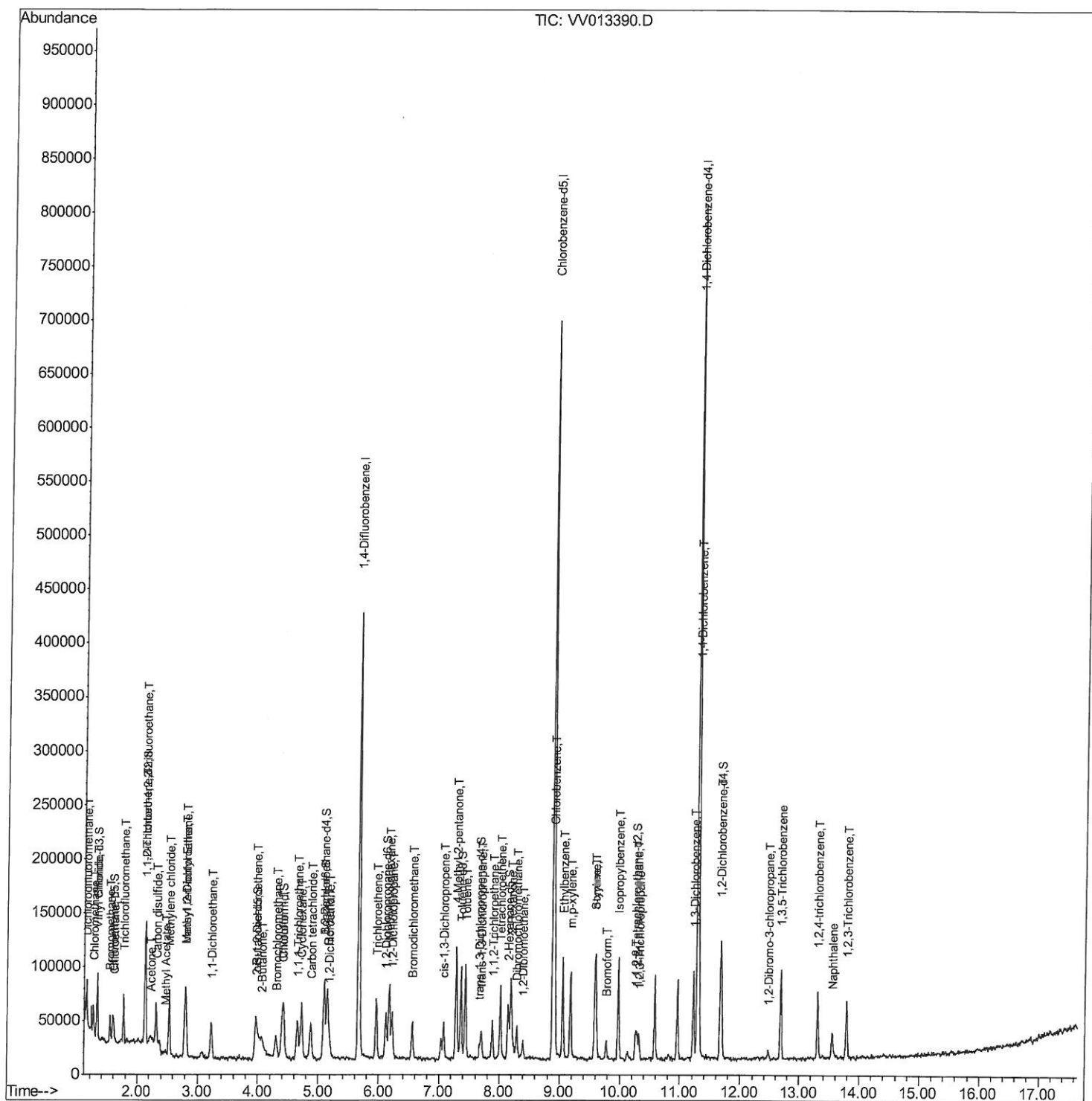


Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:10:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (Qedit)

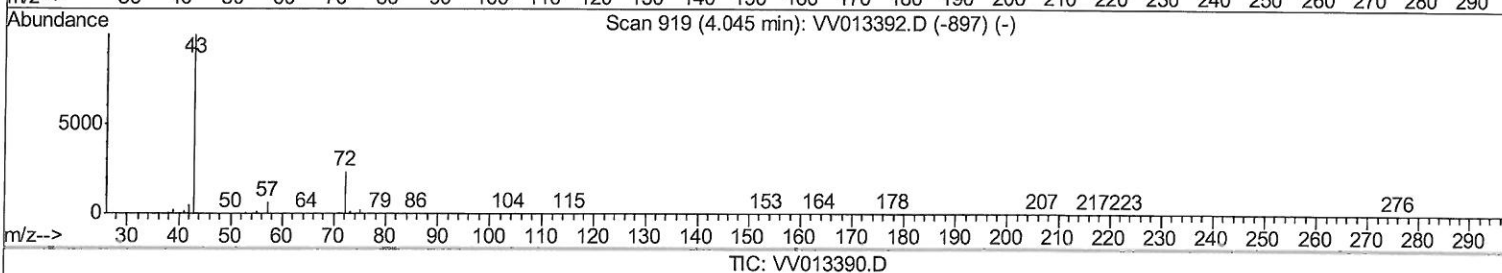
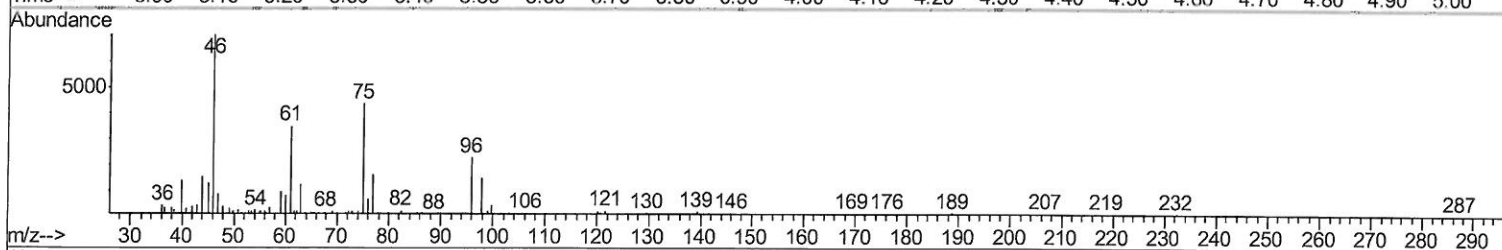
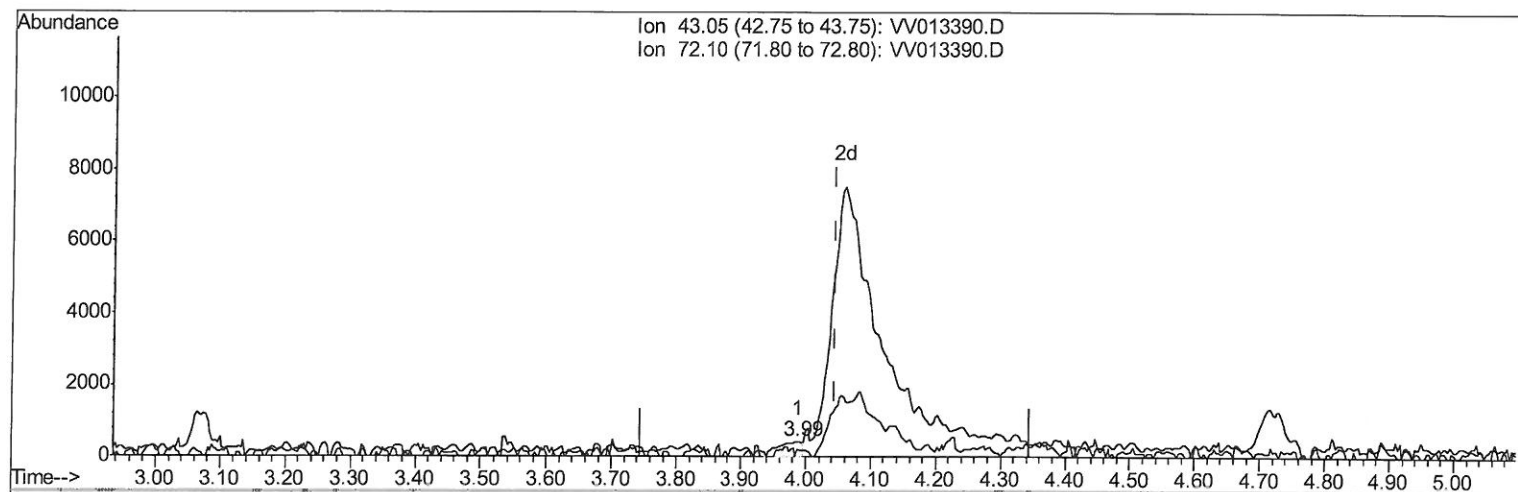
Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:00:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration



(21) 2-Butanone (T)

3.987min (-0.058) 0.16ug/L

response 1029

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.05 | 100   | 100   |
| 72.10 | 22.60 | 21.09 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (Qedit)

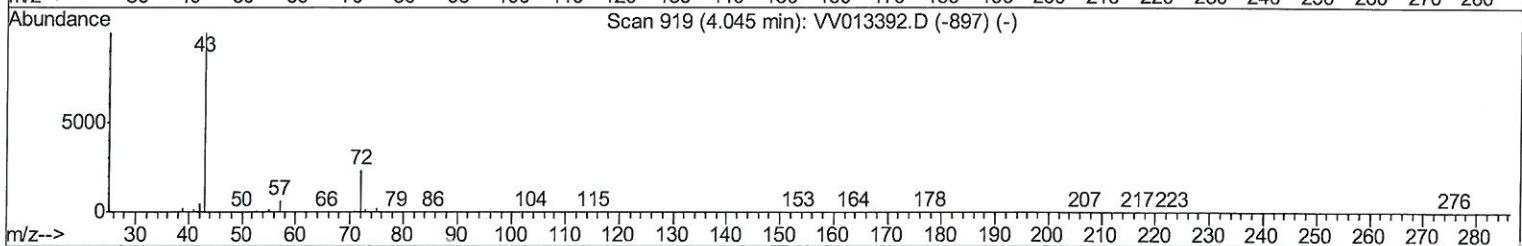
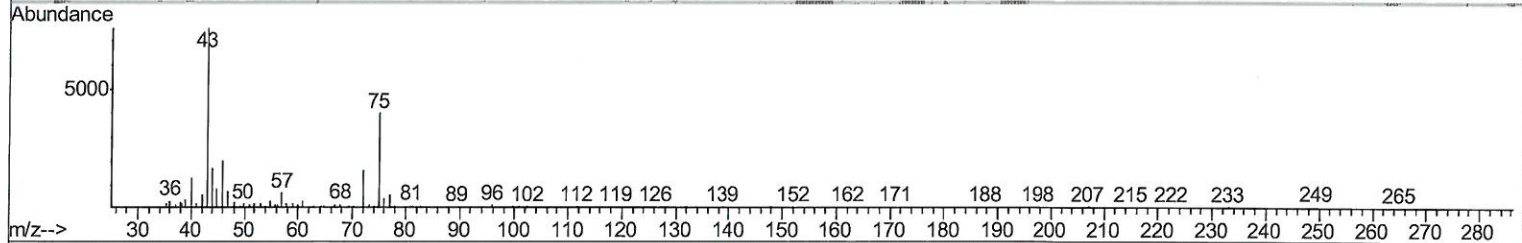
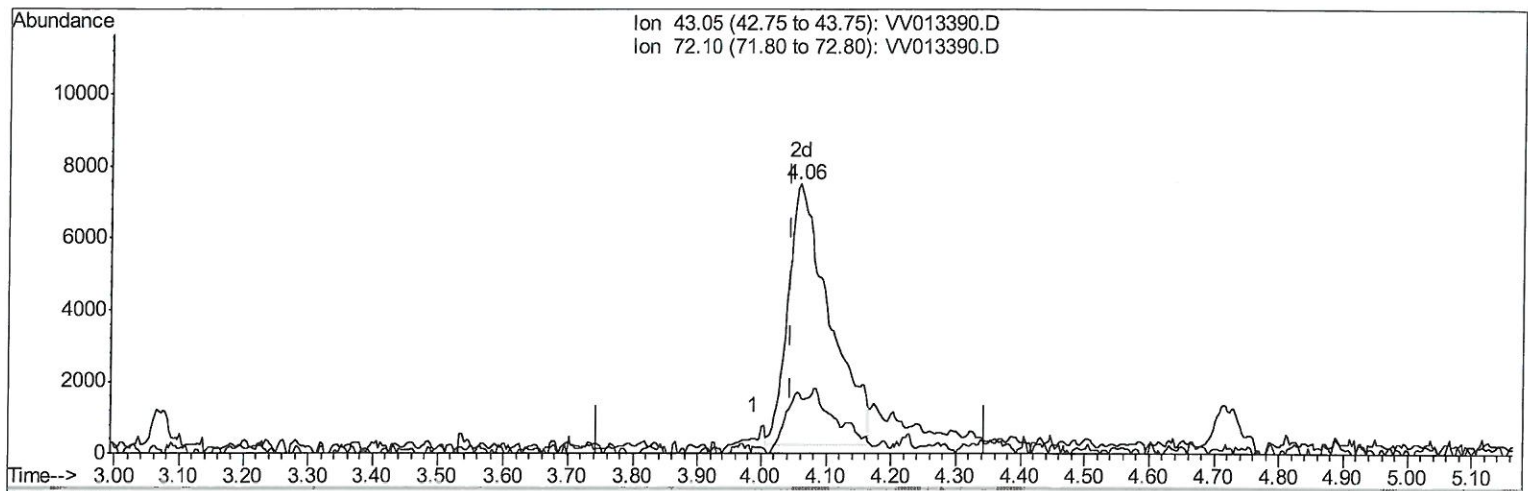
Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:00:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration



TIC: VV013390.D

(21) 2-Butanone (T)

4.058min (+0.013) 5.10ug/L m

response 32383

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.05 | 100   | 100   |
| 72.10 | 22.60 | 0.67# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

7 mg  
11/01/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (Qedit)

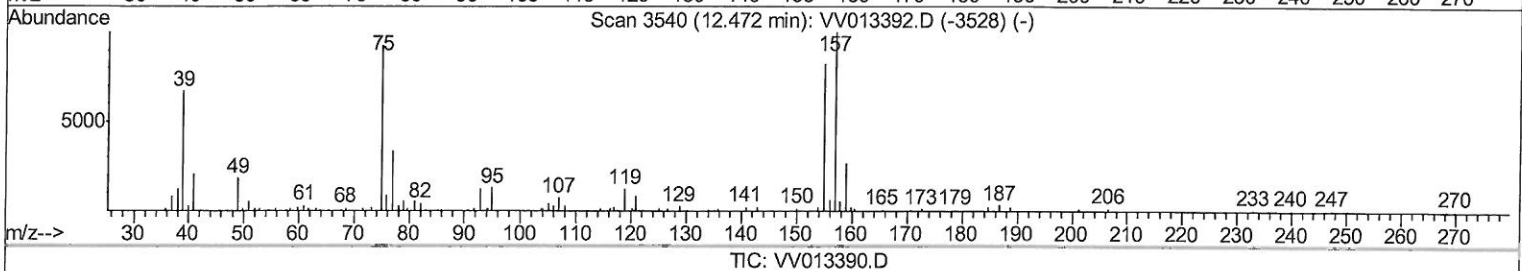
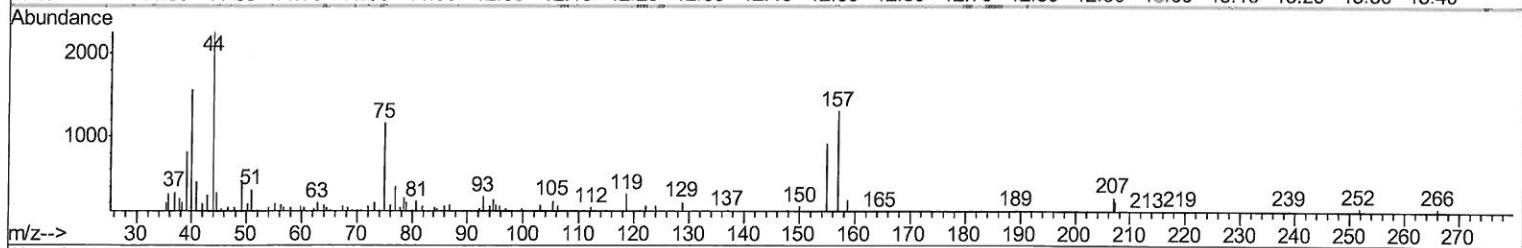
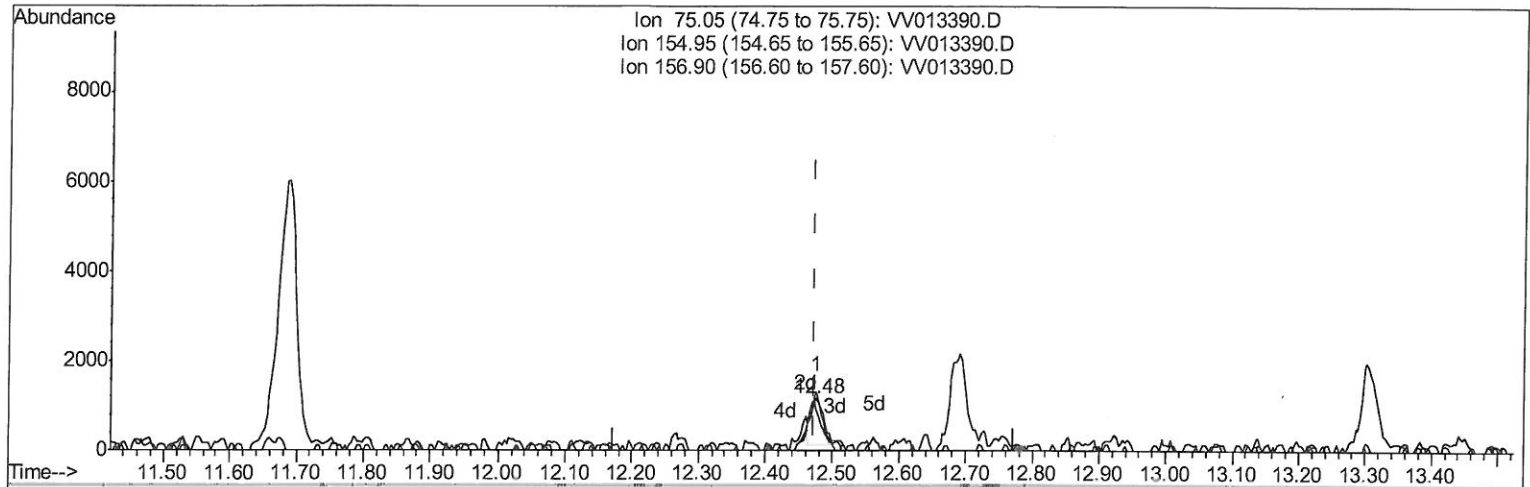
Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:00:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration



(66) 1,2-Dibromo-3-chloropropane (T)

12.476min (+0.003) 0.36ug/L

response 1380

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 75.05  | 100    | 100    |
| 154.95 | 88.20  | 78.37  |
| 156.90 | 107.30 | 112.36 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (Qedit)

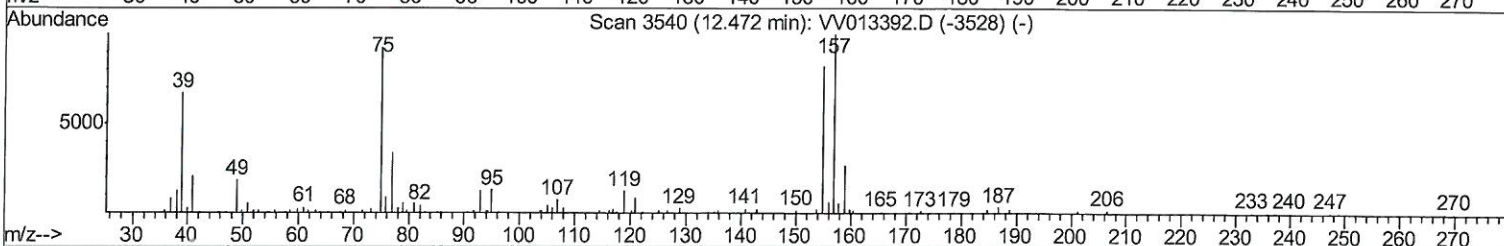
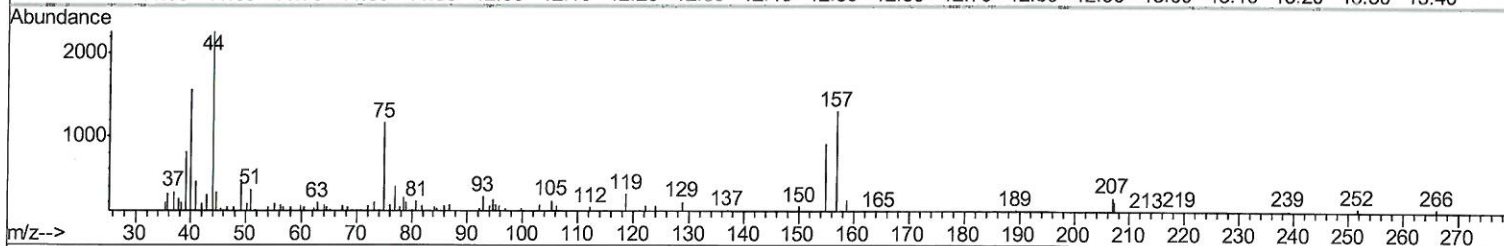
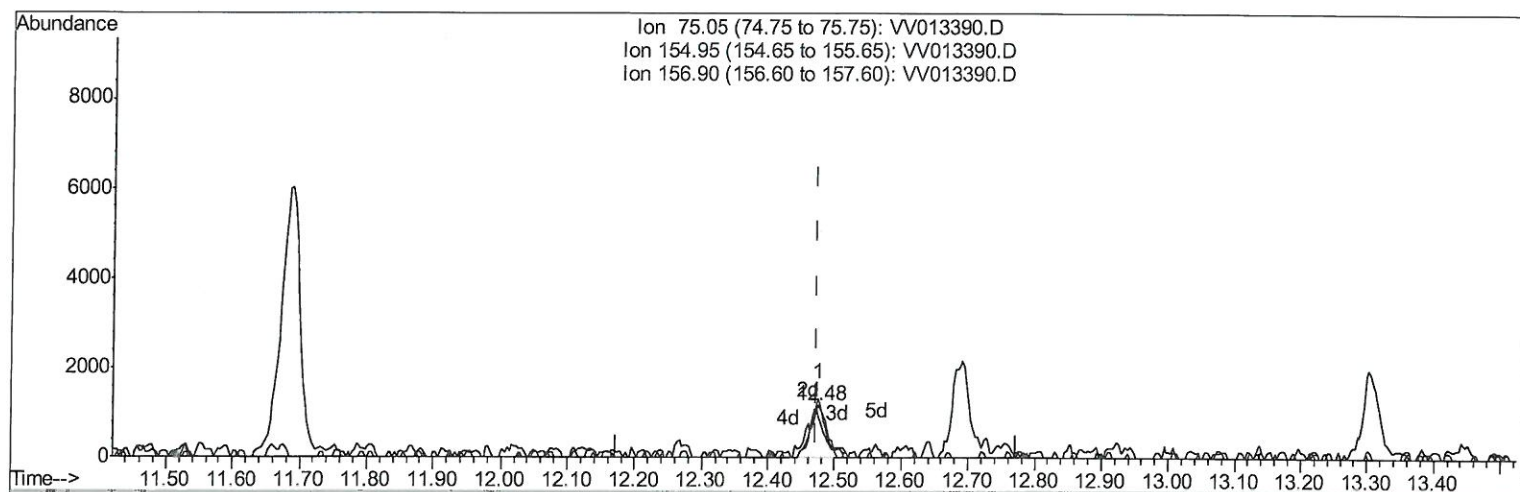
Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:00:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration



TIC: VV013390.D

(66) 1,2-Dibromo-3-chloropropane (T)

12.476min (+0.003) 0.58ug/L m

response 2230

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 75.05  | 100    | 100    |
| 154.95 | 88.20  | 78.37  |
| 156.90 | 107.30 | 112.36 |
| 0.00   | 0.00   | 0.00   |

7 MD  
11/6/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (QT Reviewed)

Data File : VV013390.D  
Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:10:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|----------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 349555   | 5.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 373738   | 5.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 209404   | 5.00 | ug/L  | 0.00      |

System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 17805 | 0.65 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 14213 | 0.64 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 28709 | 0.60 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.98  | 46  | 34134 | 5.95 | ug/L | 0.02 |
| 24) Chloroform-d               | 4.40  | 84  | 33951 | 0.55 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 17099 | 0.59 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.09  | 84  | 64359 | 0.52 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 21166 | 0.57 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 55155 | 0.48 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 7447  | 0.53 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 17519 | 3.61 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 13070 | 0.50 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 23755 | 0.57 | ug/L | 0.00 |

Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 24896  | 0.616 ug/L   | 100    |
| 3) Chloromethane               | 1.25 | 50  | 20756  | 0.588 ug/L   | 91     |
| 5) Vinyl chloride              | 1.32 | 62  | 19908  | 0.568 ug/L   | 94     |
| 6) Bromomethane                | 1.53 | 94  | 10484  | 0.534 ug/L   | 99     |
| 8) Chloroethane                | 1.60 | 64  | 11431  | 0.552 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 26074  | 0.527 ug/L   | 95     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 14186  | 0.491 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 14244  | 0.518 ug/L   | 97     |
| 13) Acetone                    | 2.23 | 43  | 14683  | 5.146 ug/L   | 74     |
| 14) Carbon disulfide           | 2.31 | 76  | 41937  | 0.524 ug/L   | 100    |
| 15) Methyl Acetate             | 2.47 | 43  | 6273   | 0.629 ug/L # | 90     |
| 16) Methylene chloride         | 2.53 | 84  | 24942  | 0.590 ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 32345  | 0.485 ug/L # | 91     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 18828  | 0.556 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 32483  | 0.566 ug/L   | 94     |
| 21) 2-Butanone                 | 4.06 | 43  | 32383m | 5.102 ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 17428  | 0.483 ug/L # | 94     |
| 23) Bromochloromethane         | 4.31 | 128 | 8705   | 0.530 ug/L   | 84     |
| 25) Chloroform                 | 4.42 | 83  | 39930  | 0.573 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 17336  | 0.465 ug/L # | 91     |
| 29) 1,1,1-Trichloroethane      | 4.65 | 97  | 26396  | 0.472 ug/L   | 96     |
| 30) Cyclohexane                | 4.72 | 56  | 24474  | 0.417 ug/L   | 95     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 24072  | 0.478 ug/L   | 96     |
| 33) Benzene                    | 5.15 | 78  | 61820  | 0.428 ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 19121  | 0.493 ug/L   | 96     |
| 35) Methylcyclohexane          | 6.17 | 83  | 23595  | 0.395 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 16552  | 0.470 ug/L # | 94     |
| 38) Bromodichloromethane       | 6.55 | 83  | 21483  | 0.475 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 20080  | 0.404 ug/L   | 98     |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 80979  | 4.387 ug/L   | 96     |

7 ml  
11/01/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102919\  
Quantitation Report (QT Reviewed)

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Acq On : 29 Oct 2019 10:31  
Operator : SY/MD  
Sample : VSTD0.532  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.532

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 10:22:40 AM

Quant Time: Oct 30 02:10:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 30 01:57:51 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.43  | 91   | 63368    | 0.419 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 16863    | 0.446 | ug/L   | 90       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 11653    | 0.479 | ug/L   | 97       |
| 47) Tetrachloroethene          | 8.02  | 164  | 15869    | 0.458 | ug/L   | 92       |
| 48) 2-Hexanone                 | 8.19  | 43   | 53992    | 4.104 | ug/L # | 93       |
| 49) Dibromochloromethane       | 8.29  | 129  | 14157    | 0.462 | ug/L   | 95       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 10241    | 0.442 | ug/L # | 99       |
| 51) Chlorobenzene              | 8.92  | 112  | 44409    | 0.450 | ug/L   | 98       |
| 52) Ethylbenzene               | 9.05  | 91   | 62908    | 0.396 | ug/L   | 95       |
| 53) m,p-xylene                 | 9.18  | 106  | 21902    | 0.364 | ug/L   | 91       |
| 54) o-xylene                   | 9.59  | 106  | 21756    | 0.379 | ug/L   | 98       |
| 55) Styrene                    | 9.60  | 104  | 34005    | 0.348 | ug/L   | 97       |
| 56) Isopropylbenzene           | 9.97  | 105  | 58245    | 0.383 | ug/L   | 96       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.28 | 83   | 11478    | 0.415 | ug/L   | 90       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 9412     | 0.450 | ug/L   | 97       |
| 61) Bromoform                  | 9.77  | 173  | 7834     | 0.486 | ug/L # | 93       |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 33330    | 0.447 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 35223    | 0.469 | ug/L   | 94       |
| 65) 1,2-Dichlorobenzene        | 11.68 | 146  | 32605    | 0.475 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 2230m    | 0.576 | ug/L   |          |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 27495    | 0.488 | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 18951    | 0.389 | ug/L   | 94       |
| 69) Naphthalene                | 13.55 | 128  | 22750    | 0.339 | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 16641    | 0.372 | ug/L   | 94       |

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

7 me  
11/01/19