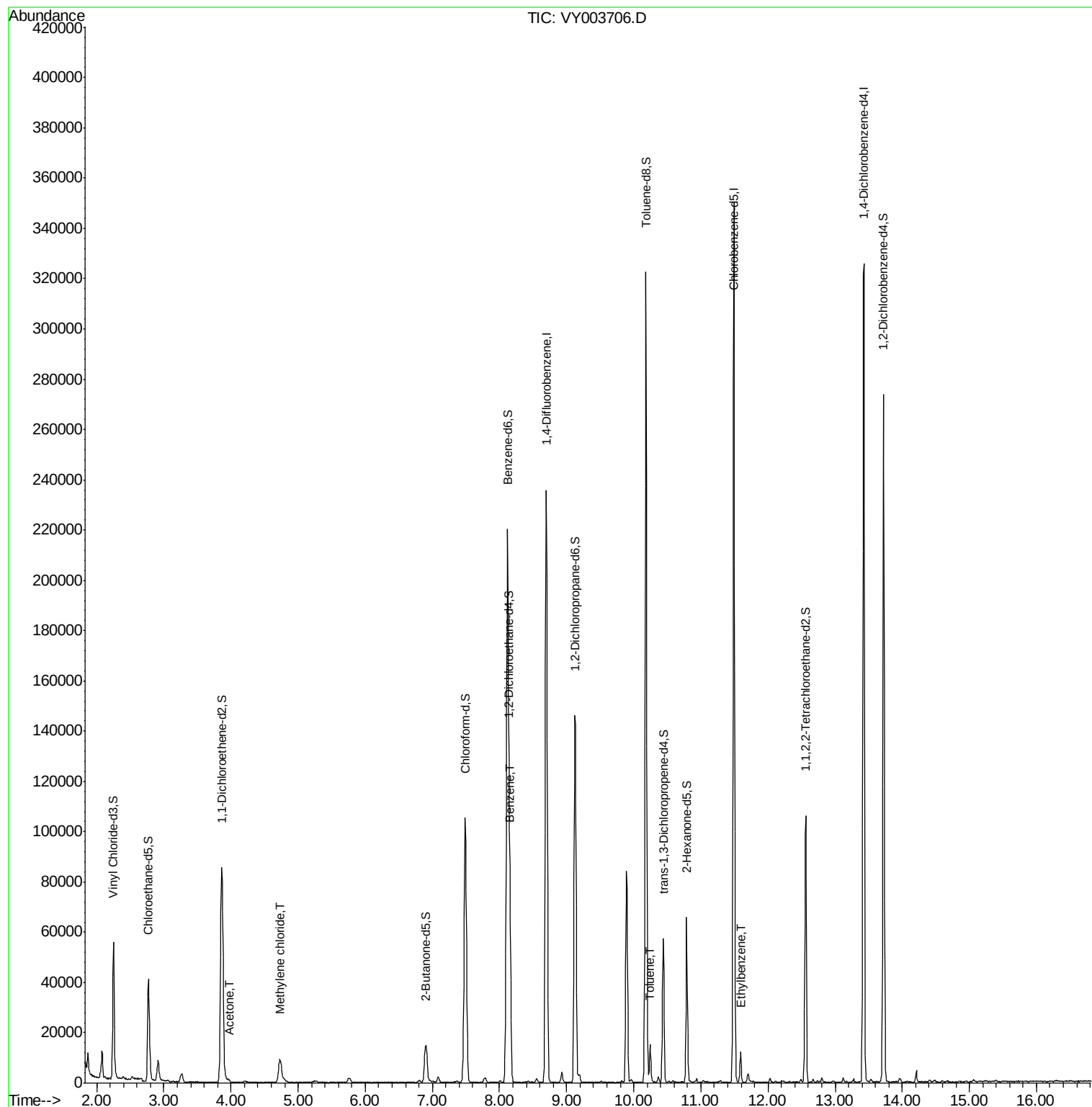
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
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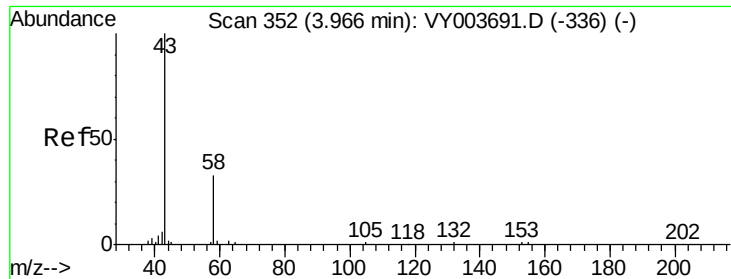
Instrument :
MSVOA_Y
ClientSampleId :
GB1F9

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Quant Time: Dec 10 04:00:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 10 02:27:01 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.367 ug/L m

RT: 3.97 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

ClientSampled :

GB1F9

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

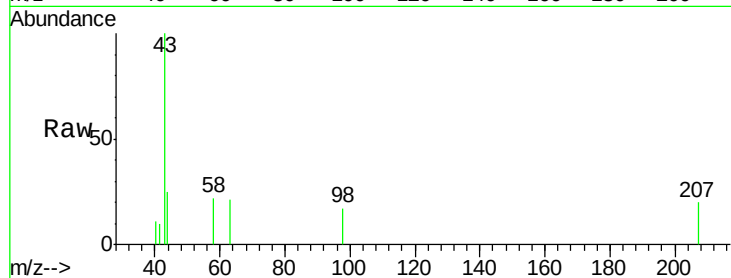
43 100

58 2.4 0.0 68.8

Manual Integrations
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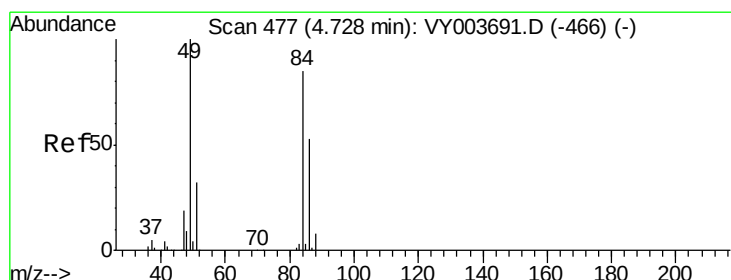
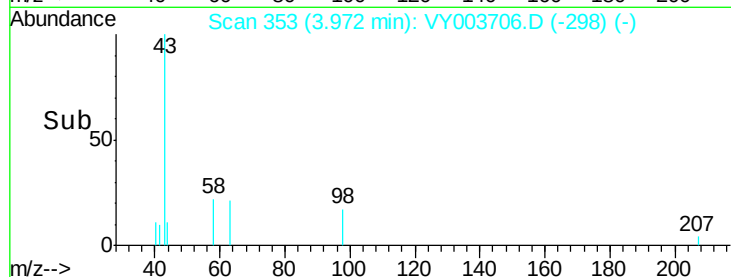
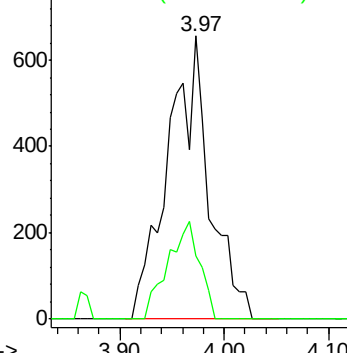
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 1.924 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

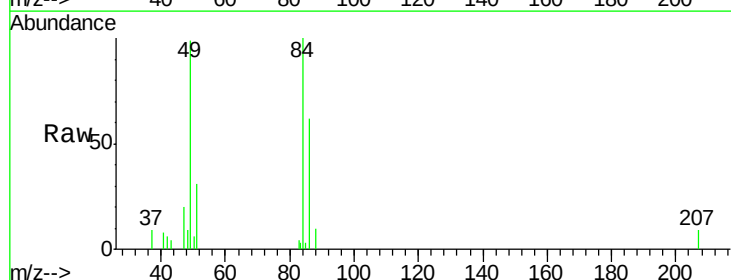
Tgt Ion: 84 Resp: 7009

Ion Ratio Lower Upper

84 100

49 98.7 83.7 155.4

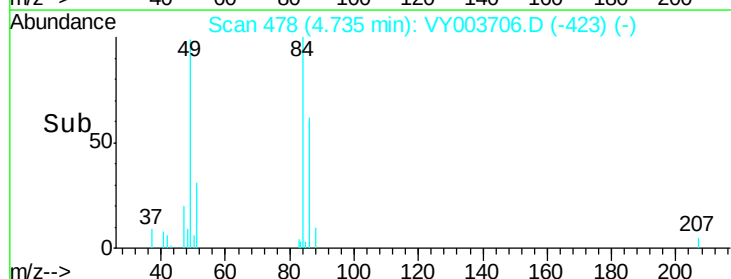
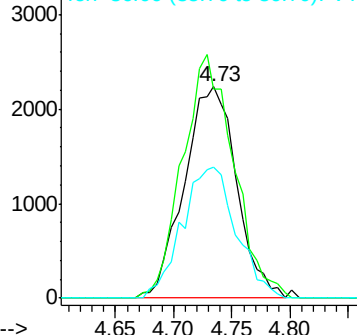
86 61.8 45.0 83.6

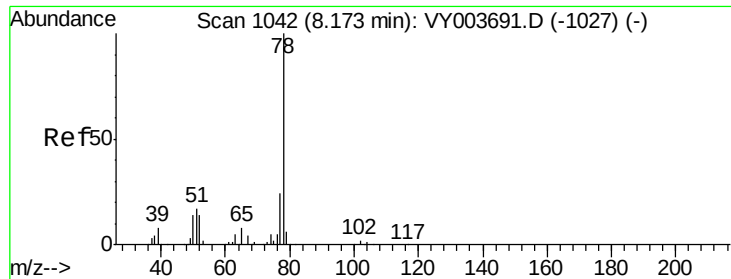


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#34

Benzene

Concen: 0.224 ug/L

RT: 8.16 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VY003706.D

Acq: 09 Dec 2020 17:19

Instrument :

MSVOA_Y

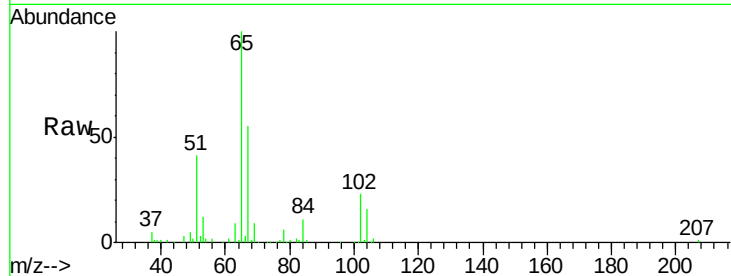
ClientSampleId :

GB1F9

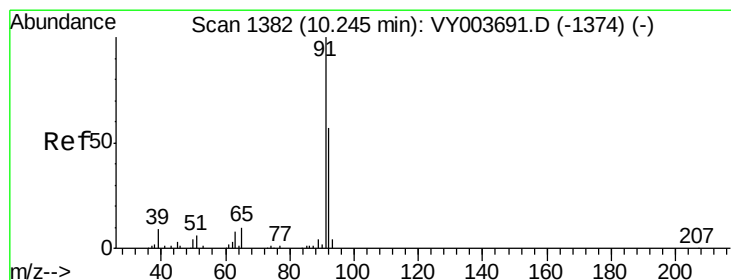
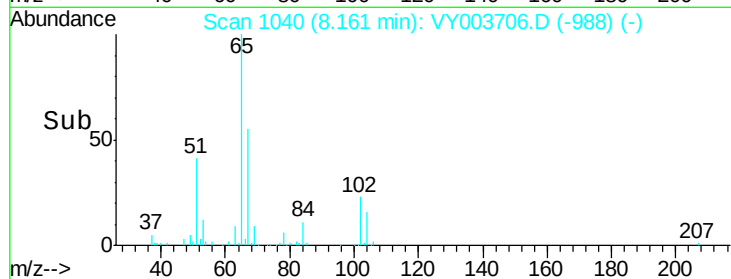
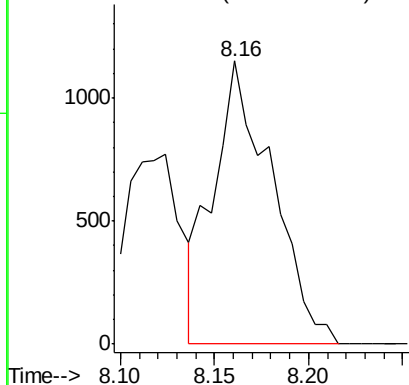
Tgt Ion: 78 Resp: 2479

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Abundance Ion 78.00 (77.70 to 78.70): VY0



#44

Toluene

Concen: 0.878 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003706.D

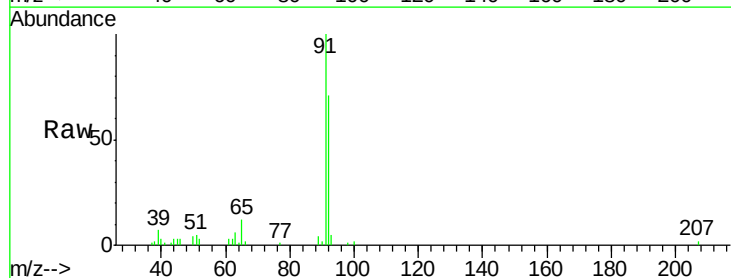
Acq: 09 Dec 2020 17:19

Tgt Ion: 91 Resp: 10239

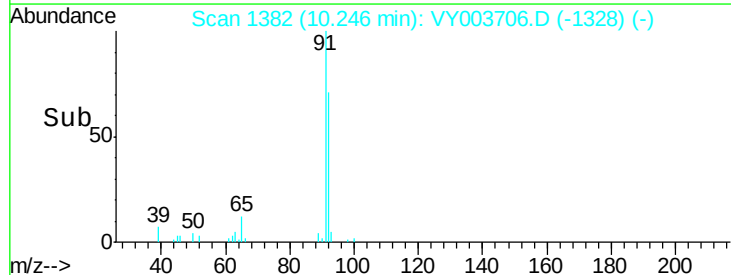
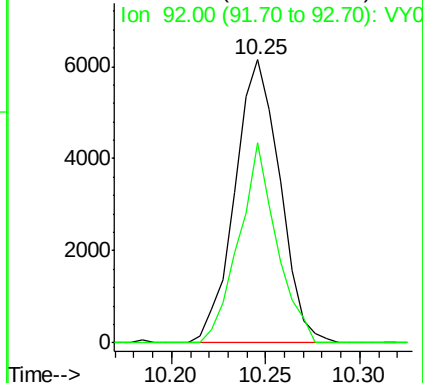
Ion Ratio Lower Upper

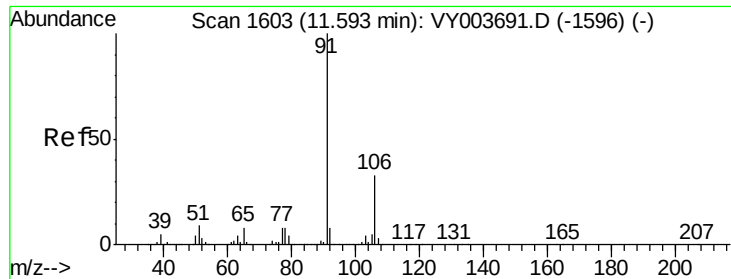
91 100

92 70.7 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0





#53
Ethylbenzene
Concen: 0.616 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003706.D
Acq: 09 Dec 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
GB1F9

Tot Ion	Ratio	Lower	Upper
91	100		
106	26.8	23.3	43.3

Manual Integrations
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