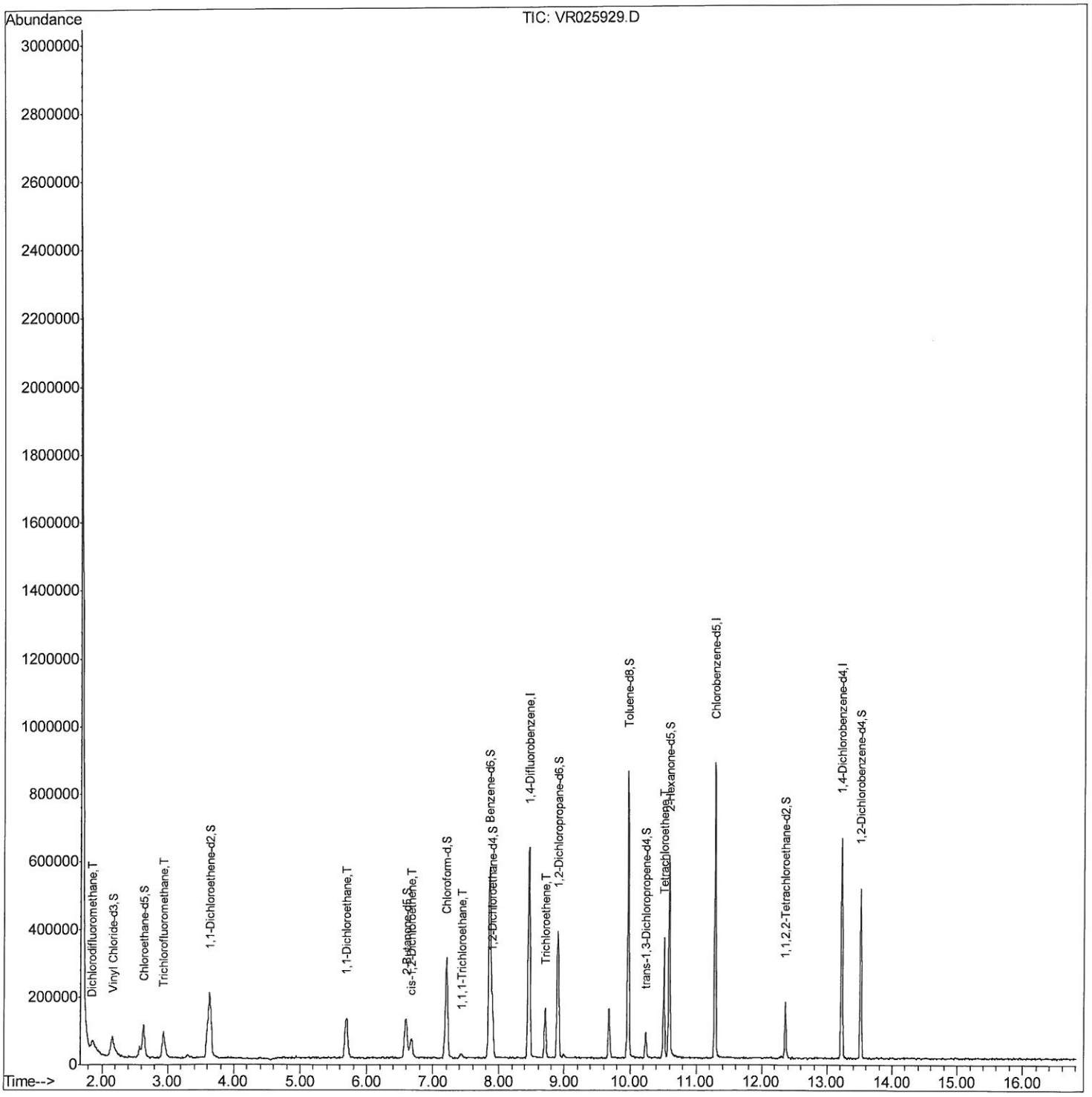
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR100218\
Data File : VR025929.D
Acq On : 2 Oct 2018 15:51
Operator : SY/MD
Sample : J5160-11
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 03 04:09:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_R
**ClientSampleId :**
GACB4

**Manual Integrations APPROVED**
MMDadoda
10/4/2018 2:46:35 PM



Quantitation Report (Qedit)

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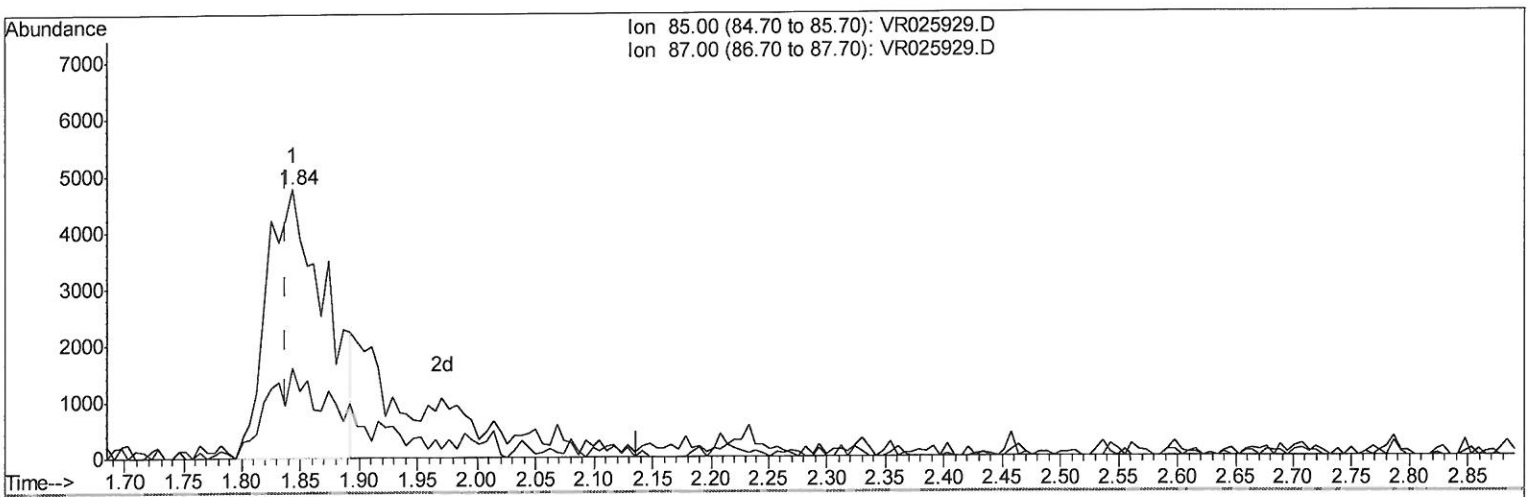


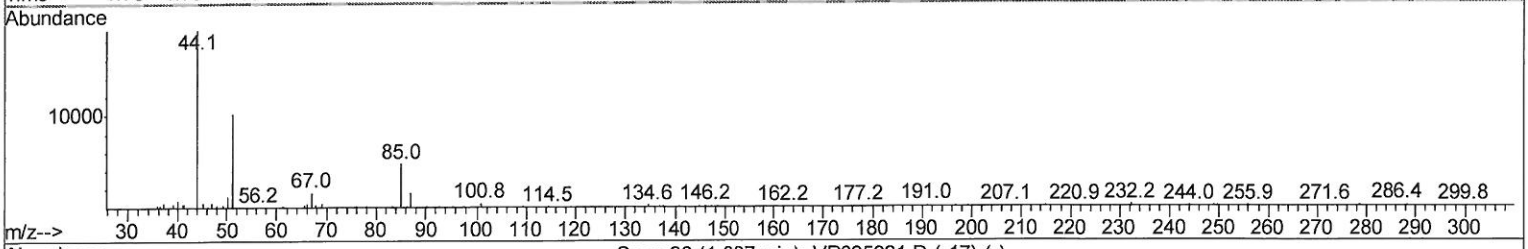


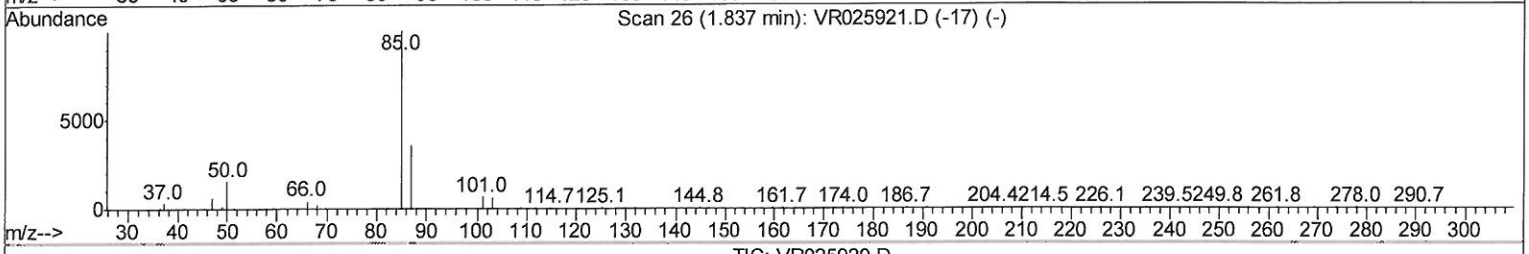


TIC: VR025929.D

(2) Dichlorodifluoromethane (T)

1.843min (+0.006) 0.64ug/L

response 16351

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100 | 100 |
| 87.00 | 31.40 | 4.77# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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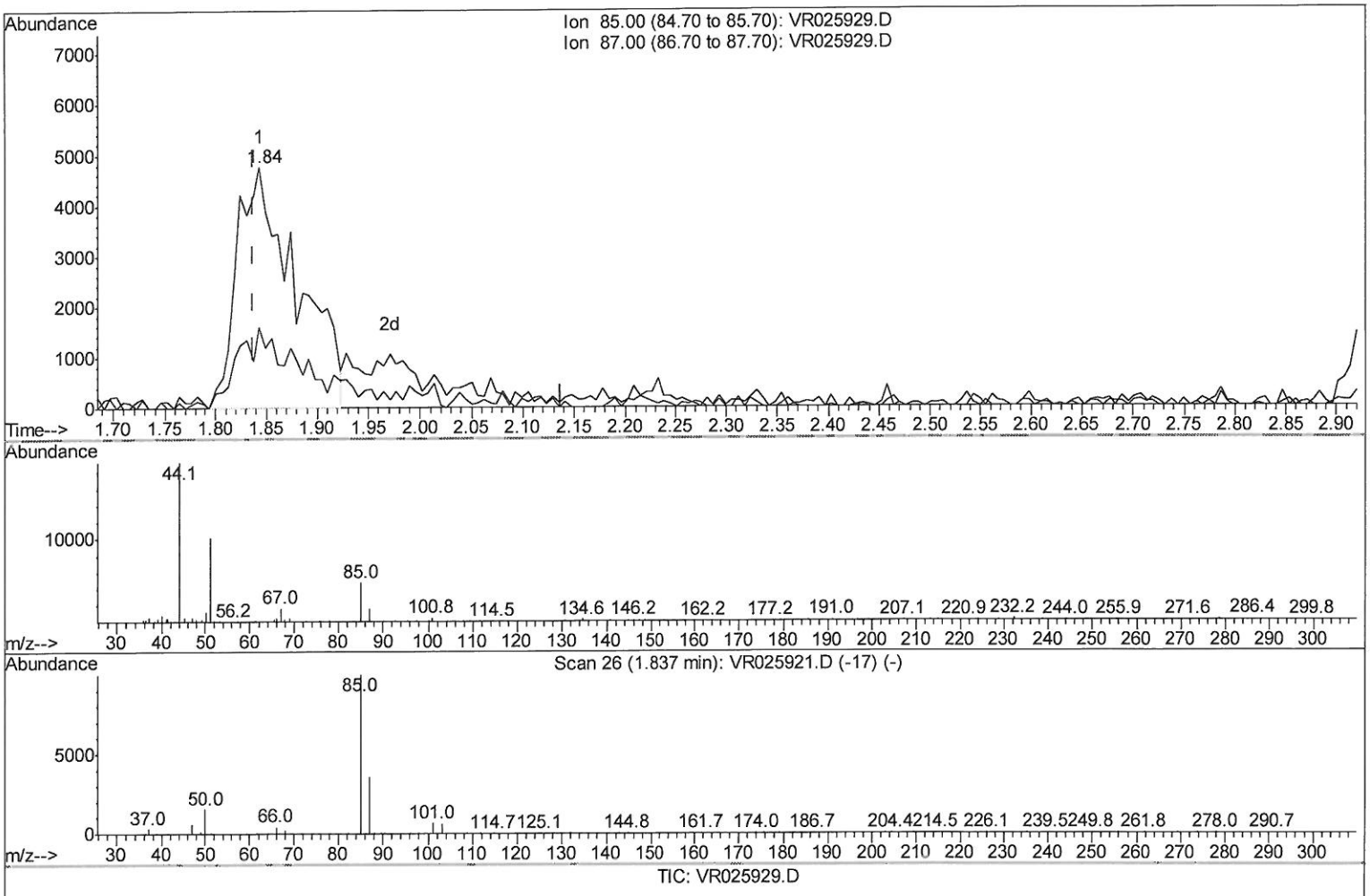
**Manual Integrations APPROVED**
MMDadoda
10/4/2018 2:46:35 PM




TIC: VR025929.D

(2) Dichlorodifluoromethane (T)

1.843min (+0.006) 0.76ug/L m 10/08/18 SY

response 19378

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100 | 100 |
| 87.00 | 31.40 | 4.03# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Response via : Initial Calibration

**Instrument :**
MSVOA_R
**ClientSampleId :**
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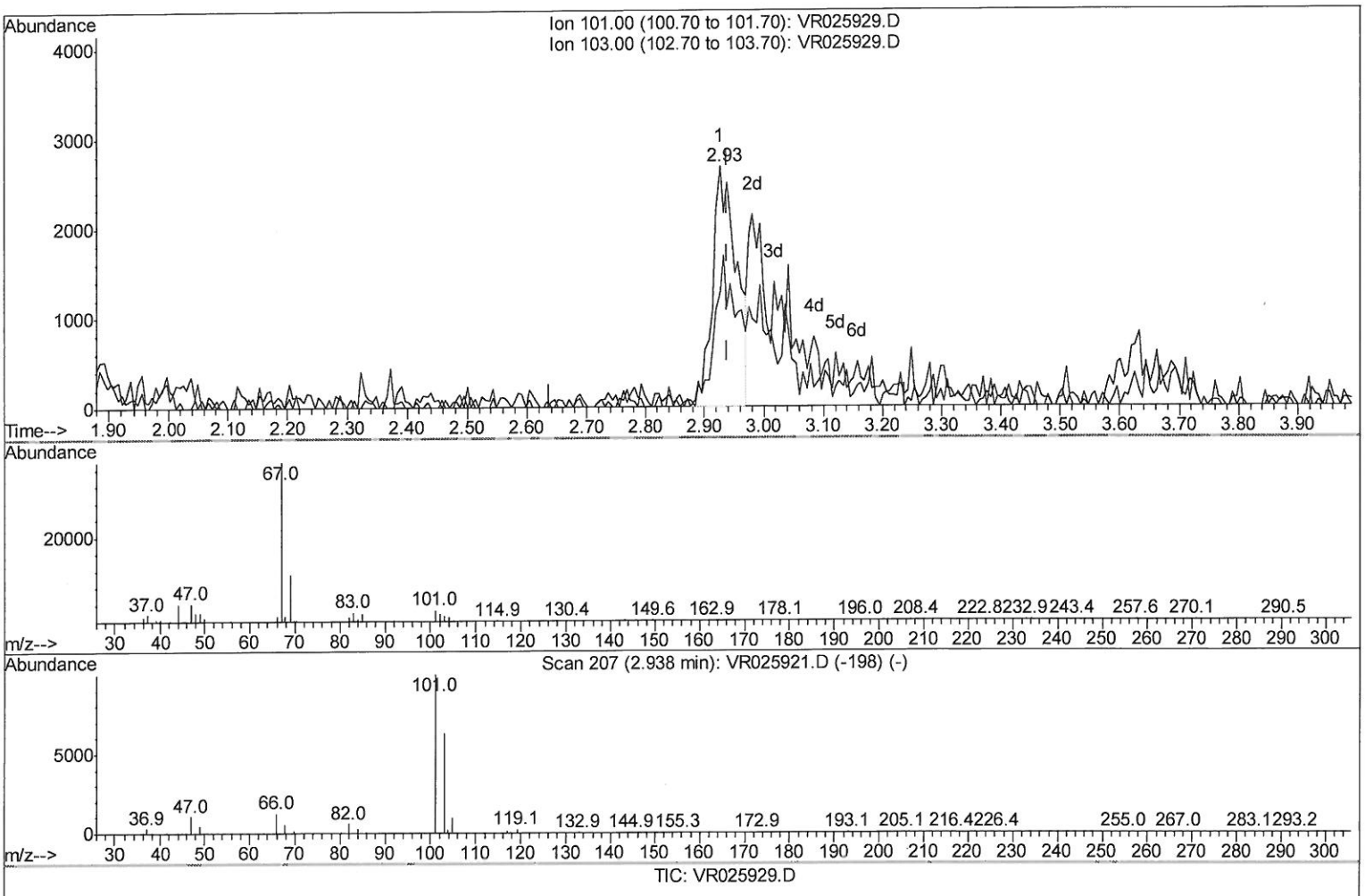
**Manual Integrations APPROVED**
MMDadoda
10/4/2018 2:46:35 PM




TIC: VR025929.D

(9) Trichlorofluoromethane (T)

2.926min (-0.012) 0.15ug/L

response 7395

| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 103.00 | 27.60 | 60.64# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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QLast Update : Wed Oct 03 02:53:45 2018
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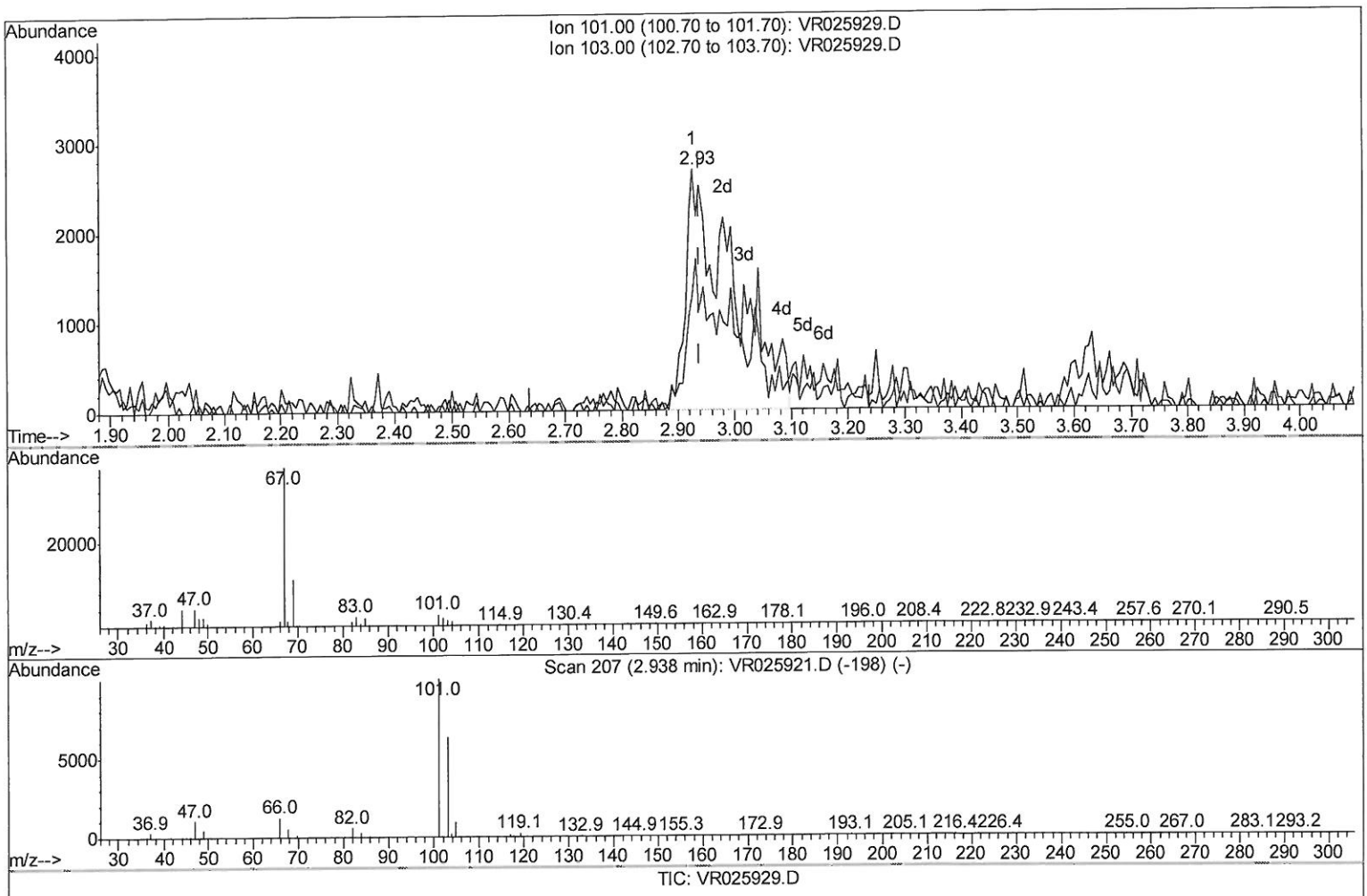
**Instrument :**
MSVOA_R
**ClientSampleId :**
GACB4

**Manual Integrations APPROVED**
MMDadoda
10/4/2018 2:46:35 PM




TIC: VR025929.D

(9) Trichlorofluoromethane (T)

2.926min (-0.012) 0.31ug/L m

response 15486

| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 103.00 | 27.60 | 28.96 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 422095 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 357509 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 119878 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.15 | 65 | 138669 | 4.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 83.40% | | | |
| 7) Chloroethane-d5 | 2.63 | 69 | 138836 | 5.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 102.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.63 | 63 | 259511 | 3.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 66.40% | | | |
| 20) 2-Butanone-d5 | 6.59 | 46 | 232270 | 62.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 125.18% | | | |
| 24) Chloroform-d | 7.20 | 84 | 272801 | 4.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 129275 | 5.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.80% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 525008 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 156320 | 4.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.60% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 460733 | 4.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 82.40% | | | |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 32902 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 90.40% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 168025 | 60.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 121.08% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 66077 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 101.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.51 | 152 | 93618 | 4.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 97.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.84 | 85 | 19378m | 0.755 | ug/L | |
| 9) Trichlorofluoromethane | 2.93 | 101 | 15486m | 0.307 | ug/L | |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 174406 | 3.343 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 28639 | 1.080 | ug/L # | 98 |
| 29) 1,1,1-Trichloroethane | 7.43 | 97 | 9176 | 0.228 | ug/L # | 92 |
| 34) Trichloroethene | 8.71 | 95 | 46244 | 1.464 | ug/L | 98 |
| 47) Tetrachloroethene | 10.51 | 164 | 57113 | 2.934 | ug/L | 93 |

10/08/18 hy

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