Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032720\
Data File : VD065535.D
Acq On : 27 Mar 2020 10:49
Operator : VA/SY
Sample : VD0327SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 30 06:31:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 447238 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.87 | 114 | 717400 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.65 | 117 | 652678 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152 | 281986 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.33 | 65 | 216411 | 58.13 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 116.26% | | | | |
| 35) Dibromofluoromethane | 7.92 | 113 | 228198 | 51.53 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.06% | | | | |
| 50) Toluene-d8 | 10.34 | 98 | 841434 | 50.61 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.22% | | | | |
| 62) 4-Bromofluorobenzene | 12.64 | 95 | 237816 | 45.07 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.14% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.99 | 85 | 2860 | Below Cal | | | 76 |
| 3) Chloromethane | 2.21 | 50 | 1807 | Below Cal | | # | 84 |
| 5) Bromomethane | 2.79 | 94 | 1512 | Below Cal | | | 95 |
| 16) Acetone | 4.17 | 43 | 4750 | 6.762 | ug/l | # | 76 |
| 20) Methylene Chloride | 4.96 | 84 | 10267 | Below Cal | | | 88 |
| 25) 2-Butanone | 7.21 | 43 | 3227 | 3.383 | ug/l | # | 83 |
| 31) Cyclohexane | 7.97 | 56 | 10331 | 1.476 | ug/l | # | 2 |
| 51) 4-Methyl-2-Pentanone | 10.24 | 43 | 7827 | 3.404 | ug/l | | 91 |
| 56) Ethyl methacrylate | 10.66 | 69 | 99 | 3.315 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.64 | 75 | 115269 | 53.170 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75 | 115269 | 118.685 | ug/l | # | 13 |
| 95) Naphthalene | 15.41 | 128 | 4073 | 4.750 | ug/l | | 97 |

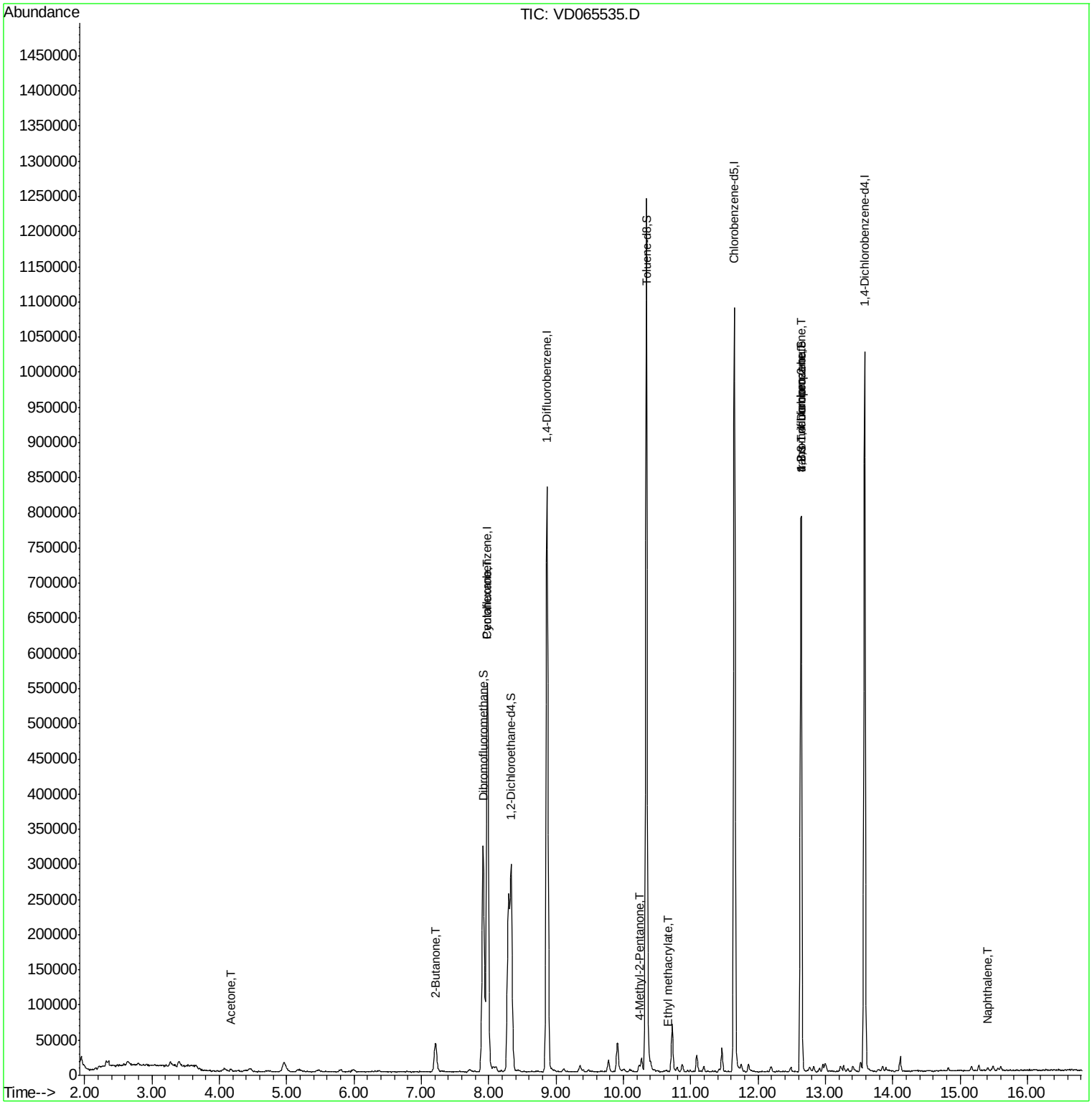
(#) = qualifier out of range (m) = manual integration (+) = signals summed

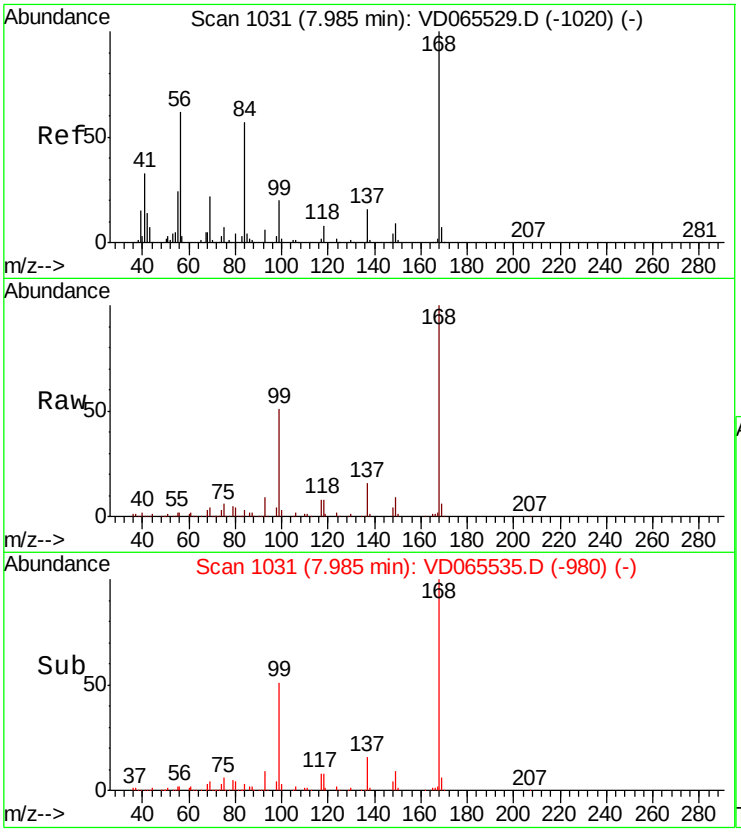
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032720\
Data File : VD065535.D
Acq On : 27 Mar 2020 10:49
Operator : VA/SY
Sample : VD0327SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 30 06:31:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration



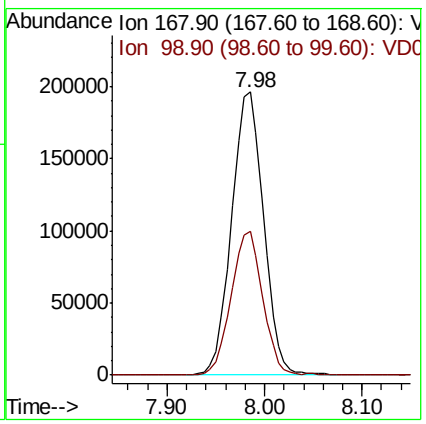


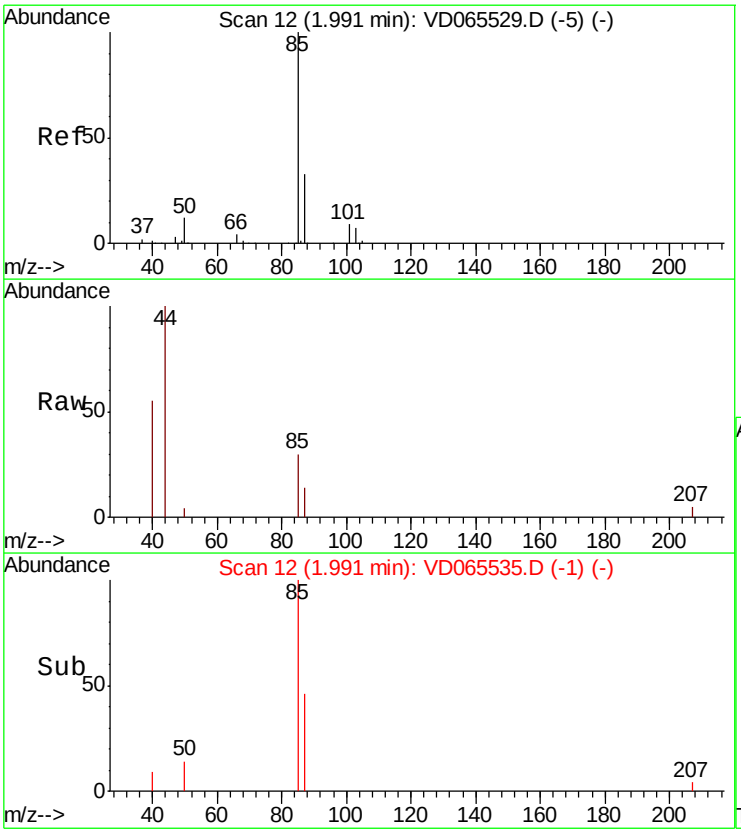

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion:168 Resp: 447238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.5 | 39.1 | 58.7 |

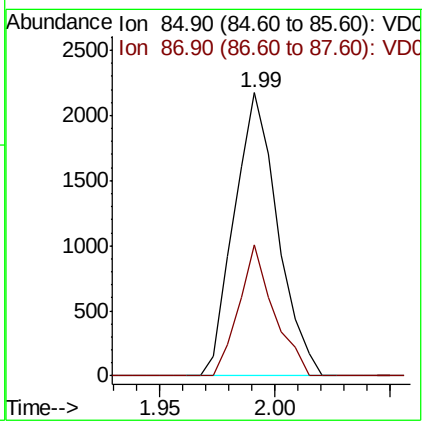


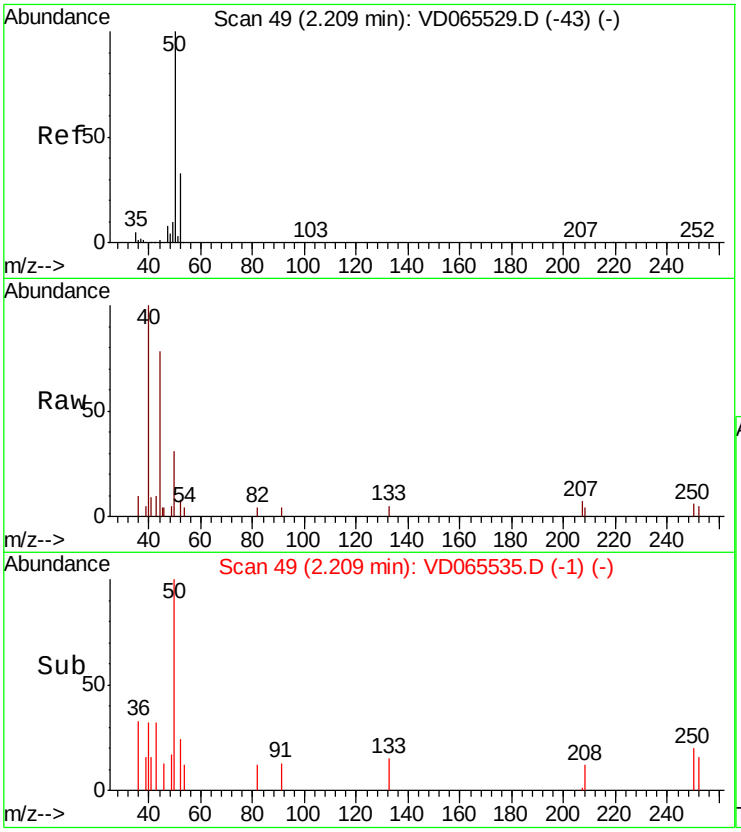




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 85 Resp: 2860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 46.2 | 16.4 | 49.2 |



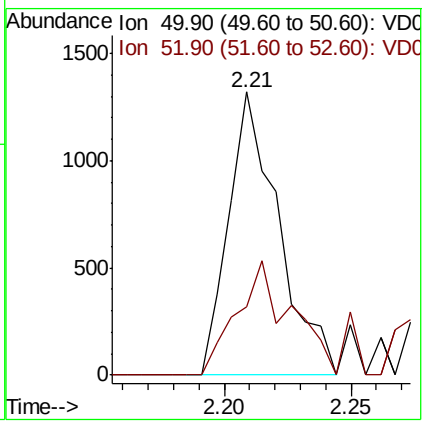


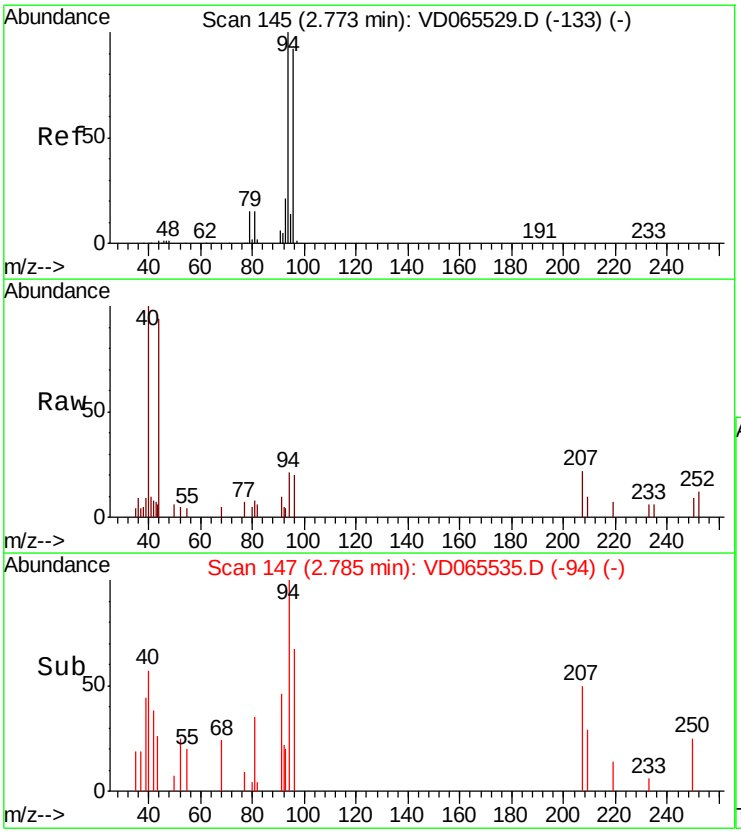

#3
Chloromethane
Concen: Below Cal
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 50 Resp: 1807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.9 | 26.3 | 39.5# |

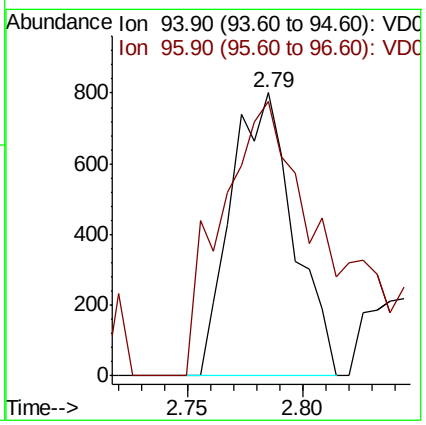


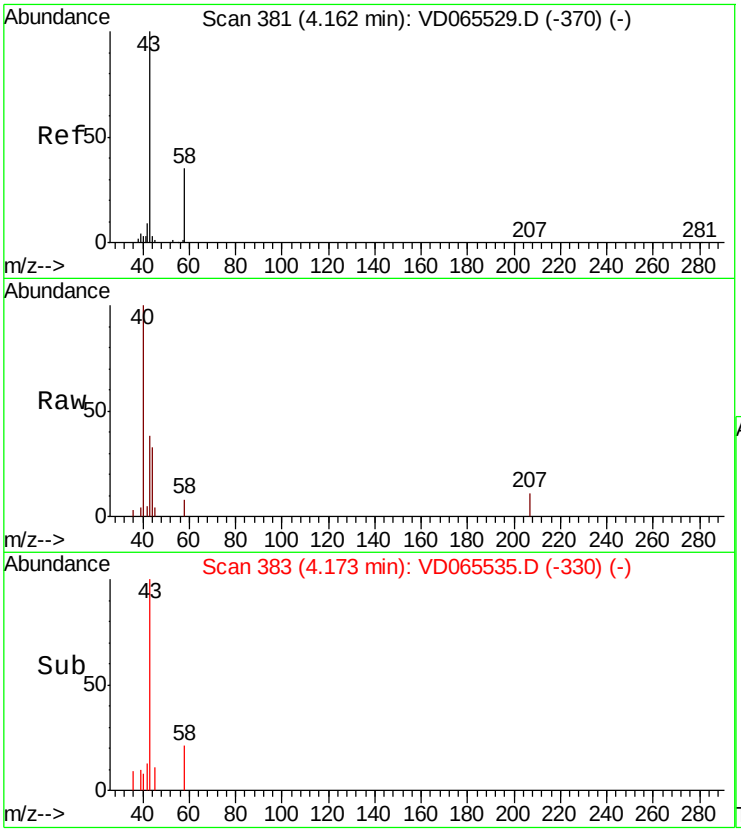




#5
Bromomethane
Concen: Below Cal
RT: 2.79 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 94 Resp: 1512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.8 | 73.4 | 110.2 |



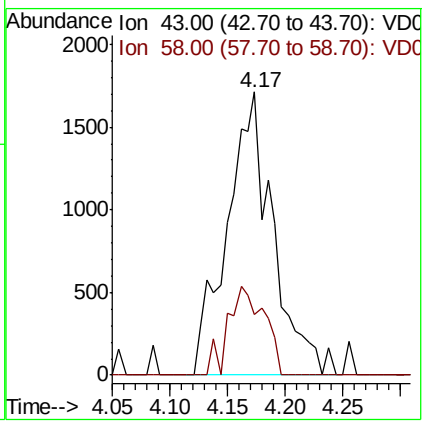


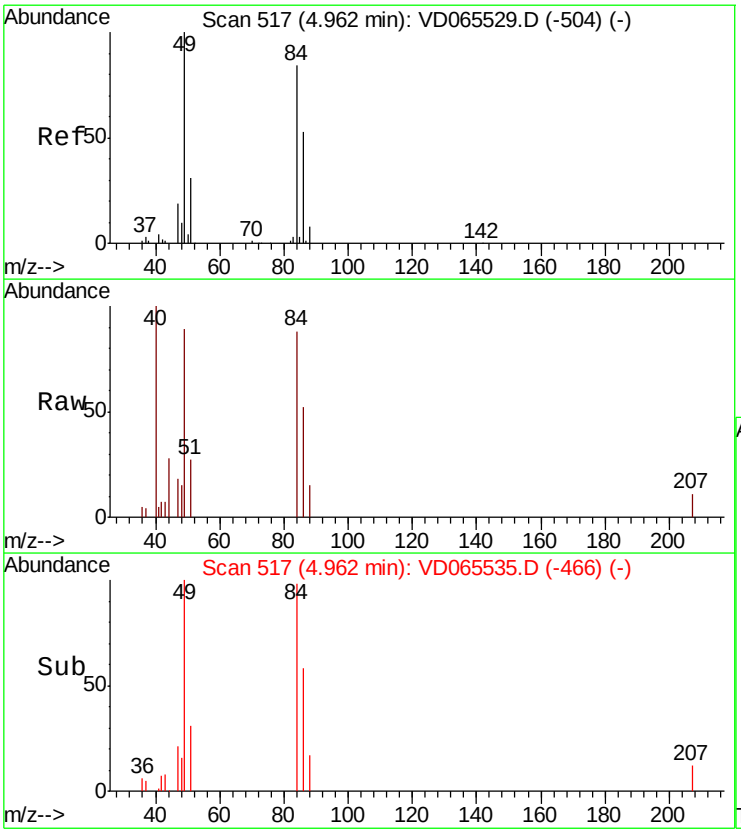

#16
Acetone
Concen: 6.762 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 43 Resp: 4750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.3 | 27.9 | 41.9# |

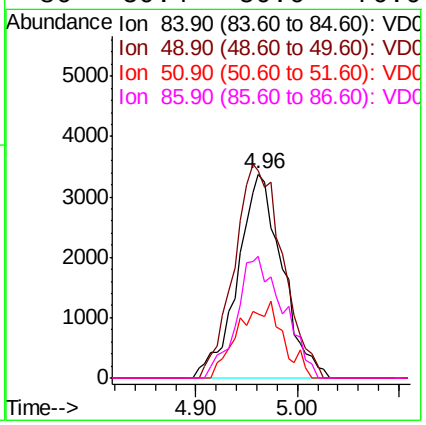


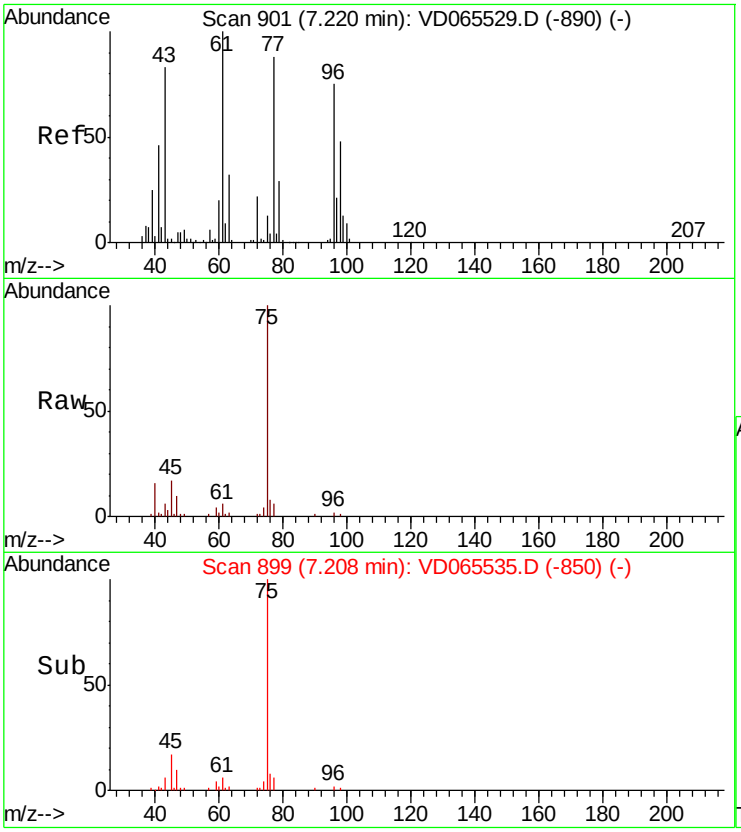




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 84 Resp: 10267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 101.9 | 95.6 | 143.4 |
| 51 | 31.2 | 29.4 | 44.2 |
| 86 | 59.4 | 50.6 | 76.0 |



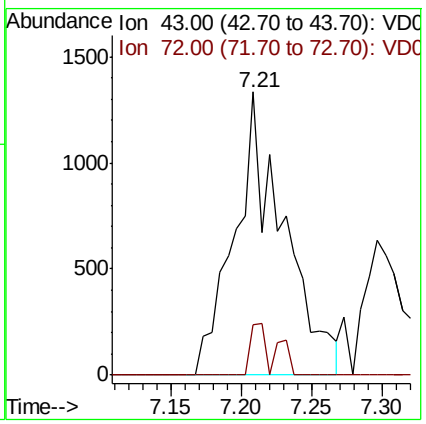


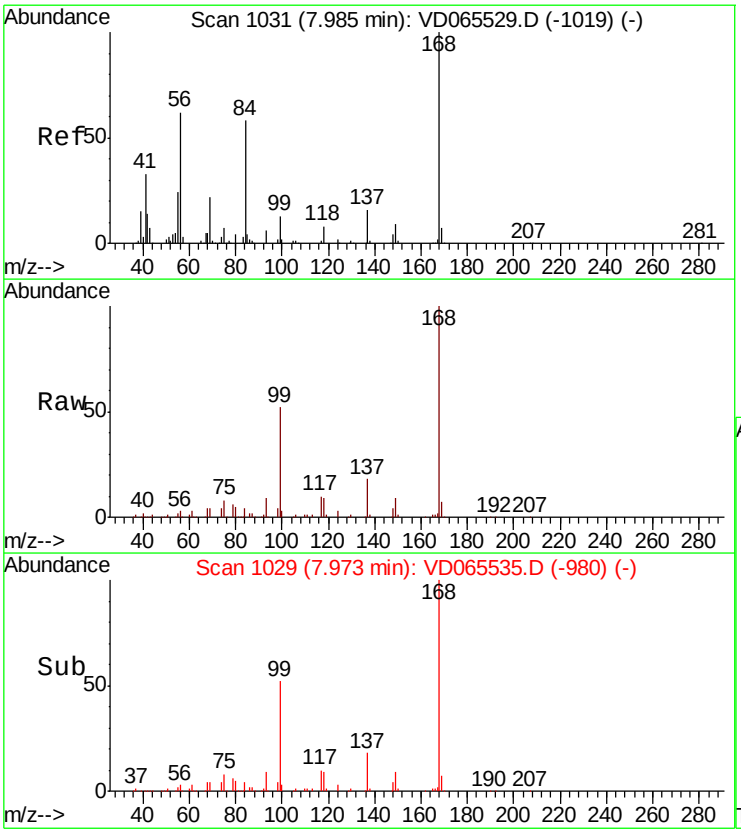

#25
2-Butanone
Concen: 3.383 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 43 Resp: 3227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.9 | 21.5 | 32.3# |

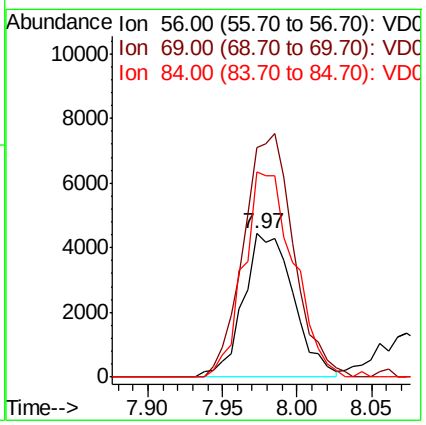


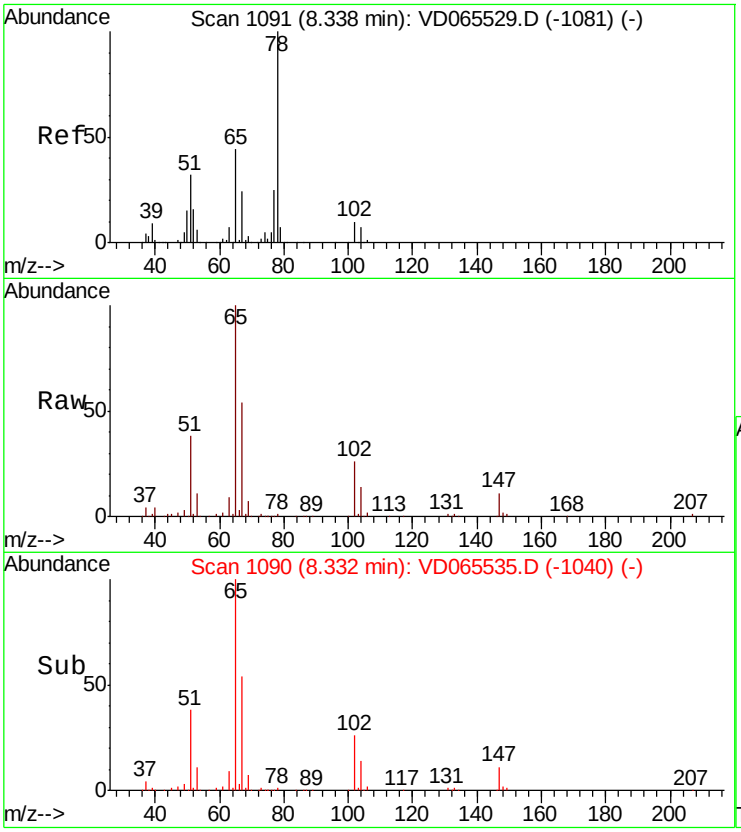




#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 56 Resp: 10331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 160.2 | 28.2 | 42.4# |
| 84 | 143.0 | 73.4 | 110.0# |



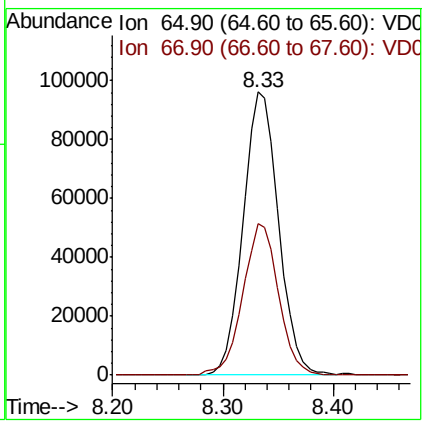


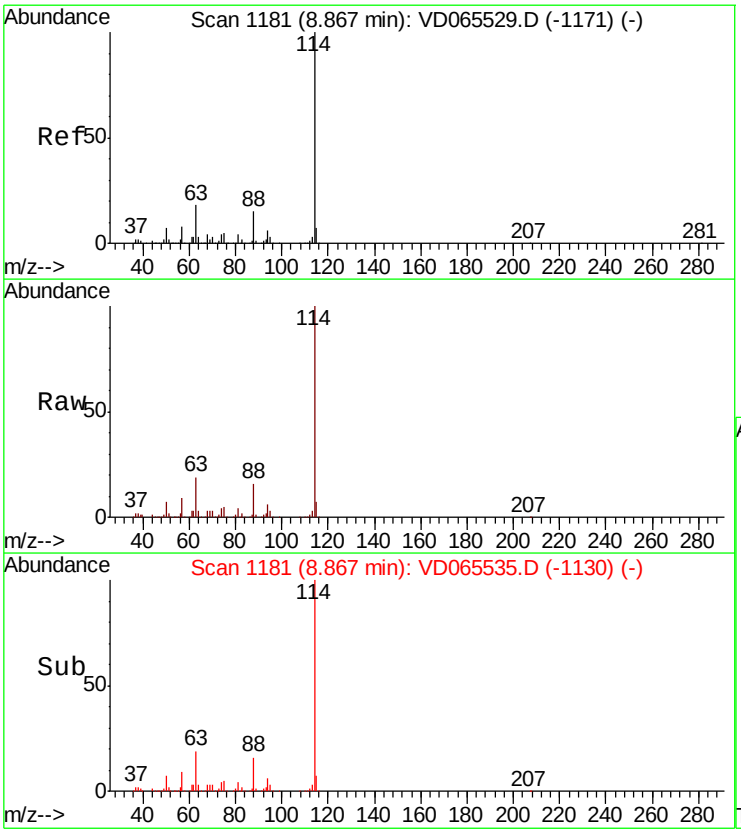

#33
1,2-Dichloroethane-d4
Concen: 58.129 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 65 Resp: 216411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.0 | 0.0 | 107.6 |

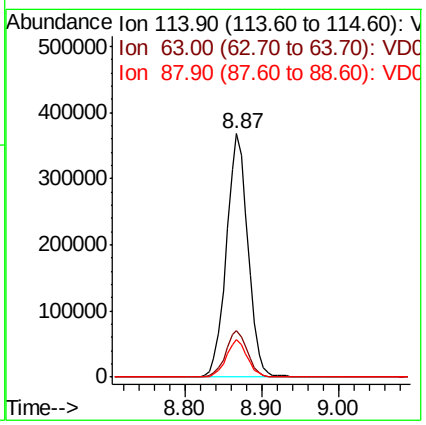


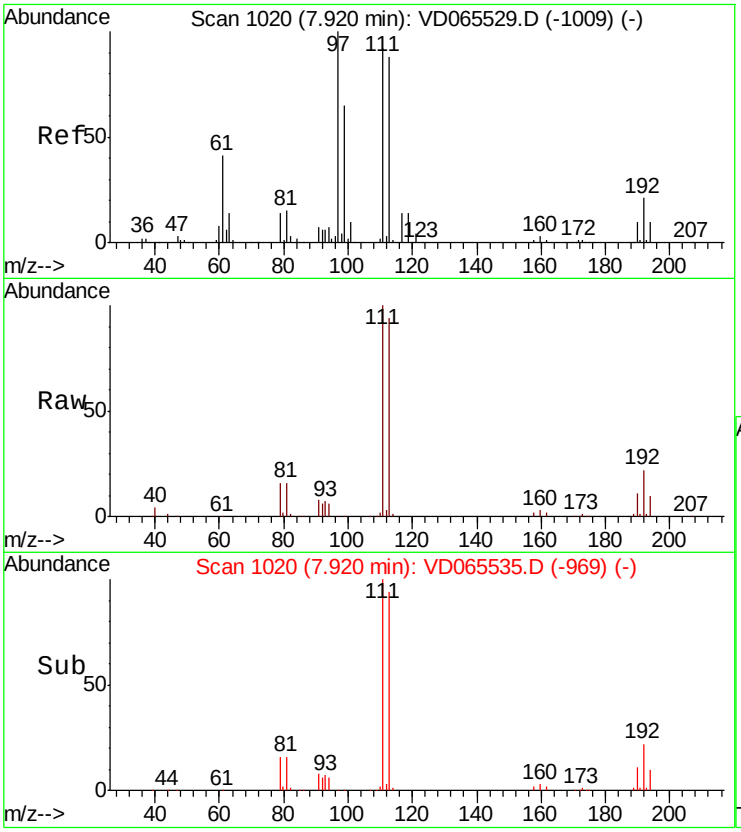




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion:114 Resp: 717400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 37.0 |
| 88 | 15.6 | 0.0 | 30.4 |



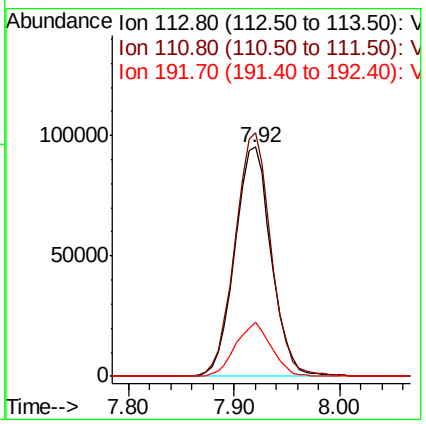


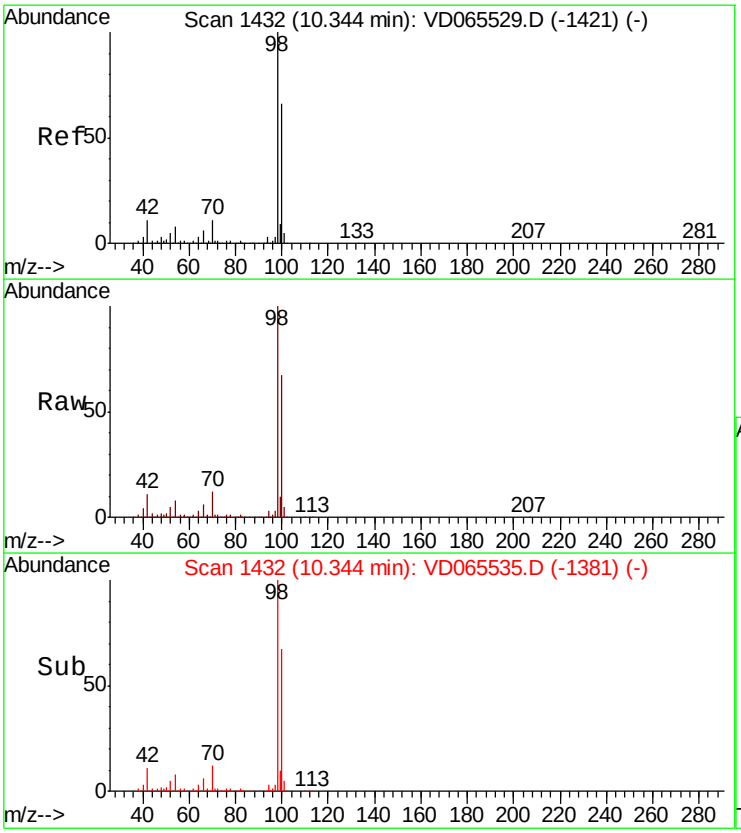

#35
Dibromofluoromethane
Concen: 51.534 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion:113 Resp: 228198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.3 | 83.3 | 124.9 |
| 192 | 22.9 | 18.5 | 27.7 |

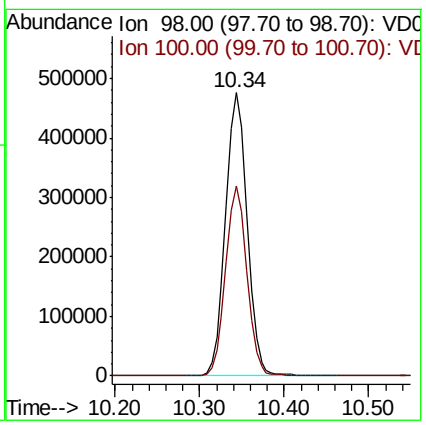


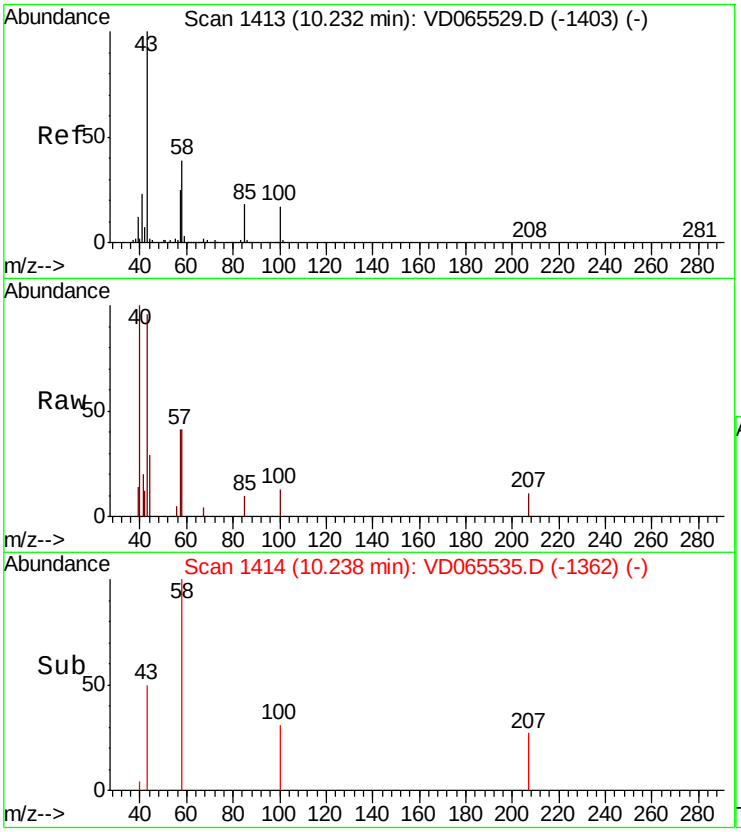




#50
Toluene-d8
Concen: 50.614 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 98 Resp: 841434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 52.2 | 78.2 |



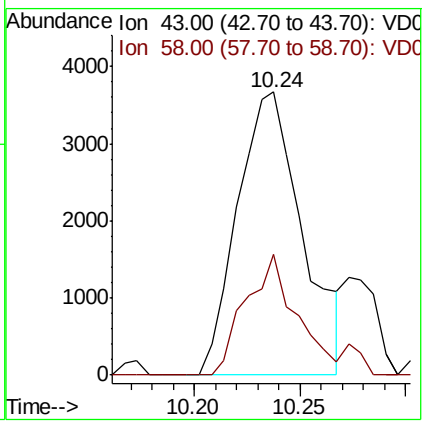


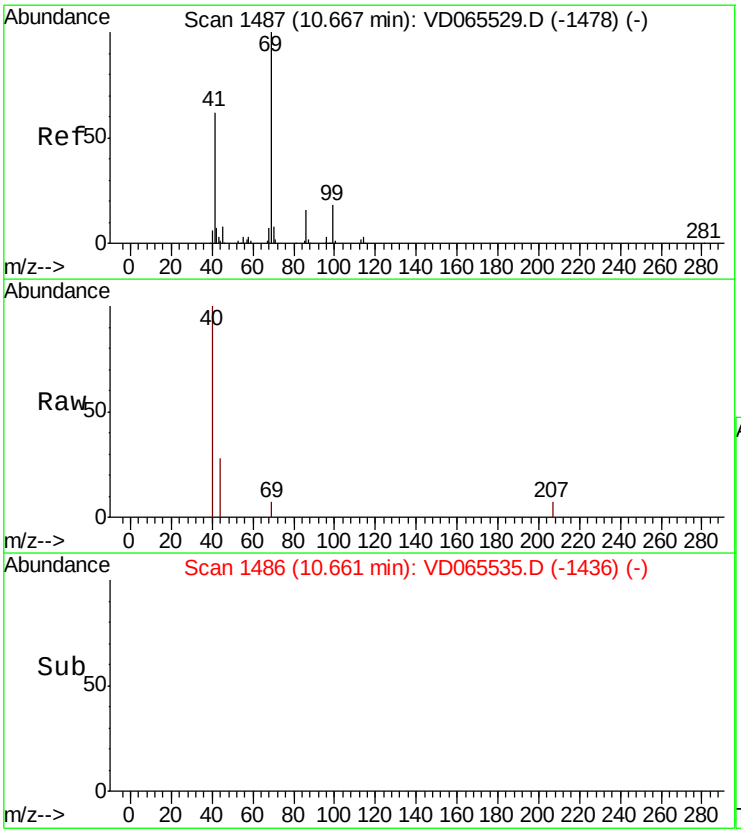

#51
4-Methyl-2-Pentanone
Concen: 3.404 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 43 Resp: 7827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.5 | 31.4 | 47.2 |

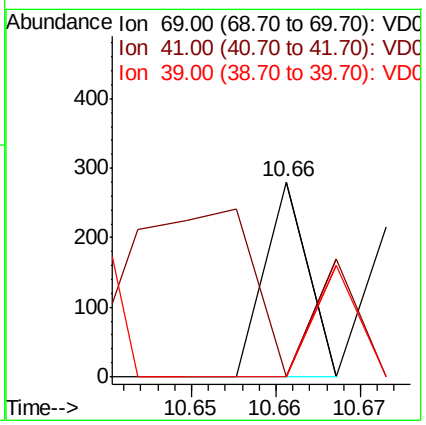


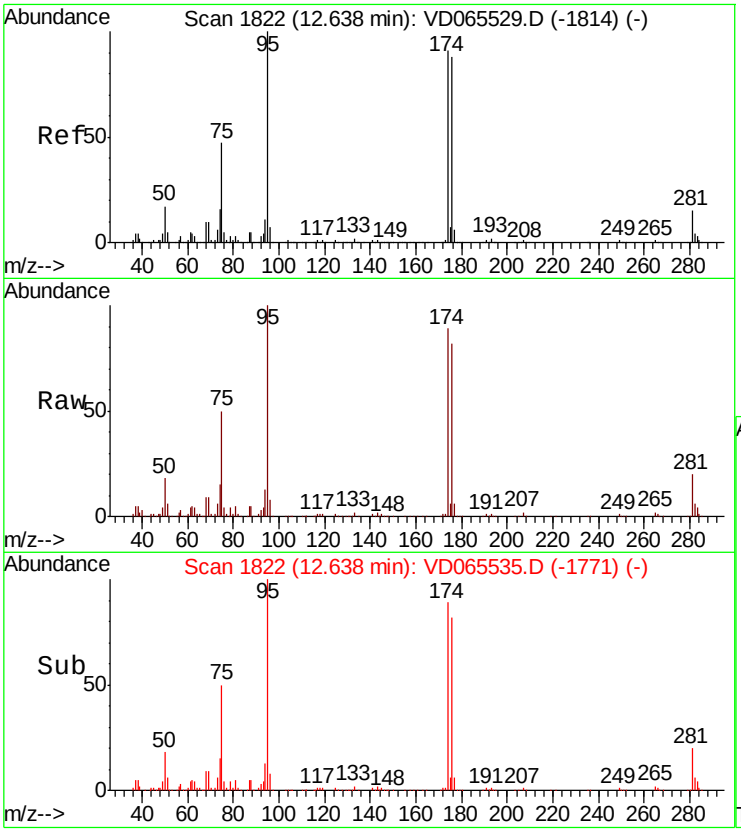




#56
Ethyl methacrylate
Concen: 3.315 ug/l
RT: 10.66 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 69 Resp: 99

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 241.4 | 51.3 | 76.9# |
| 39 | 56.6 | 25.3 | 37.9# |



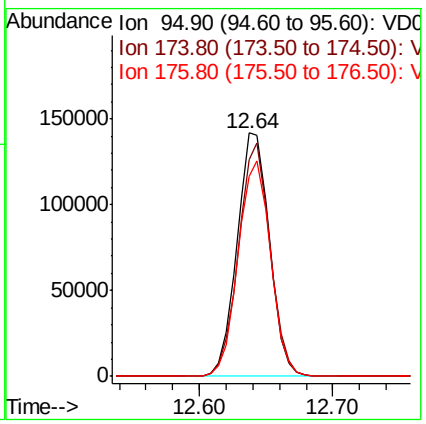


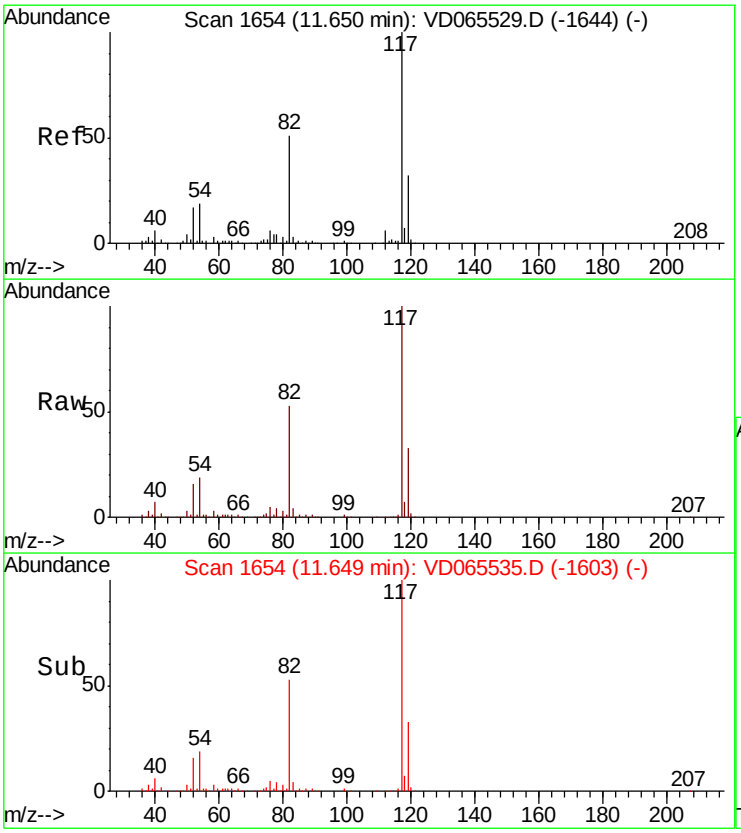

#62
4-Bromofluorobenzene
Concen: 45.071 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 95 Resp: 237816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.2 | 0.0 | 183.8 |
| 176 | 88.2 | 0.0 | 178.2 |

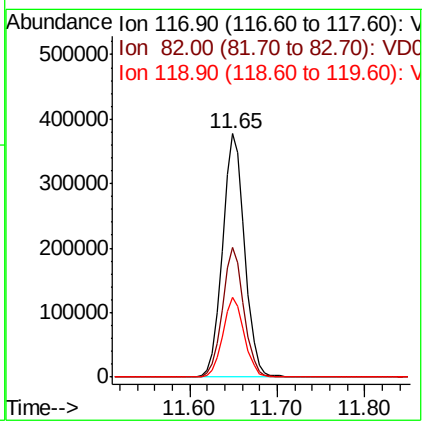


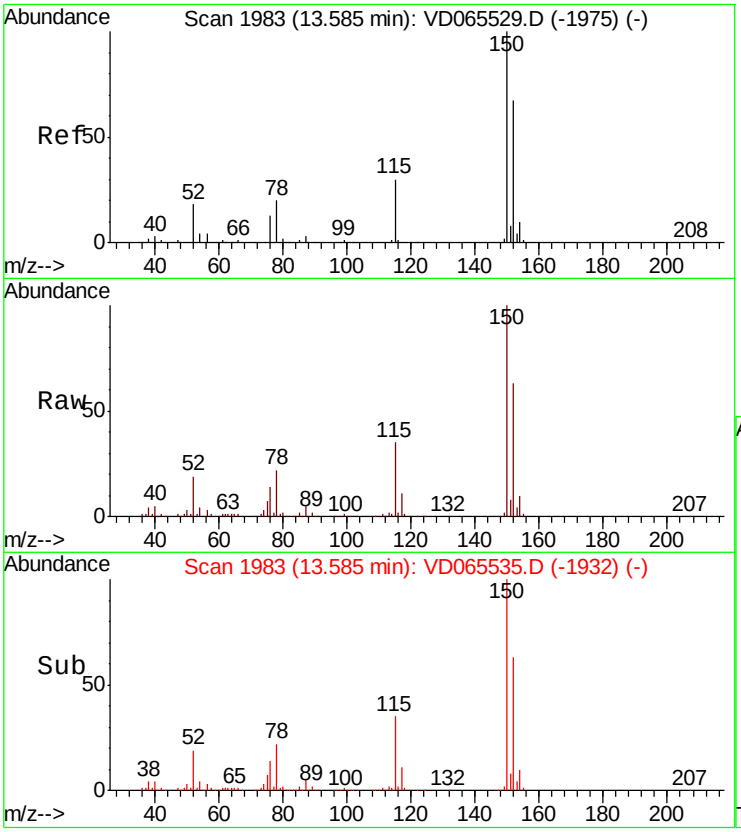




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion:117 Resp: 652678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.4 | 41.0 | 61.6 |
| 119 | 32.6 | 25.5 | 38.3 |



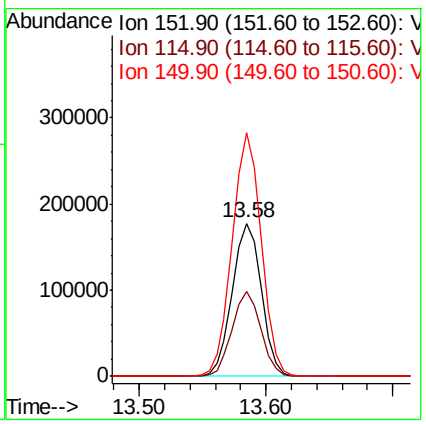


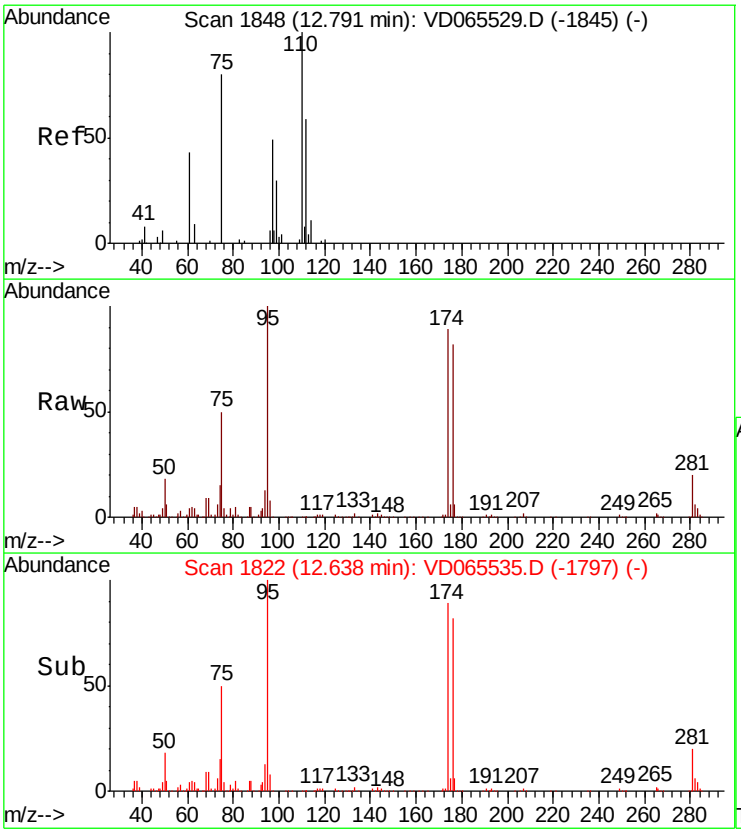

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion:152 Resp: 281986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.7 | 27.2 | 81.6 |
| 150 | 158.6 | 0.0 | 340.2 |

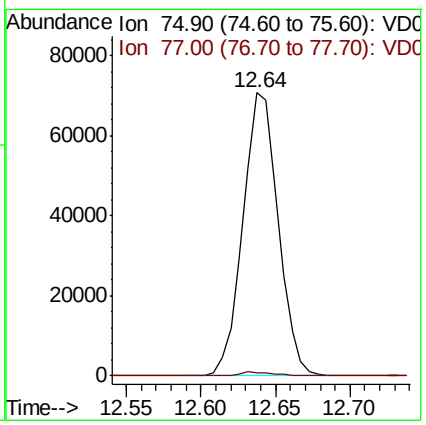


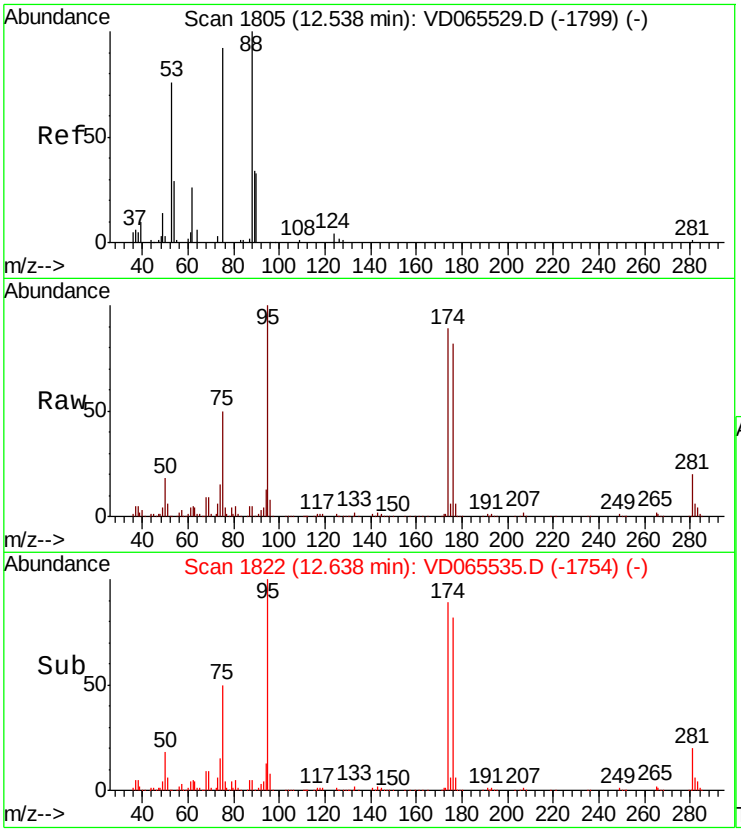




#76
1,2,3-Trichloropropane
Concen: 53.170 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion: 75 Resp: 115269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |



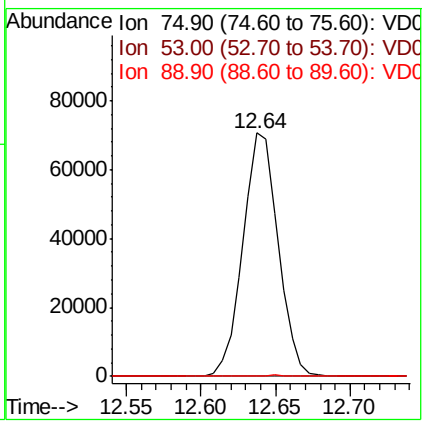


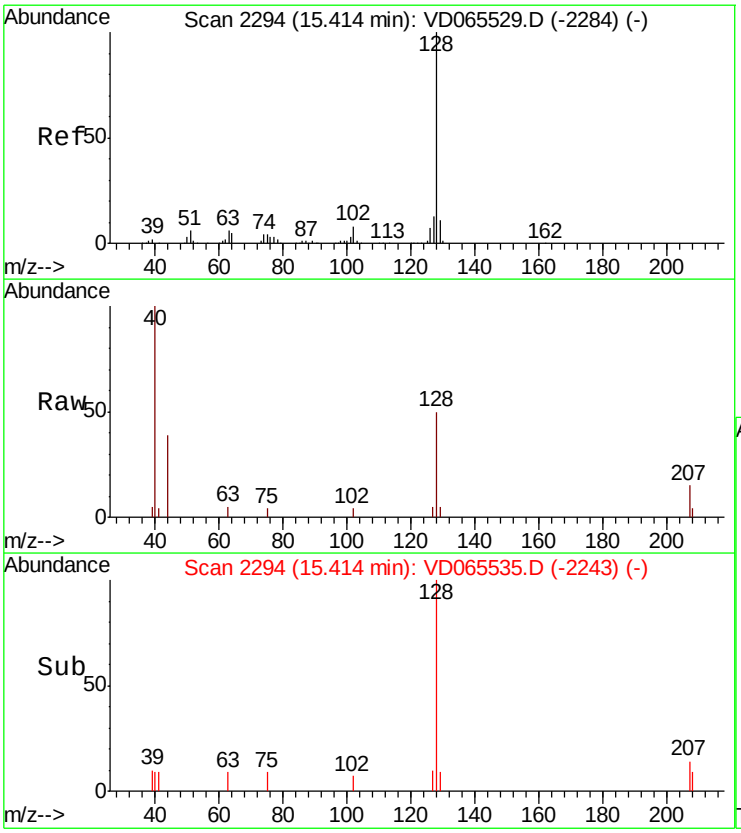

#81
trans-1,4-Dichloro-2-butene
Concen: 118.685 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

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

Tgt Ion: 75 Resp: 115269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 72.4 | 108.6# |
| 89 | 0.2 | 36.9 | 55.3# |




#95
Naphthalene
Concen: 4.750 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065535.D
Acq: 27 Mar 2020 10:49

Tgt Ion:128 Resp: 4073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.4 | 10.4 | 15.6 |
| 129 | 9.1 | 8.7 | 13.1 |