

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036667.D
 Acq On : 3 Apr 2021 5:15
 Operator : SY/AP
 Sample : M1834-01 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
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apatel
 4/5/2021 1:14:27 PM

Quant Time: Apr 04 19:13:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1174412	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3297359	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3083305	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2353245	9.58	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	249392m	3.565	ppbv	
10) Heptane	8.14	43	11935385	66.977	ppbv	92
26) Hexane	5.70	57	22040932	172.833	ppbv #	46
30) Cyclohexane	7.13	84	5548124	53.644	ppbv	91
36) Benzene	6.89	78	10421047	34.268	ppbv #	89
44) 2,2,4-Trimethylpentane	7.91	57	52692406m	98.449	ppbv	
53) Toluene	9.82	91	76420m	0.236	ppbv	
58) Ethyl Benzene	12.69	91	250690	0.559	ppbv	97
62) Isopropylbenzene	14.65	105	71639m	0.141	ppbv	

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

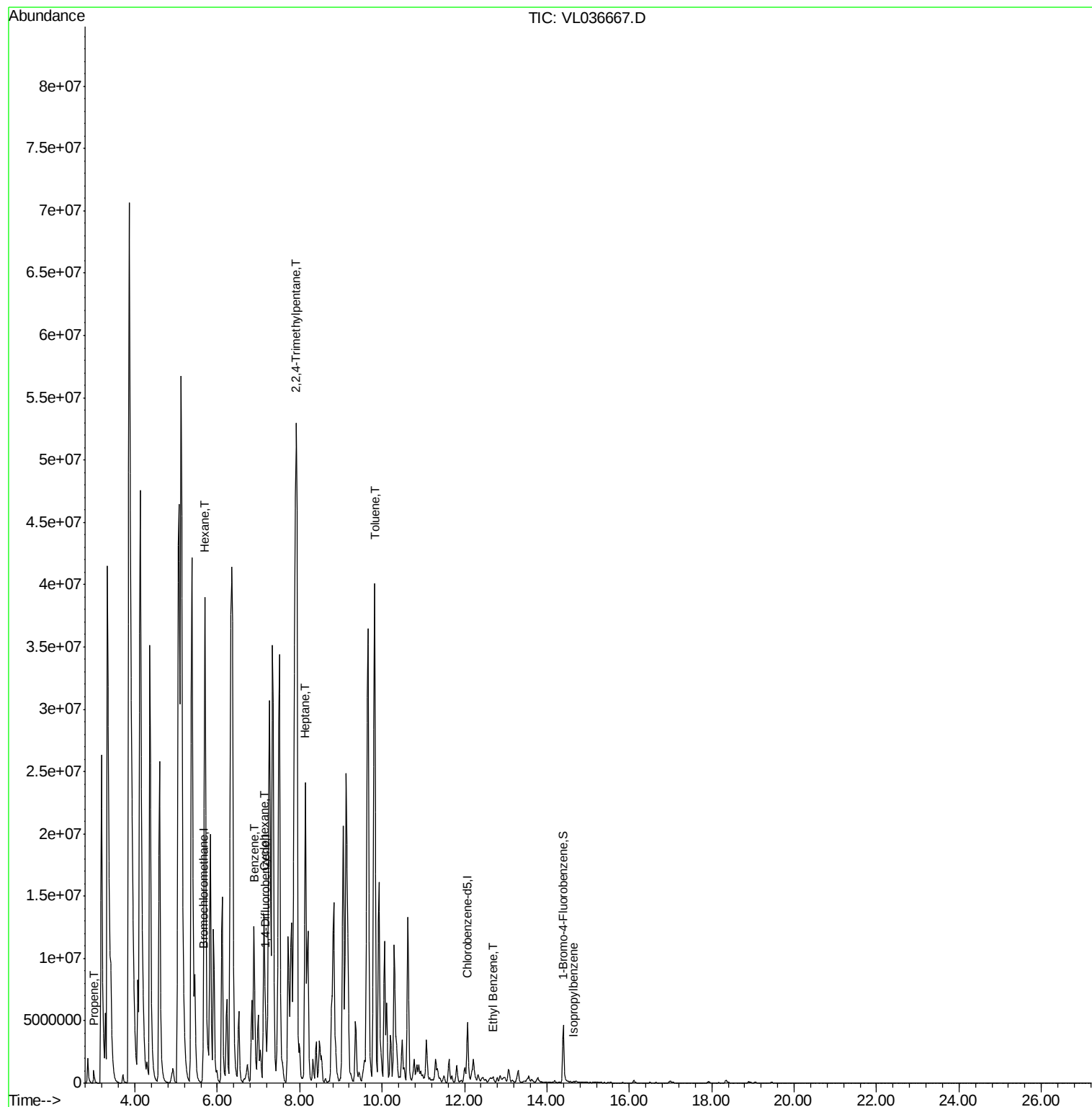
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036667.D
Acq On : 3 Apr 2021 5:15
Operator : SY/AP
Sample : M1834-01 1200X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

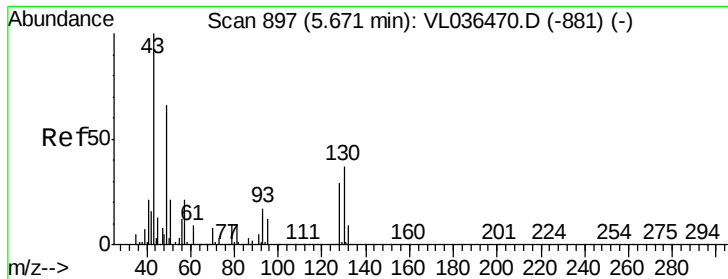
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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Quant Time: Apr 04 19:13:02 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036667.D

Acq: 3 Apr 2021 5:15

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 49 Resp: 1174412

Ion Ratio Lower Upper

49 100

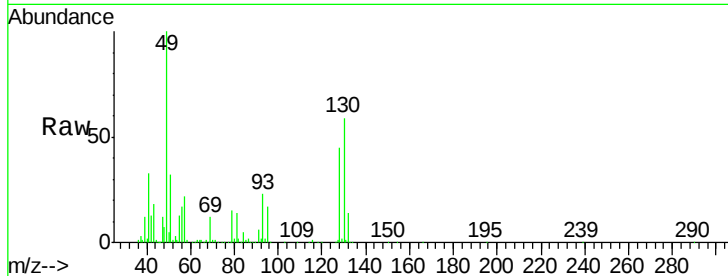
128 49.2 23.5 70.6

130 62.1 29.1 87.4

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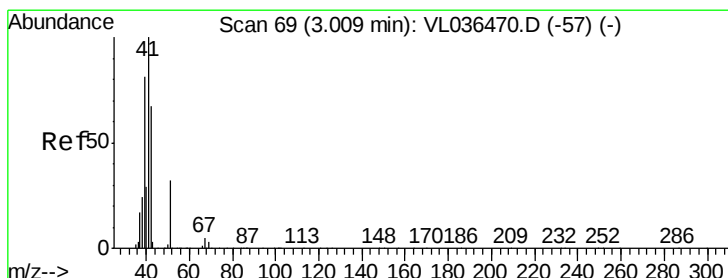
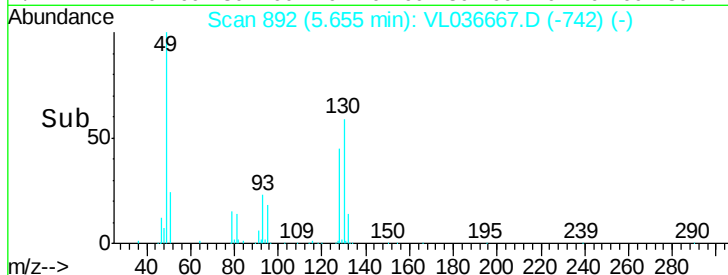
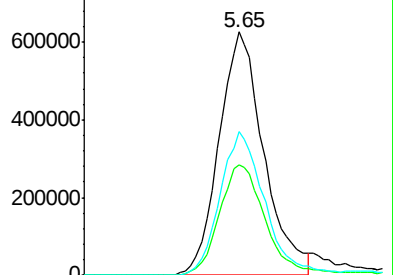
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 3.565 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036667.D

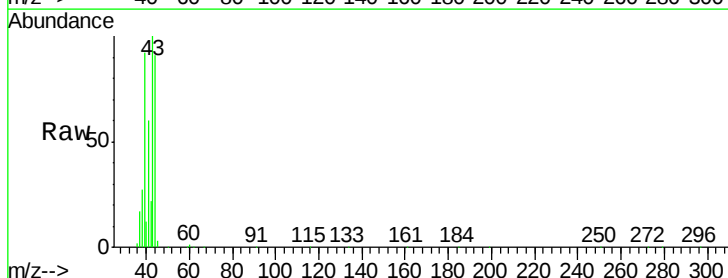
Acq: 3 Apr 2021 5:15

Tgt Ion: 41 Resp: 249392

Ion Ratio Lower Upper

41 100

42 4524.6 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

Ion 47.10 (46.80 to 47.80): VL0

Ion 48.10 (47.80 to 48.80): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

Ion 53.10 (52.80 to 53.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

Ion 55.10 (54.80 to 55.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 59.10 (58.80 to 59.80): VL0

Ion 60.10 (59.80 to 60.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

Ion 65.10 (64.80 to 65.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

Ion 67.10 (66.80 to 67.80): VL0

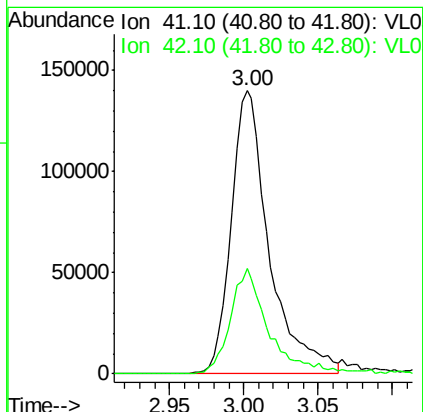
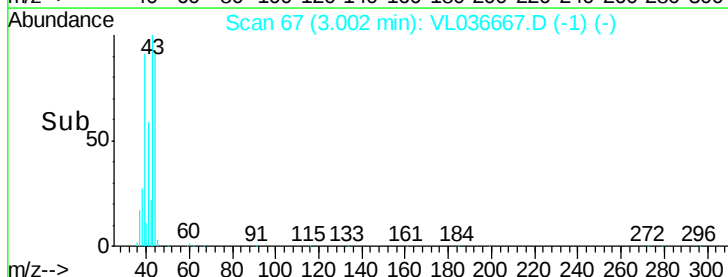
Ion 68.10 (67.80 to 68.80): VL0

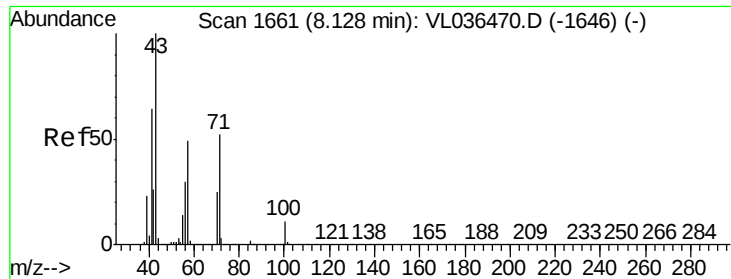
Ion 69.10 (68.80 to 69.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





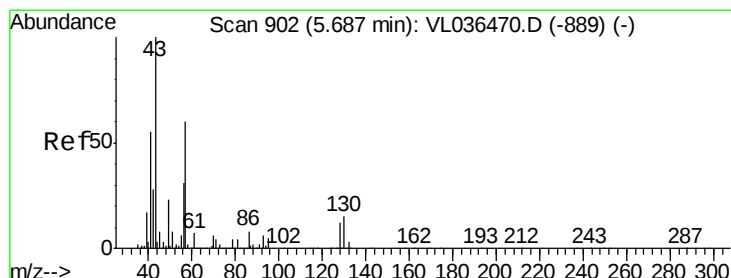
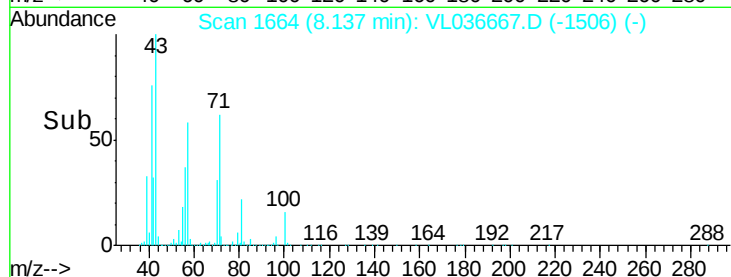
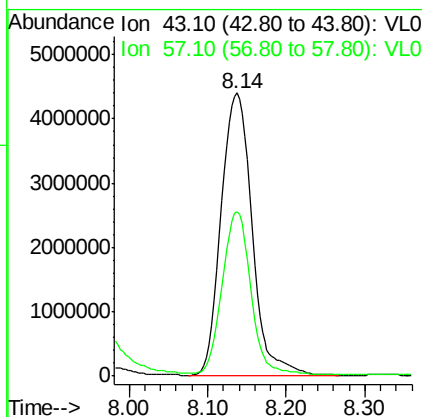
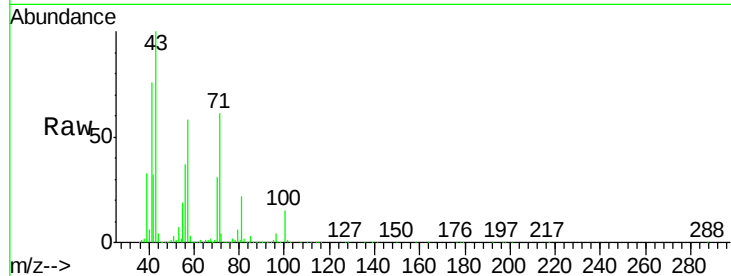
#10
Heptane
Concen: 66.977 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 43 Resp:11935385
Ion Ratio Lower Upper
43 100
57 54.1 39.0 58.6

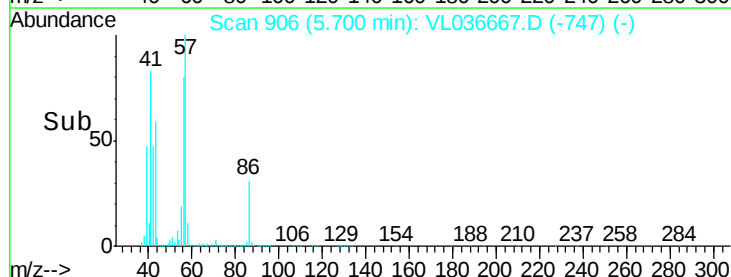
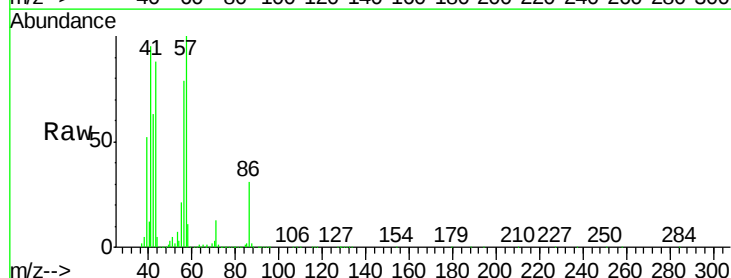
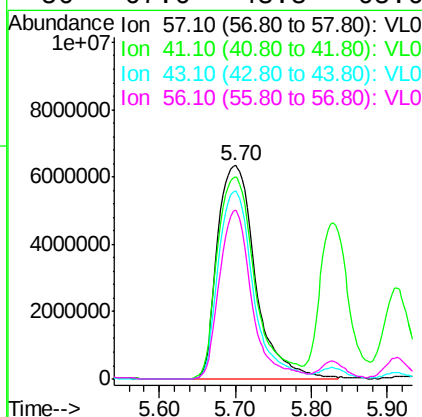
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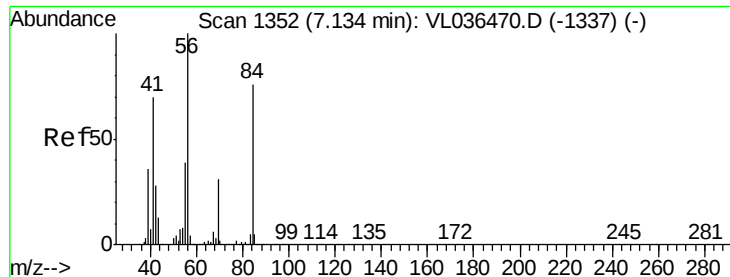
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#26
Hexane
Concen: 172.833 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Tgt Ion: 57 Resp:22040932
Ion Ratio Lower Upper
57 100
41 93.9 77.2 115.8
43 80.8 173.8 260.6#
56 67.6 43.8 65.6#





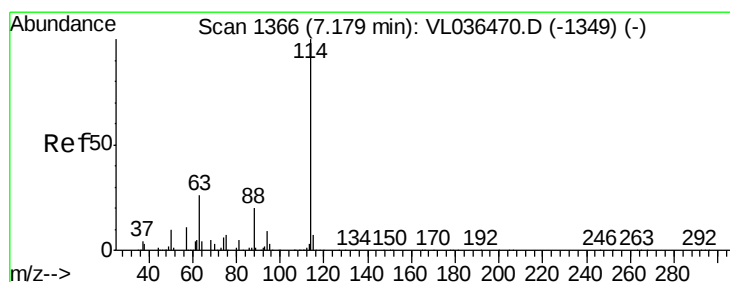
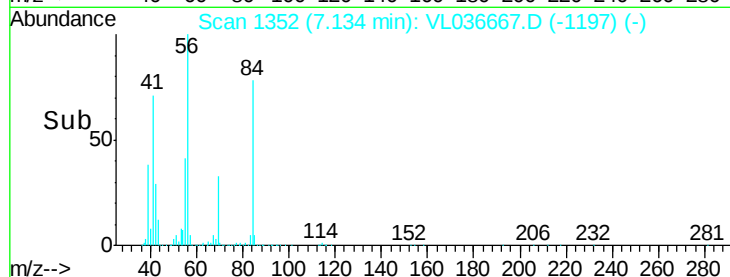
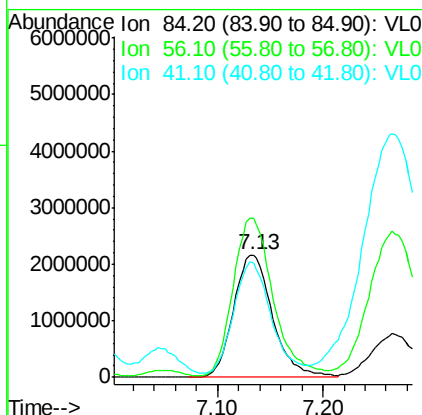
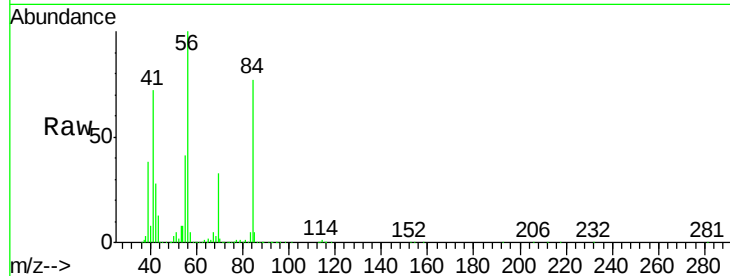
#30
Cvclohexane
Concen: 53.644 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
84	100		
56	132.2	114.6	171.8
41	85.8	75.3	112.9

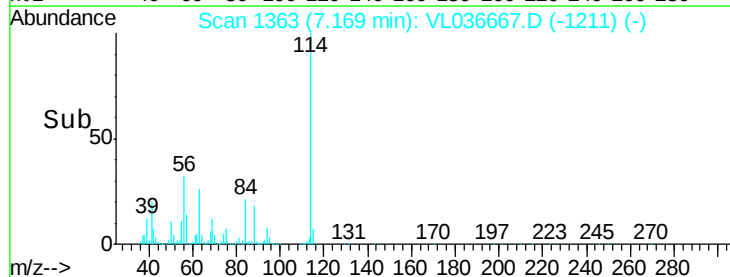
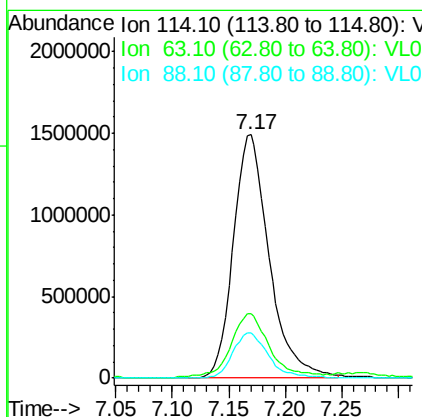
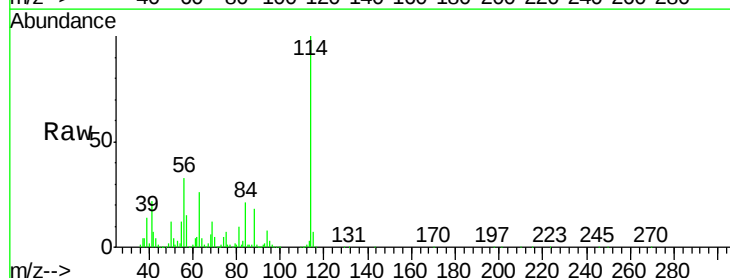
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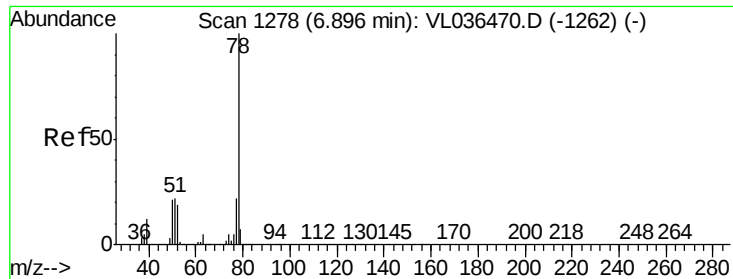
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.4	33.6
88	18.6	15.4	23.0





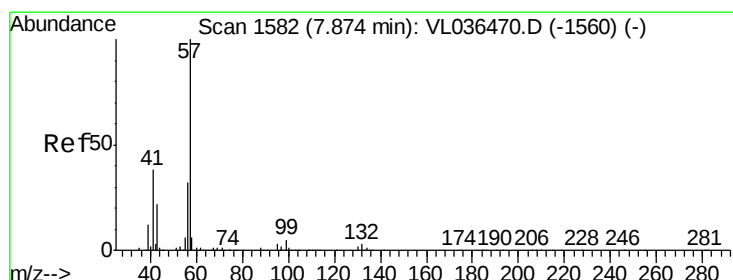
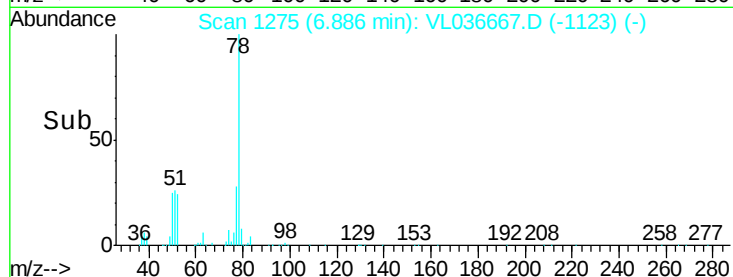
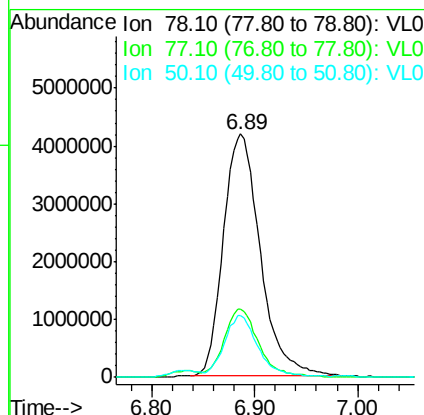
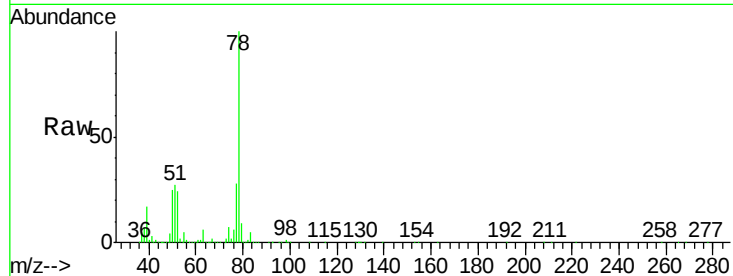
#36
Benzene
Concen: 34.268 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 78 Resp:10421047
Ion Ratio Lower Upper
78 100
77 28.2 18.0 27.0#
50 25.0 16.5 24.7#

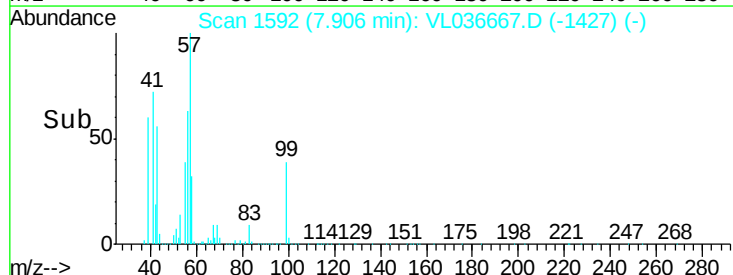
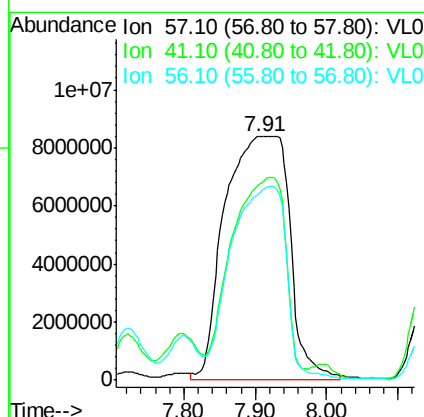
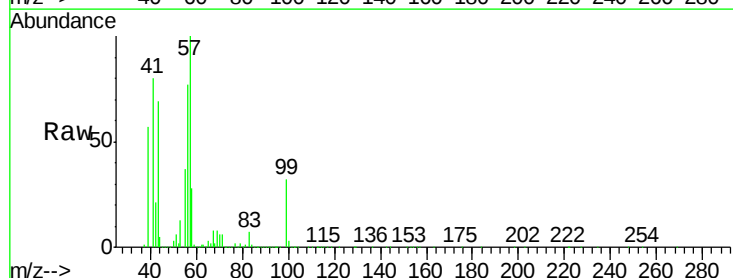
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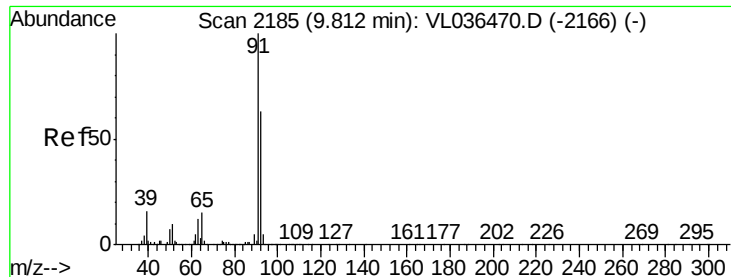
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#44
2,2,4-Trimethylpentane
Concen: 98.449 ppbv m
RT: 7.91 min Scan# 1592
Delta R.T. 0.03 min
Lab File: VL036667.D
Acq: 3 Apr 2021 5:15

Tgt Ion: 57 Resp:52692406
Ion Ratio Lower Upper
57 100
41 70.0 28.8 43.2#
56 68.3 26.1 39.1#





#53

Toluene

Concen: 0.236 ppbv m

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL036667.D

Acq: 3 Apr 2021 5:15

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 91 Resp: 76420

Ion Ratio Lower Upper

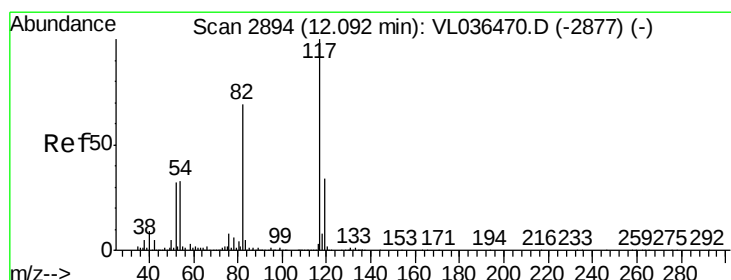
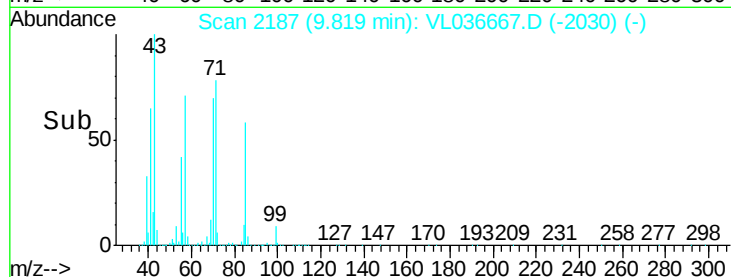
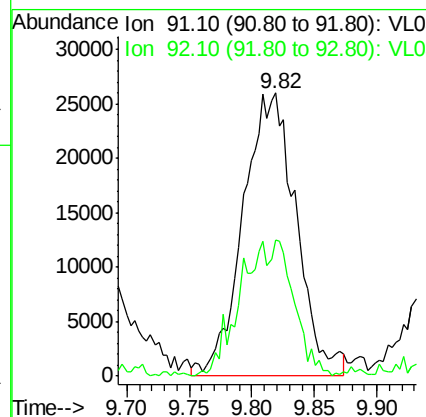
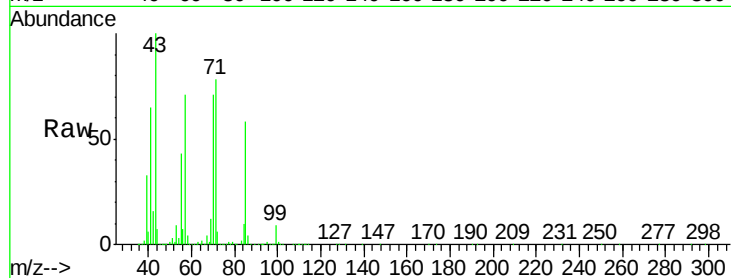
91 100

92 4.0 48.8 73.2#

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036667.D

Acq: 3 Apr 2021 5:15

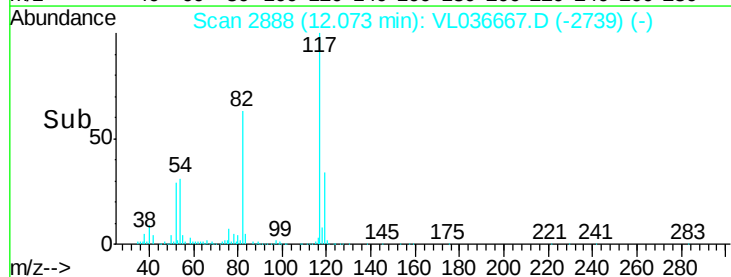
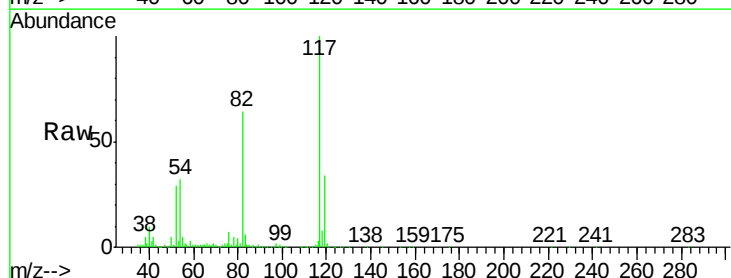
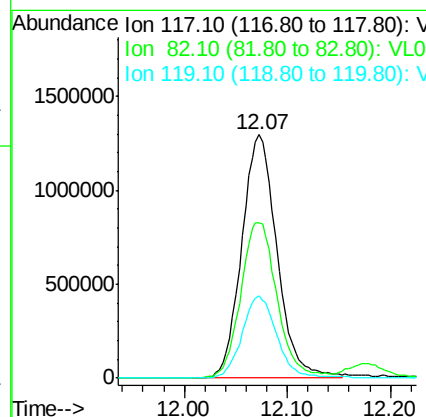
Tgt Ion: 117 Resp: 3083305

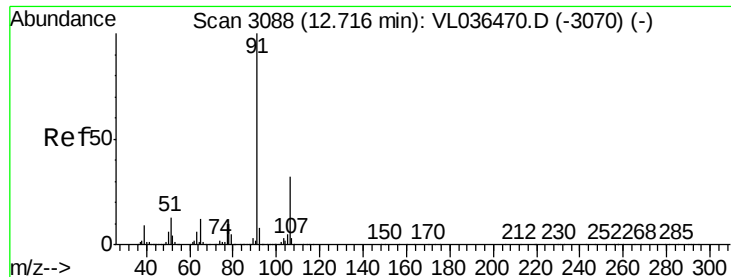
Ion Ratio Lower Upper

117 100

82 66.0 57.4 86.0

119 33.5 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.559 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VL036667.D

Acq: 3 Apr 2021 5:15

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 91 Resp: 250690

Ion Ratio Lower Upper

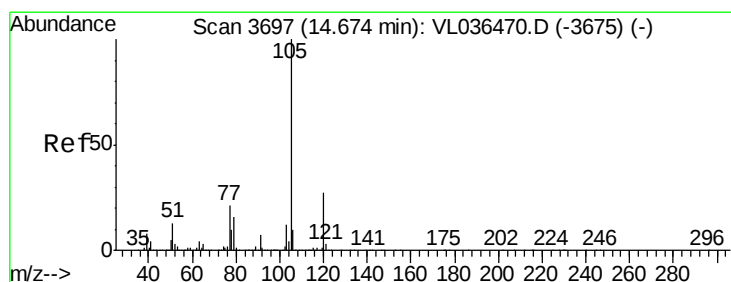
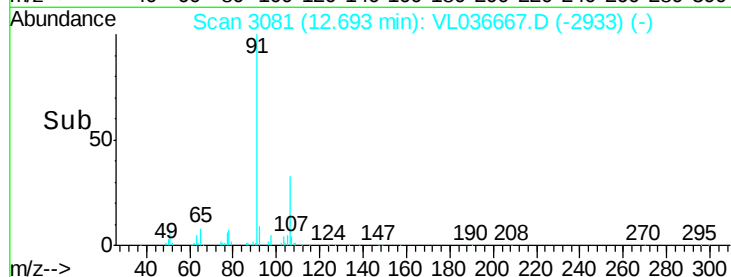
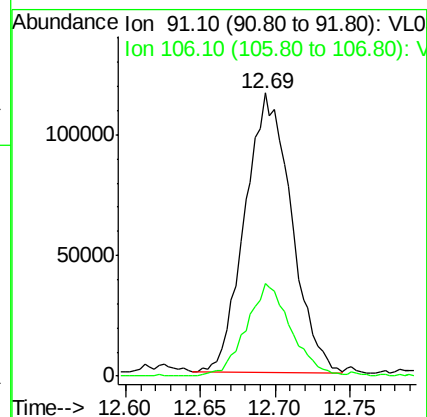
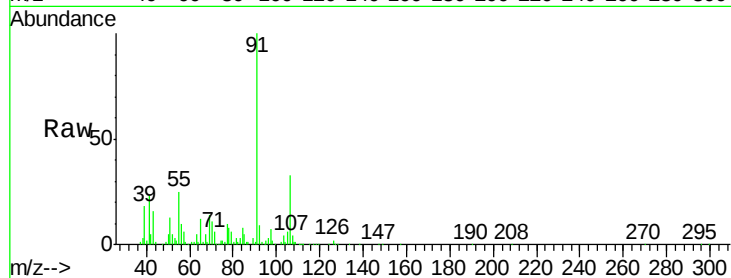
91 100

106 33.3 25.3 37.9

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.141 ppbv m

RT: 14.65 min Scan# 3689

Delta R.T. -0.03 min

Lab File: VL036667.D

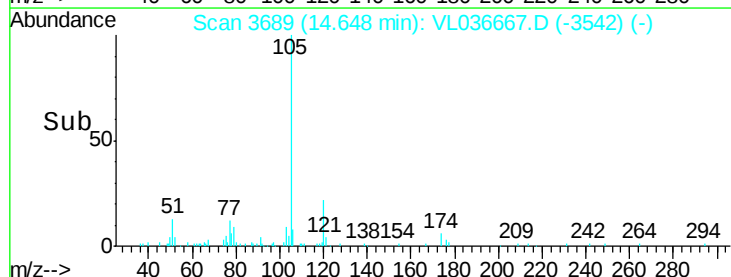
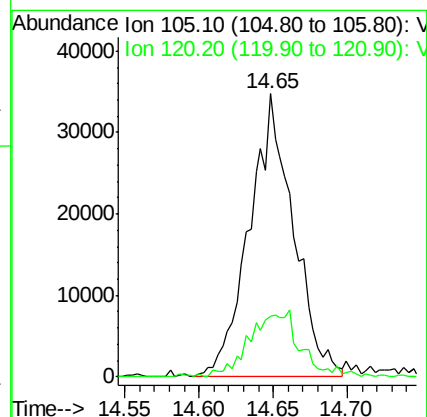
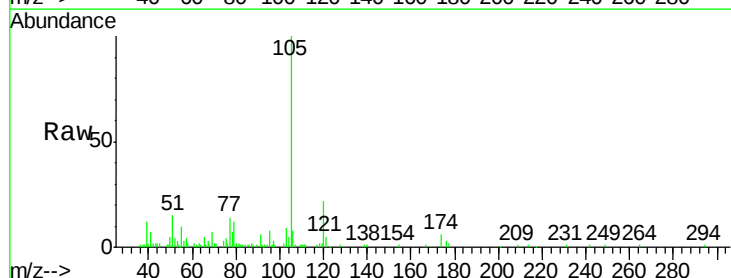
Acq: 3 Apr 2021 5:15

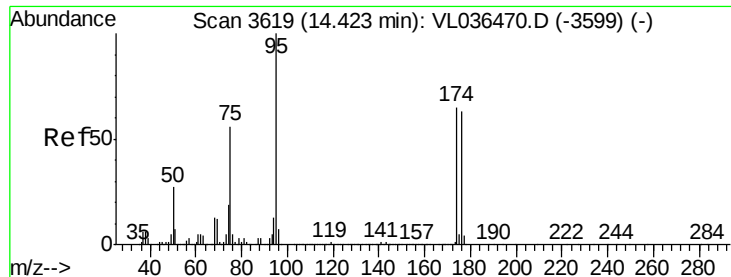
Tgt Ion: 105 Resp: 71639

Ion Ratio Lower Upper

105 100

120 27.0 20.6 31.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.576 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.03 min
 Lab File: VL036667.D
 Acq: 3 Apr 2021 5:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 95 Resp: 2353245
 Ion Ratio Lower Upper
 95 100
 174 73.0 51.0 76.6
 175 5.7 3.9 5.9

Manual Integrations
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