Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
Data File : VD067979.D
Acq On : 30 Dec 2020 17:00
Operator : VA/SY
Sample : L5242-10
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 31 00:16:44 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.979 | 168 | 205387 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.867 | 114 | 430325 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.649 | 117 | 403875 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152 | 157835 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.332 | 65 | 157500 | 71.01 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 142.02% | | | |
| 35) Dibromofluoromethane | 7.914 | 113 | 154697 | 57.05 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 114.10% | | | |
| 50) Toluene-d8 | 10.344 | 98 | 558141 | 54.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 109.54% | | | |
| 62) 4-Bromofluorobenzene | 12.638 | 95 | 163132 | 46.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 93.58% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Bromomethane | 2.773 | 94 | 184 | Below Cal | # | 28 |
| 10) Methyl Iodide | 4.279 | 142 | 57 | 3.87 | ug/l # | 41 |
| 11) Tert butyl alcohol | 5.209 | 59 | 173 | Below Cal | # | 74 |
| 16) Acetone | 4.156 | 43 | 826 | 1.95 | ug/l # | 47 |
| 20) Methylene Chloride | 4.962 | 84 | 1690 | Below Cal | # | 52 |
| 31) Cyclohexane | 7.985 | 56 | 5995 | 1.32 | ug/l # | 18 |
| 36) 1,1-Dichloropropene | 7.979 | 75 | 19820 | 4.33 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.979 | 117 | 22875 | 5.24 | ug/l # | 16 |
| 51) 4-Methyl-2-Pentanone | 10.338 | 43 | 2855 | 1.62 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.638 | 75 | 81888 | 61.62 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.638 | 75 | 81888 | 126.31 | ug/l # | 12 |

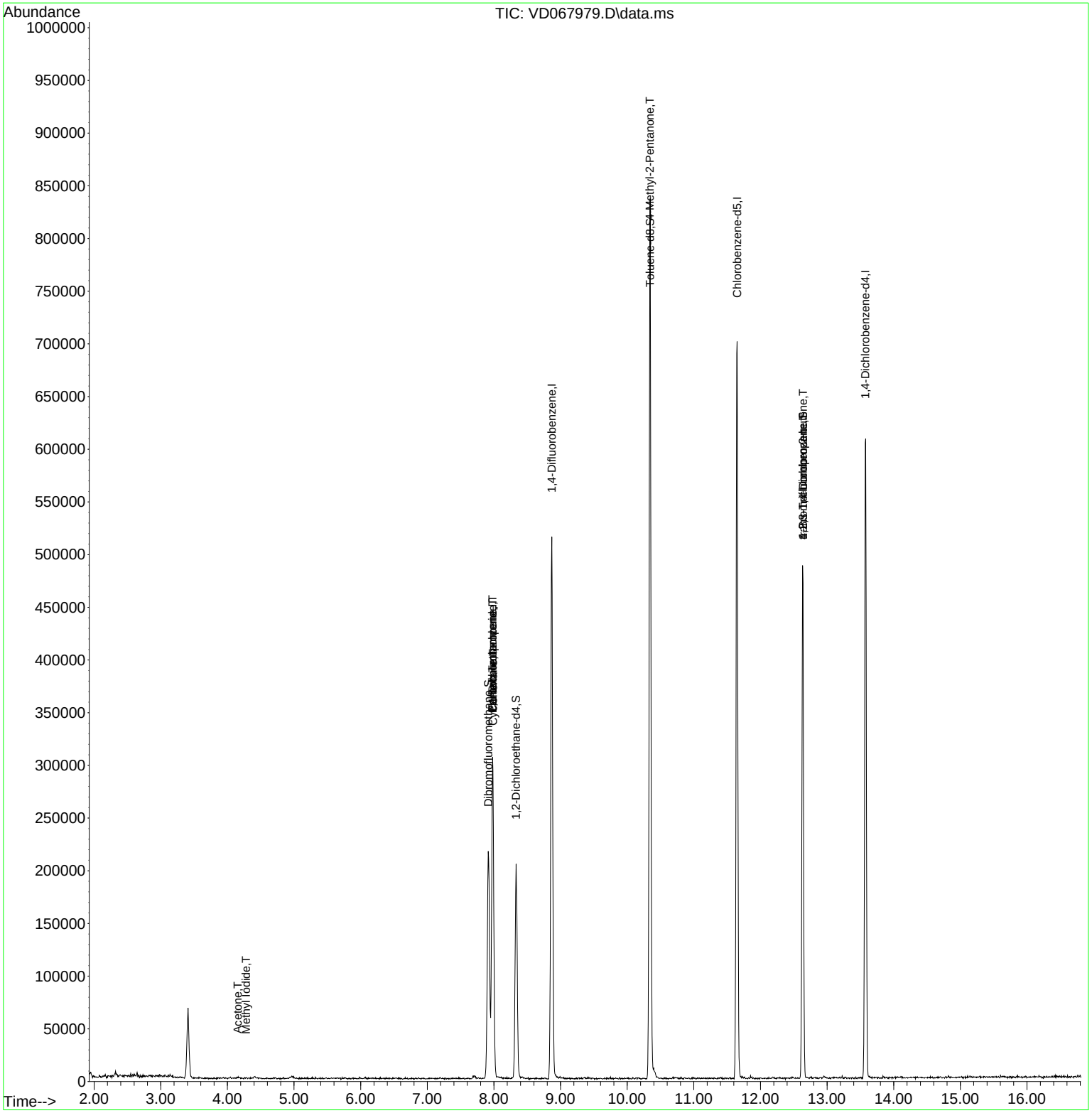
(#) = qualifier out of range (m) = manual integration (+) = signals summed

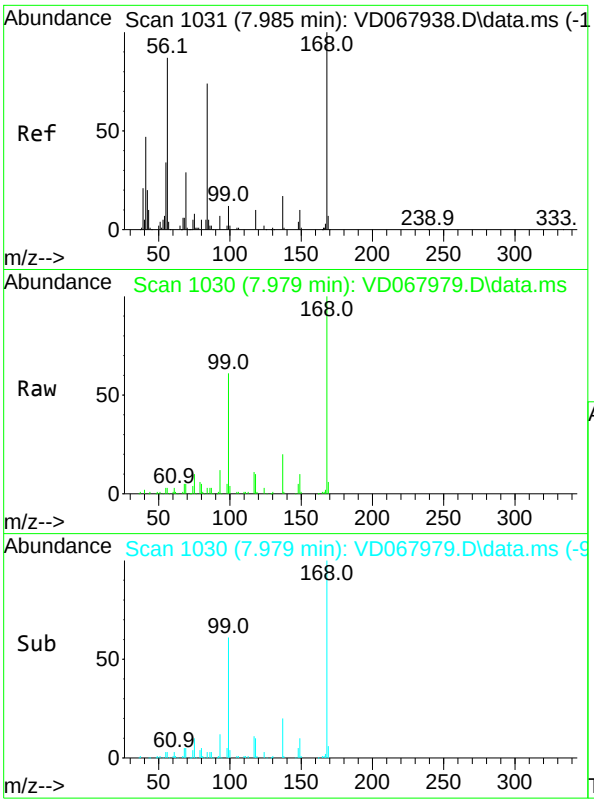
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123020\
Data File : VD067979.D
Acq On : 30 Dec 2020 17:00
Operator : VA/SY
Sample : L5242-10
Misc : 5.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 31 00:16:44 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

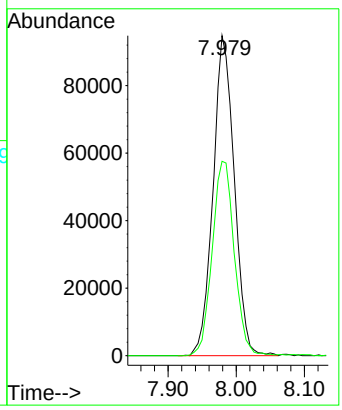




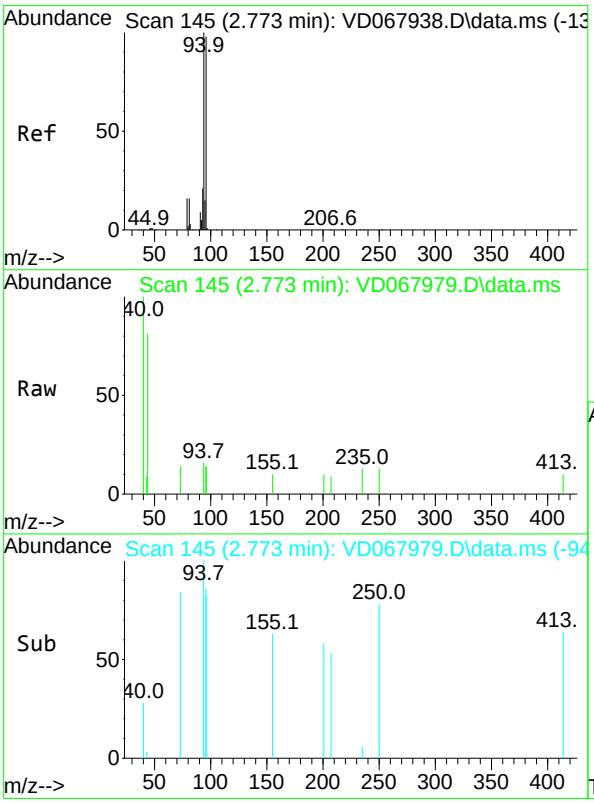

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:168 Resp: 205387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.8 | 48.0 | 72.0 |



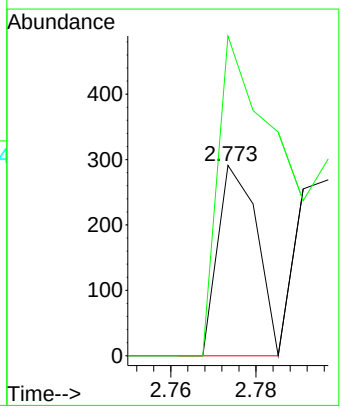

**Instrument :**
MSVOA_D
**ClientSampleId :**



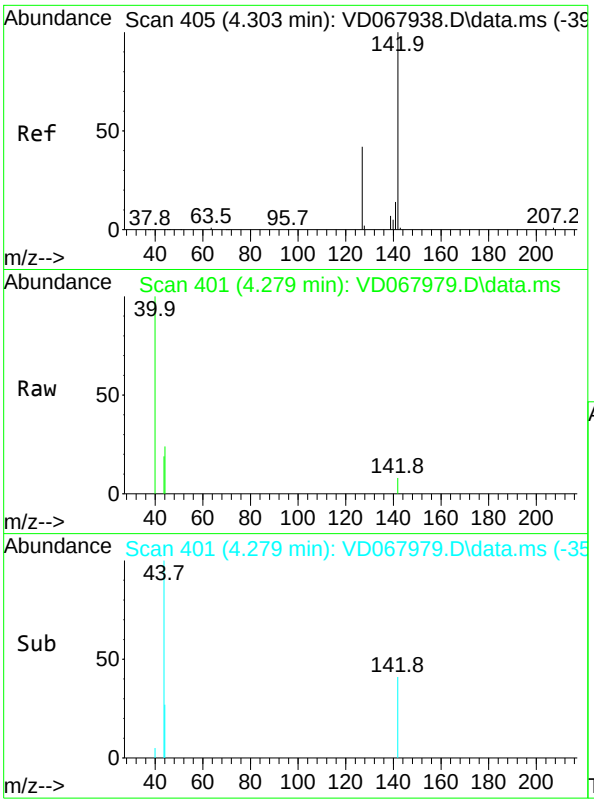

#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 94 Resp: 184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 168.0 | 78.0 | 117.0# |



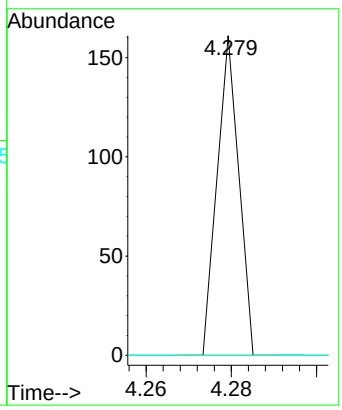
**Instrument :**
MSVOA_D
**ClientSampleId :**

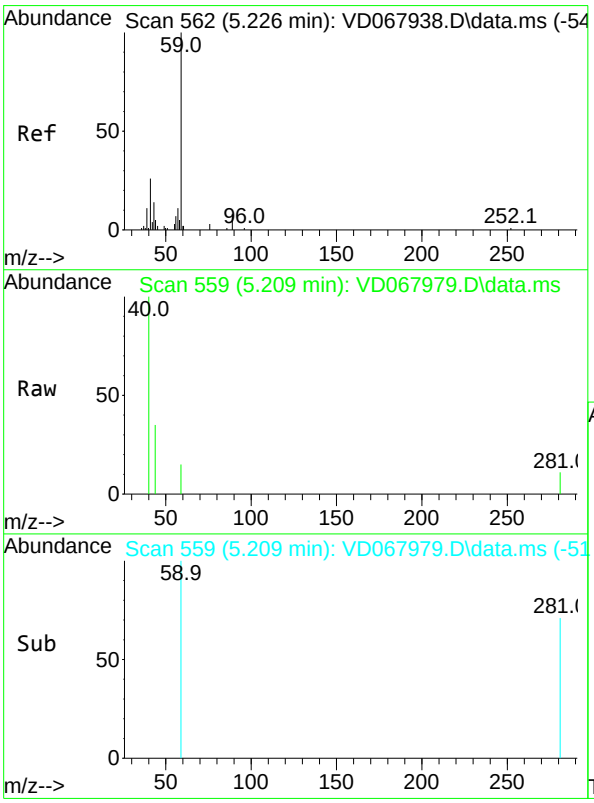



#10
Methyl Iodide
Concen: 3.87 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.024 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:142 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 34.4 | 51.6# |
| 141 | 0.0 | 11.8 | 17.8# |

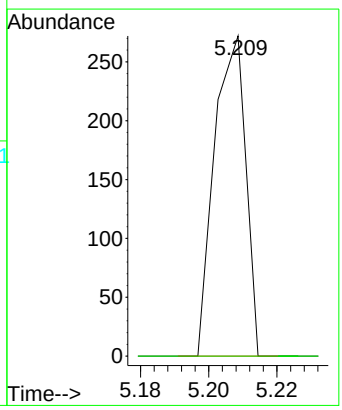


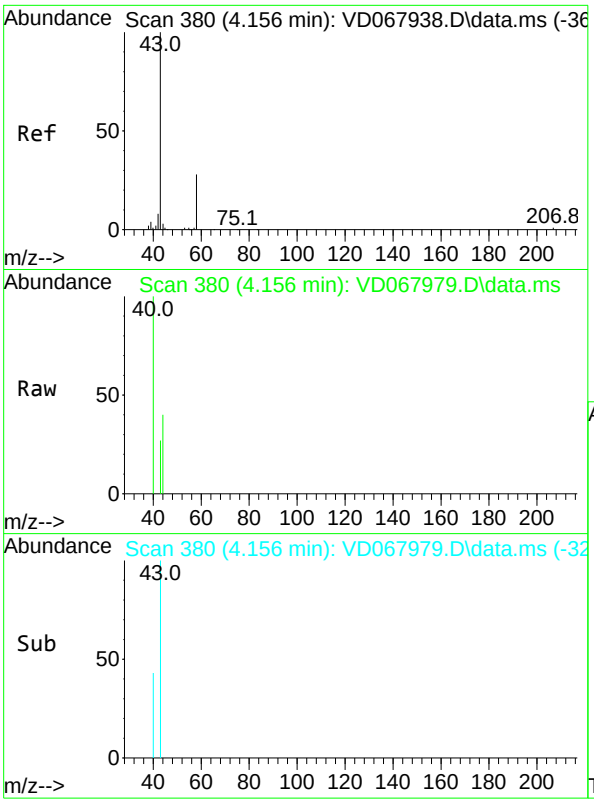




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.017 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 59 Resp: 173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.4 | 11.2# |

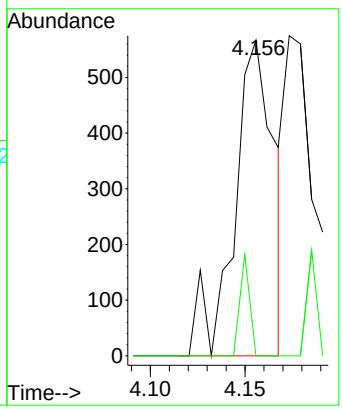




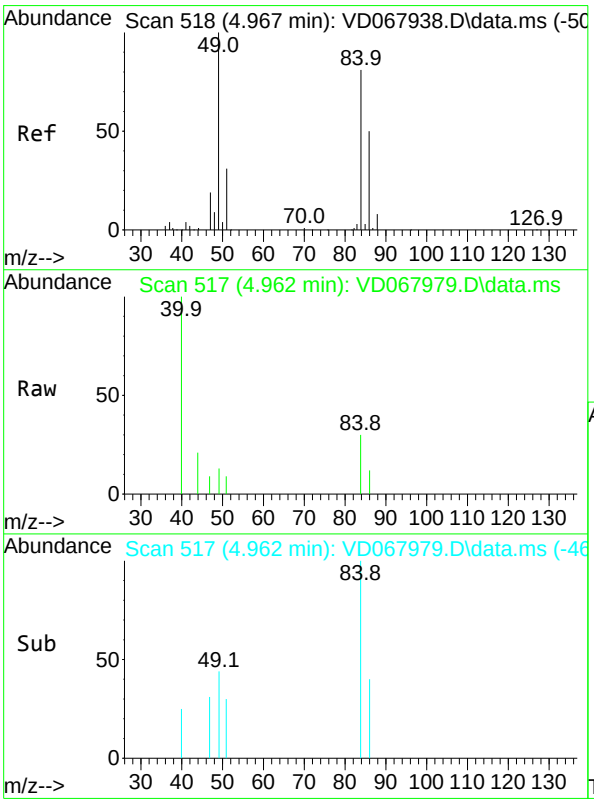

#16
Acetone
Concen: 1.95 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 43 Resp: 826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 22.3 | 33.5# |



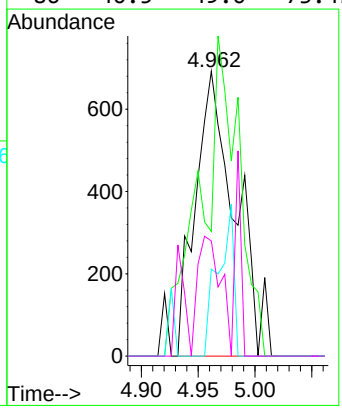

**Instrument :**
MSVOA_D
**ClientSampleId :**

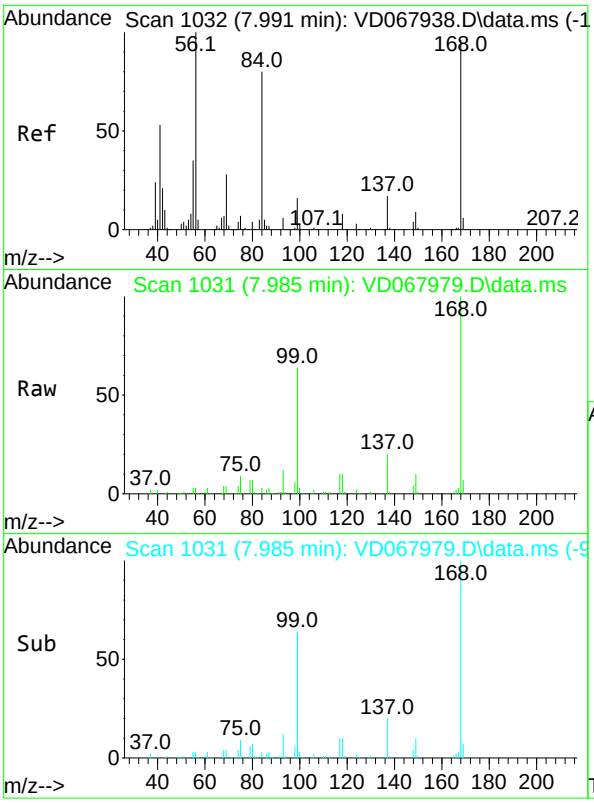



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 84 Resp: 1690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 43.8 | 98.3 | 147.5# |
| 51 | 30.5 | 30.3 | 45.5 |
| 86 | 40.5 | 49.0 | 73.4# |

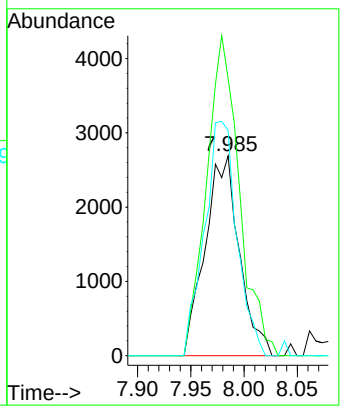




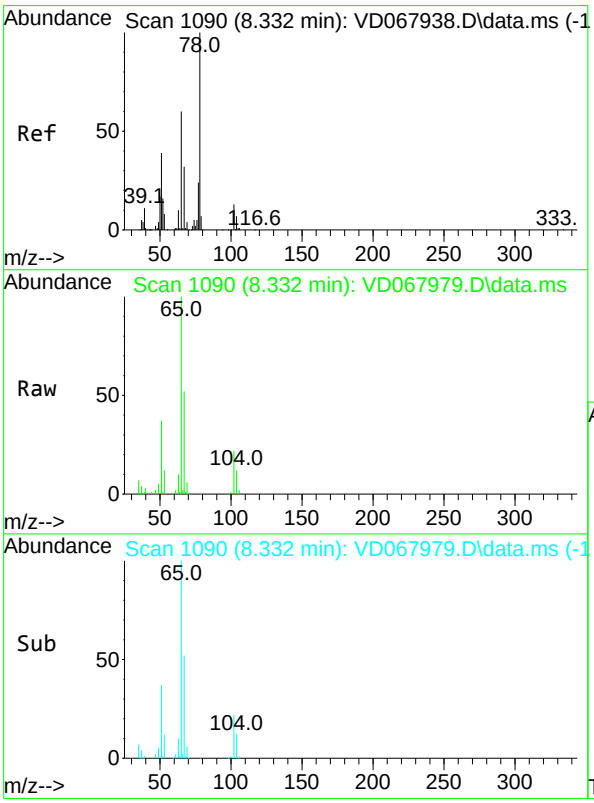

#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 56 Resp: 5995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 138.6 | 22.7 | 34.1# |
| 84 | 112.7 | 64.2 | 96.4# |



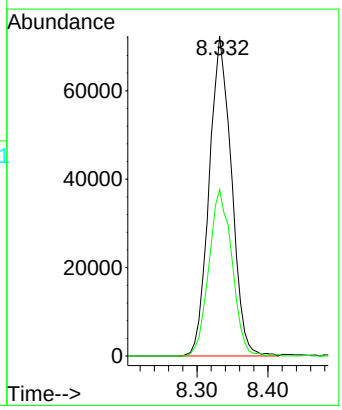

**Instrument :**
MSVOA_D
**ClientSampleId :**

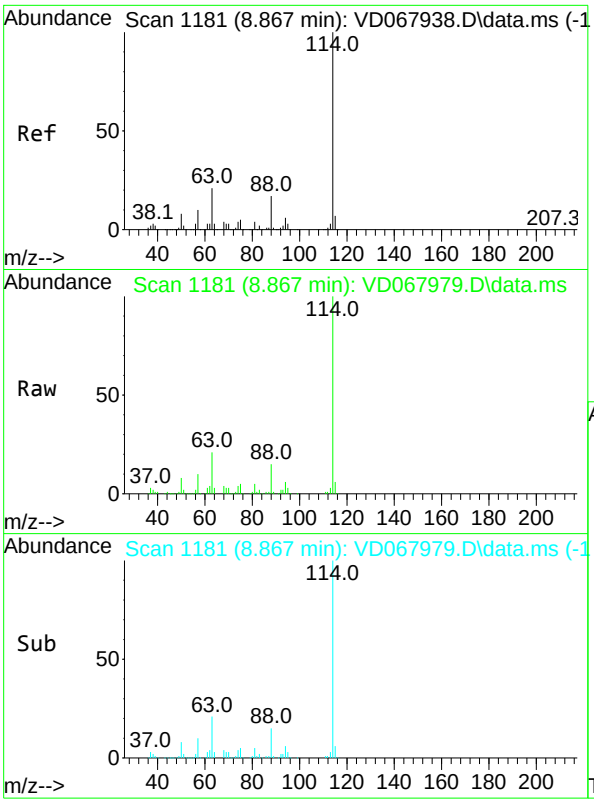



#33
1,2-Dichloroethane-d4
Concen: 71.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 65 Resp: 157500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 0.0 | 110.0 |

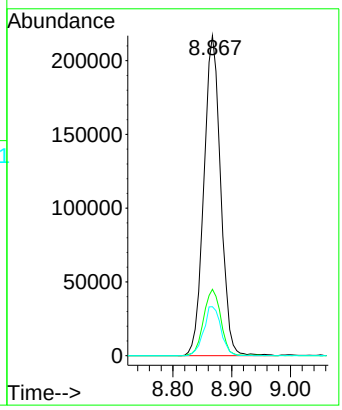




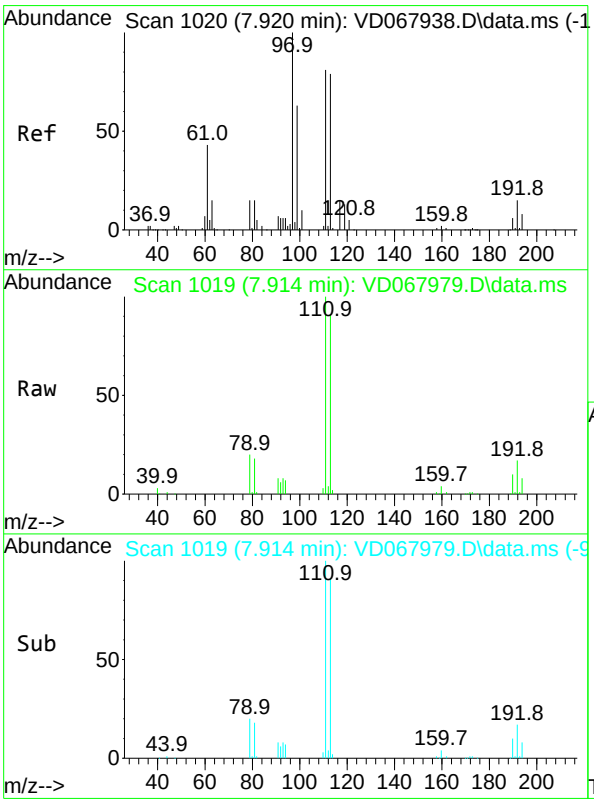

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:114 Resp: 430325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 41.4 |
| 88 | 15.3 | 0.0 | 33.2 |



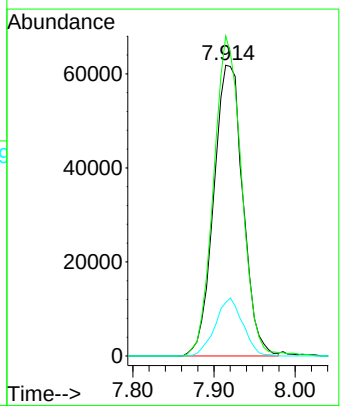

**Instrument :**
MSVOA_D
**ClientSampleId :**

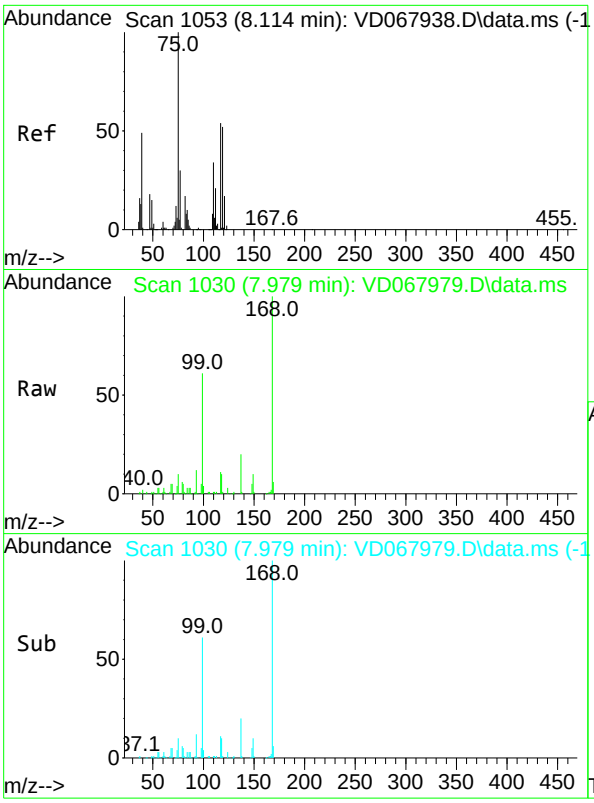



#35
Dibromofluoromethane
Concen: 57.05 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:113 Resp: 154697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.6 | 79.3 | 118.9 |
| 192 | 18.7 | 14.5 | 21.7 |

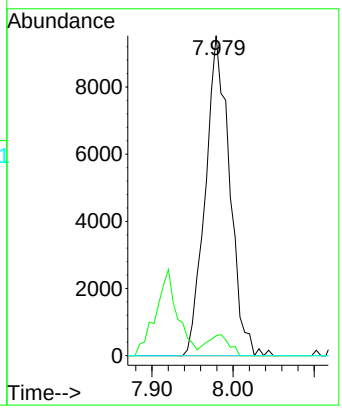




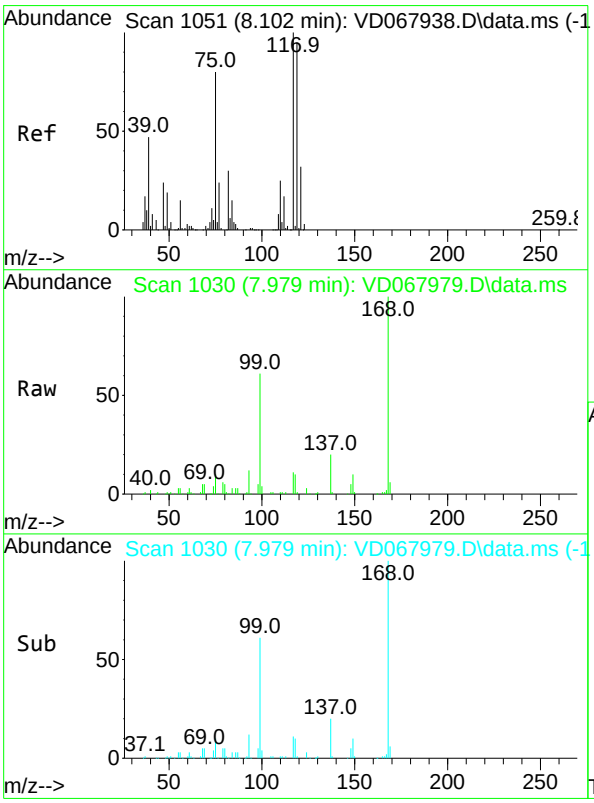

#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 75 Resp: 19820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 6.0 | 17.0 | 51.0# |
| 77 | 0.0 | 24.6 | 37.0# |



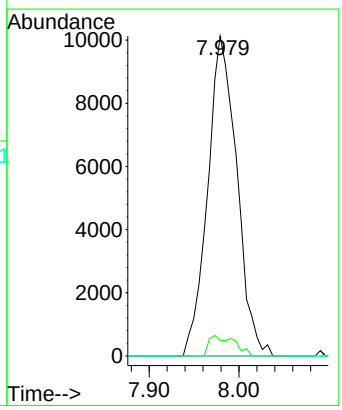

**Instrument :**
MSVOA_D
**ClientSampleId :**

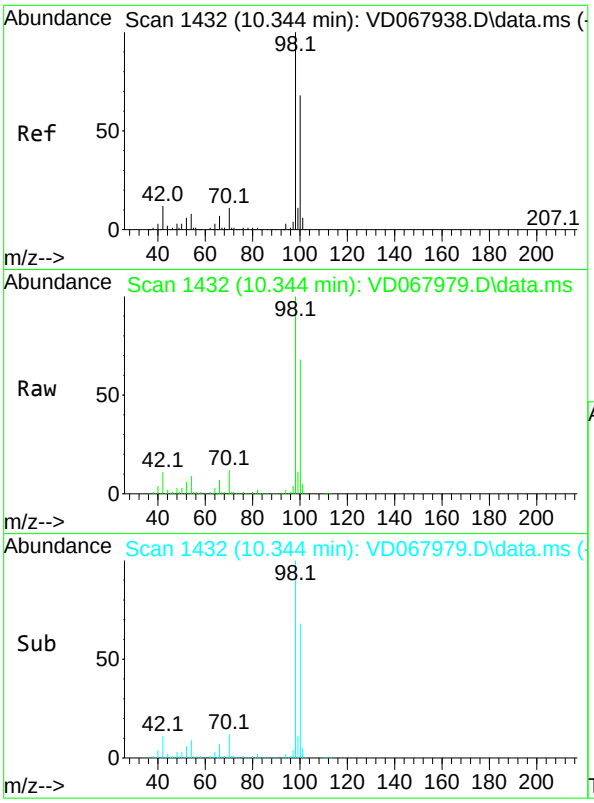



#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:117 Resp: 22875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.9 | 76.2 | 114.4# |
| 121 | 0.0 | 25.9 | 38.9# |

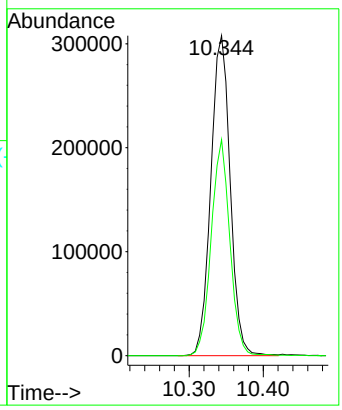




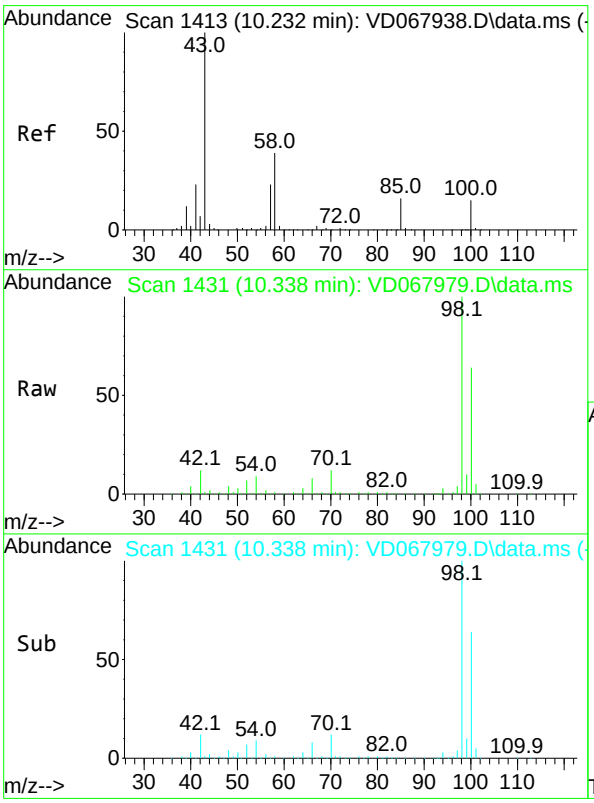

#50
Toluene-d8
Concen: 54.77 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 98 Resp: 558141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.5 | 78.7 |



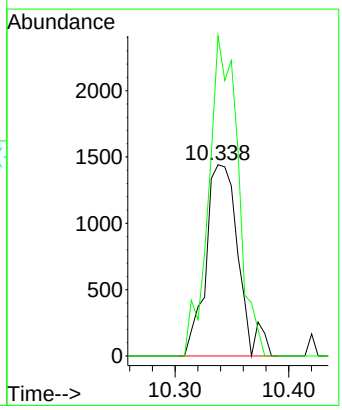

**Instrument :**
MSVOA_D
**ClientSampleId :**

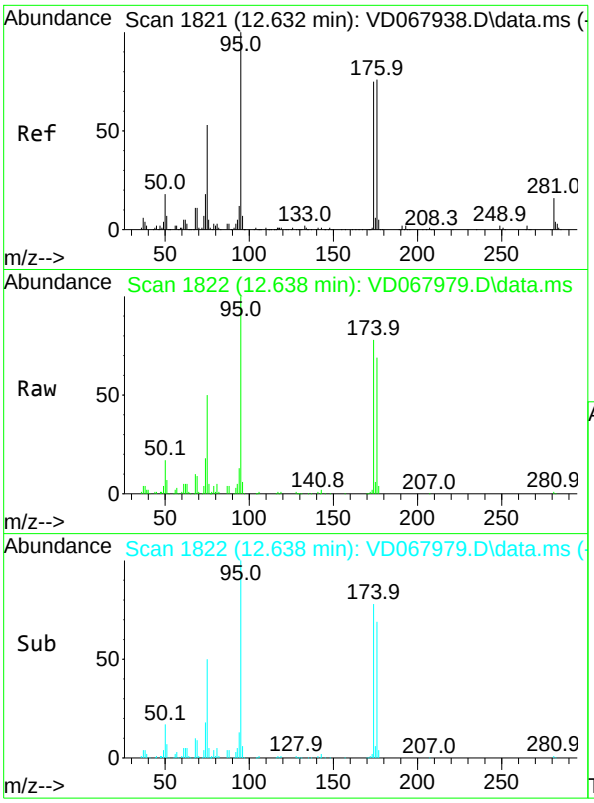



#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.106 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 43 Resp: 2855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 152.2 | 30.0 | 45.0# |

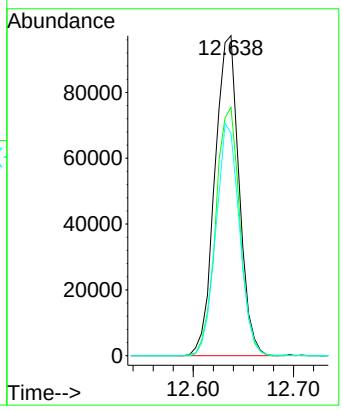




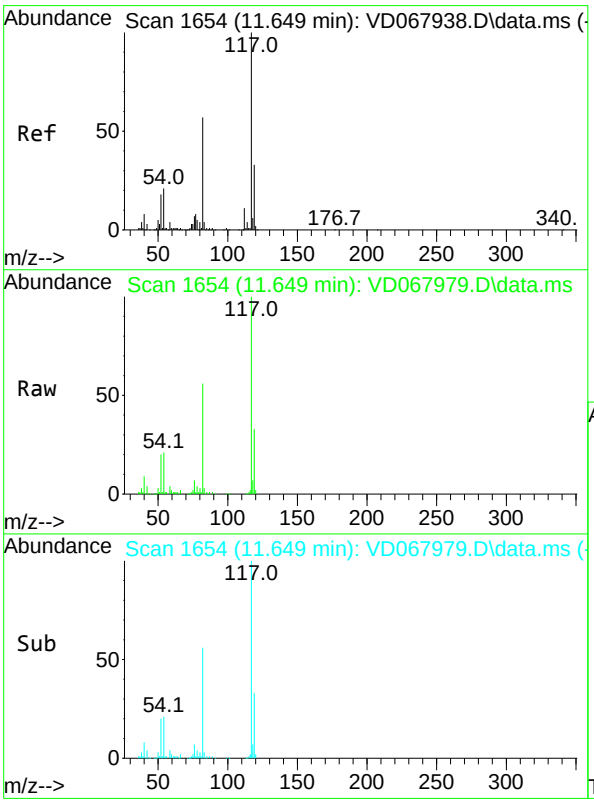

#62
4-Bromofluorobenzene
Concen: 46.79 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 95 Resp: 163132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.7 | 0.0 | 150.6 |
| 176 | 71.0 | 0.0 | 151.2 |



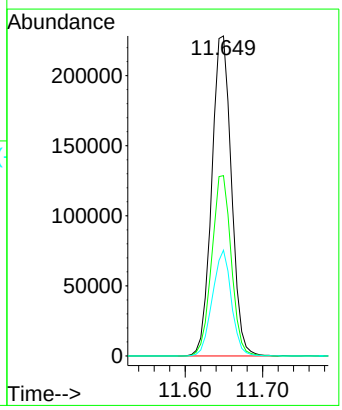

**Instrument :**
MSVOA_D
**ClientSampleId :**

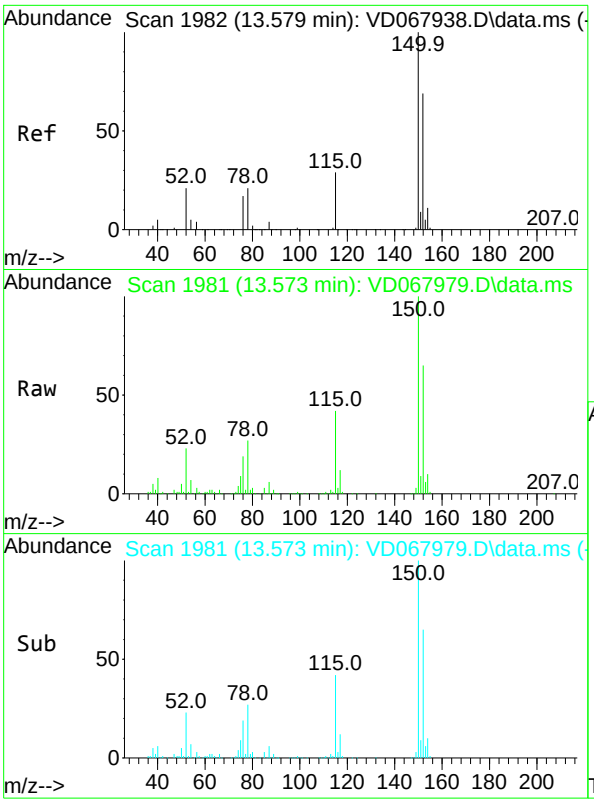



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:117 Resp: 403875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 45.4 | 68.0 |
| 119 | 33.1 | 26.7 | 40.1 |

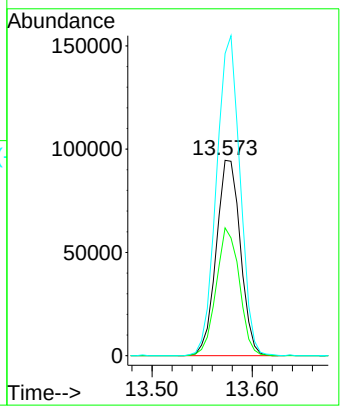




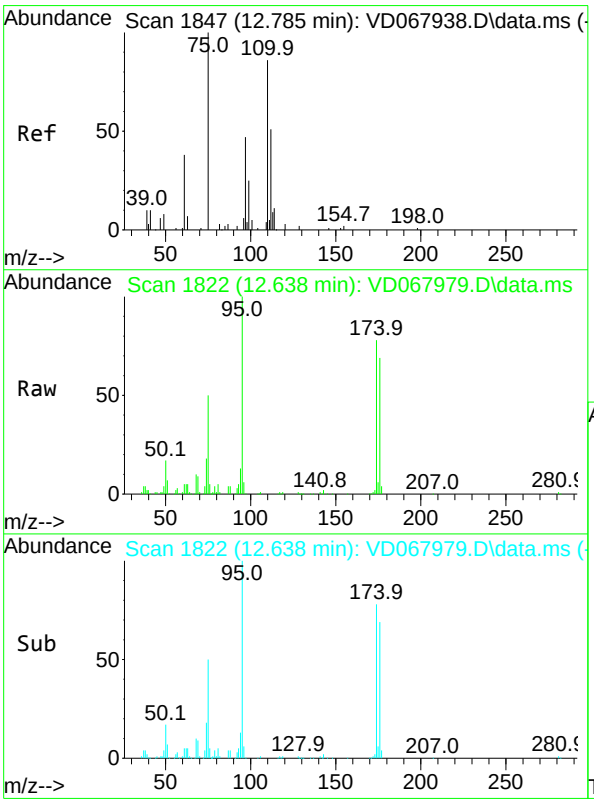

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion:152 Resp: 157835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.8 | 29.3 | 88.0 |
| 150 | 159.7 | 0.0 | 340.0 |



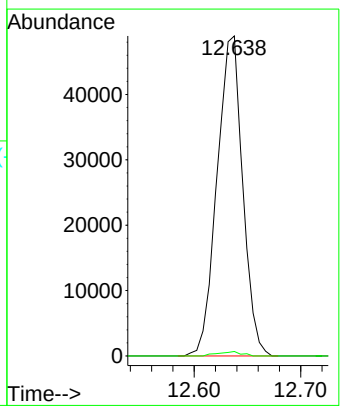

**Instrument :**
MSVOA_D
**ClientSampleId :**

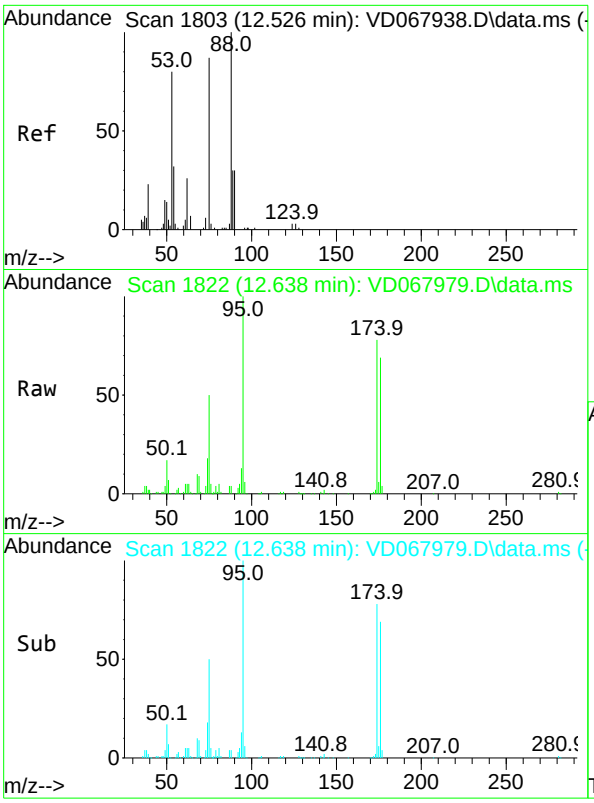



#76
1,2,3-Trichloropropane
Concen: 61.62 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. -0.147 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 75 Resp: 81888

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

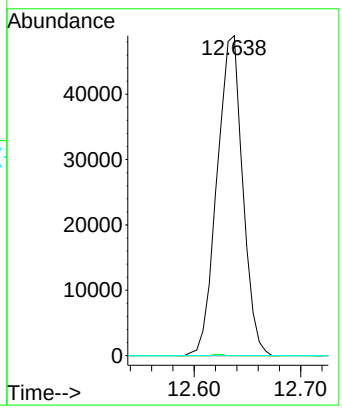





#81
trans-1,4-Dichloro-2-butene
Concen: 126.31 ug/l
RT: 12.638 min Scan# 1822
Delta R.T. 0.112 min
Lab File: VD067979.D
Acq: 30 Dec 2020 17:00

Tgt Ion: 75 Resp: 81888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 74.9 | 112.3# |
| 89 | 0.0 | 33.8 | 50.8# |




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