Quantitation Report (Qedit)

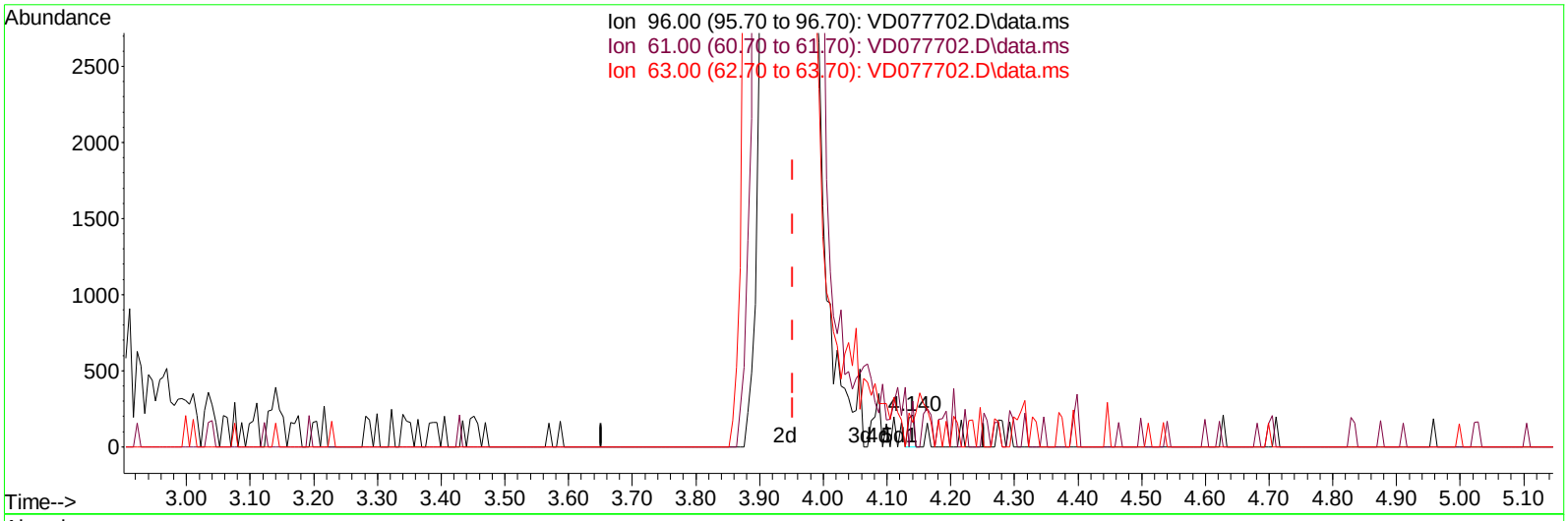
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

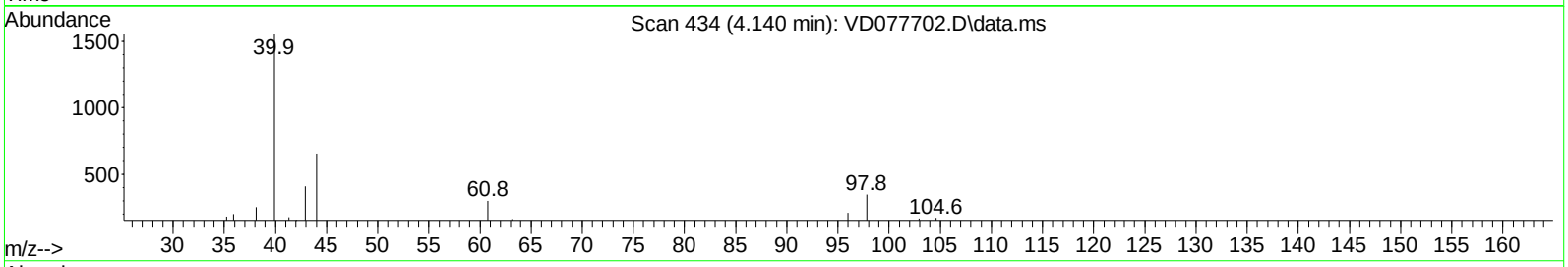
Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

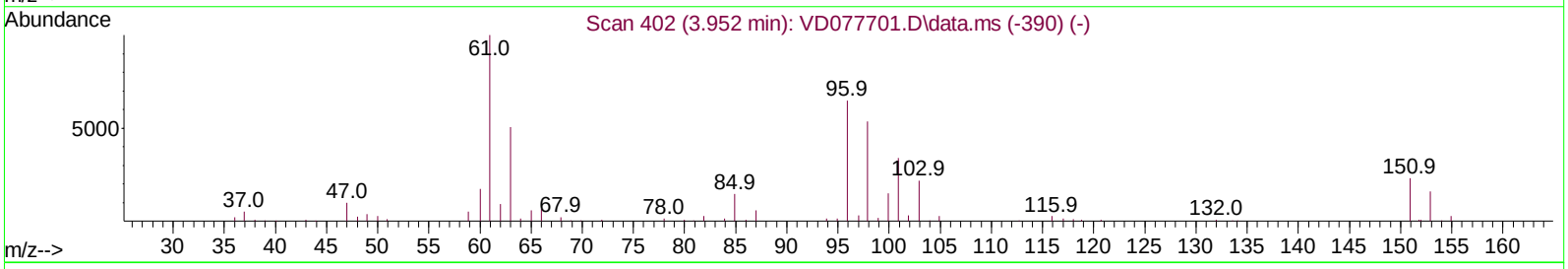
**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
Supervised By :Mahesh Dadoda 11/30/2023




TIC: VD077702.D\data.ms

**(12) 1,1-Dichloroethene (T)**

**4.140min (+ 0.188) 0.03 ug/L**

**response 140**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 155.10 | 143.54 |
| 63.00 | 86.10 | 77.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
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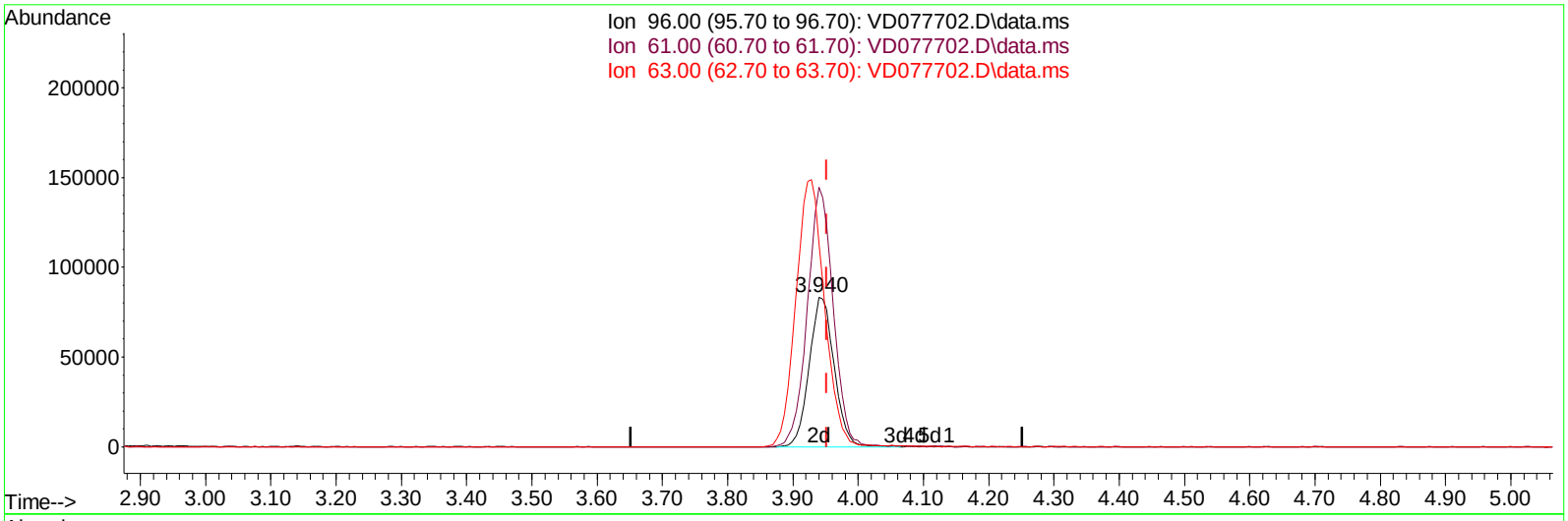


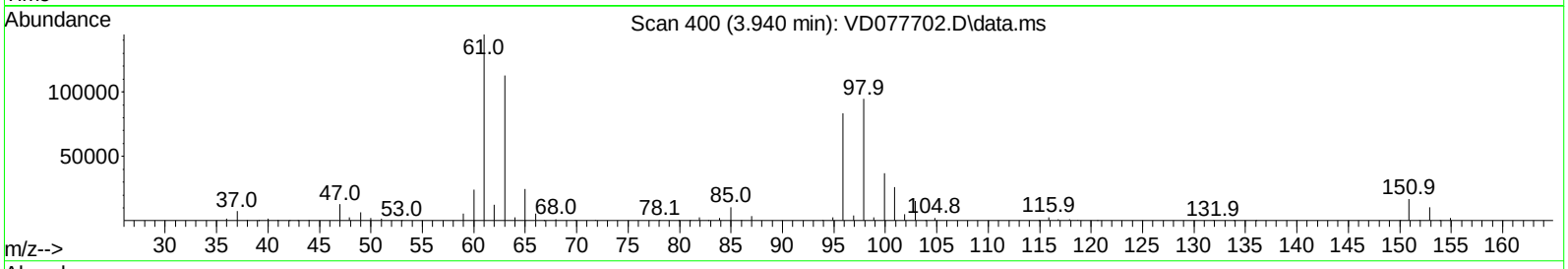


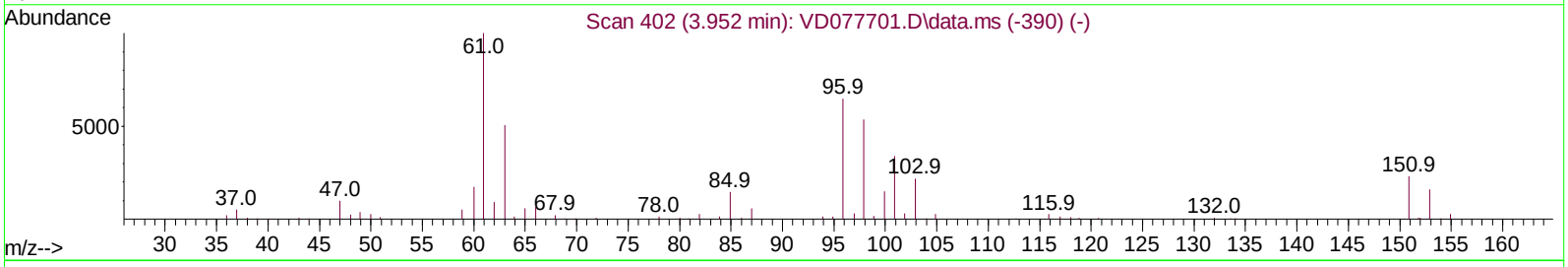


TIC: VD077702.D\data.ms

**(12) 1,1-Dichloroethene (T)**

**3.940min (-0.012) 50.65 ug/L m**

**response 222282**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 155.10 | 173.24 |
| 63.00 | 86.10 | 135.33# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
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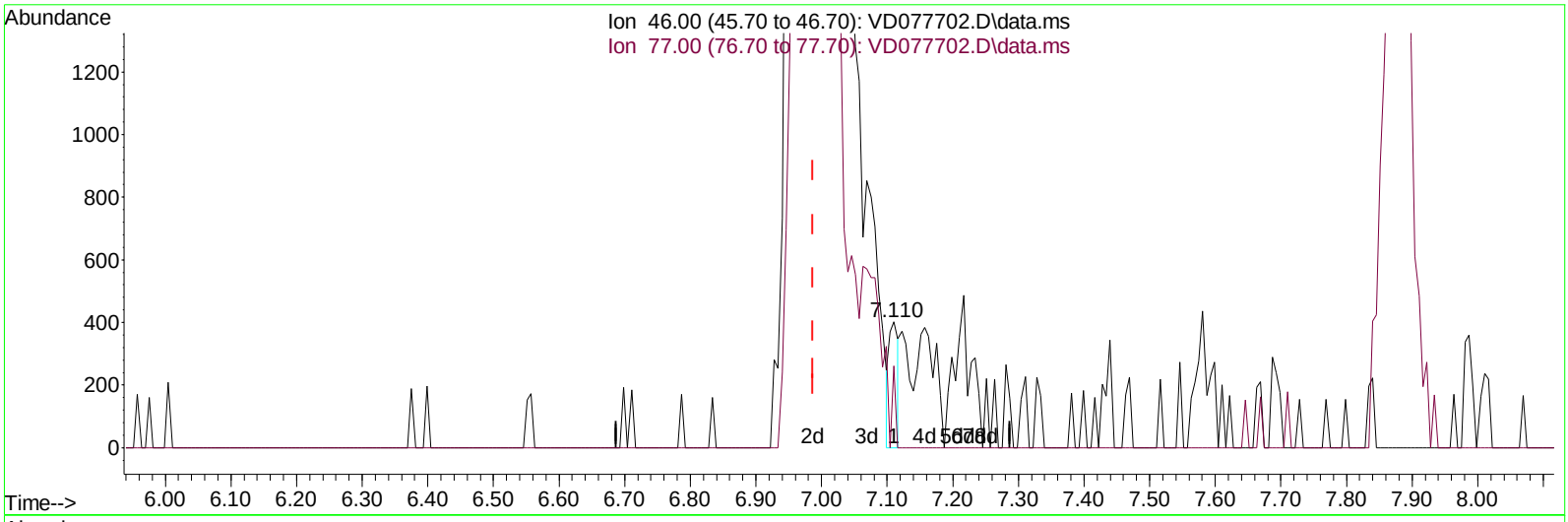
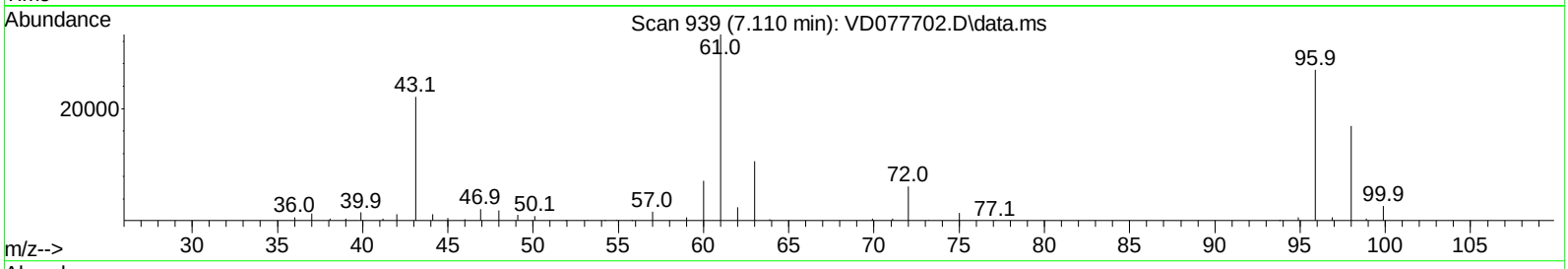
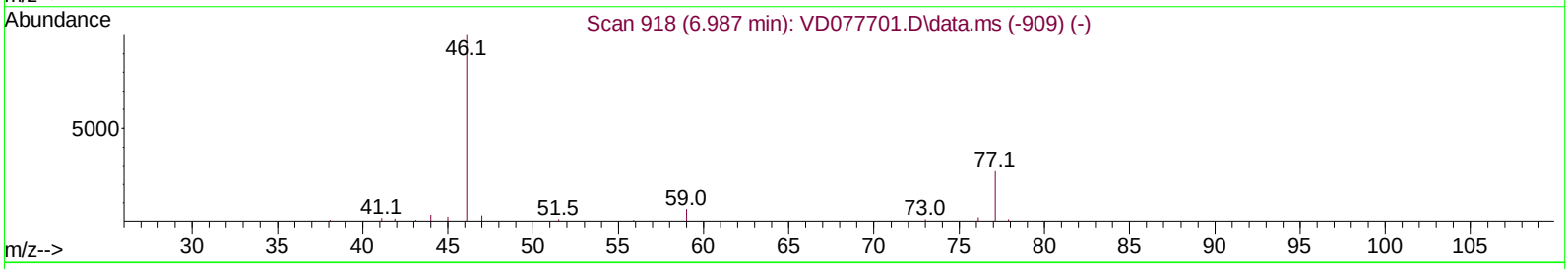



TIC: VD077702.D\data.ms

**(21) 2-Butanone-d5 (S)**

**7.110min (+ 0.123) 0.30 ug/L**

**response 395**

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.10 | 23.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

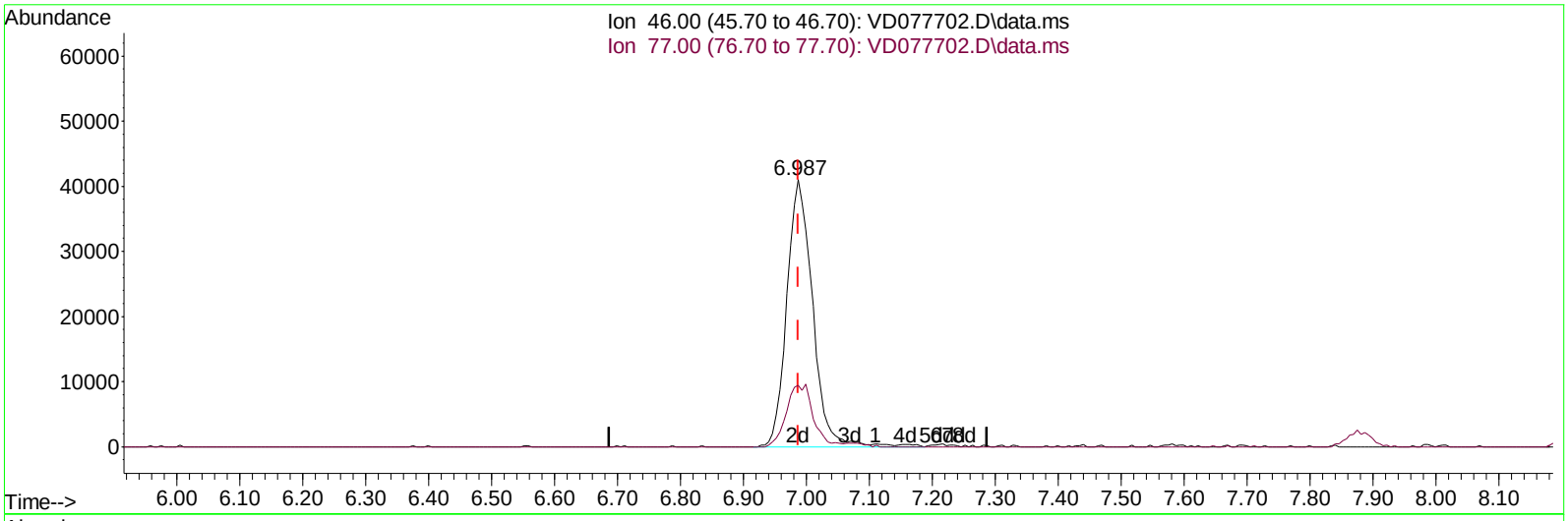
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

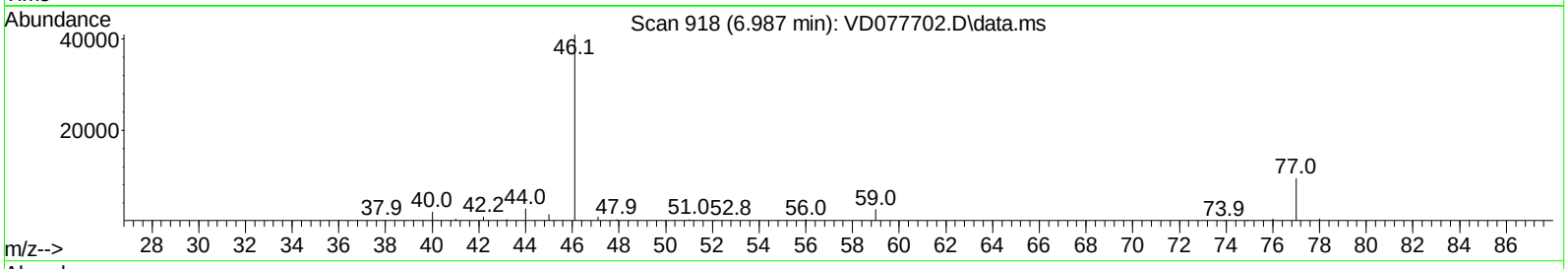
Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

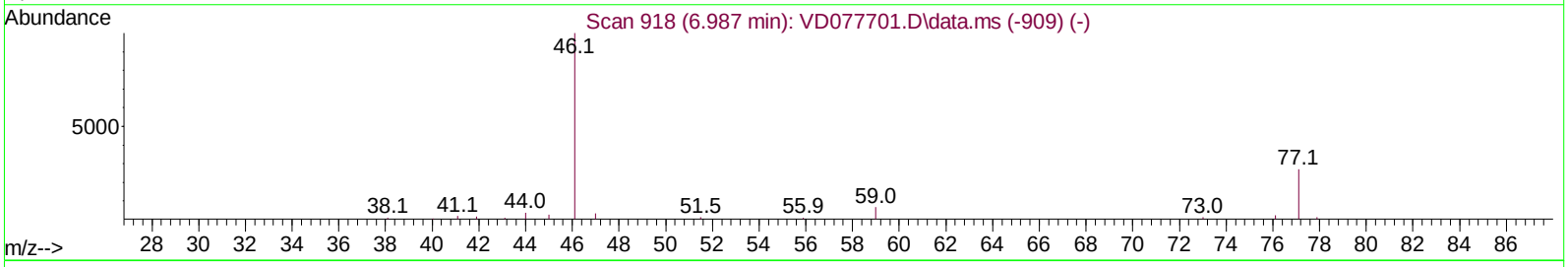
**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
Supervised By :Mahesh Dadoda 11/30/2023




TIC: VD077702.D\data.ms

**(21) 2-Butanone-d5 (S)**

**6.987min (-0.000) 89.48 ug/L m**

**response 116888**

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.10 | 0.08# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
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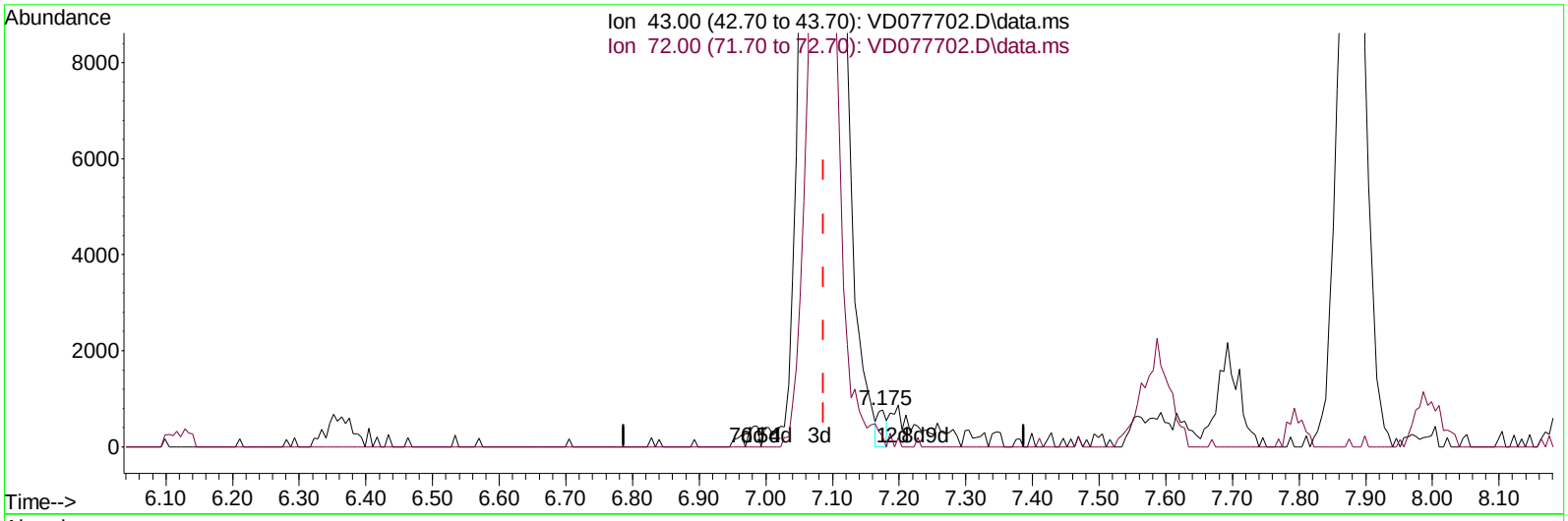
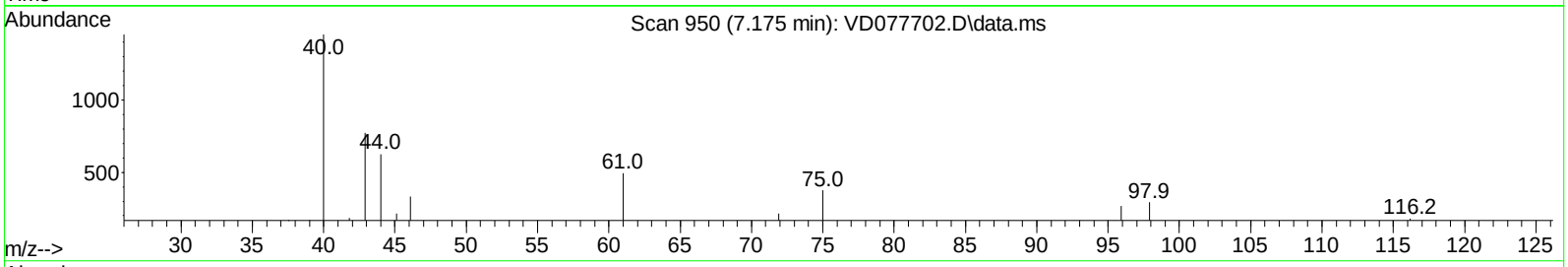
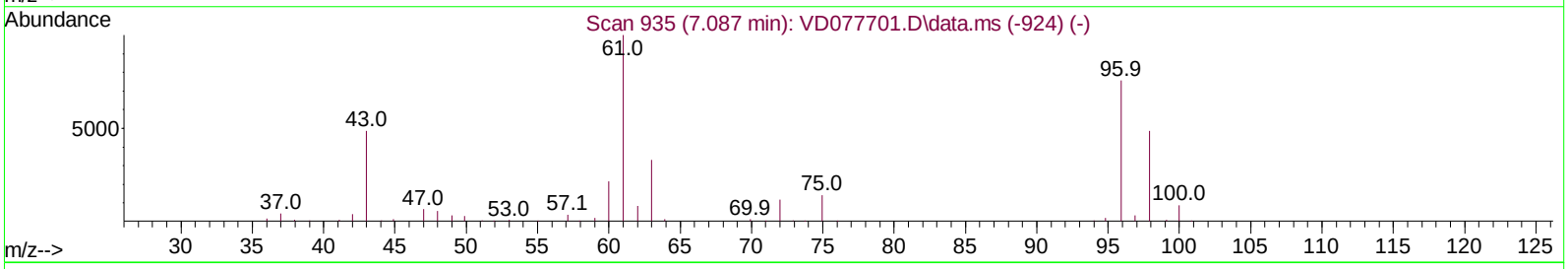



TIC: VD077702.D\data.ms

**(22) 2-Butanone (T)**

**7.175min (+ 0.088) 0.42 ug/L**

**response 720**

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 14.40 | 13.89 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

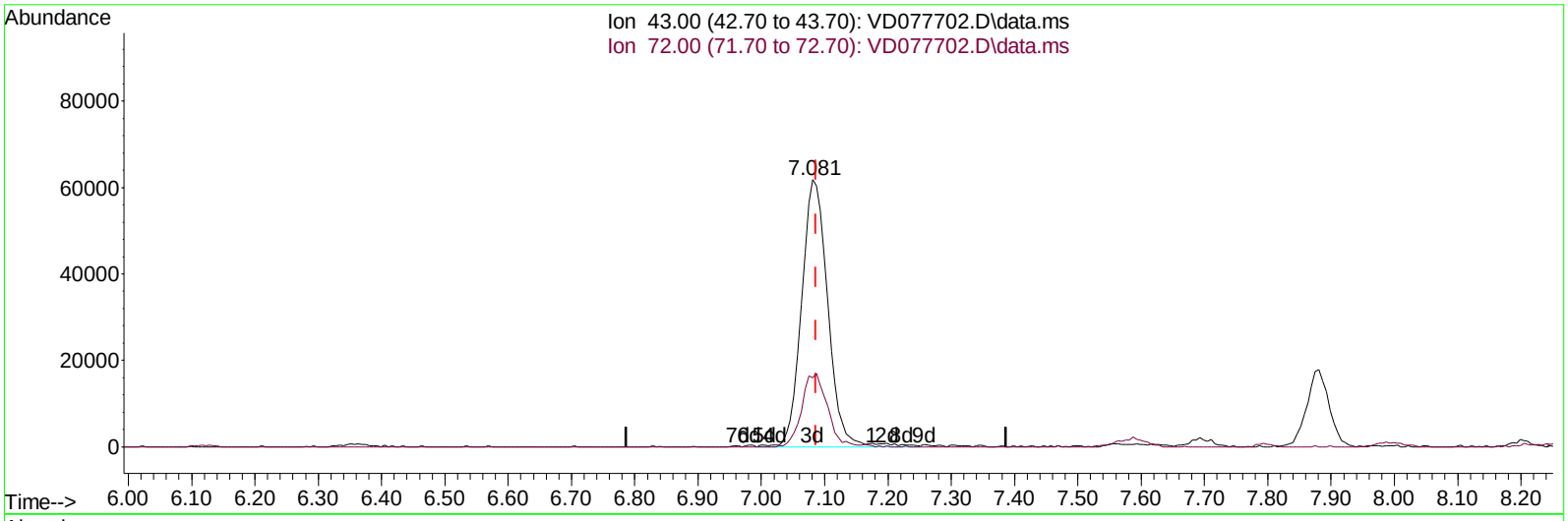
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

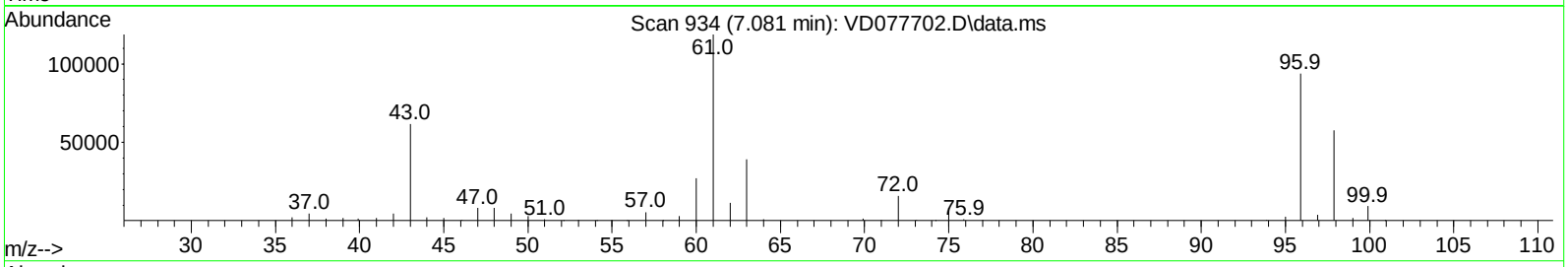
Quant Time: Nov 29 23:56:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

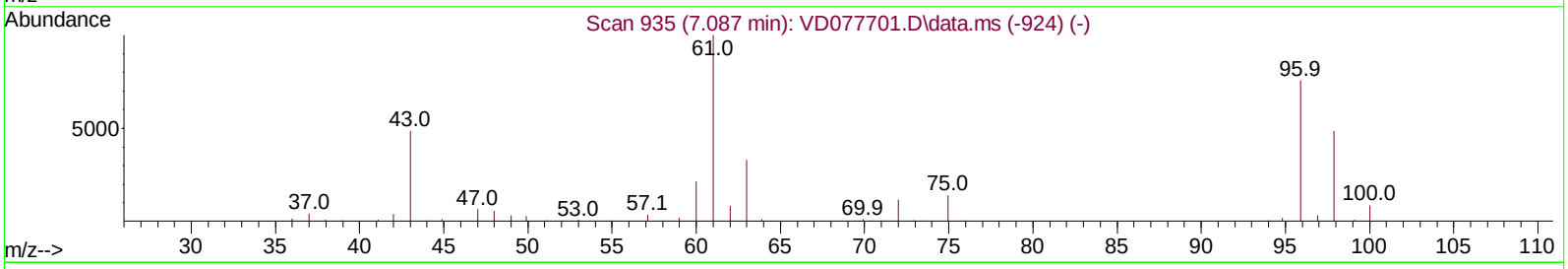
**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
Supervised By :Mahesh Dadoda 11/30/2023




TIC: VD077702.D\data.ms

**(22) 2-Butanone (T)**

**7.081min (-0.006) 103.51 ug/L m**

**response 177823**

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 14.40 | 0.06# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
Data File : VD077702.D
Acq On : 29 Nov 2023 15:56
Operator : JC/SY
Sample : VSTD05006
Misc : 5.00G/10ml/MSVOA_D/SOIL
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Quant Title : SFAM01.0
QLast Update : Wed Nov 29 23:54:06 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
Supervised By :Mahesh Dadoda 11/30/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Difluorobenzene | 8.781 | 114 | 311986 | 25.000 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 291326 | 25.000 | ug/L | | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 154082 | 25.000 | ug/L | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 4) Vinyl Chloride-d3 | 2.275 | 65 | 426544 | 52.902 | ug/L | | 0.00 |
| 7) Chloroethane-d5 | 2.805 | 69 | 332402 | 53.061 | ug/L | | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 3.922 | 65 | 108357 | 45.407 | ug/L | | 0.00 |
| 21) 2-Butanone-d5 | 6.987 | 46 | 116888m | 89.476 | ug/L | | 0.00 |
| 24) Chloroform-d | 7.569 | 84 | 437595 | 49.527 | ug/L | | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 8.234 | 65 | 223164 | 47.628 | ug/L | | 0.00 |
| 32) Benzene-d6 | 8.204 | 84 | 914007 | 49.280 | ug/L | | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 274862 | 46.108 | ug/L | | 0.00 |
| 41) Toluene-d8 | 10.269 | 98 | 866381 | 51.243 | ug/L | | 0.00 |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79 | 126934 | 49.117 | ug/L | | 0.00 |
| 47) 2-Hexanone-d5 | 10.875 | 63 | 107251 | 101.265 | ug/L | | 0.00 |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 212686 | 53.152 | ug/L | | 0.00 |
| 66) 1,2-Dichlorobenzene-d4 | 13.816 | 152 | 282947 | 52.241 | ug/L | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.934 | 85 | 258954 | 51.549 | ug/L | | 99 |
| 3) Chloromethane | 2.152 | 50 | 364681 | 50.516 | ug/L | | 98 |
| 5) Vinyl chloride | 2.287 | 62 | 465291 | 55.979 | ug/L | | 100 |
| 6) Bromomethane | 2.693 | 94 | 248713 | 57.092 | ug/L | | 99 |
| 8) Chloroethane | 2.840 | 64 | 281603 | 54.634 | ug/L | | 96 |
| 9) Trichlorofluoromethane | 3.181 | 101 | 384710 | 52.022 | ug/L | | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969 | 101 | 233734 | 51.329 | ug/L | | 98 |
| 12) 1,1-Dichloroethene | 3.940 | 96 | 222282m | 50.648 | ug/L | | |
| 13) Acetone | 4.022 | 43 | 158795 | 110.868 | ug/L | | 99 |
| 14) Carbon disulfide | 4.275 | 76 | 783737 | 49.341 | ug/L | | 100 |
| 15) Methyl Acetate | 4.569 | 43 | 101645 | 44.407 | ug/L | | 100 |
| 16) Methylene chloride | 4.805 | 84 | 235012 | 44.858 | ug/L | | 93 |
| 17) trans-1,2-Dichloroethene | 5.316 | 96 | 235279 | 50.996 | ug/L | | 96 |
| 18) Methyl tert-butyl Ether | 5.316 | 73 | 524182 | 49.147 | ug/L | | 99 |
| 19) 1,1-Dichloroethane | 6.116 | 63 | 426912 | 46.662 | ug/L | | 99 |
| 20) cis-1,2-Dichloroethene | 7.081 | 96 | 253715 | 50.660 | ug/L | | 99 |
| 22) 2-Butanone | 7.081 | 43 | 177823m | 103.508 | ug/L | | |
| 23) Bromochloromethane | 7.428 | 128 | 107195 | 52.879 | ug/L | | 95 |
| 25) Chloroform | 7.599 | 83 | 414962 | 49.003 | ug/L | | 94 |
| 27) 1,2-Dichloroethane | 8.328 | 62 | 268474 | 48.100 | ug/L | # | 94 |
| 29) Cyclohexane | 7.881 | 56 | 407231 | 44.407 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 7.793 | 97 | 364431 | 48.540 | ug/L | | 99 |
| 31) Carbon tetrachloride | 7.993 | 117 | 325444 | 50.060 | ug/L | | 100 |
| 33) Benzene | 8.252 | 78 | 992214 | 49.864 | ug/L | | 100 |
| 34) Trichloroethene | 9.028 | 95 | 241788 | 48.949 | ug/L | | 97 |
| 35) Methylcyclohexane | 9.275 | 83 | 448563 | 50.382 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 9.304 | 63 | 253283 | 46.074 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.587 | 83 | 307328 | 48.602 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.016 | 75 | 407699 | 48.348 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 10.157 | 43 | 300037 | 91.495 | ug/L | | 100 |
| 42) Toluene | 10.334 | 91 | 1072461 | 51.109 | ug/L | | 96 |

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**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/30/2023
Supervised By :Mahesh Dadoda 11/30/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) trans-1,3-Dichloropropene | 10.551 | 75 | 345585 | 49.525 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 10.734 | 97 | 174319 | 51.258 | ug/L | | 96 |
| 46) Tetrachloroethene | 10.810 | 164 | 198127 | 53.781 | ug/L | | 99 |
| 48) 2-Hexanone | 10.922 | 43 | 272255 | 102.363 | ug/L | | 99 |
| 49) Dibromochloromethane | 11.075 | 129 | 203555 | 52.432 | ug/L | | 94 |
| 50) 1,2-Dibromoethane | 11.181 | 107 | 167367 | 51.370 | ug/L | # | 97 |
| 51) Chlorobenzene | 11.610 | 112 | 645193 | 52.077 | ug/L | | 99 |
| 52) Ethylbenzene | 11.687 | 91 | 1187204 | 51.566 | ug/L | | 99 |
| 53) m,p-Xylene | 11.793 | 106 | 444901 | 52.749 | ug/L | | 98 |
| 54) o-Xylene | 12.122 | 106 | 442885 | 54.613 | ug/L | | 99 |
| 55) Styrene | 12.140 | 104 | 777919 | 54.836 | ug/L | | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83 | 211178 | 52.860 | ug/L | | 97 |
| 59) Bromoform | 12.304 | 173 | 129112 | 49.629 | ug/L | # | 98 |
| 60) Isopropylbenzene | 12.422 | 105 | 1192445 | 48.597 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.728 | 75 | 141582 | 44.365 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.904 | 105 | 912972 | 49.224 | ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.216 | 105 | 929931 | 49.435 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.463 | 146 | 506221 | 50.010 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 13.539 | 146 | 517517 | 50.399 | ug/L | | 99 |
| 67) 1,2-Dichlorobenzene | 13.834 | 146 | 464496 | 51.529 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75 | 30889 | 44.168 | ug/L | | 94 |
| 69) 1,3,5-Trichlorobenzene | 14.592 | 180 | 354186 | 51.463 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.098 | 180 | 299696 | 51.711 | ug/L | | 99 |
| 71) Naphthalene | 15.334 | 128 | 573133 | 52.593 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.522 | 180 | 264217 | 53.155 | ug/L | | 99 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
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Acq On : 29 Nov 2023 15:56
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ALS Vial : 4 Sample Multiplier: 1

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Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD050106

**Manual IntegrationsAPPROVED**

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