Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024788.D
Acq On : 21 Jun 2018 04:27
Operator : MD/SY
Sample : J3585-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Quant Time: Jun 21 07:58:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.99 | 168 | 204799 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.89 | 114 | 313486 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.09 | 117 | 292996 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 158356 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.31 | 65 | 142961 | 42.76 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 85.52% | | | |
| 35) Dibromofluoromethane | 4.89 | 113 | 119925 | 46.10 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.20% | | | |
| 50) Toluene-d8 | 7.57 | 98 | 457513 | 48.21 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.42% | | | |
| 62) 4-Bromofluorobenzene | 10.31 | 95 | 168280 | 44.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 1091 | 0.417 | ug/l # | 79 |
| 5) Bromomethane | 1.64 | 94 | 383 | 0.293 | ug/l | 99 |
| 6) Chloroethane | 1.69 | 64 | 45 | Below Cal | # | 43 |
| 10) Methyl Iodide | 2.41 | 142 | 19 | 5.296 | ug/l # | 1 |
| 13) Acrolein | 2.19 | 56 | 415 | 0.972 | ug/l # | 13 |
| 16) Acetone | 2.32 | 43 | 2615 | 1.456 | ug/l | 92 |
| 30) Chloroform | 4.68 | 83 | 7657 | 1.532 | ug/l | 97 |
| 31) Cyclohexane | 4.99 | 56 | 4263 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 4.99 | 75 | 13655 | 3.707 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 4.99 | 117 | 18427 | 4.549 | ug/l # | 16 |
| 76) 1,2,3-Trichloropropane | 10.31 | 75 | 85802 | 24.610 | ug/l # | 35 |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75 | 85802 | 56.959 | ug/l # | 100 |
| 95) Naphthalene | 13.75 | 128 | 63 | 0.685 | ug/l # | 69 |

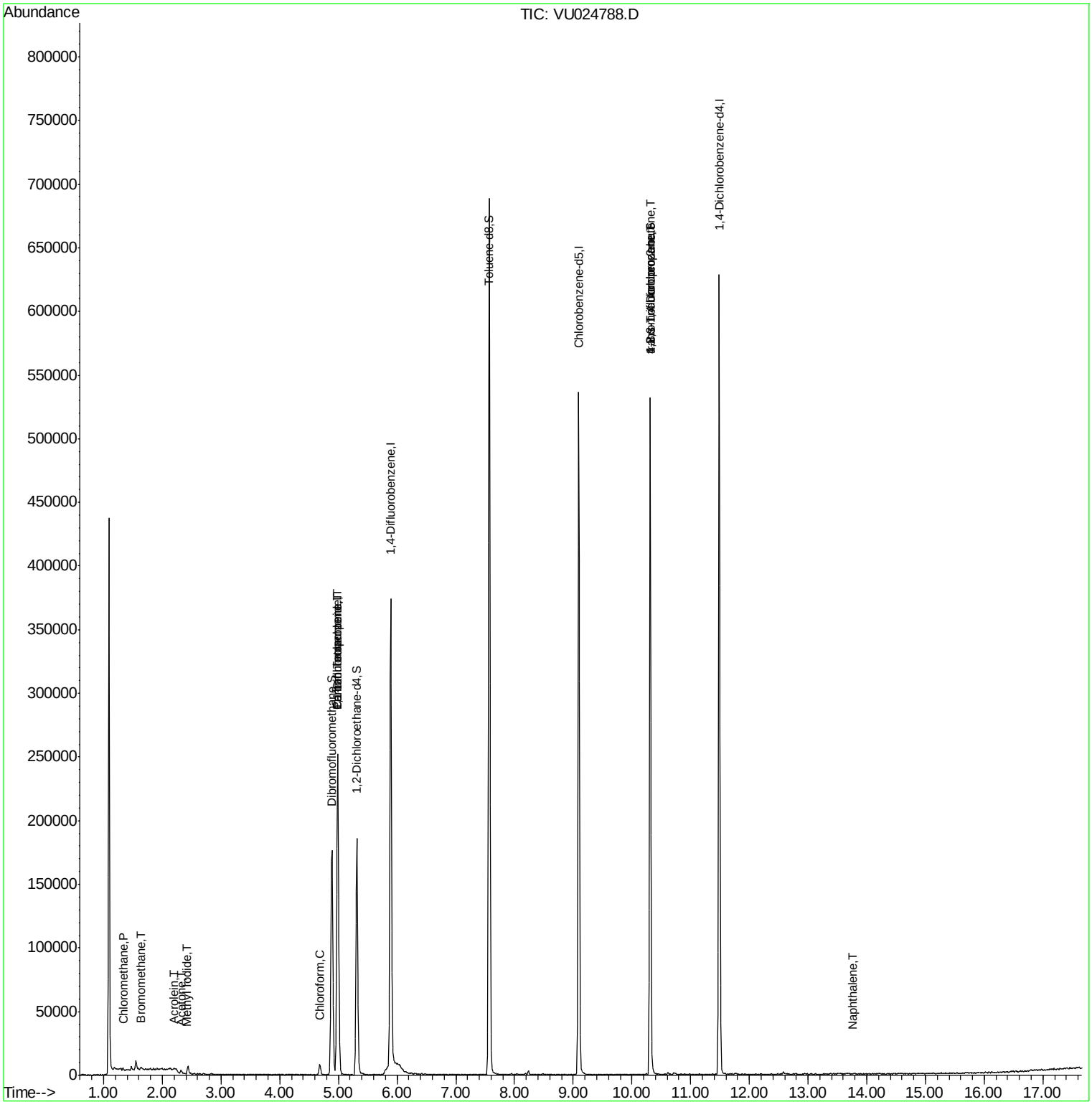
(#) = qualifier out of range (m) = manual integration (+) = signals summed

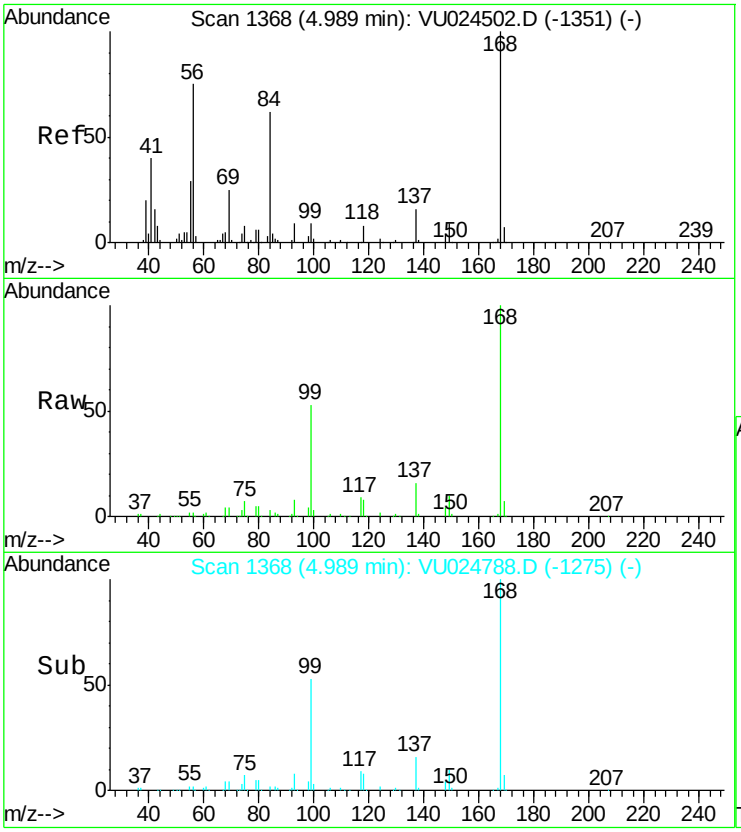
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024788.D
Acq On : 21 Jun 2018 04:27
Operator : MD/SY
Sample : J3585-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
CKMW22

Quant Time: Jun 21 07:58:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration



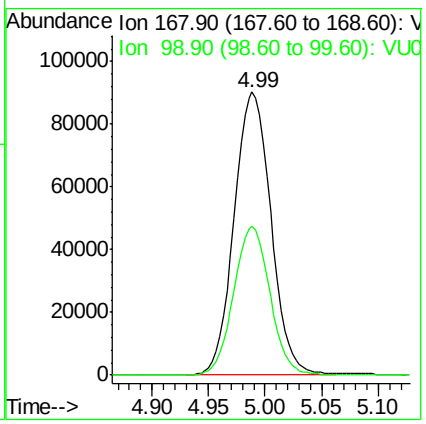


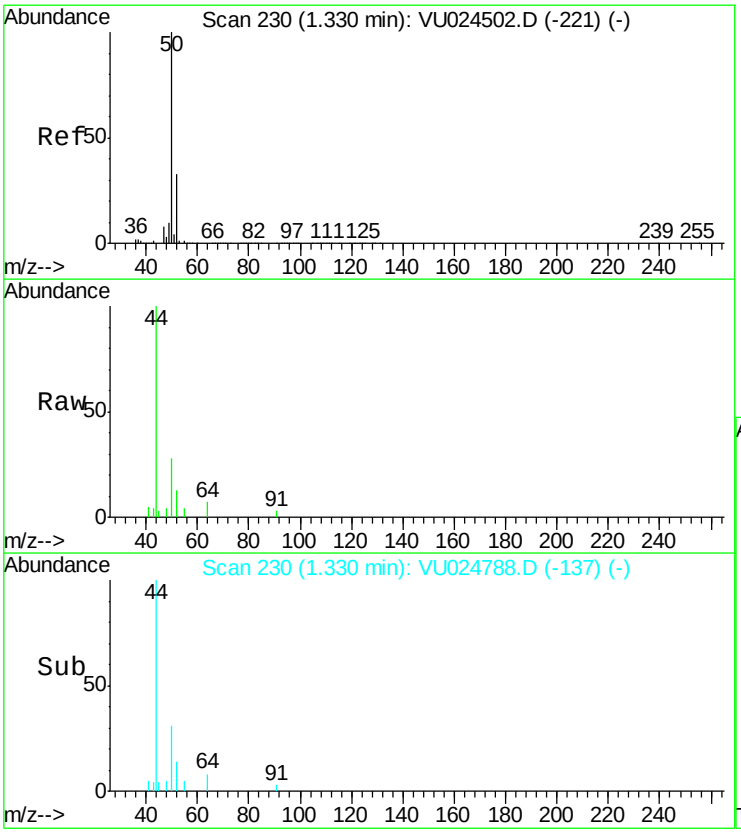

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion:168 Resp: 204799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.7 | 43.2 | 64.8 |

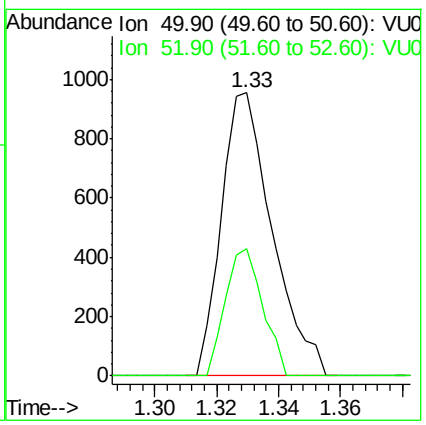


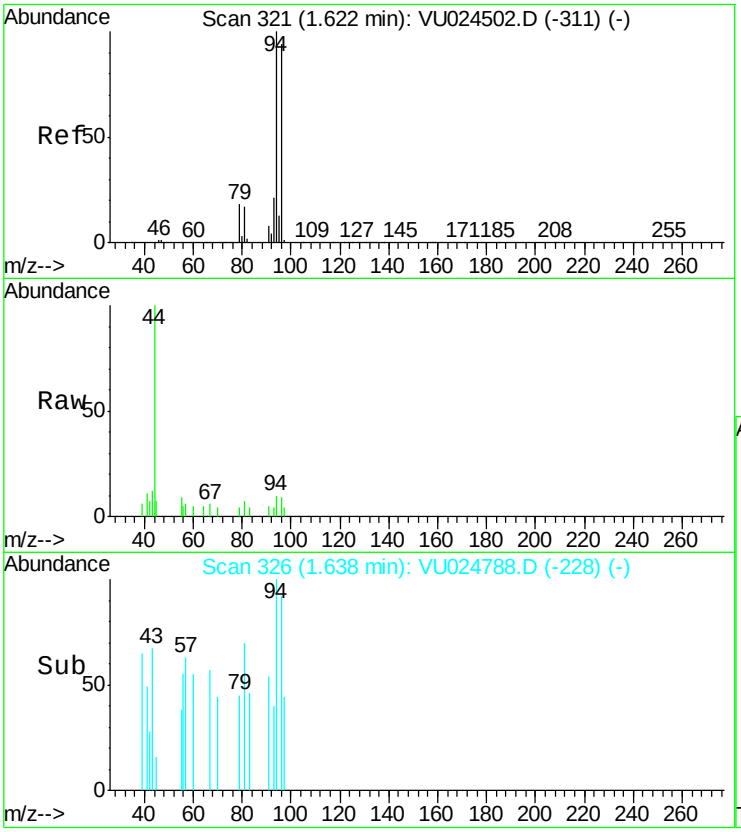




#3
Chloromethane
Concen: 0.417 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 50 Resp: 1091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 44.8 | 26.4 | 39.6# |



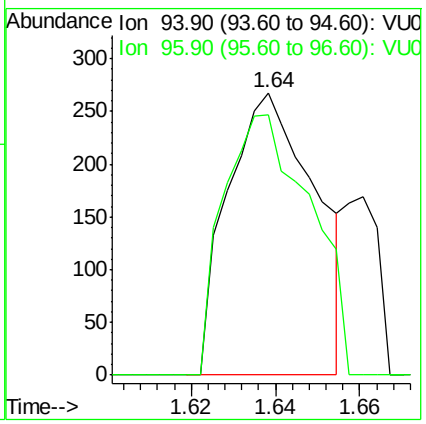


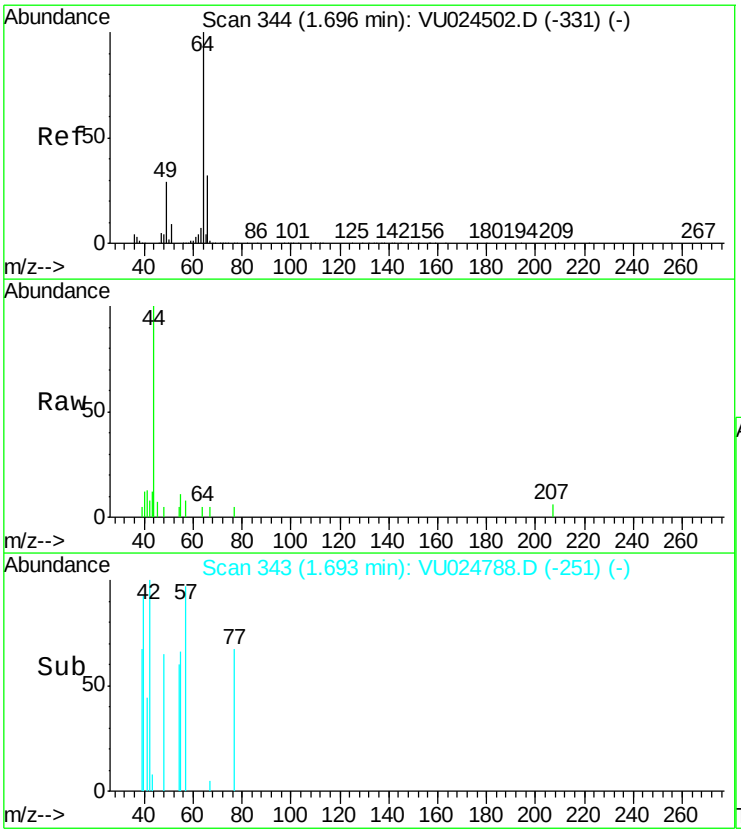

#5
Bromomethane
Concen: 0.293 ug/l
RT: 1.64 min Scan# 326
Delta R.T. 0.02 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
CKMW22

Tgt Ion: 94 Resp: 383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.2 | 74.5 | 111.7 |

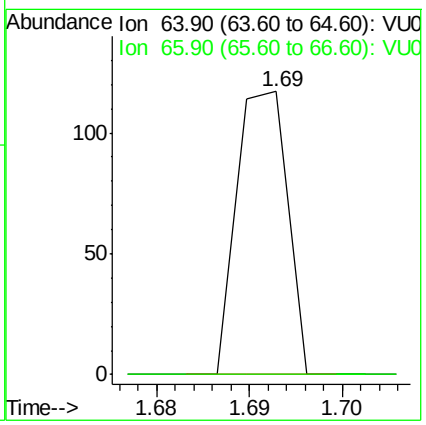


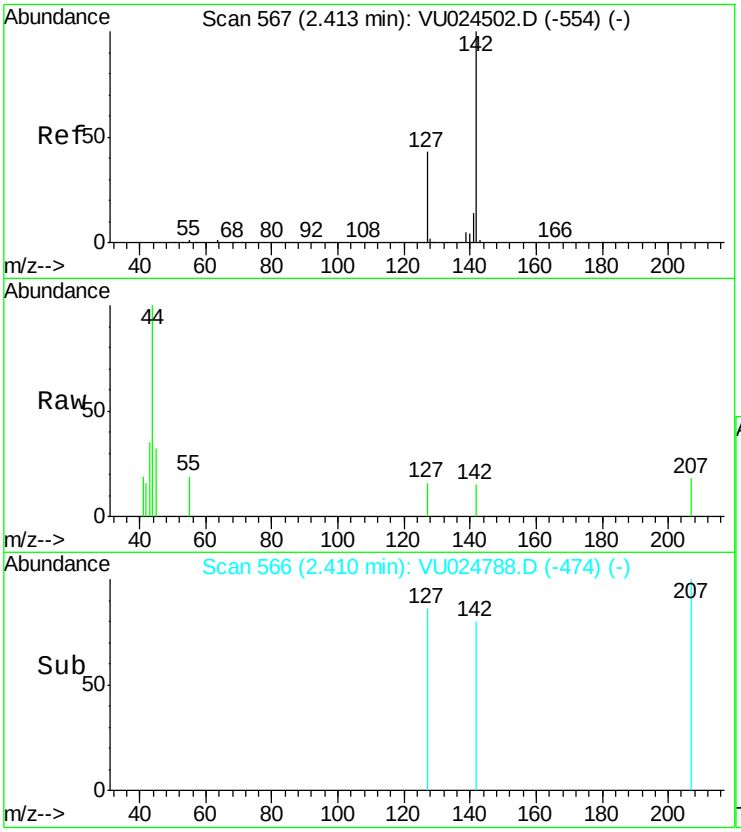




#6
Chloroethane
Concen: Below Cal
RT: 1.69 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 64 Resp: 45

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.5 | 38.3# |



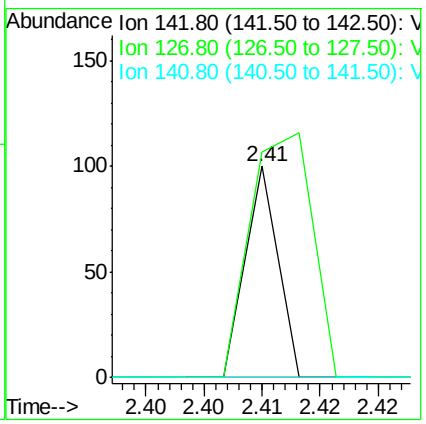


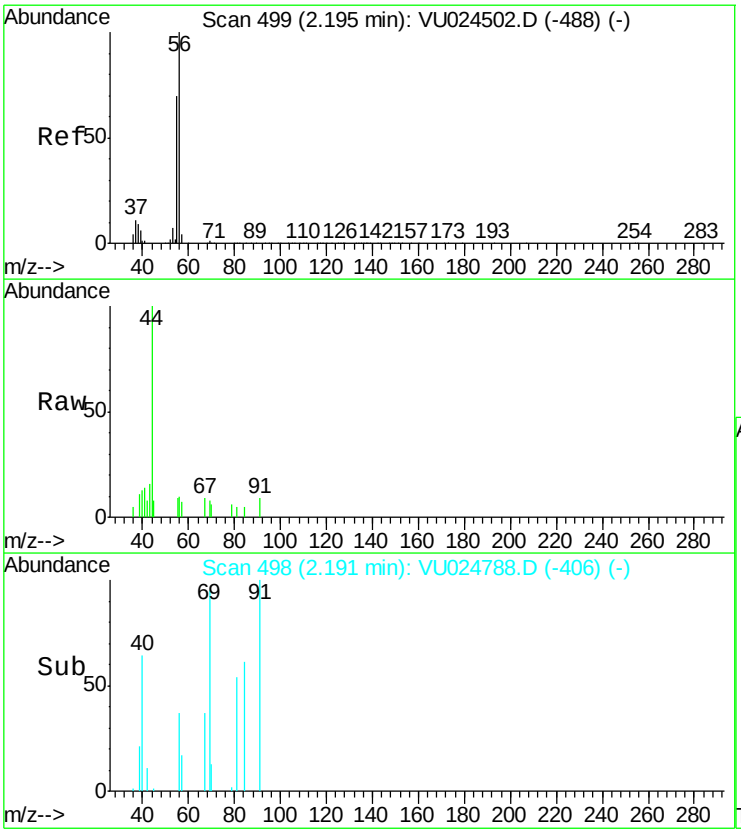

#10
Methyl Iodide
Concen: 5.296 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion:142 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 226.3 | 35.6 | 53.4# |
| 141 | 0.0 | 11.7 | 17.5# |

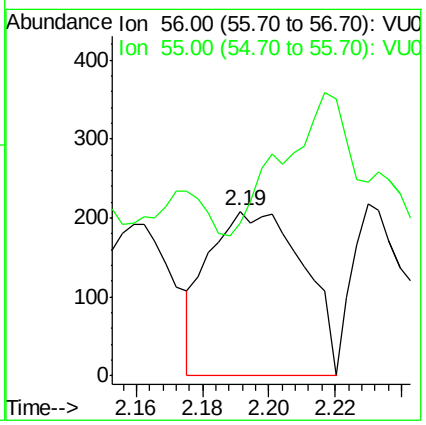


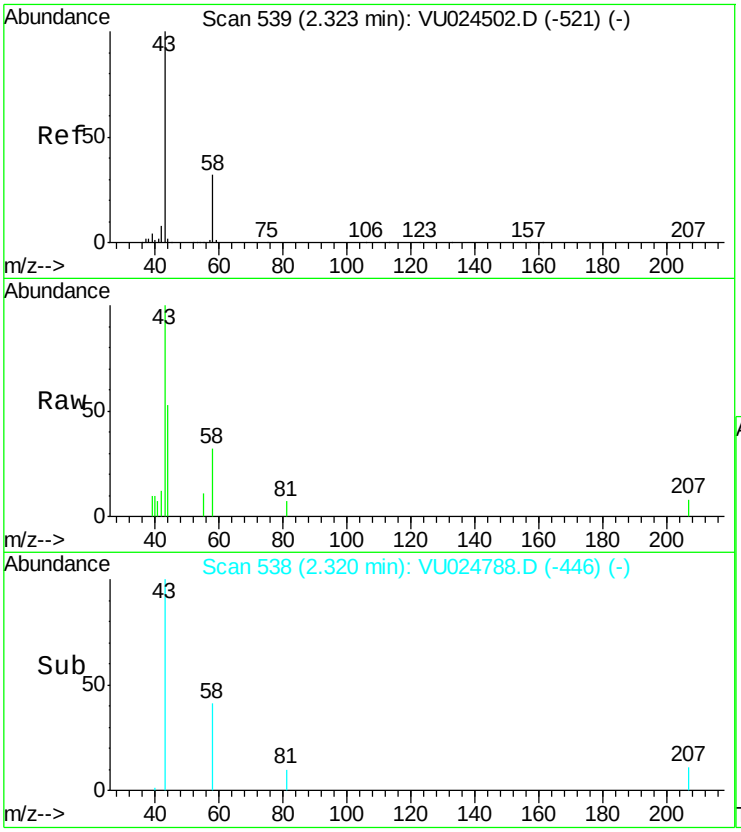




#13
Acrolein
Concen: 0.972 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 56 Resp: 415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.4 | 87.6# |



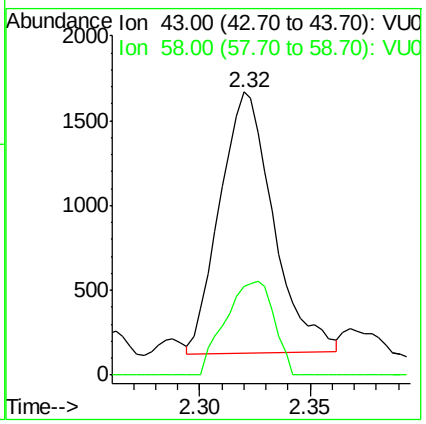


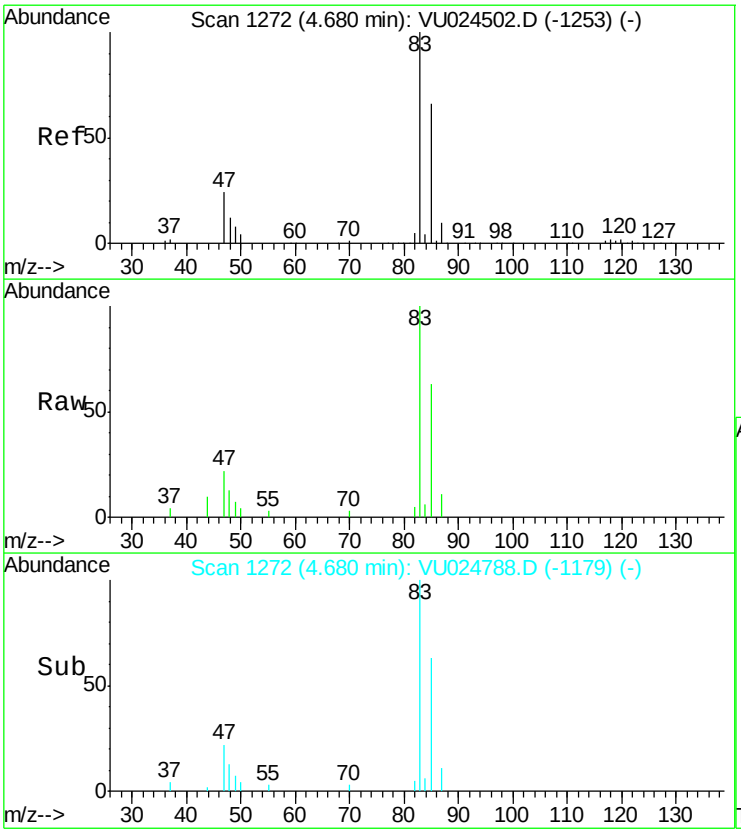

#16
Acetone
Concen: 1.456 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion: 43 Resp: 2615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.0 | 24.4 | 36.6 |

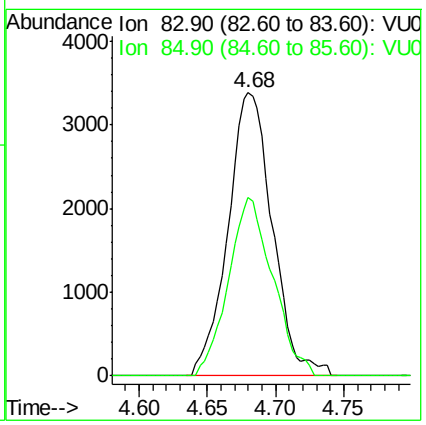


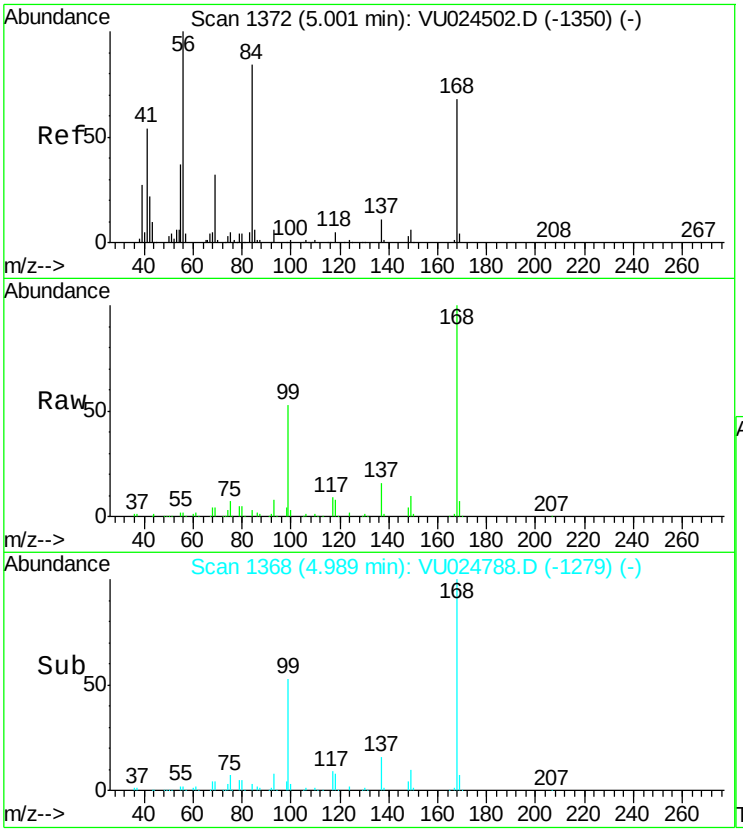




#30
Chloroform
Concen: 1.532 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 83 Resp: 7657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 52.4 | 78.6 |



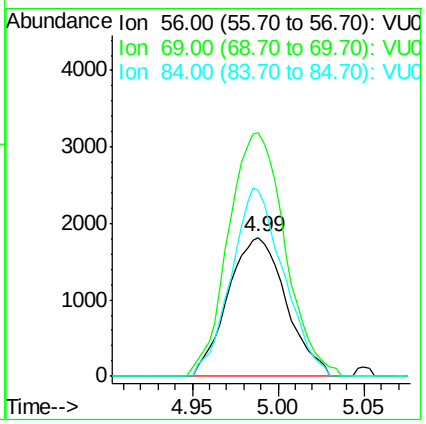


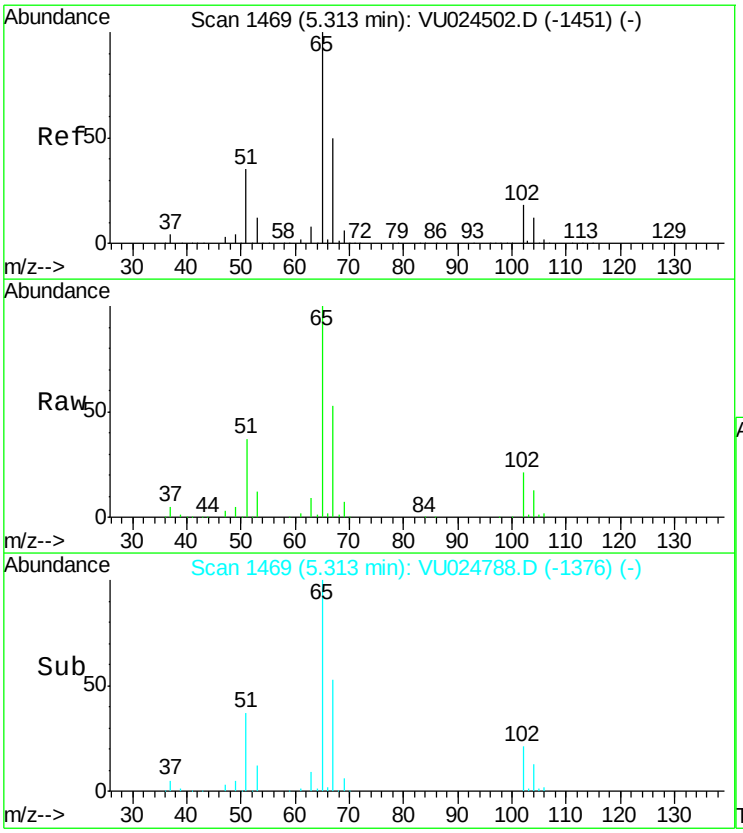

#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion: 56 Resp: 4263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 175.1 | 24.8 | 37.2# |
| 84 | 133.6 | 65.2 | 97.8# |

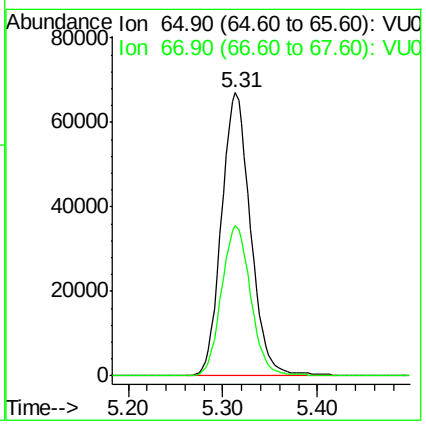


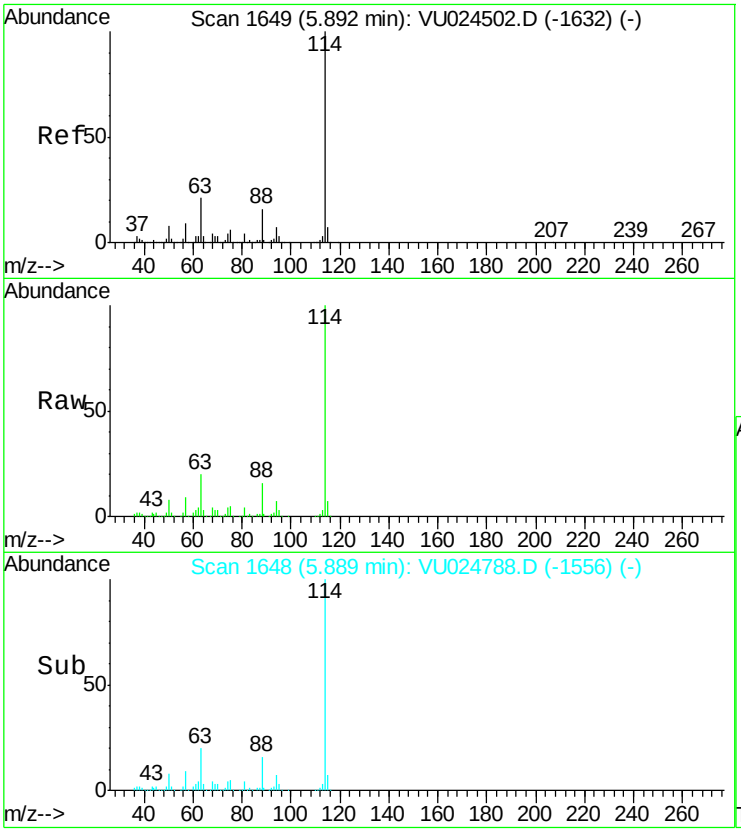




#33
1,2-Dichloroethane-d4
Concen: 42.759 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 65 Resp: 142961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 107.0 |



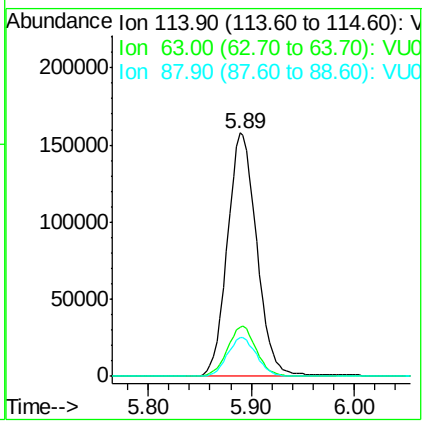


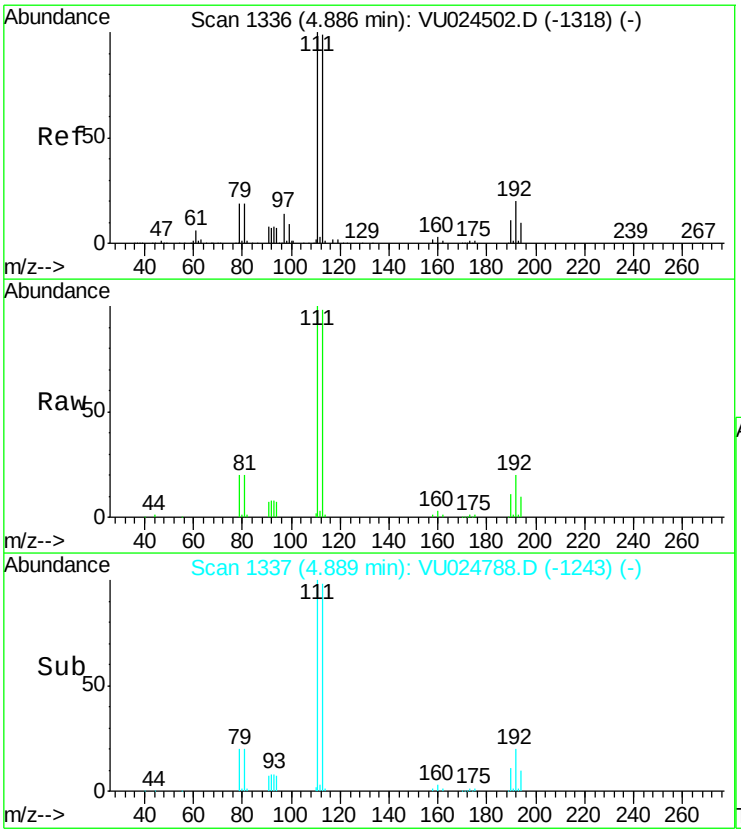

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion:114 Resp: 313486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 45.4 |
| 88 | 15.9 | 0.0 | 31.0 |

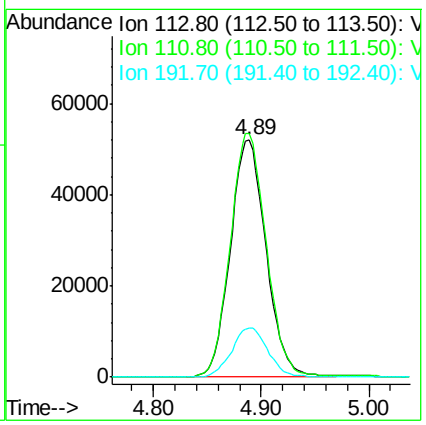


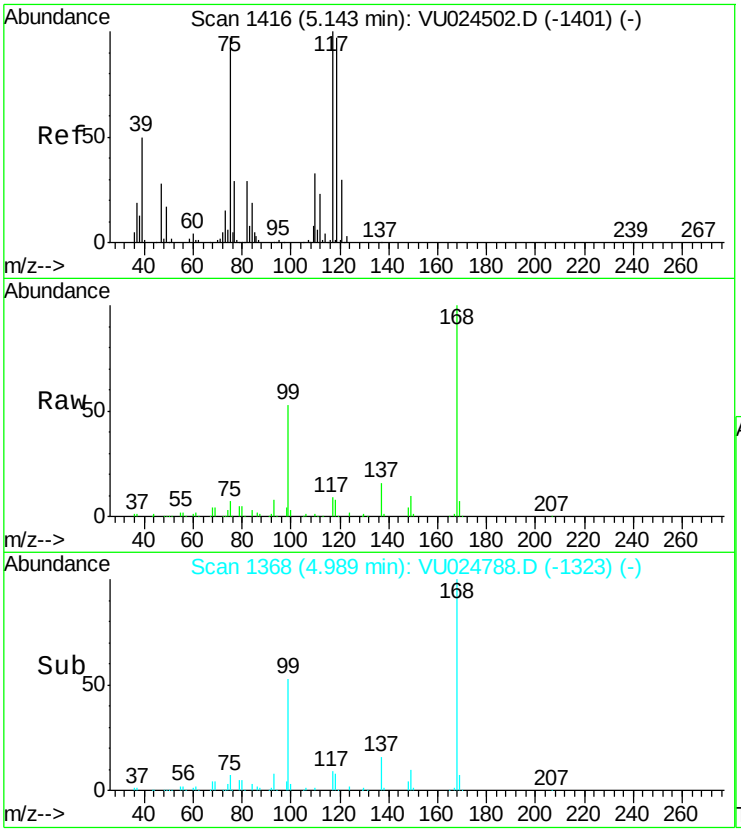




#35
Dibromofluoromethane
Concen: 46.095 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion:113 Resp: 119925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 82.2 | 123.4 |
| 192 | 21.1 | 16.2 | 24.4 |



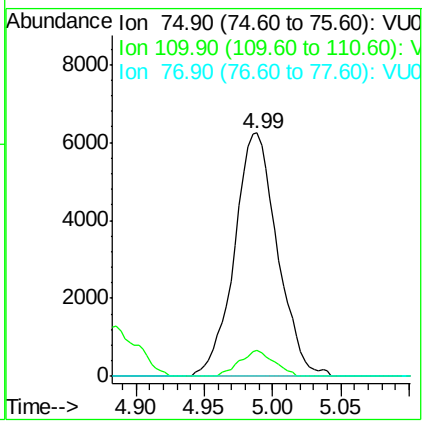


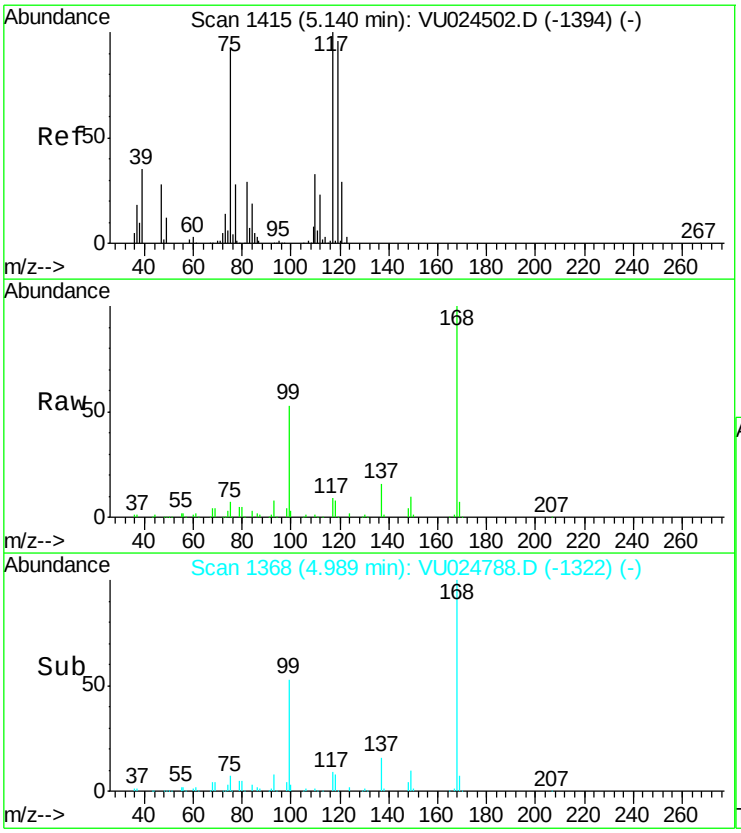

#36
1,1-Dichloropropene
Concen: 3.707 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion: 75 Resp: 13655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.7 | 17.0 | 50.9# |
| 77 | 0.0 | 24.2 | 36.4# |

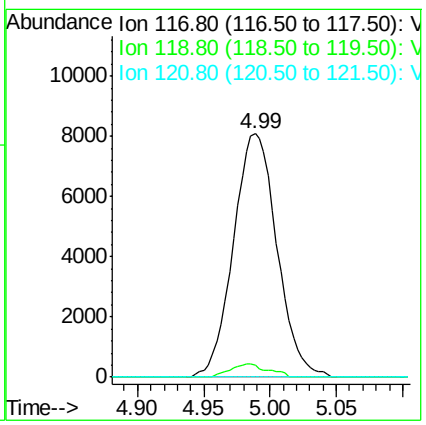


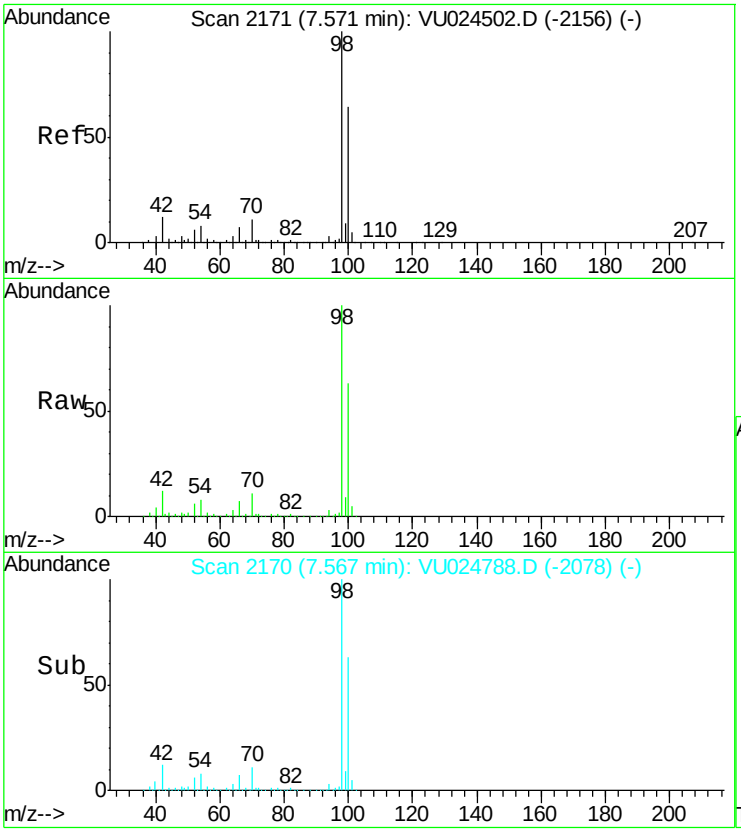




#38
Carbon Tetrachloride
Concen: 4.549 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion:117 Resp: 18427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.7 | 76.1 | 114.1# |
| 121 | 0.0 | 23.7 | 35.5# |



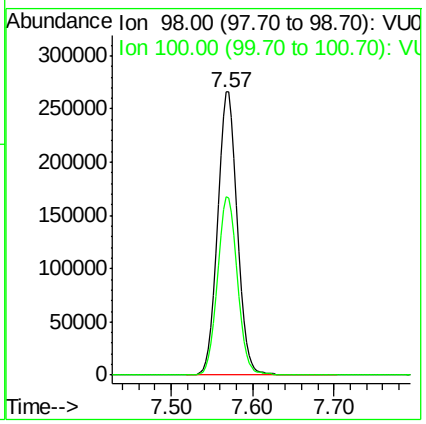


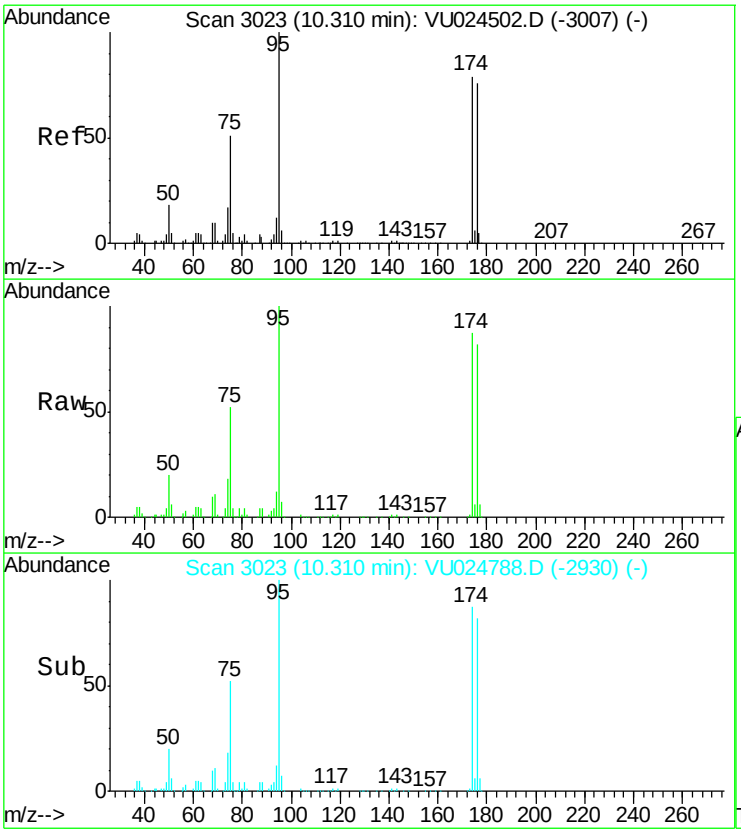

#50
Toluene-d8
Concen: 48.210 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion: 98 Resp: 457513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.1 | 76.7 |

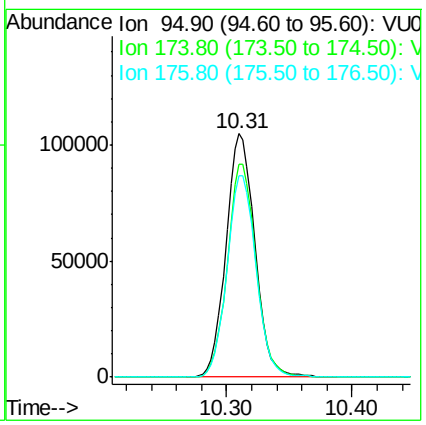


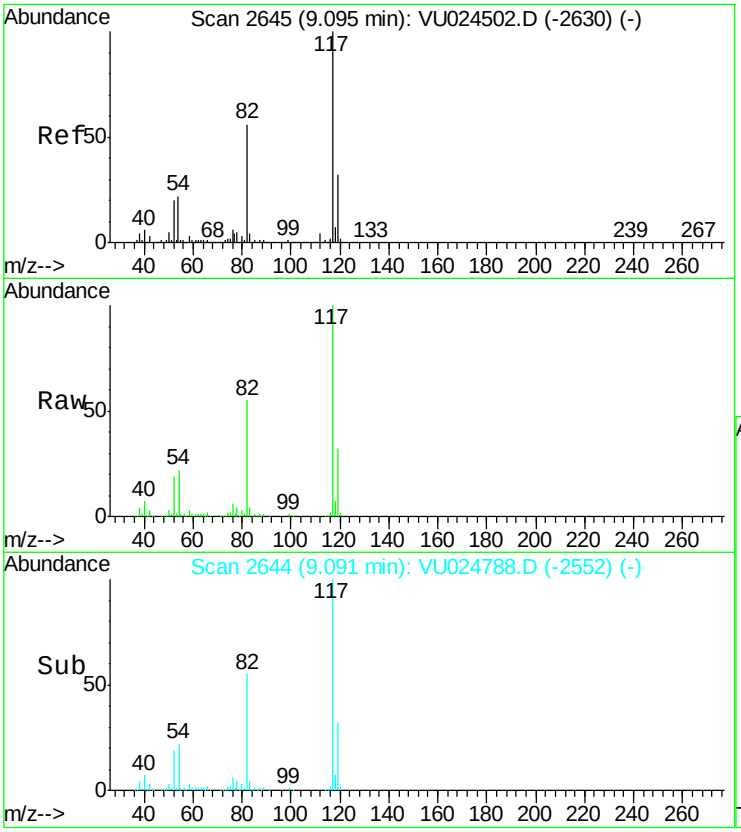




#62
4-Bromofluorobenzene
Concen: 44.662 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 95 Resp: 168280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.7 | 0.0 | 165.8 |
| 176 | 83.4 | 0.0 | 159.4 |



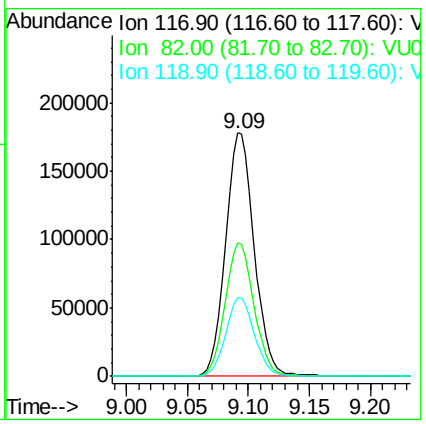


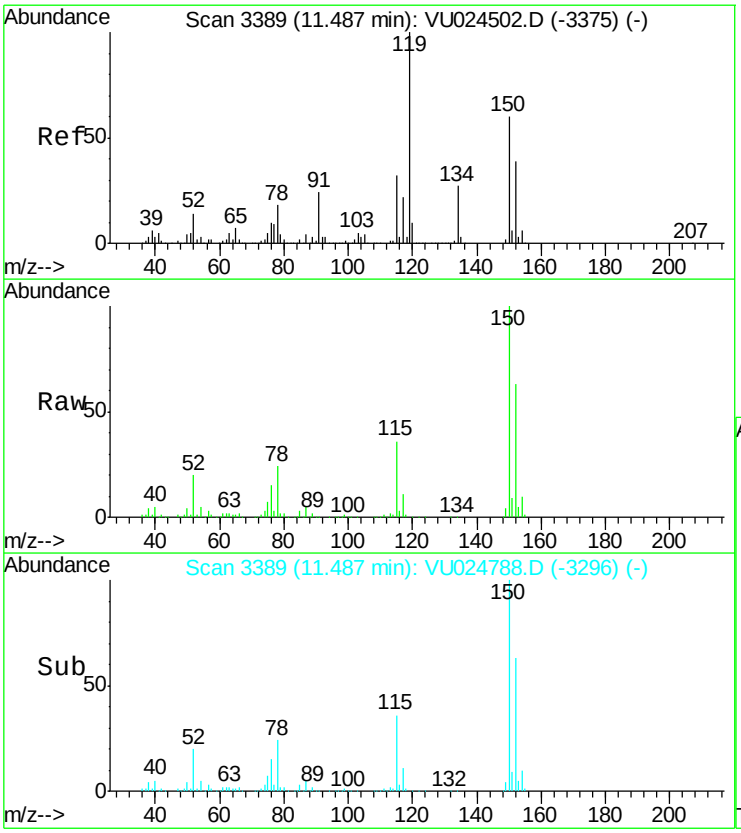

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :** MSVOA_U
**ClientSampleId :** CKMW22

Tgt Ion:117 Resp: 292996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.3 | 66.5 |
| 119 | 32.3 | 25.4 | 38.2 |

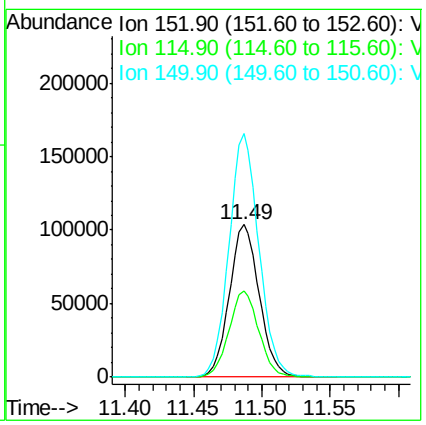


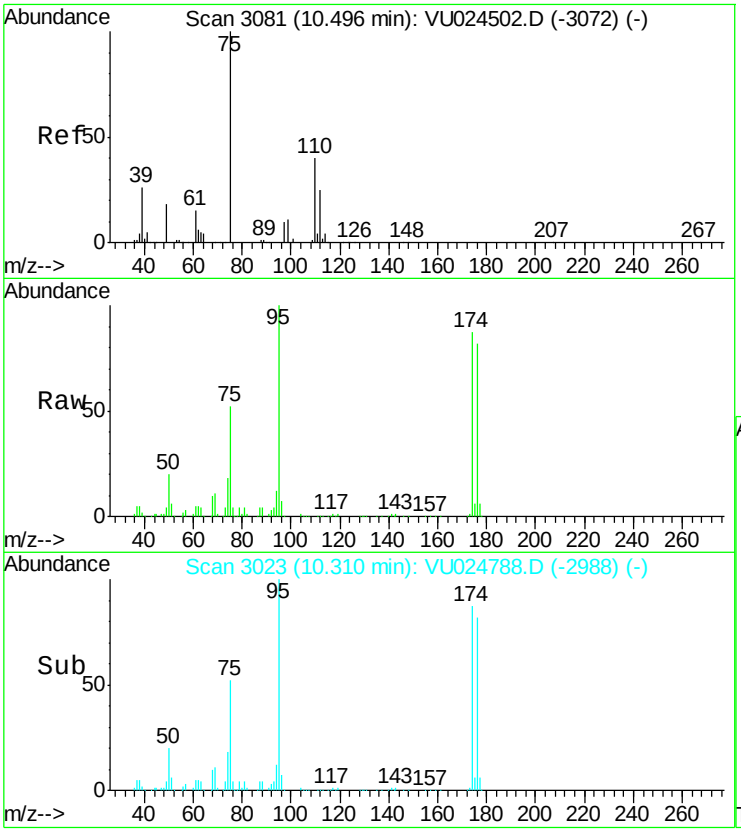




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion:152 Resp: 158356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 43.0 | 129.0 |
| 150 | 158.9 | 0.0 | 354.0 |



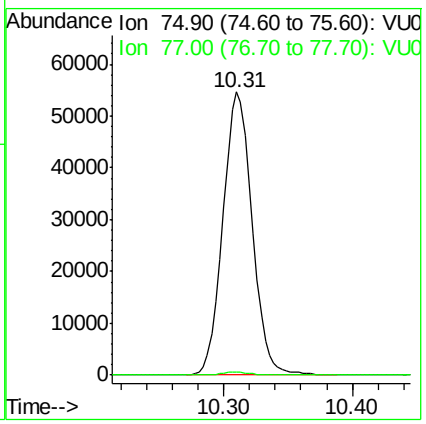


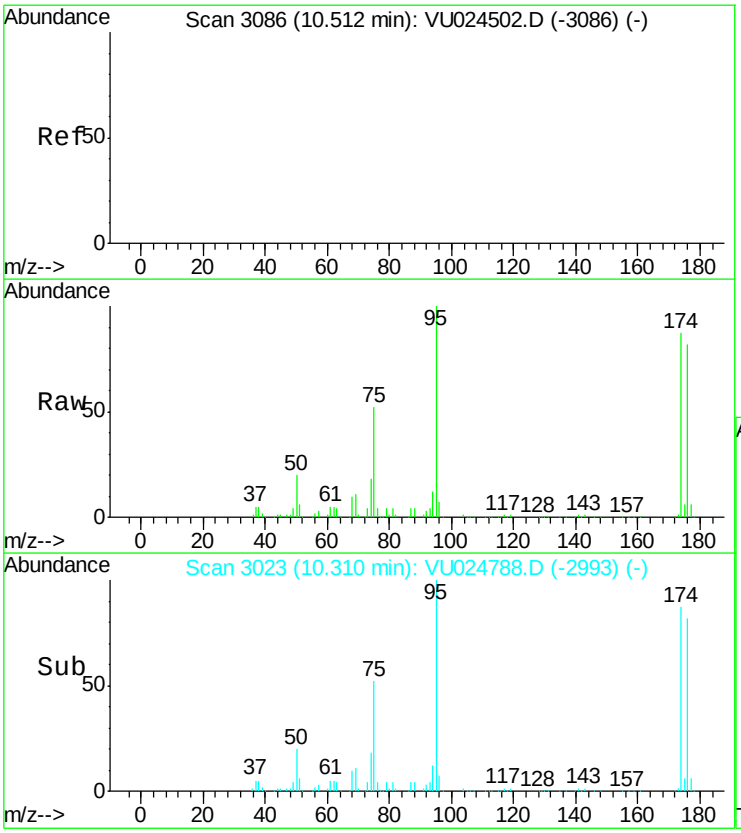

#76
1,2,3-Trichloropropane
Concen: 24.610 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
CKMW22

Tgt Ion: 75 Resp: 85802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.9 | 20.9 | 62.7# |

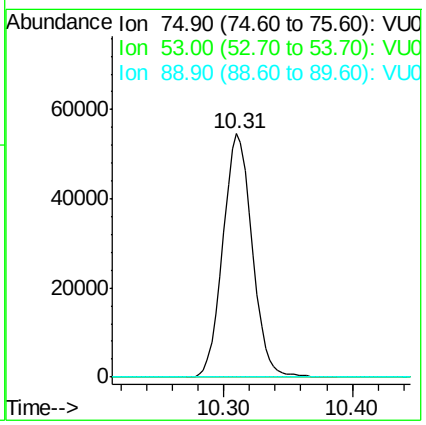


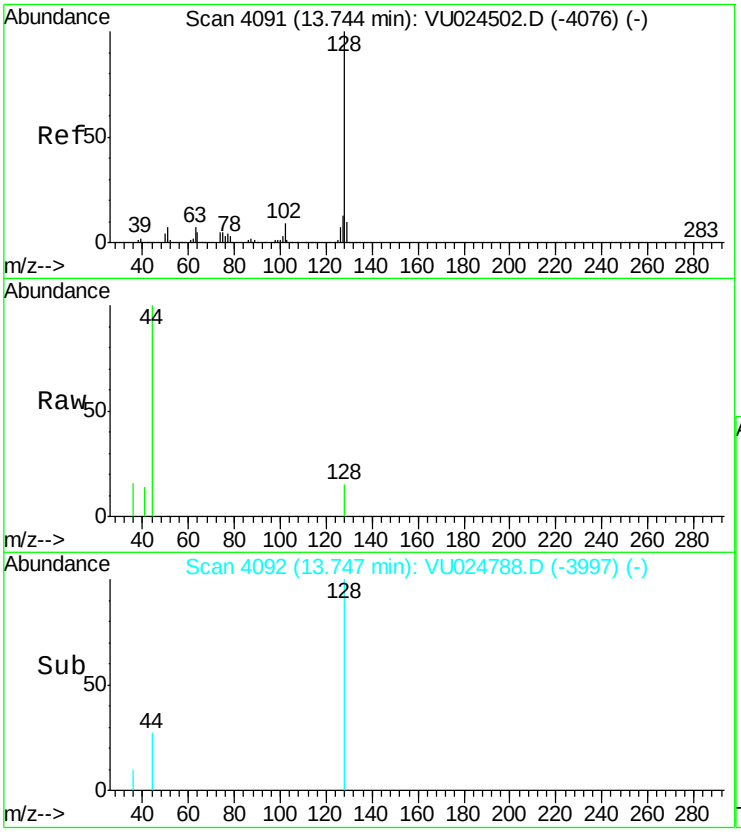




#81
trans-1,4-Dichloro-2-butene
Concen: 56.959 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

Tgt Ion: 75 Resp: 85802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 0.0 | 0.0 |
| 89 | 0.0 | 0.0 | 0.0 |






#95
Naphthalene
Concen: 0.685 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024788.D
Acq: 21 Jun 2018 04:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
CKMW22

Tgt Ion:128 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.6 | 16.0# |
| 129 | 0.0 | 8.6 | 12.8# |