Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091323\
Data File : VD077108.D
Acq On : 13 Sep 2023 16:46
Operator : JC/SY
Sample : 04417-04
Misc : 6.61G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 14 01:26:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.775 | 114 | 268663 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 261482 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.516 | 152 | 108309 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.270 | 65 | 155422 | 23.477 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 93.920% | | | |
| 7) Chloroethane-d5 | 2.793 | 69 | 133644 | 24.549 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 98.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.905 | 65 | 33222 | 22.092 | ug/L | -0.01 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 88.360% | | | |
| 21) 2-Butanone-d5 | 6.981 | 46 | 34830 | 41.764 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 83.520% | | | |
| 24) Chloroform-d | 7.569 | 84 | 29561 | 4.021 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 16.080%# | | | |
| 26) 1,2-Dichloroethane-d4 | 8.222 | 65 | 90642 | 26.014 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 104.040% | | | |
| 32) Benzene-d6 | 8.199 | 84 | 343073 | 23.755 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 95.040% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 105910 | 25.572 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 102.280% | | | |
| 41) Toluene-d8 | 10.269 | 98 | 295169 | 22.327 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 89.320% | | | |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79 | 41340 | 21.907 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 87.640% | | | |
| 47) 2-Hexanone-d5 | 10.875 | 63 | 23785 | 35.957 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 71.920% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 748 | 0.203 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 0.800%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.816 | 152 | 94700 | 27.241 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 108.960% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) Acetone | 4.022 | 43 | 3511 | 2.935 | ug/L | 86 |
| 14) Carbon disulfide | 4.258 | 76 | 59002 | 5.052 | ug/L | 99 |
| 16) Methylene chloride | 4.781 | 84 | 5040 | 0.922 | ug/L | 83 |
| 25) Chloroform | 7.593 | 83 | 145949 | 19.735 | ug/L | 94 |
| 33) Benzene | 8.246 | 78 | 10187 | 0.649 | ug/L | 100 |
| 34) Trichloroethene | 9.022 | 95 | 11123 | 2.671 | ug/L | 83 |
| 39) cis-1,3-Dichloropropene | 9.975 | 75 | 3016 | 0.479 | ug/L | 88 |
| 42) Toluene | 10.334 | 91 | 9867 | 0.580 | ug/L # | 73 |
| 61) 1,2,3-Trichloropropane | 13.516 | 75 | 11677 | 5.648 | ug/L # | 62 |
| 71) Naphthalene | 15.334 | 128 | 19511 | 2.602 | ug/L | 100 |

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

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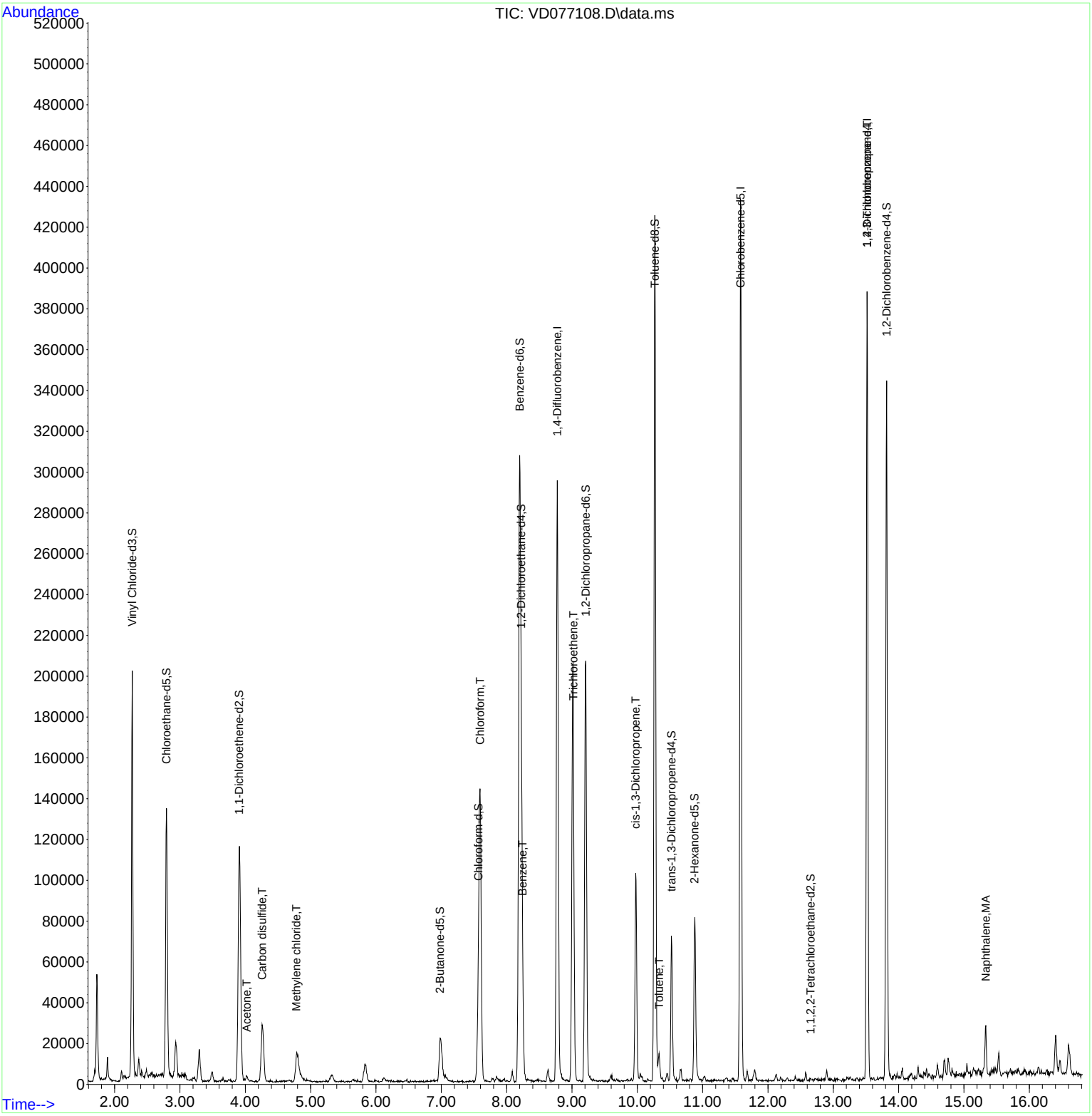
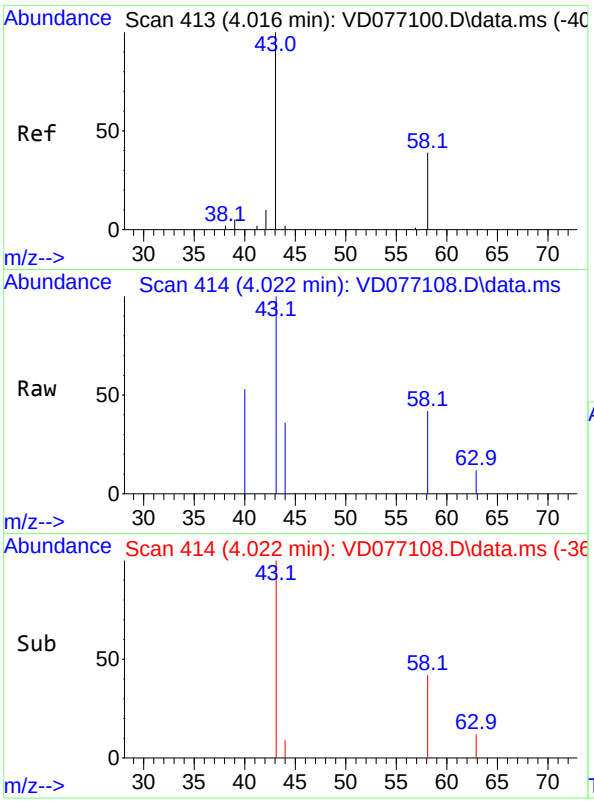
Acq On : 13 Sep 2023 16:46
Operator : JC/SY
Sample : 04417-04
Misc : 6.61G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 14 01:26:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration



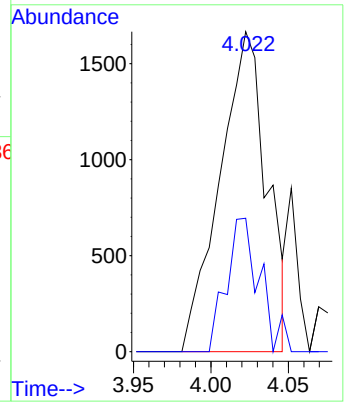


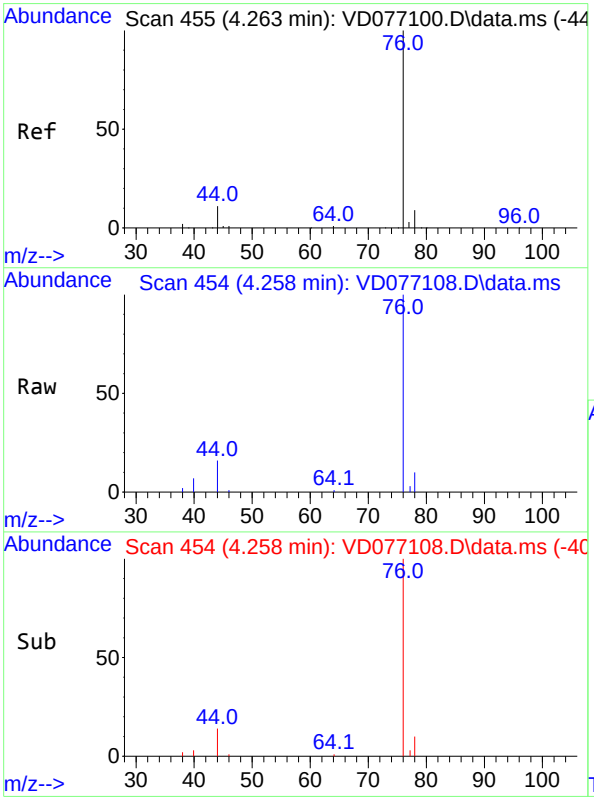

#13
Acetone
Concen: 2.935 ug/L
RT: 4.022 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

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

Tgt Ion: 43 Resp: 3511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 0.0 | 71.8 |

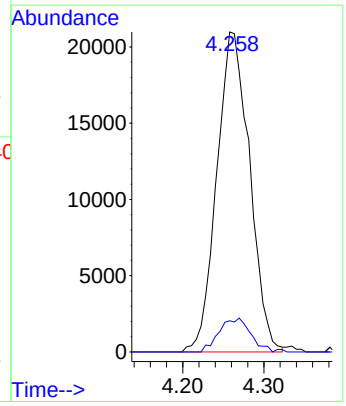


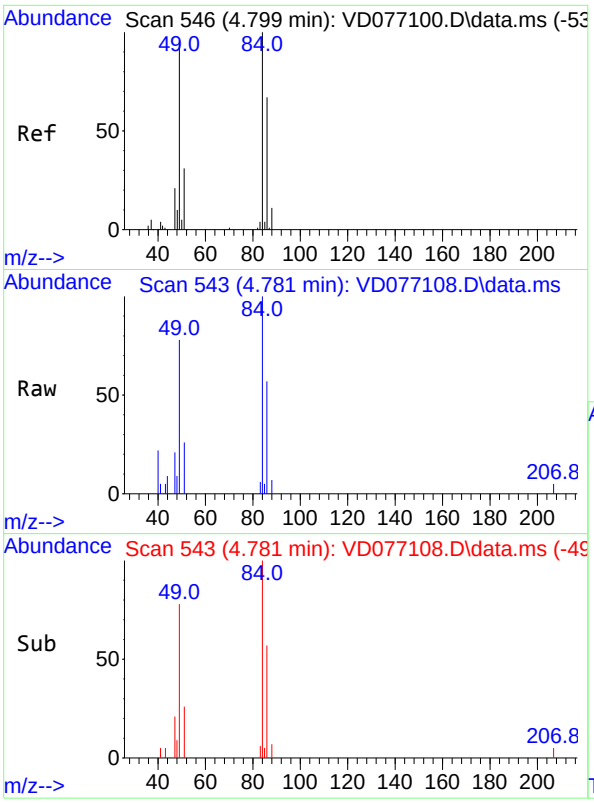




#14
Carbon disulfide
Concen: 5.052 ug/L
RT: 4.258 min Scan# 454
Delta R.T. -0.012 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

Tgt Ion: 76 Resp: 59002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 7.5 | 11.3 |



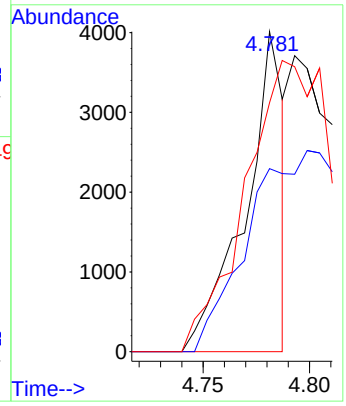


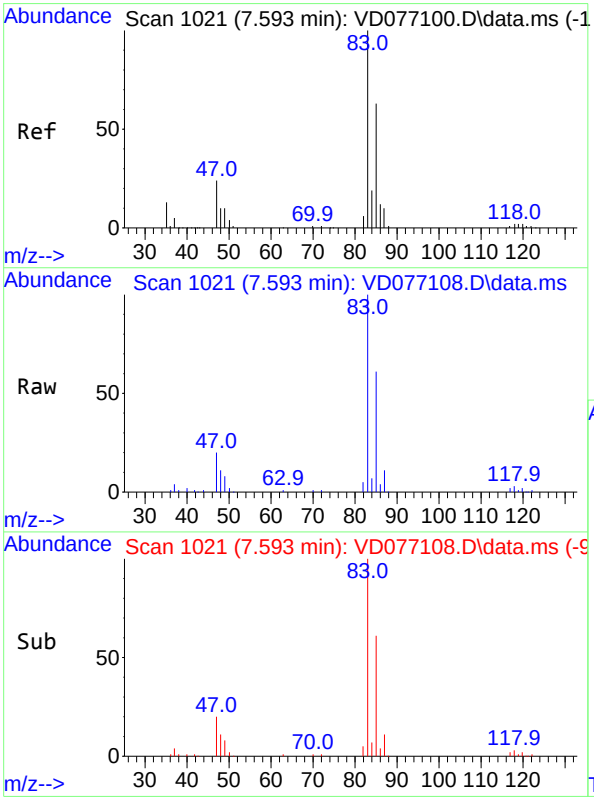

#16
Methylene chloride
Concen: 0.922 ug/L
RT: 4.781 min Scan# 54
Delta R.T. -0.023 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

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

Tgt Ion: 84 Resp: 5040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 57.2 | 45.3 | 84.1 |
| 49 | 77.8 | 69.2 | 128.6 |

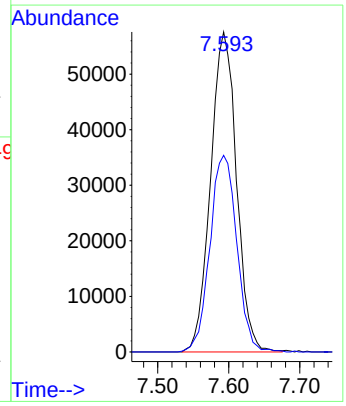


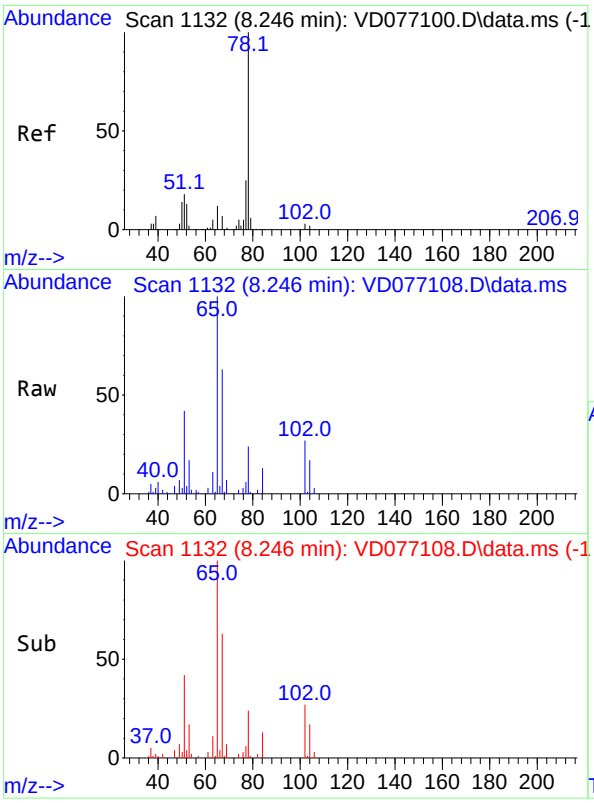




#25
Chloroform
Concen: 19.735 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

Tgt Ion: 83 Resp: 145949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.4 | 46.2 | 85.8 |

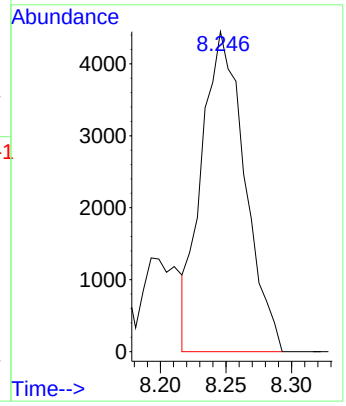


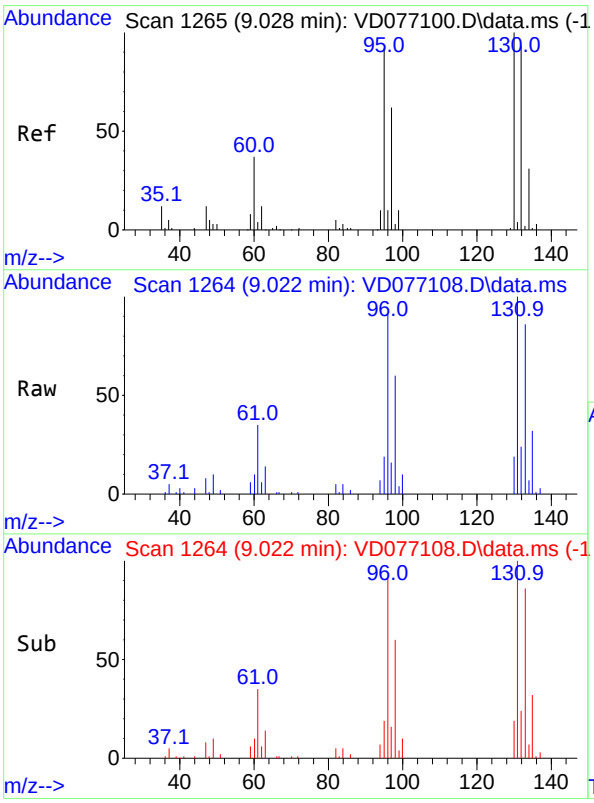



#33
Benzene
Concen: 0.649 ug/L
RT: 8.246 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

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

Tgt Ion: 78 Resp: 10187

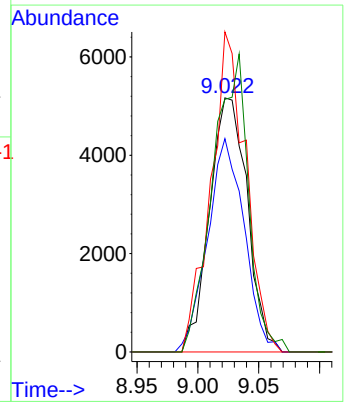


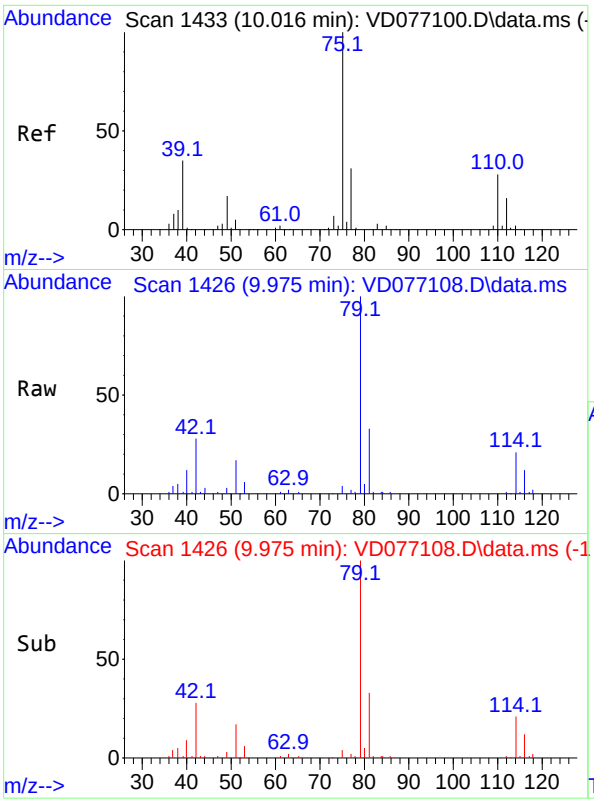




#34
Trichloroethene
Concen: 2.671 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

Tgt Ion: 95 Resp: 11123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 84.0 | 46.4 | 86.2 |
| 132 | 126.0 | 70.1 | 130.1 |
| 130 | 99.5 | 72.4 | 134.5 |



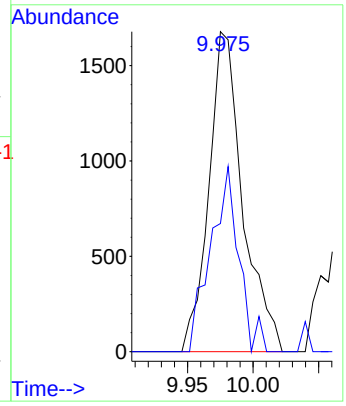


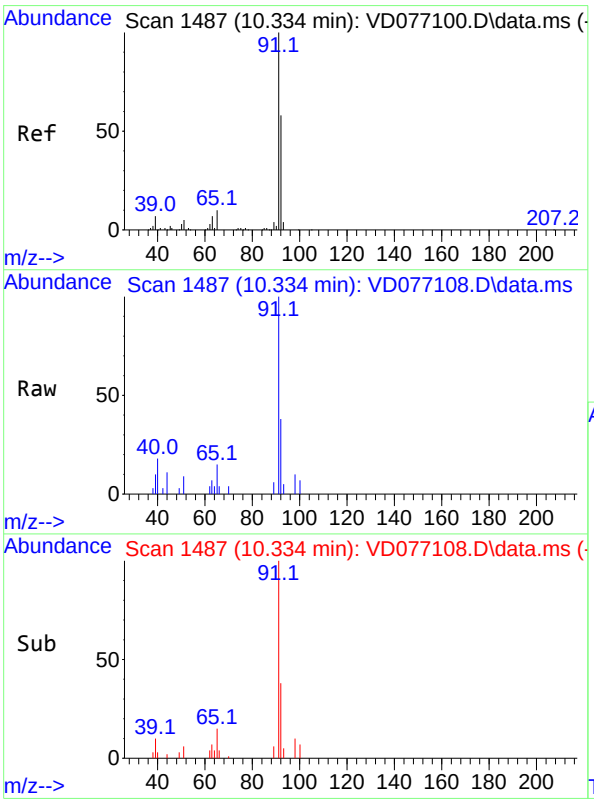

#39
cis-1,3-Dichloropropene
Concen: 0.479 ug/L
RT: 9.975 min Scan# 14
Delta R.T. -0.041 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

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

Tgt Ion: 75 Resp: 3016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.0 | 23.2 | 43.2 |

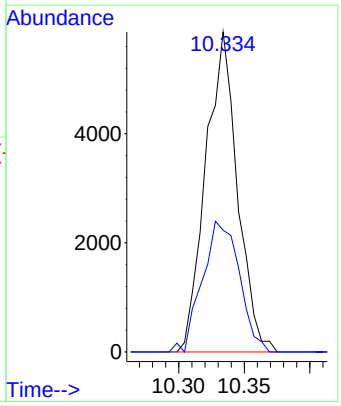


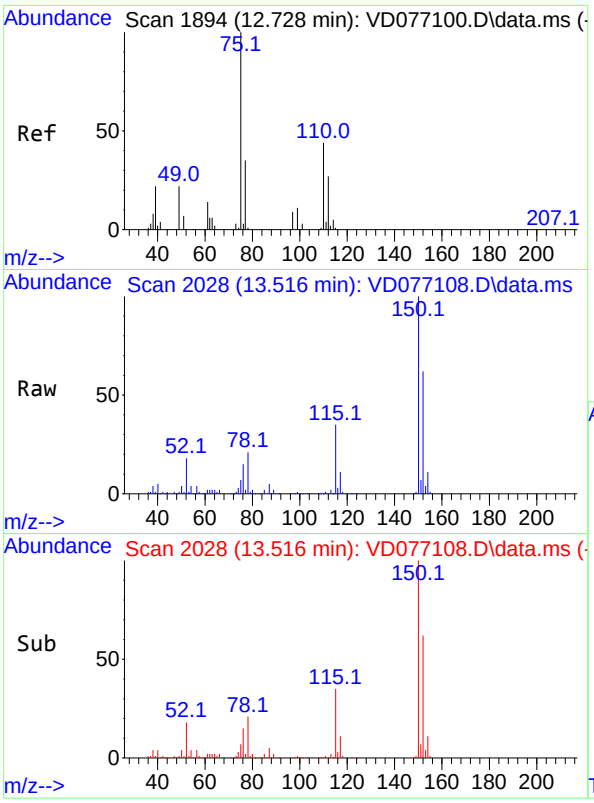




#42
Toluene
Concen: 0.580 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

Tgt Ion: 91 Resp: 9867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 38.0 | 40.8 | 75.8# |



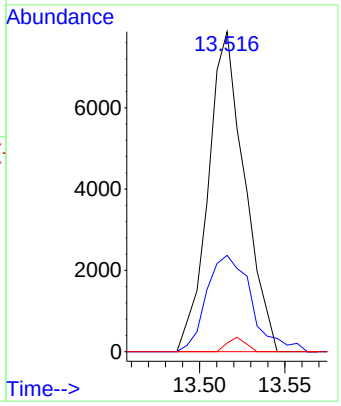


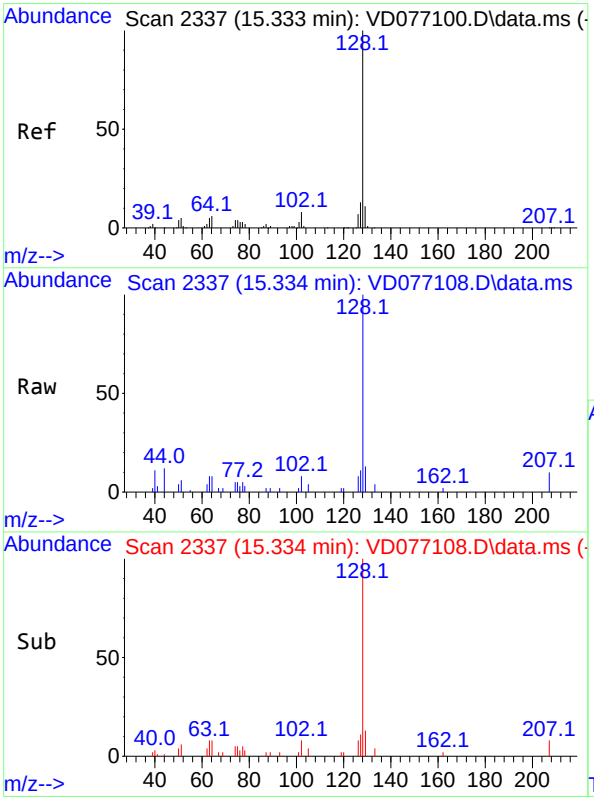

#61
1,2,3-Trichloropropane
Concen: 5.648 ug/L
RT: 13.516 min Scan# 2
Delta R.T. 0.788 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

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

Tgt Ion: 75 Resp: 11677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.3 | 26.6 | 40.0 |
| 110 | 2.3 | 33.6 | 50.4# |




#71
Naphthalene
Concen: 2.602 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077108.D
Acq: 13 Sep 2023 16:46

Tgt Ion:128 Resp: 19511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.6 | 16.0 |
| 129 | 10.8 | 8.6 | 13.0 |