Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030922\
Data File : VU047447.D
Acq On : 10 Mar 2022 09:38
Operator : SY/MD
Sample : N1857-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**

Quant Time: Mar 11 00:17:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 10 03:57:44 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 152371 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.417 | 117 | 149729 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.812 | 152 | 78683 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 39376 | 4.765 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.200% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 29718 | 4.899 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 98.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.571 | 65 | 17365 | 4.757 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 95.200% | | | |
| 20) 2-Butanone-d5 | 4.652 | 46 | 48706 | 33.104 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 66.200% | | | |
| 24) Chloroform-d | 5.067 | 84 | 63029 | 4.788 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 32040 | 4.806 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.200% | | | |
| 32) Benzene-d6 | 5.729 | 84 | 136285 | 4.839 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.800% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 40670 | 4.881 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.600% | | | |
| 41) Toluene-d8 | 7.899 | 98 | 126461 | 4.568 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 14529 | 4.107 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 82.200% | | | |
| 46) 2-Hexanone-d5 | 8.639 | 63 | 71901 | 46.140 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.280% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84 | 33937 | 4.674 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 49880 | 5.000 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Vinyl chloride | 1.607 | 62 | 46488 | 4.149 | ug/L | 99 |
| 8) Chloroethane | 1.961 | 64 | 587 | 0.086 | ug/L # | 42 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568 | 101 | 512 | 0.056 | ug/L # | 17 |
| 18) trans-1,2-Dichloroethene | 3.359 | 96 | 3148 | 0.329 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.671 | 96 | 142858 | 13.461 | ug/L | 97 |
| 33) Benzene | 5.777 | 78 | 7624 | 0.189 | ug/L | 100 |
| 35) Methylcyclohexane | 6.693 | 83 | 9555 | 0.560 | ug/L # | 20 |
| 37) 1,2-Dichloropropane | 6.693 | 63 | 4416 | 0.438 | ug/L # | 88 |
| 61) 1,2,3-Trichloropropane | 11.809 | 75 | 8390 | 1.151 | ug/L # | 67 |

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

Quantitation Report (Not Reviewed)

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Misc : 25.0mL/MSVOA_U/WATER
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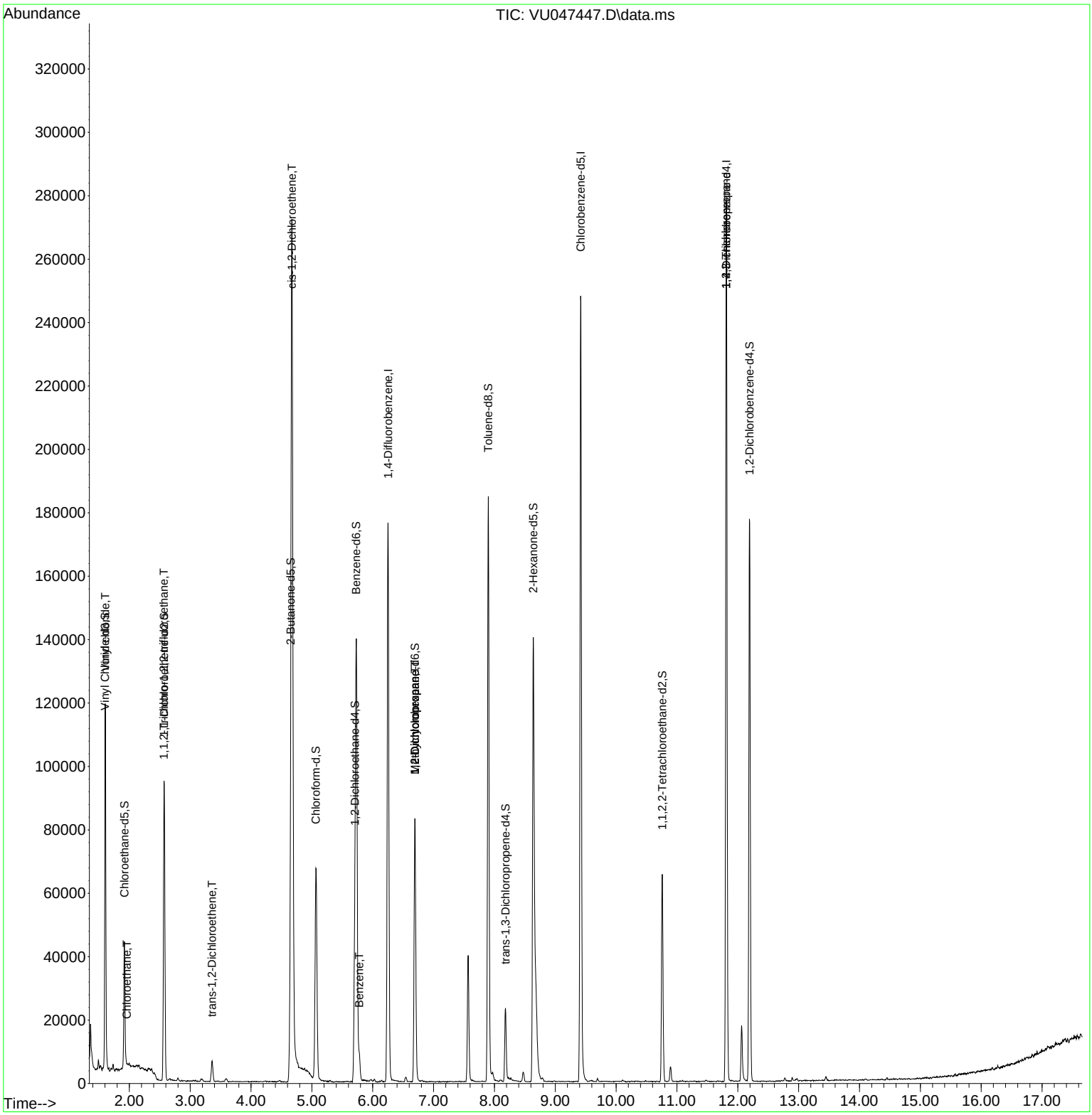
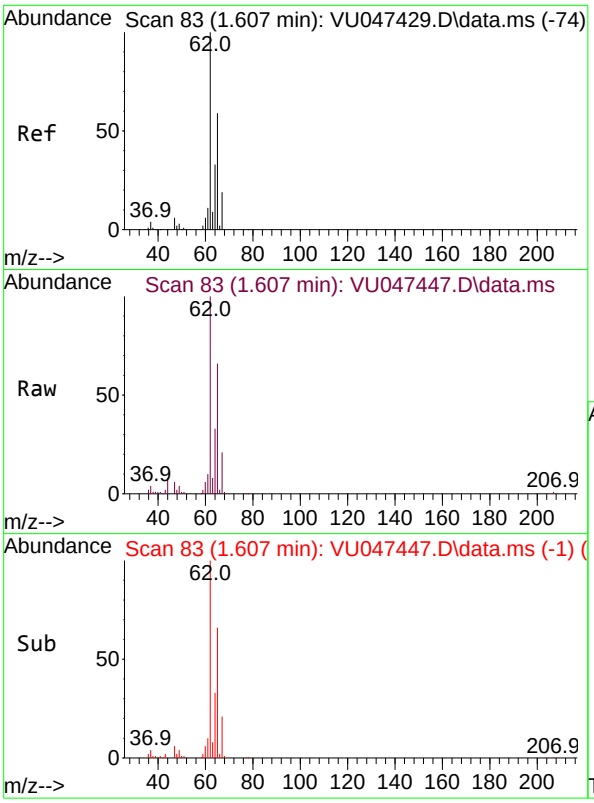
**Instrument :**
MSVOA_U
**ClientSampleId :**

Quant Time: Mar 11 00:17:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 10 03:57:44 2022
Response via : Initial Calibration



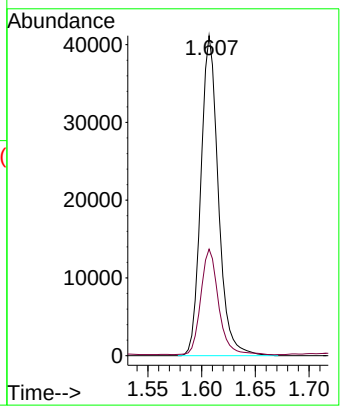


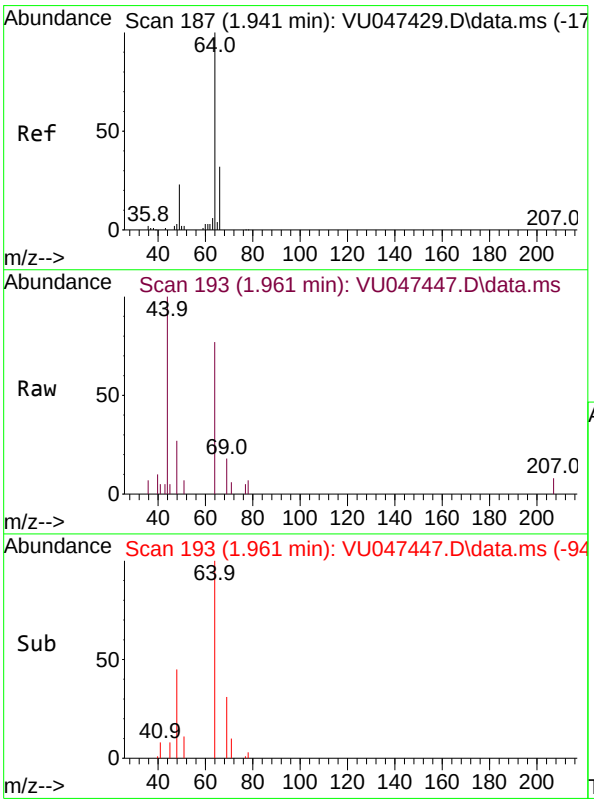

#5
Vinyl chloride
Concen: 4.149 ug/L
RT: 1.607 min Scan# 8
Delta R.T. -0.000 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 62 Resp: 46488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.3 | 23.7 | 43.9 |

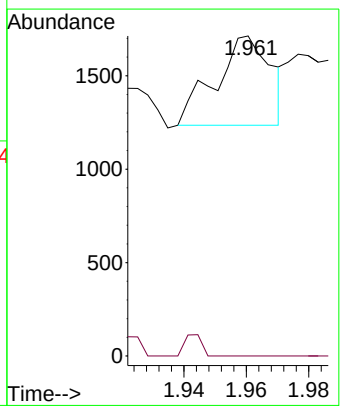


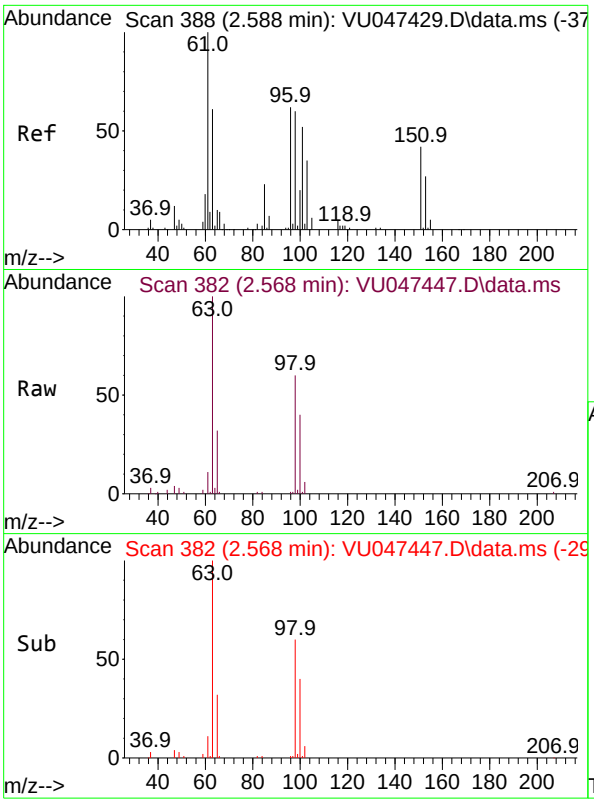




#8
Chloroethane
Concen: 0.086 ug/L
RT: 1.961 min Scan# 193
Delta R.T. 0.019 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

Tgt Ion: 64 Resp: 587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 22.9 | 42.5# |



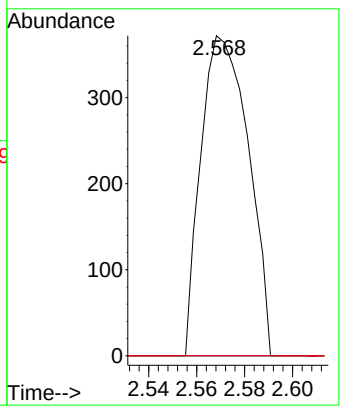


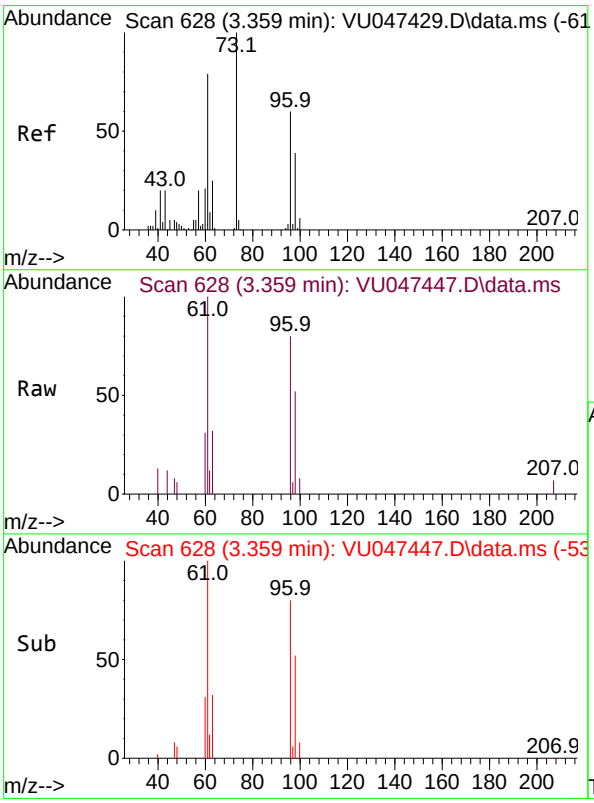

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.056 ug/L
RT: 2.568 min Scan# 3
Delta R.T. -0.019 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion:101 Resp: 512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.8 | 50.6# |
| 151 | 0.0 | 64.8 | 97.2# |

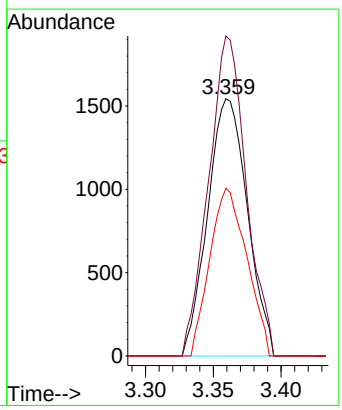


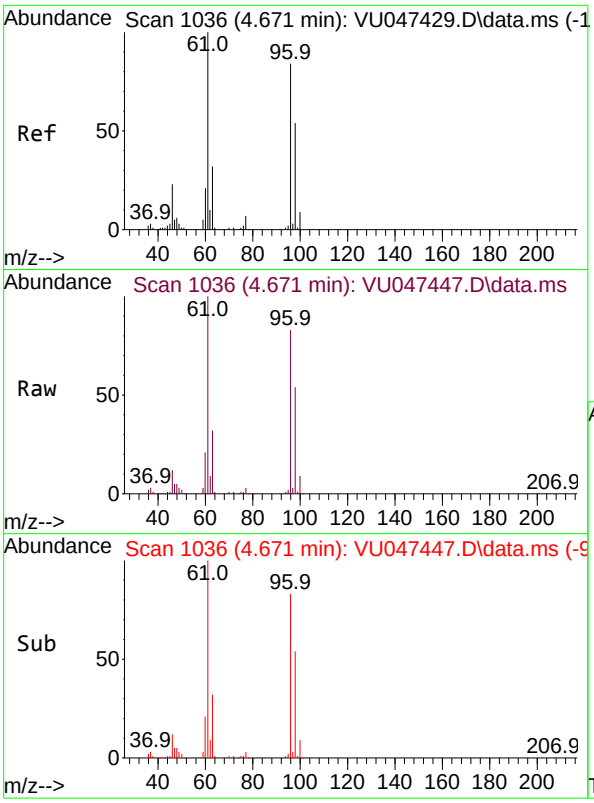




#18
trans-1,2-Dichloroethene
Concen: 0.329 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

Tgt Ion: 96 Resp: 3148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.4 | 90.4 | 167.8 |
| 98 | 65.2 | 45.0 | 83.6 |



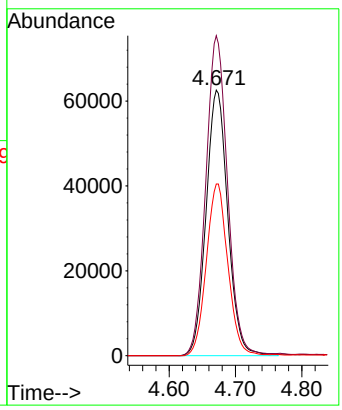


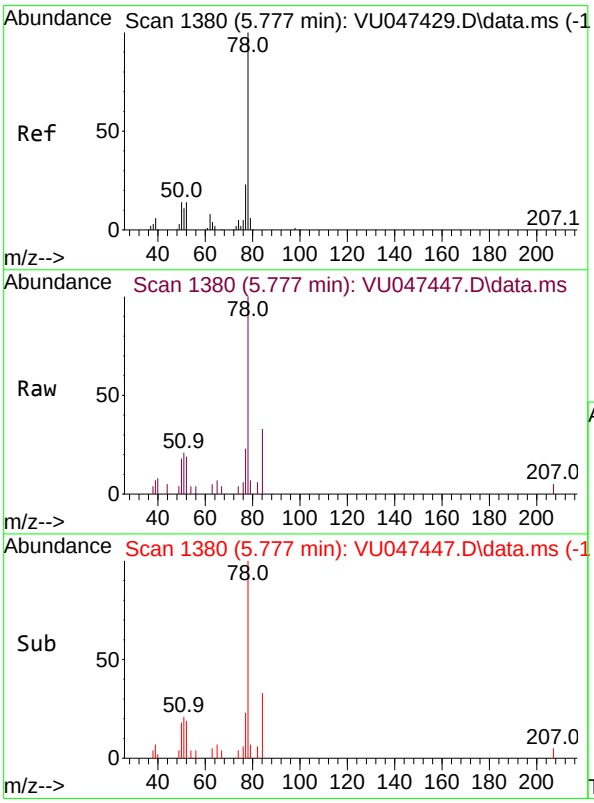

#22
cis-1,2-Dichloroethene
Concen: 13.461 ug/L
RT: 4.671 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 96 Resp: 142858

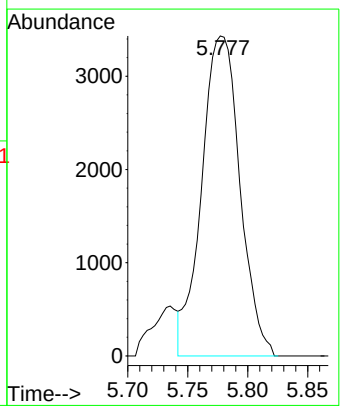
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.5 | 80.8 | 150.0 |
| 98 | 64.6 | 44.7 | 83.1 |

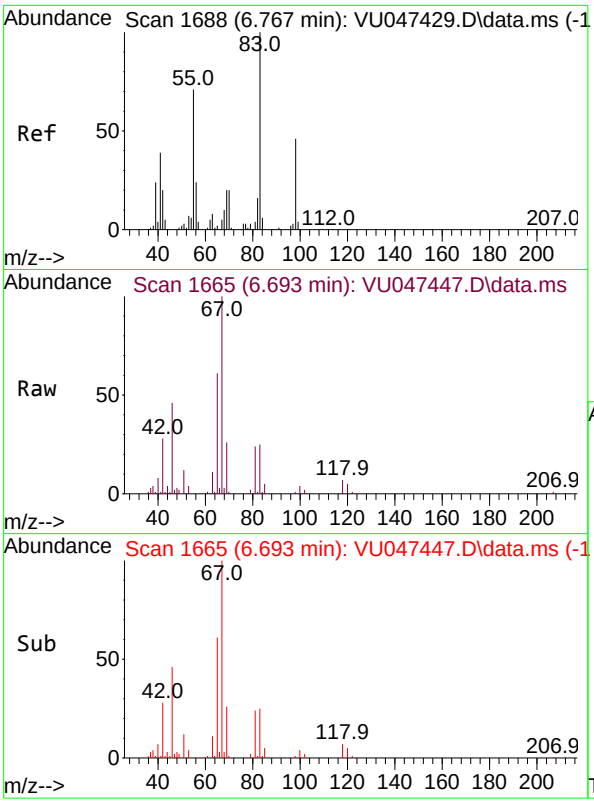



#33
Benzene
Concen: 0.189 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

Tgt Ion: 78 Resp: 7624



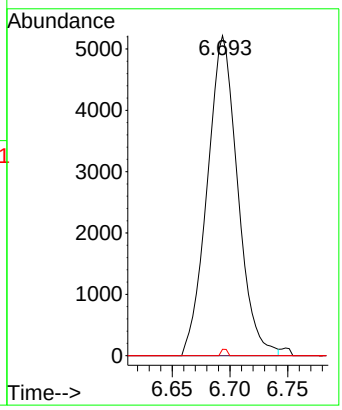


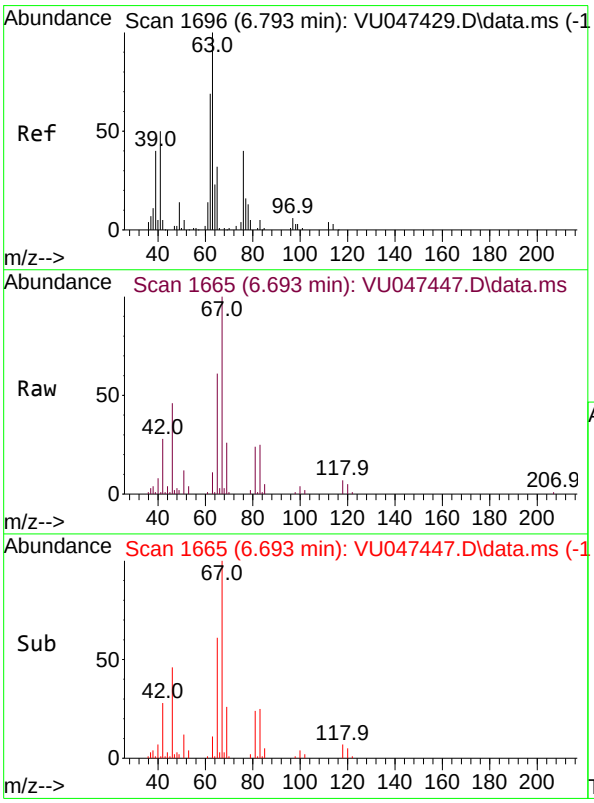

#35
Methylcyclohexane
Concen: 0.560 ug/L
RT: 6.693 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 83 Resp: 9555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 57.8 | 86.8# |
| 98 | 0.4 | 38.0 | 57.0# |

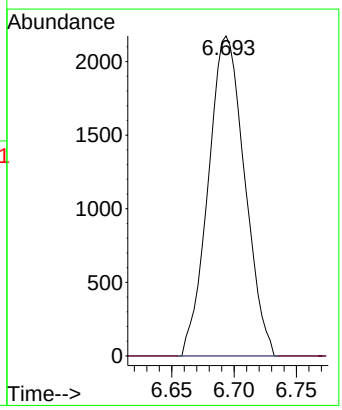


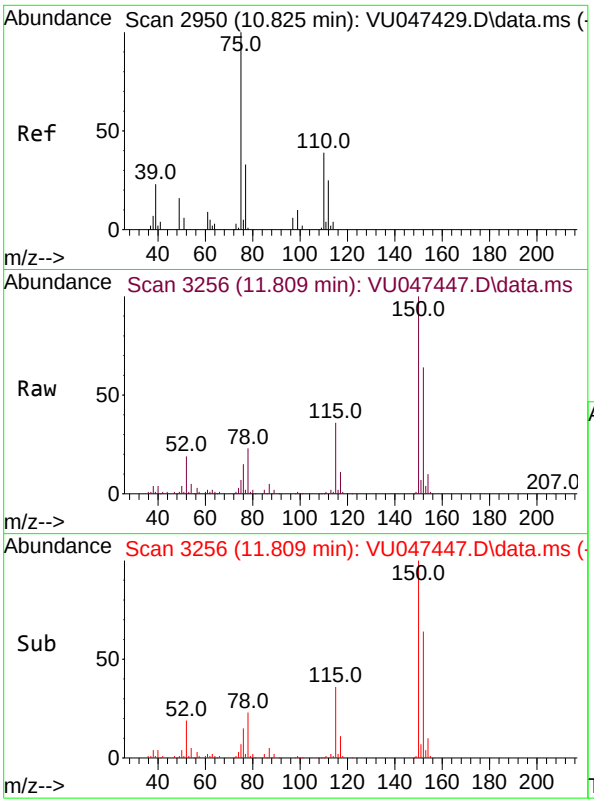




#37
1,2-Dichloropropane
Concen: 0.438 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

Tgt Ion: 63 Resp: 4416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.3 | 4.9# |






#61
1,2,3-Trichloropropane
Concen: 1.151 ug/L
RT: 11.809 min Scan# 3
Delta R.T. 0.984 min
Lab File: VU047447.D
Acq: 10 Mar 2022 09:38

**Instrument :**
MSVOA_U
**ClientSampleId :**

Tgt Ion: 75 Resp: 8390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 2.0 | 31.0 | 46.4# |
| 77 | 32.5 | 26.2 | 39.4 |