

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
 Data File : VL036284.D  
 Acq On : 28 Jan 2021 23:09  
 Operator : SY/AP  
 Sample : M1245-02DL 40X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-2DL

Manual Integrations  
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 2/1/2021 1:52:40 PM

Quant Time: Jan 29 03:21:52 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 16:13:38 2021  
 QLast Update : Thu Jan 14 16:13:38 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1632689  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3437006  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3189828  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2715875  | 10.29    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.90% |

| Target Compounds       | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|------------------------|-------|------|----------|---------|-------|--------|
| 9) Propene             | 3.00  | 41   | 13215m   | 0.138   | ppbv  |        |
| 13) Ethanol            | 3.61  | 45   | 2089441  | 139.356 | ppbv  | 87     |
| 15) Acetone            | 3.84  | 43   | 3283625  | 16.422  | ppbv  | 99     |
| 17) tert-Butyl alcohol | 4.30  | 59   | 2301378  | 13.947  | ppbv  | 100    |
| 20) Methylene Chloride | 4.34  | 84   | 38466m   | 0.603   | ppbv  |        |
| 26) Hexane             | 5.67  | 57   | 53541m   | 0.320   | ppbv  |        |
| 38) Trichloroethene    | 7.83  | 130  | 44201m   | 0.379   | ppbv  |        |
| 53) Toluene            | 9.79  | 91   | 161126m  | 0.457   | ppbv  |        |
| 59) m/p-Xylene         | 12.95 | 91   | 61064m   | 0.150   | ppbv  |        |

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

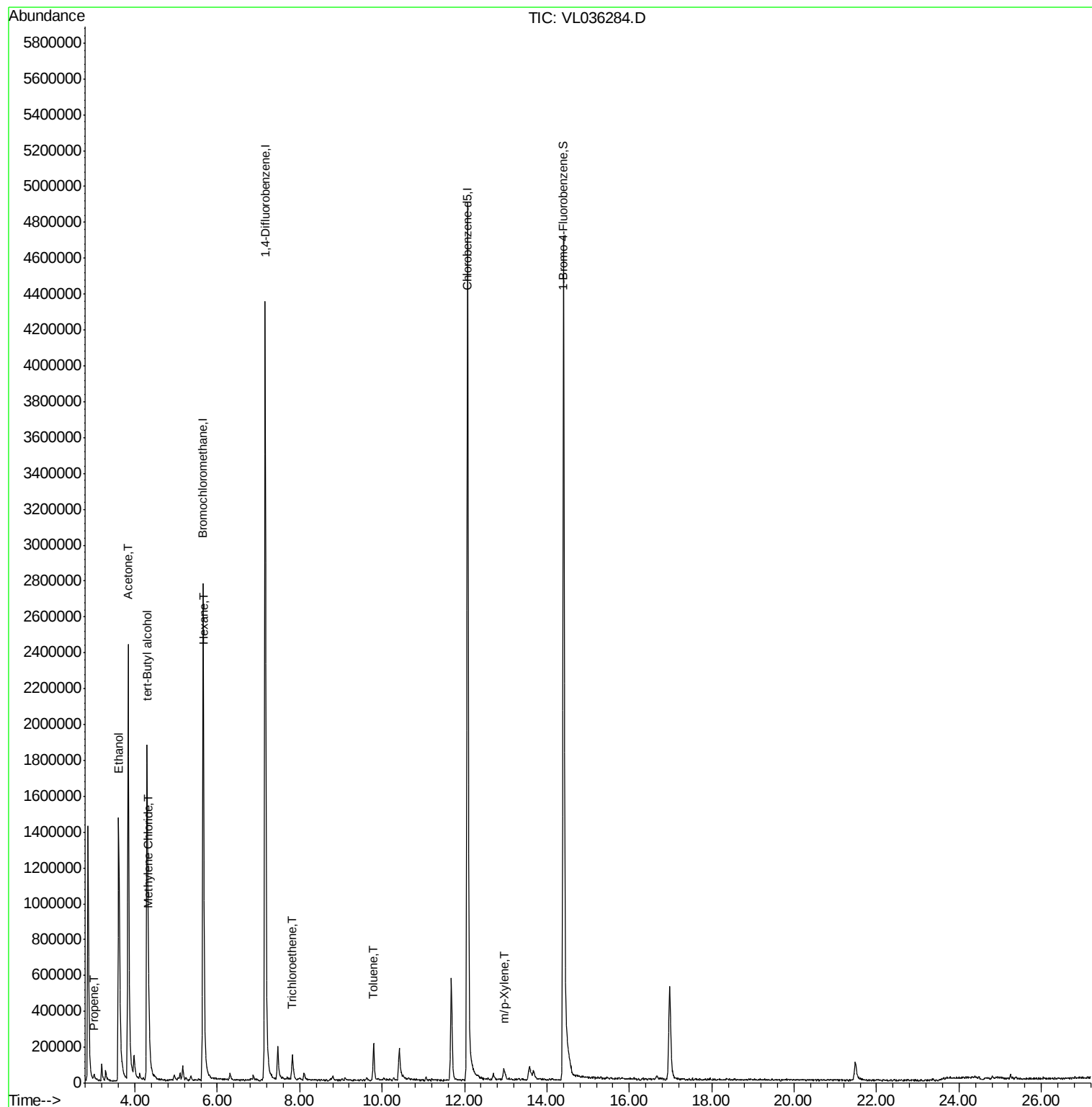
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
Data File : VL036284.D  
Acq On : 28 Jan 2021 23:09  
Operator : SY/AP  
Sample : M1245-02DL 40X  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

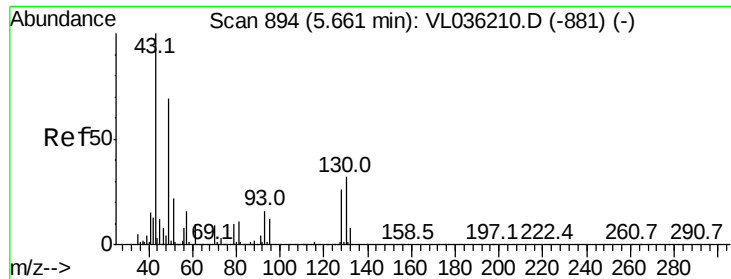
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2DL

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Quant Time: Jan 29 03:21:52 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan  
QLast Update : Thu Jan 14 16:13:38 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL036284.D

Acq: 28 Jan 2021 23:09

Instrument :

MSVOA\_L

ClientSampled :

SS-2DL

Tot Ion: 49 Resp: 1632689

Ion Ratio Lower Upper

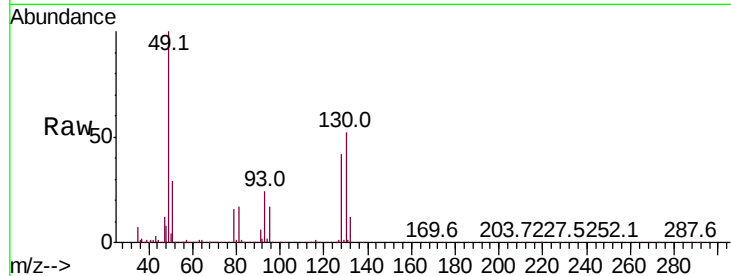
49 100

128 40.9 20.1 60.2

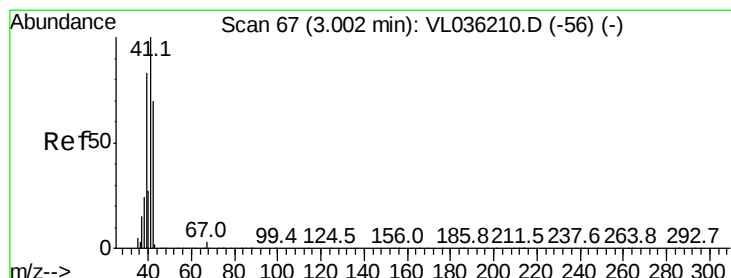
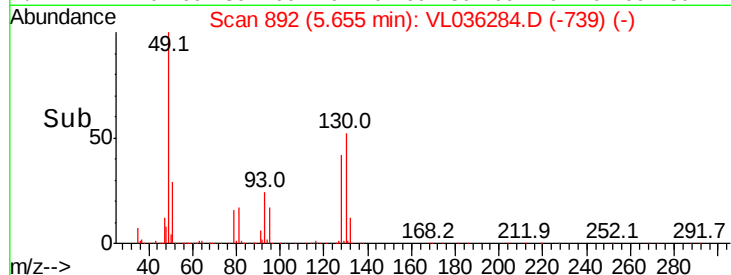
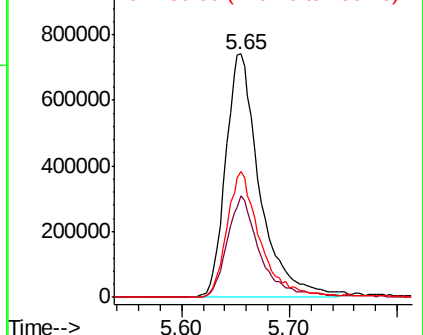
130 51.8 25.3 75.9

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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: 0.138 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL036284.D

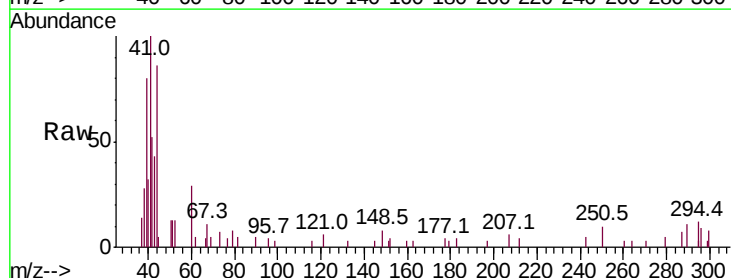
Acq: 28 Jan 2021 23:09

Tgt Ion: 41 Resp: 13215

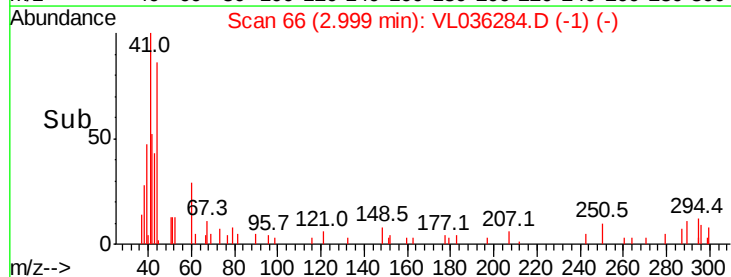
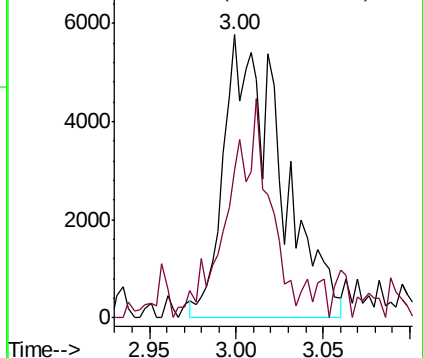
Ion Ratio Lower Upper

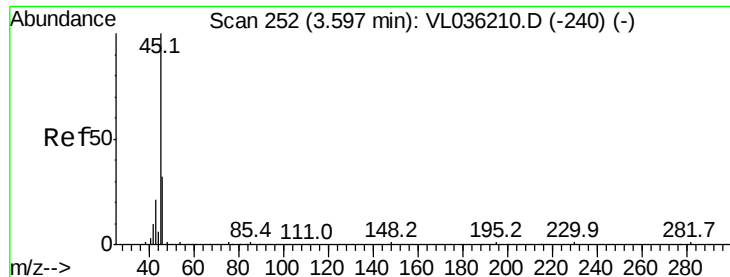
41 100

42 19.0 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 139.356 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL036284.D

Acq: 28 Jan 2021 23:09

Instrument :

MSVOA\_L

ClientSampleId :

SS-2DL

Tot Ion: 45 Resp: 2089441

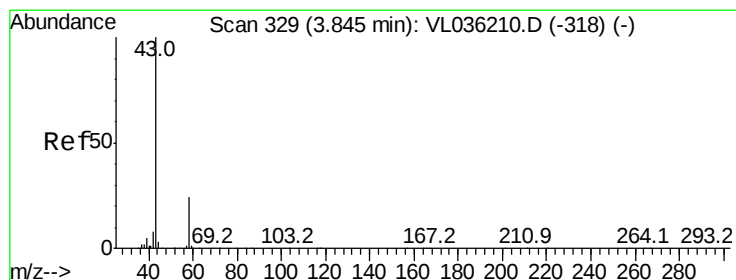
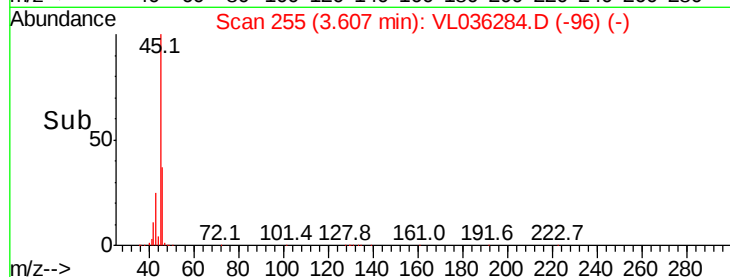
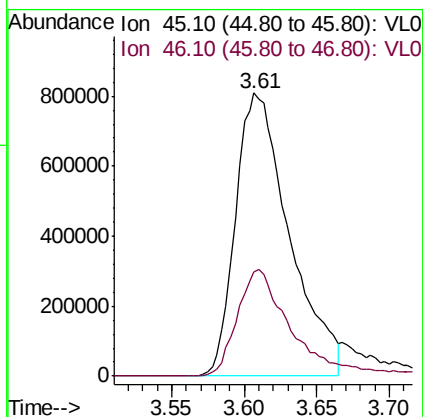
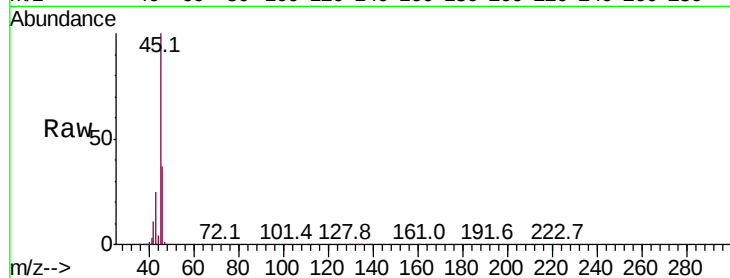
Ion Ratio Lower Upper

45 100

46 39.1 19.2 77.0

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#15

Acetone

Concen: 16.422 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL036284.D

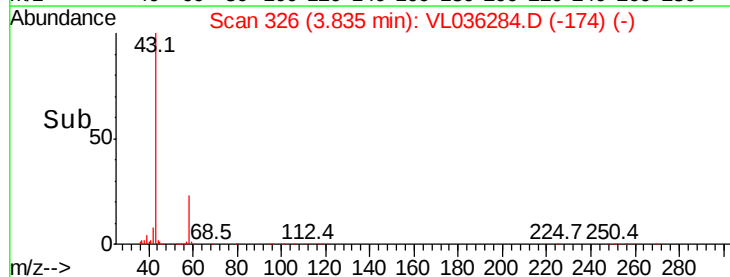
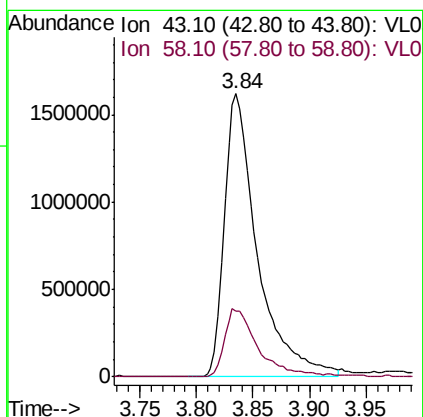
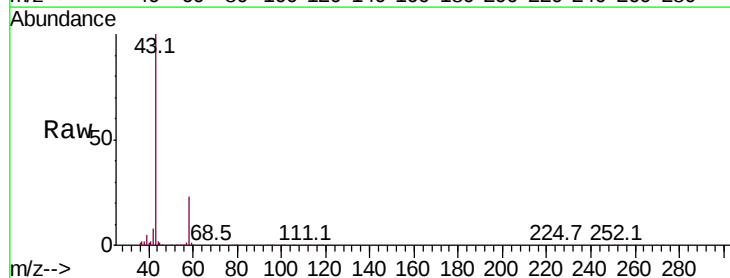
Acq: 28 Jan 2021 23:09

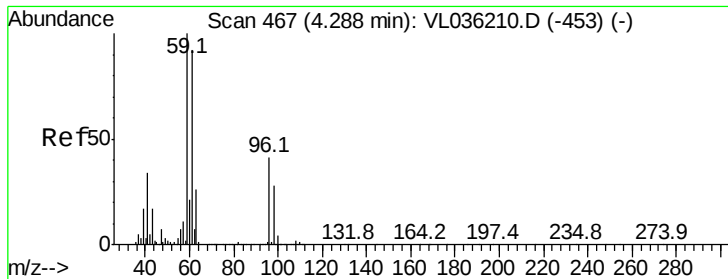
Tgt Ion: 43 Resp: 3283625

Ion Ratio Lower Upper

43 100

58 25.6 20.9 31.3





#17

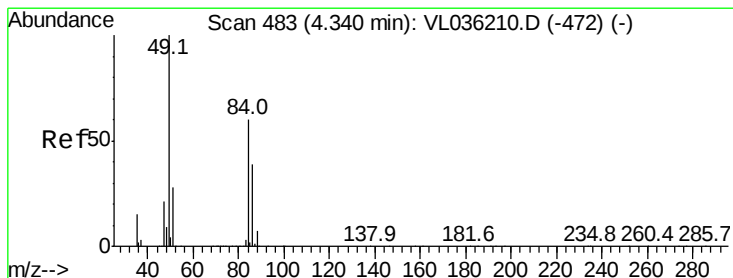
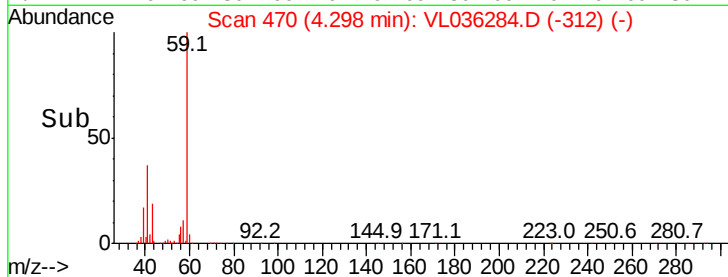
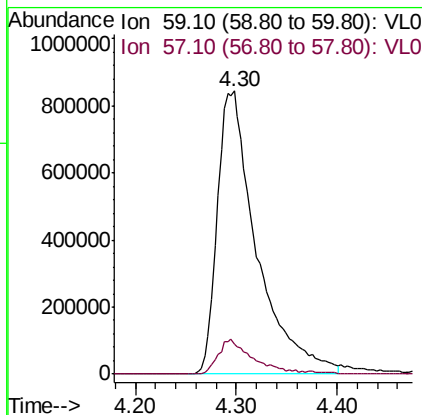
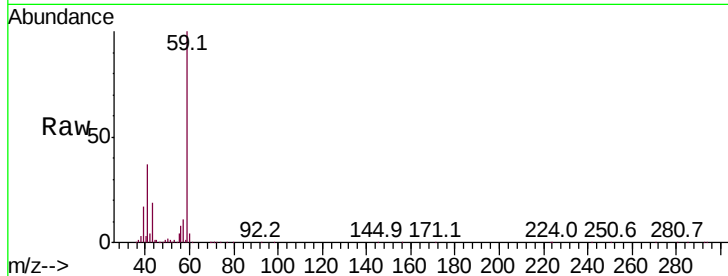
tert-Butyl alcohol  
 Concen: 13.947 ppbv  
 RT: 4.30 min Scan# 470  
 Delta R.T. 0.01 min  
 Lab File: VL036284.D  
 Acq: 28 Jan 2021 23:09

Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 SS-2DL

Tot Ion: 59 Resp: 2301378  
 Ion Ratio Lower Upper  
 59 100  
 57 11.7 9.2 13.8

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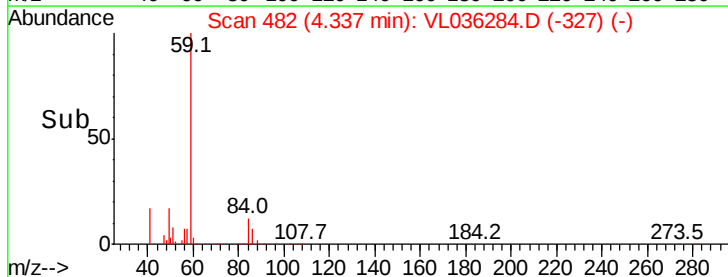
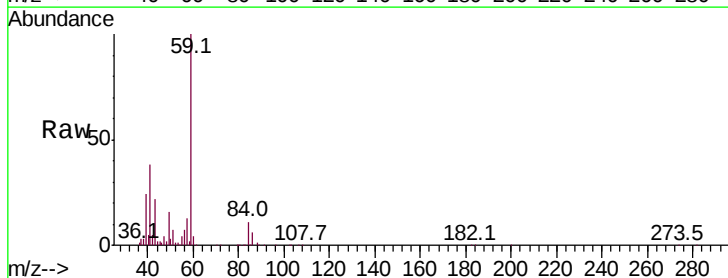
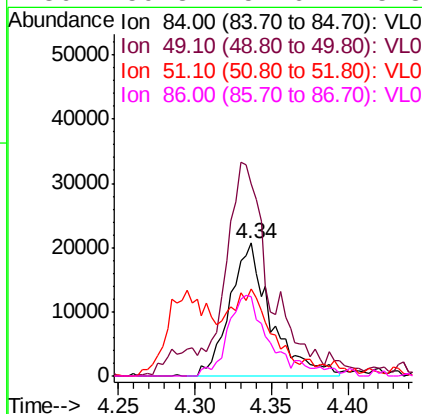
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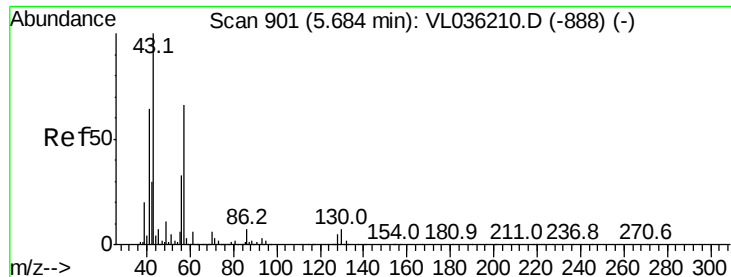


#20

Methylene Chloride  
 Concen: 0.603 ppbv m  
 RT: 4.34 min Scan# 482  
 Delta R.T. -0.00 min  
 Lab File: VL036284.D  
 Acq: 28 Jan 2021 23:09

Tgt Ion: 84 Resp: 38466  
 Ion Ratio Lower Upper  
 84 100  
 49 144.5 134.1 201.1  
 51 65.0 37.4 56.0#  
 86 59.3 52.6 78.8





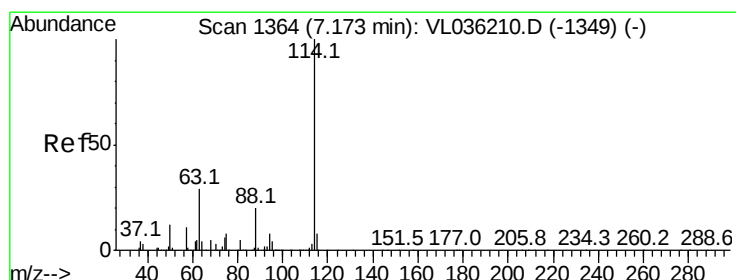
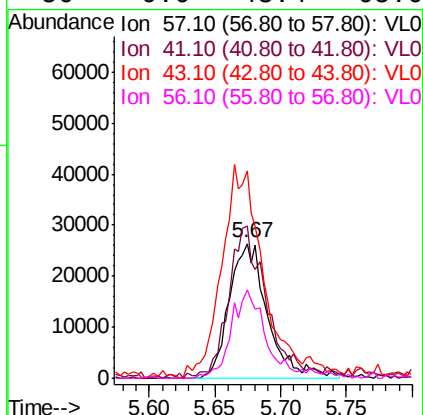
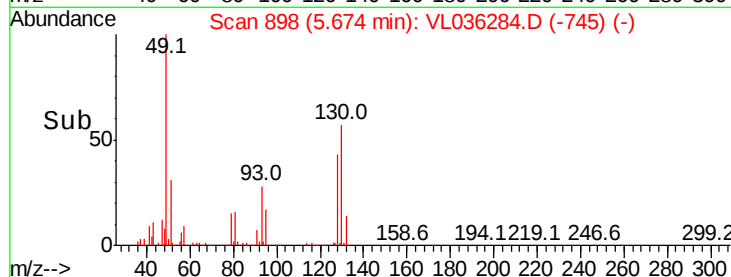
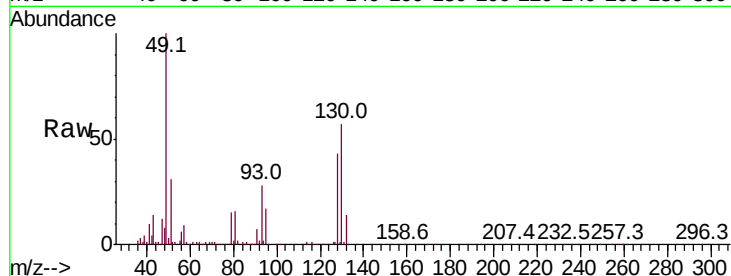
#26  
Hexane  
Concen: 0.320 ppbv m  
RT: 5.67 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: VL036284.D  
Acq: 28 Jan 2021 23:09

Instrument :  
MSVOA\_L  
ClientSampled :  
SS-2DL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 57      | 100   |       |        |
| 41      | 0.0   | 83.0  | 124.6# |
| 43      | 0.0   | 202.4 | 303.6# |
| 56      | 0.0   | 43.4  | 65.0#  |

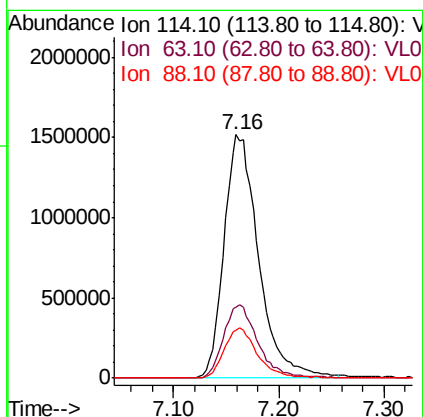
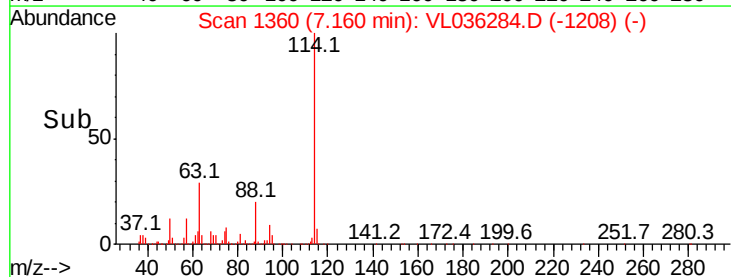
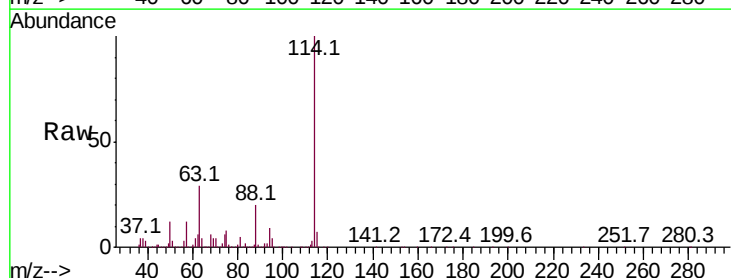
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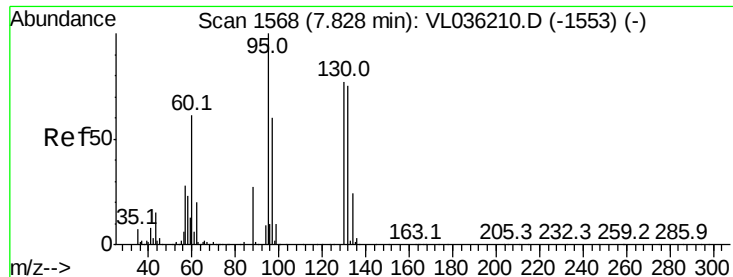
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: VL036284.D  
Acq: 28 Jan 2021 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 30.5  | 24.7  | 37.1  |
| 88      | 20.2  | 16.6  | 24.8  |





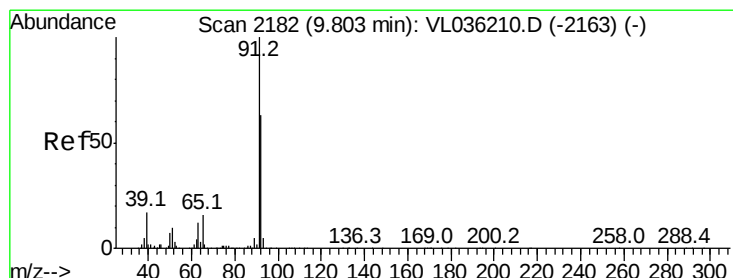
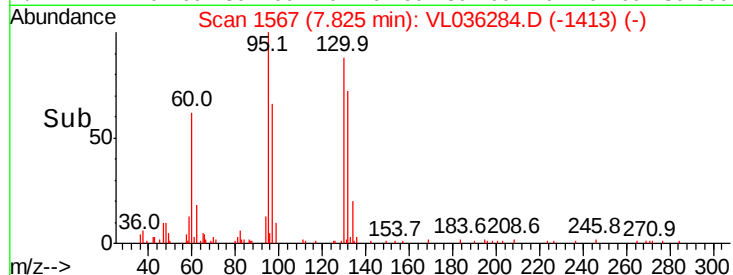
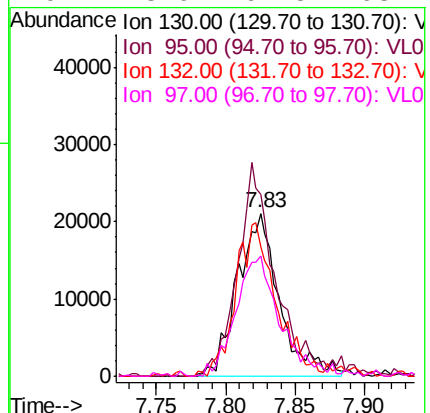
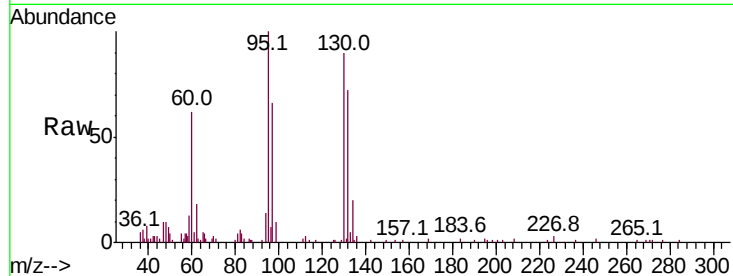
#38  
 Trichloroethene  
 Concen: 0.379 ppbv m  
 RT: 7.83 min Scan# 1567  
 Delta R.T. -0.00 min  
 Lab File: VL036284.D  
 Acq: 28 Jan 2021 23:09

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 111.2 | 103.9 | 155.9 |
| 132     | 79.7  | 77.4  | 116.2 |
| 97      | 73.9  | 62.5  | 93.7  |

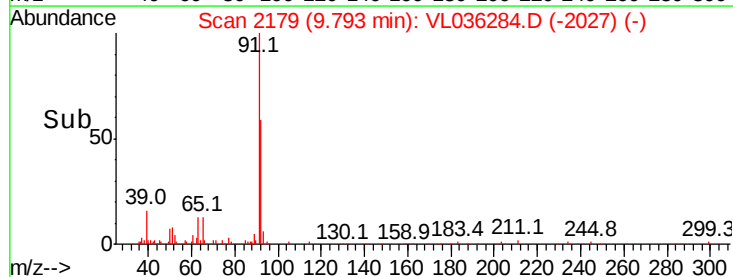
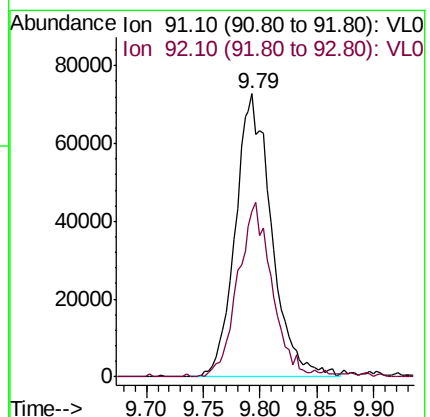
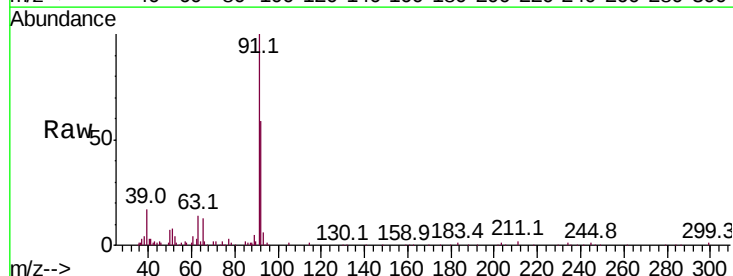
Manual Integrations  
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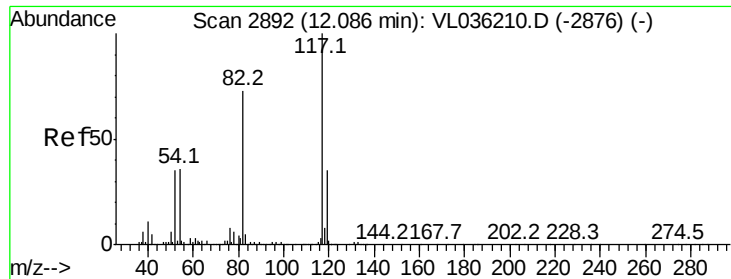
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#53  
 Toluene  
 Concen: 0.457 ppbv m  
 RT: 9.79 min Scan# 2179  
 Delta R.T. -0.01 min  
 Lab File: VL036284.D  
 Acq: 28 Jan 2021 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 0.0   | 48.5  | 72.7# |





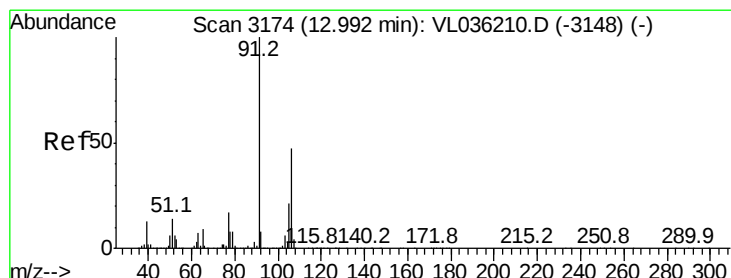
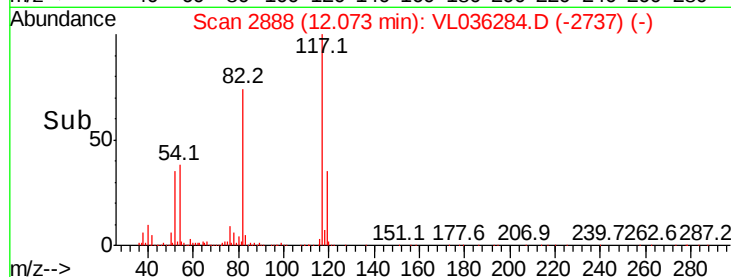
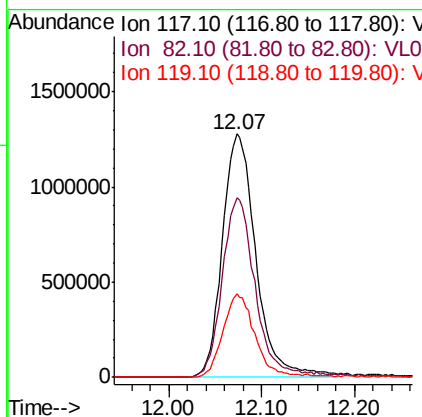
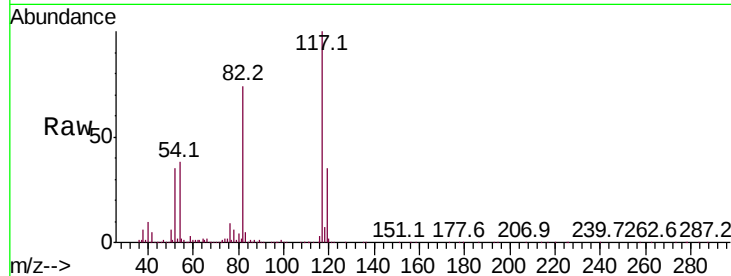
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.07 min Scan# 2888  
Delta R.T. -0.01 min  
Lab File: VL036284.D  
Acq: 28 Jan 2021 23:09

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 75.5  | 59.7  | 89.5  |
| 119     | 33.6  | 28.6  | 43.0  |

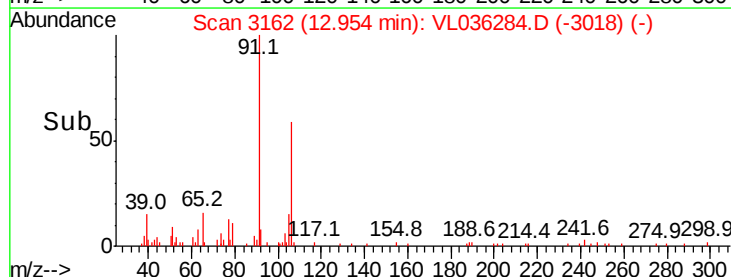
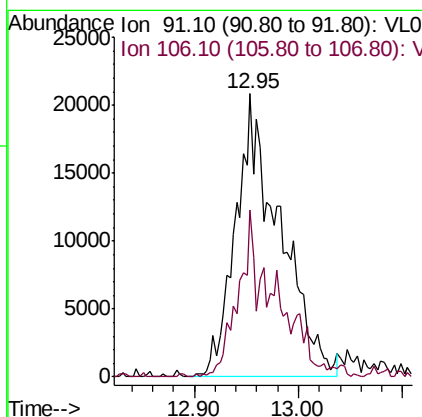
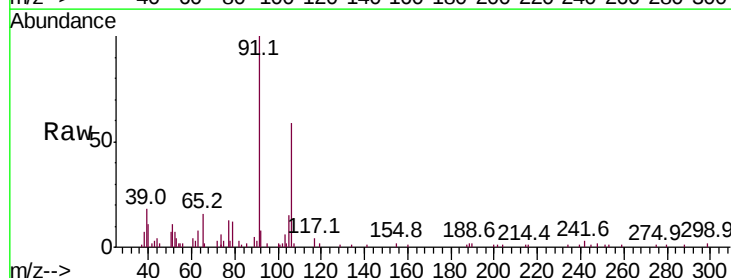
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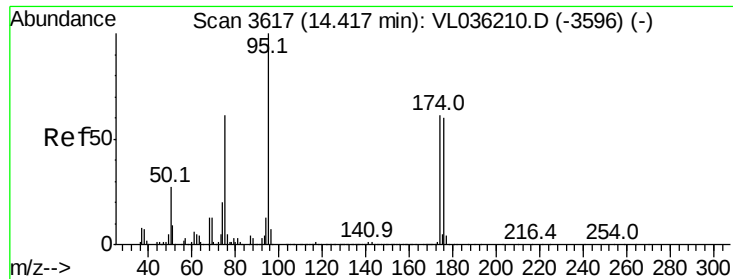
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#59  
m/p-Xylene  
Concen: 0.150 ppbv m  
RT: 12.95 min Scan# 3162  
Delta R.T. -0.04 min  
Lab File: VL036284.D  
Acq: 28 Jan 2021 23:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 27.4  | 34.6  | 51.8# |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.286 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL036284.D

Acq: 28 Jan 2021 23:09

Instrument :

MSVOA\_L

ClientSampleId :

SS-2DL

Tot Ion: 95 Resp: 2715875

Ion Ratio Lower Upper

95 100

174 61.3 49.4 74.0

175 4.3 3.8 5.8

Manual Integrations  
APPROVED

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2/1/2021 1:52:40 PM

