Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
Data File : VD074890.D
Acq On : 11 Nov 2022 14:41
Operator : VA/SY
Sample : VD1111SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Quant Time: Nov 14 00:55:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 14 00:51:58 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.875 | 168 | 166107 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.775 | 114 | 246874 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.580 | 117 | 215678 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 92504 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.228 | 65 | 57195 | 52.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 104.140% | | | |
| 35) Dibromofluoromethane | 7.804 | 113 | 76103 | 50.008 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.020% | | | |
| 50) Toluene-d8 | 10.269 | 98 | 232335 | 46.347 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 92.700% | | | |
| 62) 4-Bromofluorobenzene | 12.575 | 95 | 66459 | 43.175 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 86.360% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.934 | 85 | 948 | Below Cal | | 88 |
| 3) Chloromethane | 2.140 | 50 | 1182 | Below Cal | # | 69 |
| 5) Bromomethane | 2.687 | 94 | 1417 | Below Cal | | 86 |
| 10) Methyl Iodide | 4.175 | 142 | 964 | 5.202 | ug/l # | 50 |
| 11) Tert butyl alcohol | 5.040 | 59 | 251 | Below Cal | # | 84 |
| 16) Acetone | 4.028 | 43 | 750 | 2.735 | ug/l # | 84 |
| 18) Methyl Acetate | 4.834 | 43 | 55 | Below Cal | # | 44 |
| 20) Methylene Chloride | 4.804 | 84 | 32689 | 1.070 | ug/l | 94 |
| 25) 2-Butanone | 7.081 | 43 | 1107 | 3.087 | ug/l # | 42 |
| 31) Cyclohexane | 7.881 | 56 | 3764 | 1.554 | ug/l # | 42 |
| 37) Ethyl Acetate | 7.081 | 43 | 1107 | 1.475 | ug/l # | 1 |
| 38) Carbon Tetrachloride | 7.875 | 117 | 15618 | 7.419 | ug/l # | 18 |
| 59) 2-Hexanone | 10.928 | 43 | 443 | 1.008 | ug/l # | 35 |
| 76) 1,2,3-Trichloropropane | 12.575 | 75 | 32847 | 42.454 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75 | 32847 | 104.439 | ug/l # | 17 |

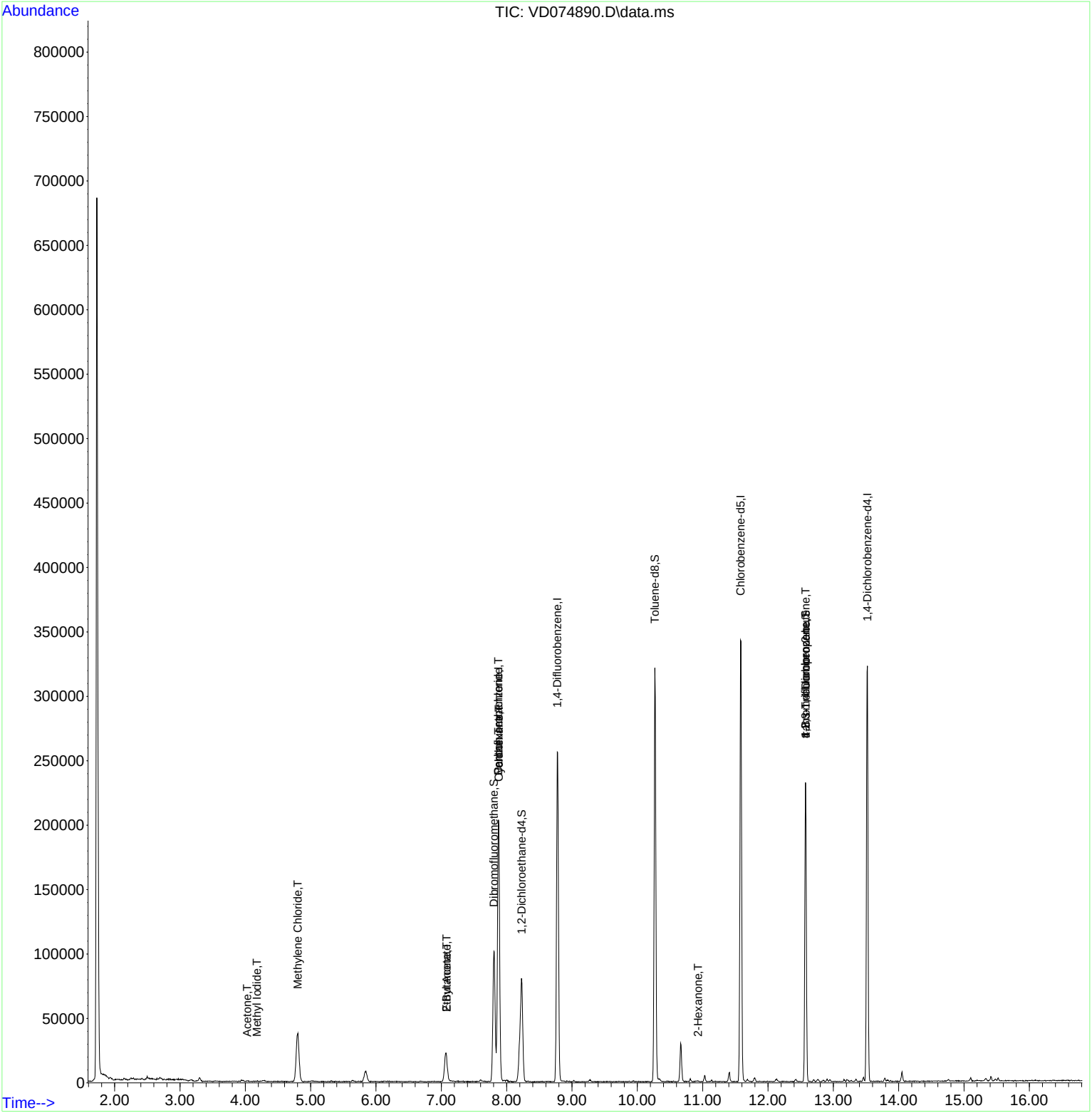
(#) = qualifier out of range (m) = manual integration (+) = signals summed

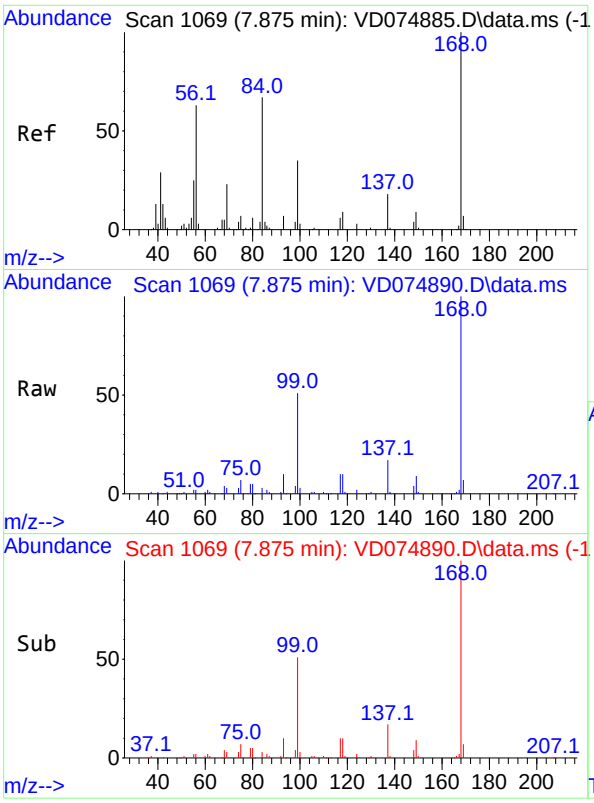
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
Data File : VD074890.D
Acq On : 11 Nov 2022 14:41
Operator : VA/SY
Sample : VD1111SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Quant Time: Nov 14 00:55:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 14 00:51:58 2022
Response via : Initial Calibration



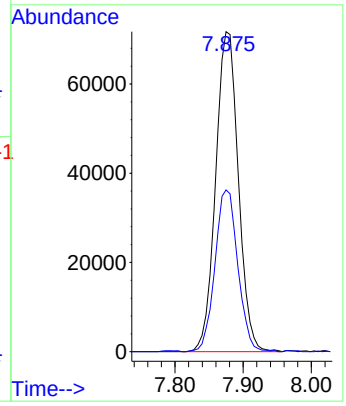


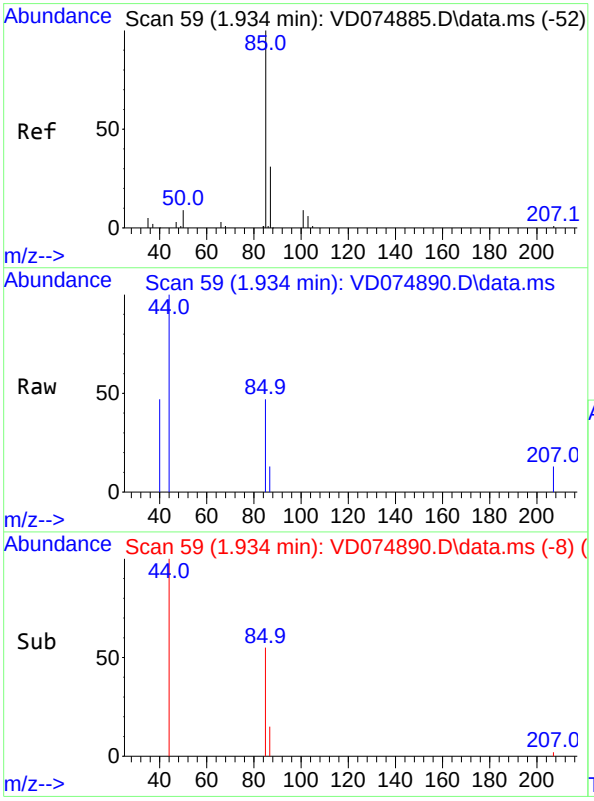

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion:168 Resp: 166107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.6 | 40.9 | 61.3 |

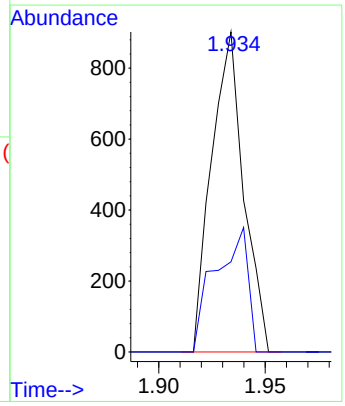


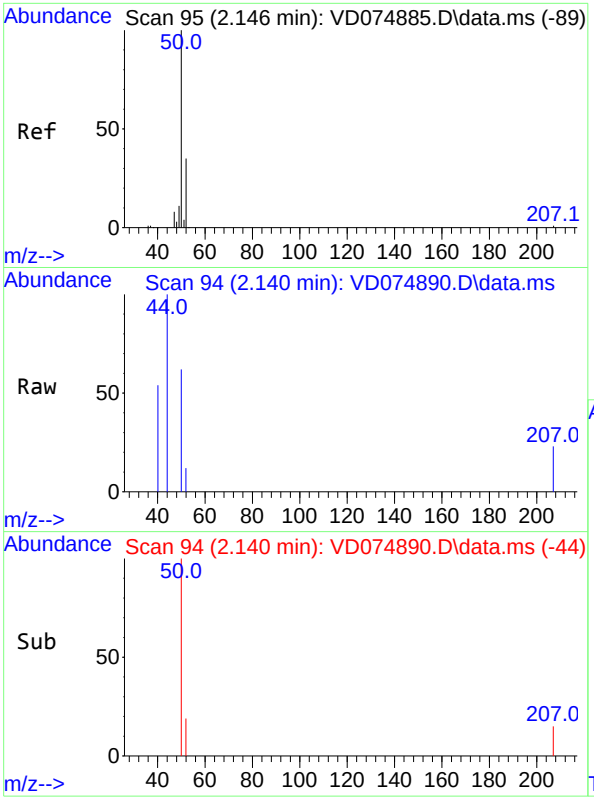




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 85 Resp: 948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.2 | 17.5 | 52.6 |



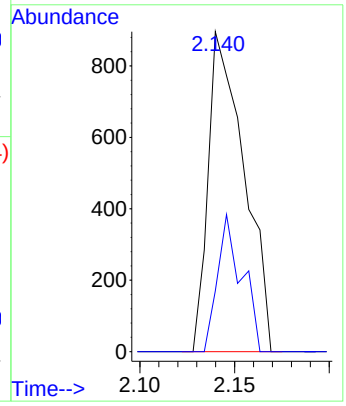


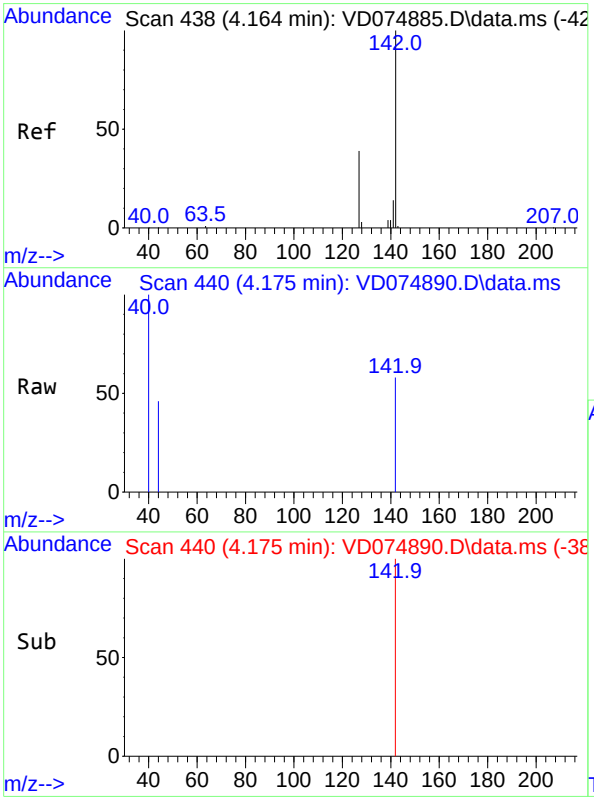

#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 50 Resp: 1182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 19.0 | 30.0 | 45.0# |

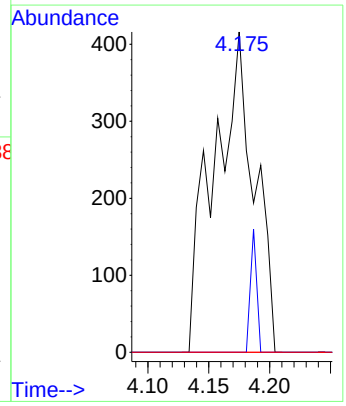


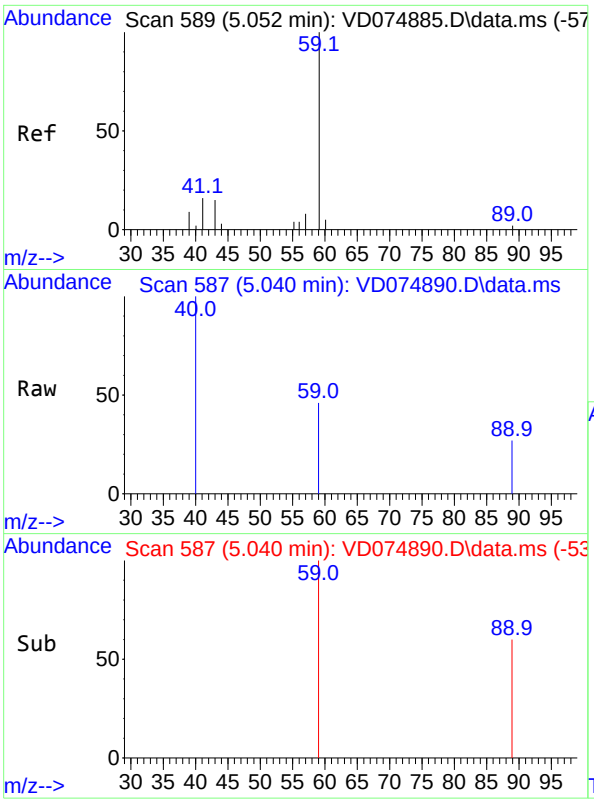




#10
Methyl Iodide
Concen: 5.202 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.011 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion:142 Resp: 964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 5.8 | 31.9 | 47.9# |
| 141 | 0.0 | 11.4 | 17.2# |



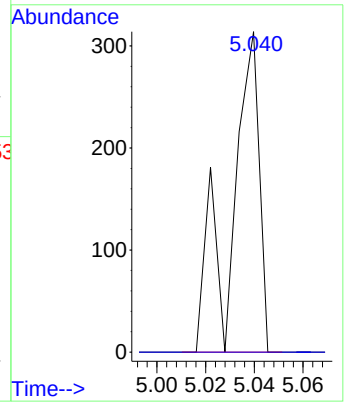


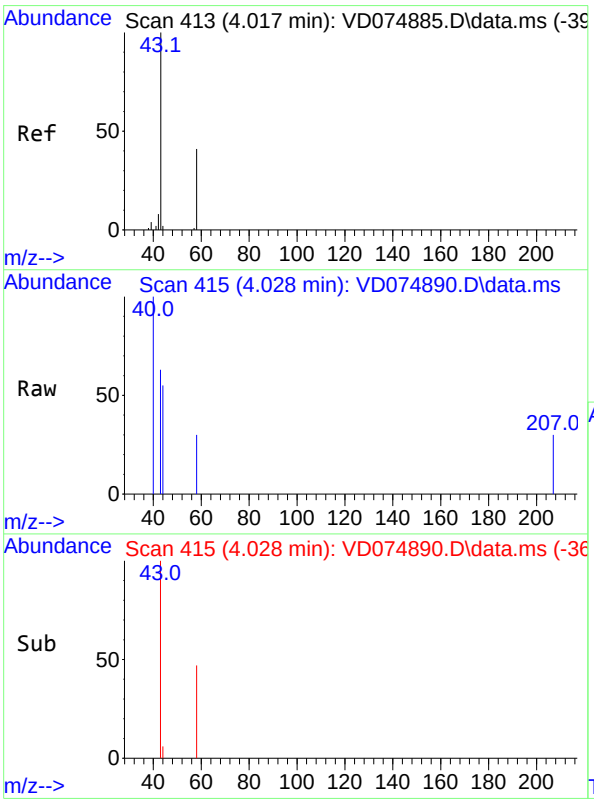

#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 5
Delta R.T. -0.012 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 59 Resp: 251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 4.4 | 6.6# |

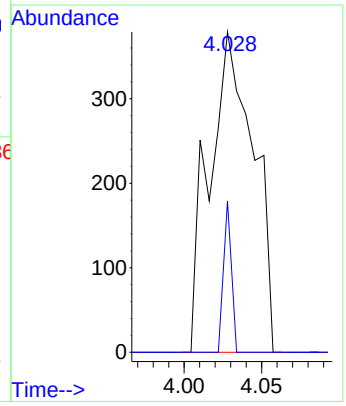


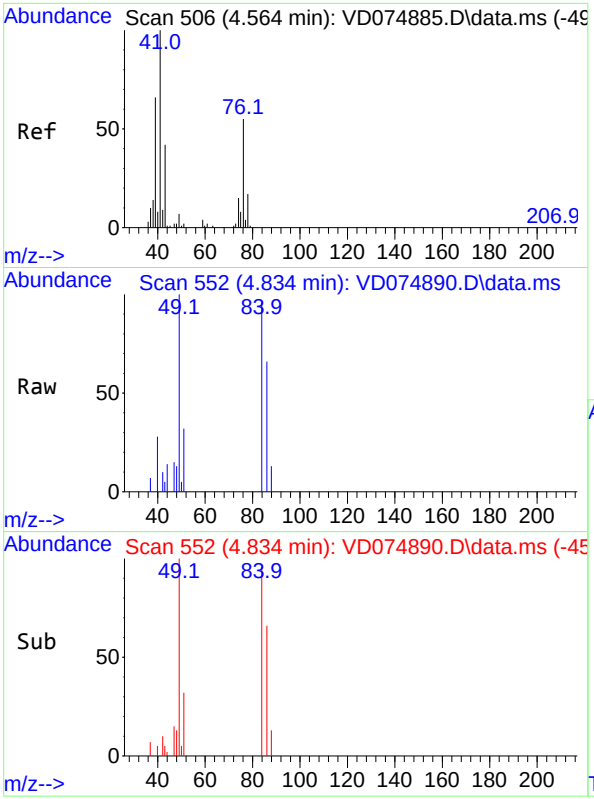




#16
Acetone
Concen: 2.735 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 43 Resp: 750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.2 | 30.2 | 45.2# |



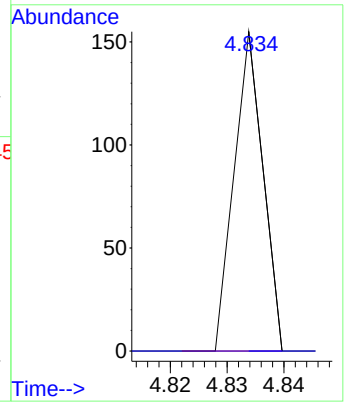


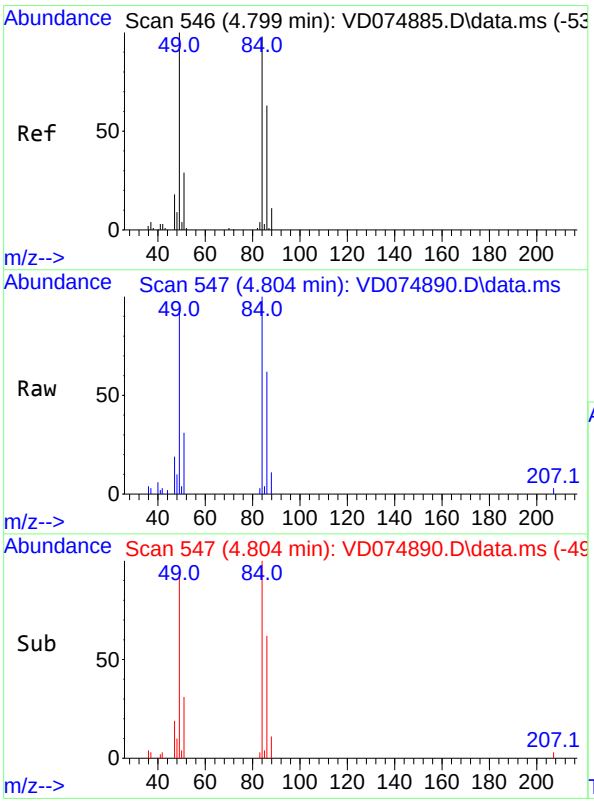

#18
Methyl Acetate
Concen: Below Cal
RT: 4.834 min Scan# 5
Delta R.T. 0.270 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 43 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 24.7 | 37.1# |

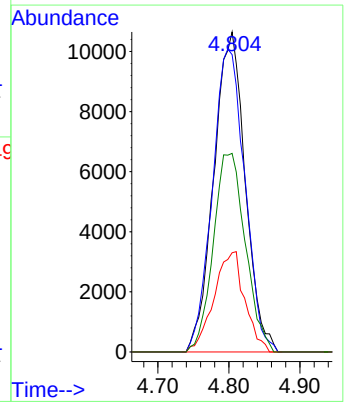


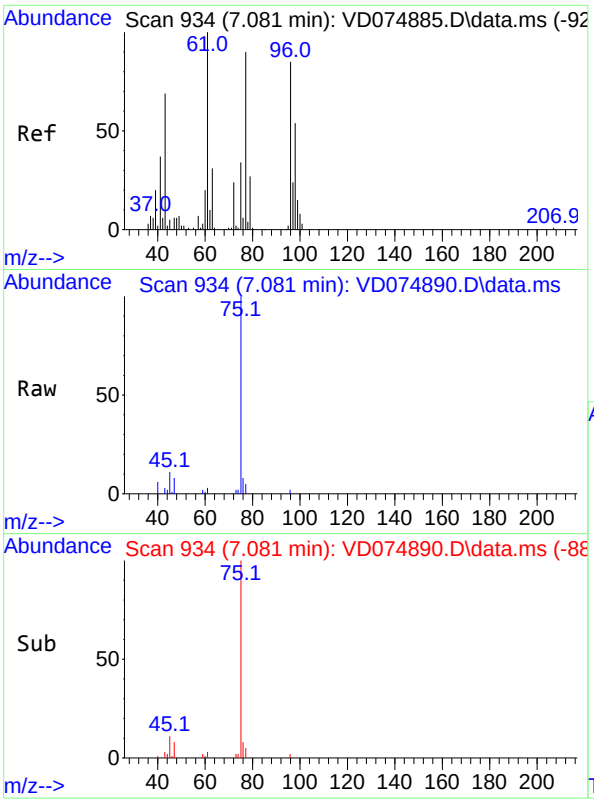




#20
Methylene Chloride
Concen: 1.070 ug/l
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 84 Resp: 32689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 92.9 | 68.0 | 102.0 |
| 51 | 31.0 | 23.2 | 34.8 |
| 86 | 62.1 | 48.0 | 72.0 |



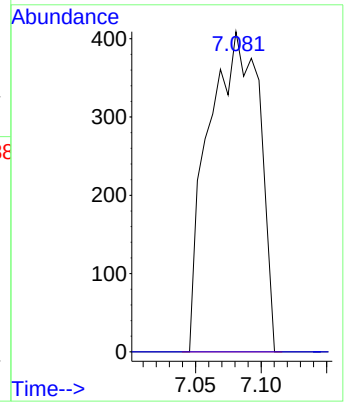


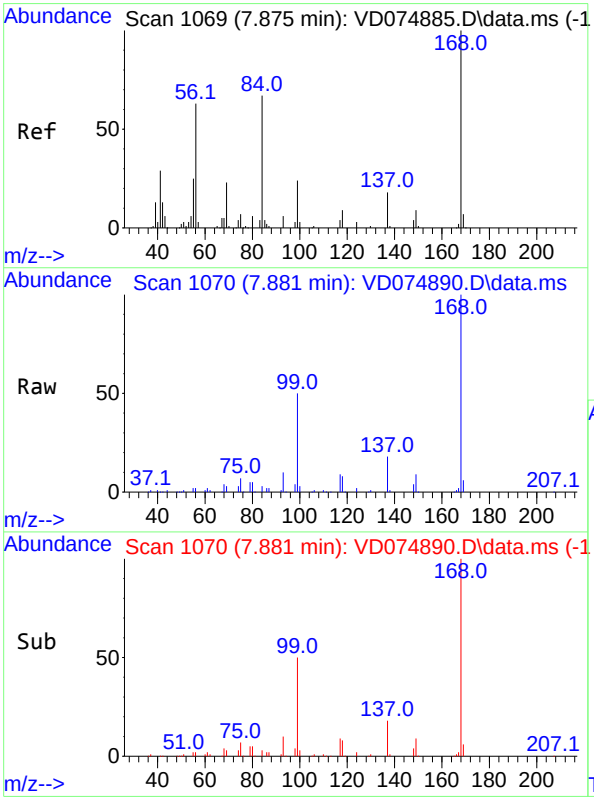

#25
2-Butanone
Concen: 3.087 ug/l
RT: 7.081 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 43 Resp: 1107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 25.8 | 38.8# |

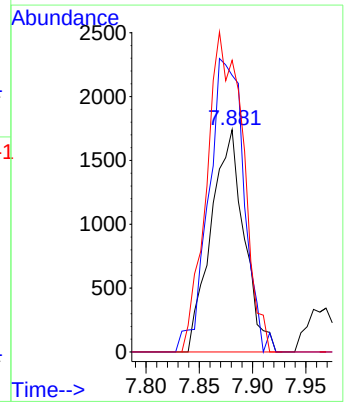


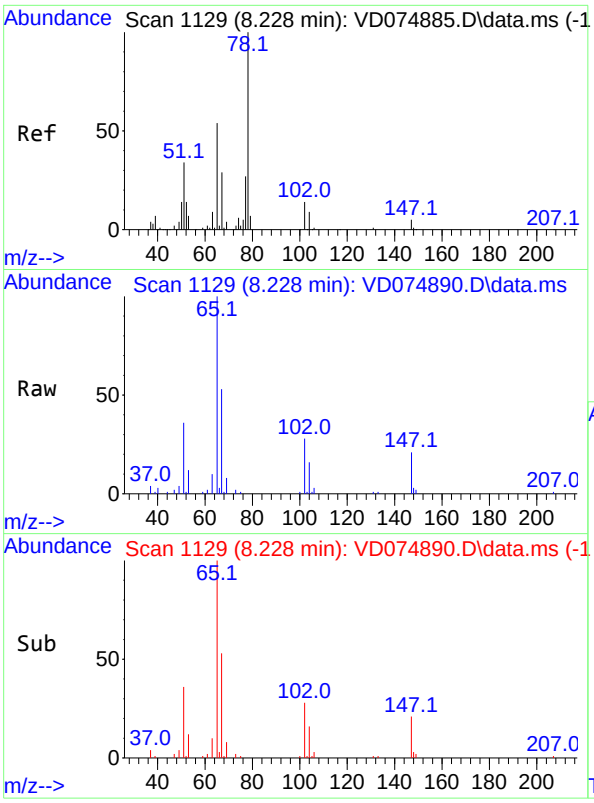




#31
Cyclohexane
Concen: 1.554 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 56 Resp: 3764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 124.5 | 29.2 | 43.8# |
| 84 | 131.3 | 83.4 | 125.2# |



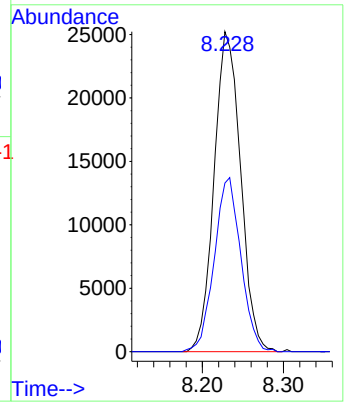


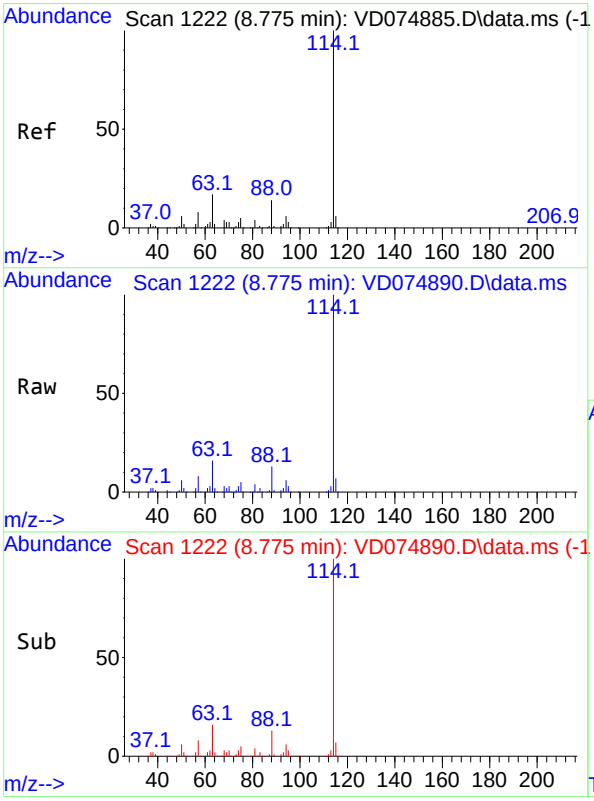

#33
1,2-Dichloroethane-d4
Concen: 52.065 ug/l
RT: 8.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 65 Resp: 57195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.6 | 0.0 | 110.2 |

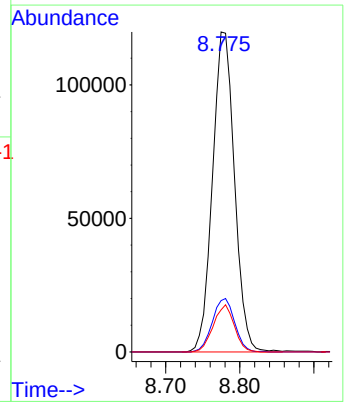


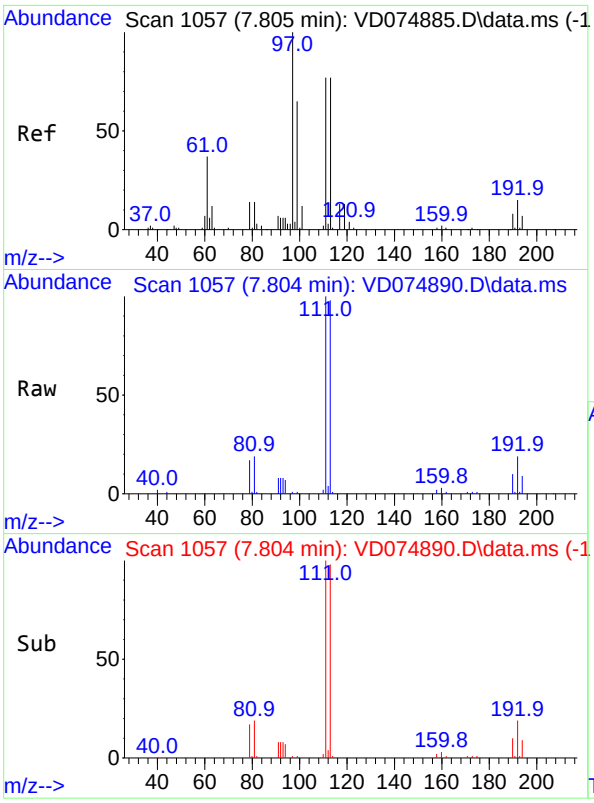




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion:114 Resp: 246874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 16.1 | 0.0 | 33.2 |
| 88 | 13.2 | 0.0 | 28.2 |



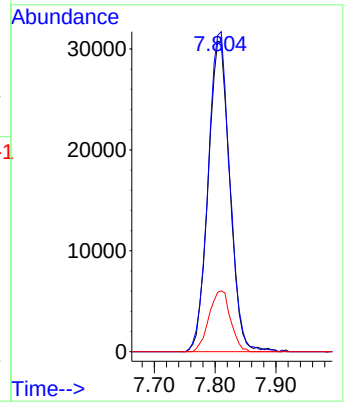


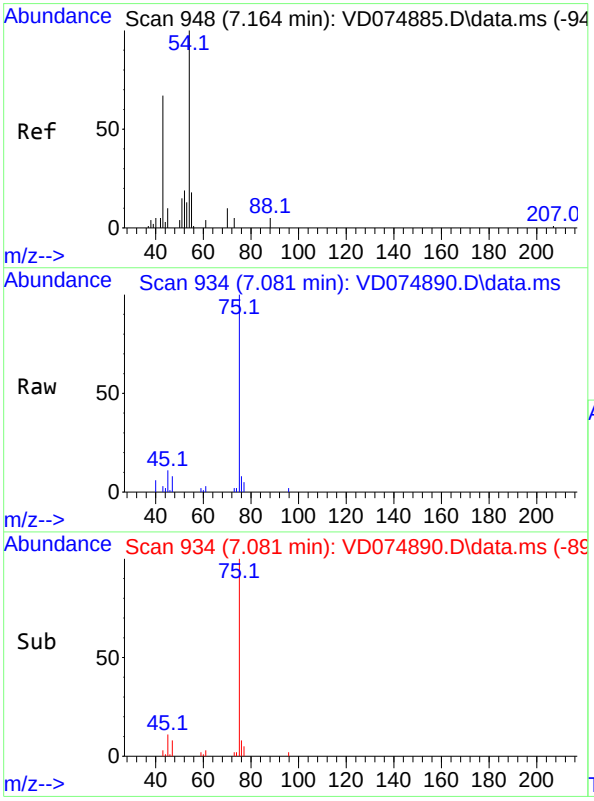

#35
Dibromofluoromethane
Concen: 50.008 ug/l
RT: 7.804 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion:113 Resp: 76103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.3 | 123.5 |
| 192 | 19.4 | 16.4 | 24.6 |

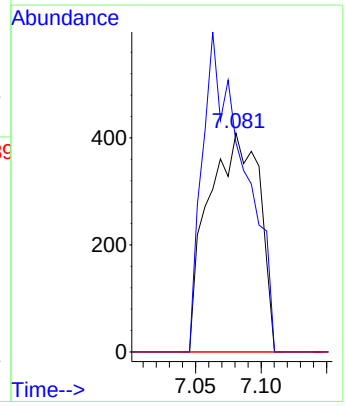


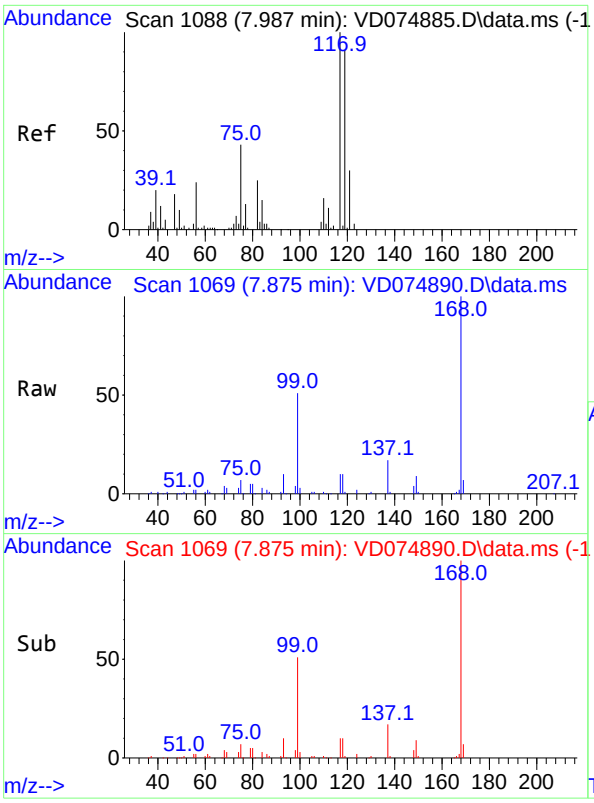




#37
Ethyl Acetate
Concen: 1.475 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.083 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 43 Resp: 1107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 119.2 | 12.2 | 18.4# |
| 70 | 0.0 | 9.6 | 14.4# |



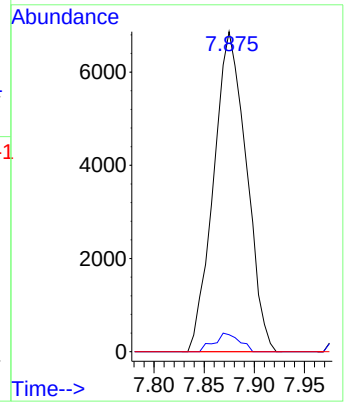


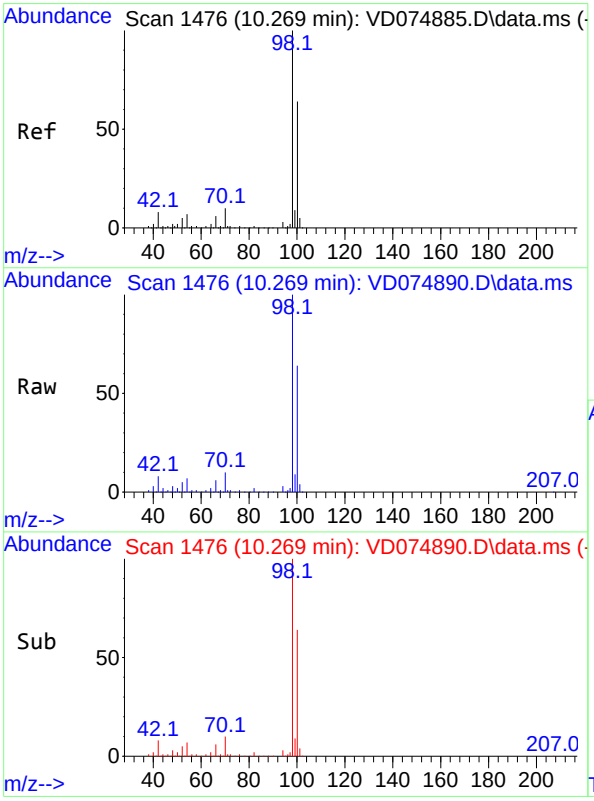

#38
Carbon Tetrachloride
Concen: 7.419 ug/l
RT: 7.875 min Scan# 1
Delta R.T. -0.112 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion:117 Resp: 15618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 73.1 | 109.7# |
| 121 | 0.0 | 25.0 | 37.6# |

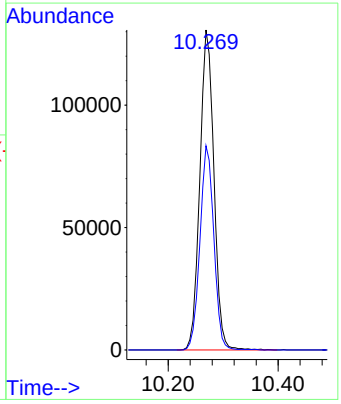


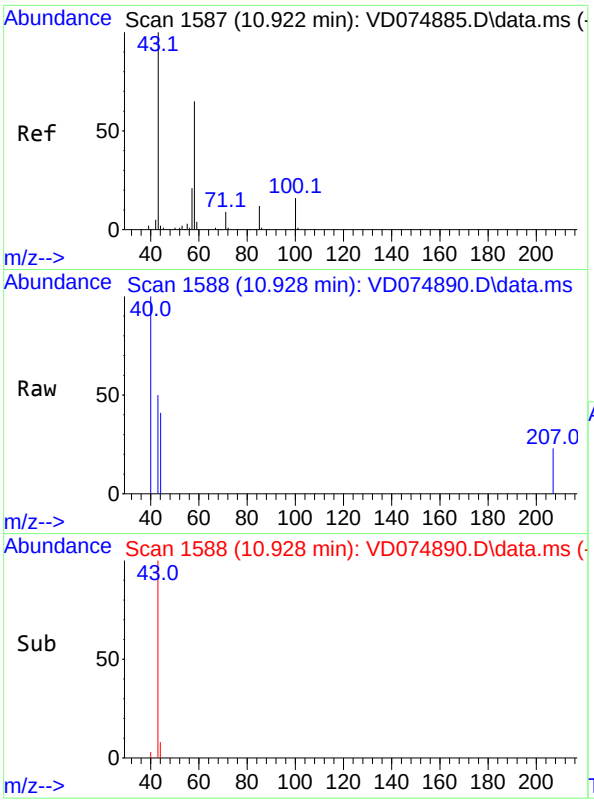




#50
Toluene-d8
Concen: 46.347 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 98 Resp: 232335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.9 | 51.4 | 77.0 |



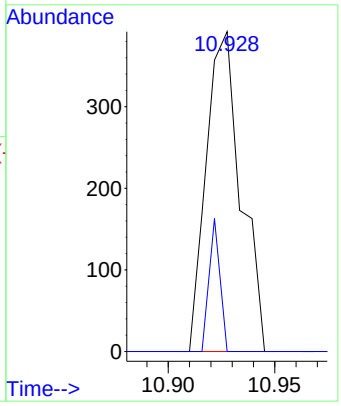


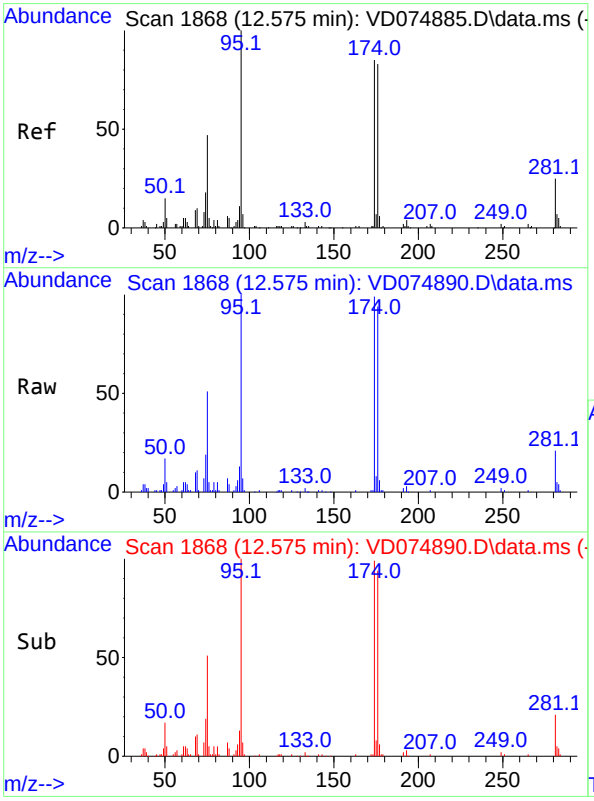

#59
2-Hexanone
Concen: 1.008 ug/l
RT: 10.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 43 Resp: 443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 13.1 | 32.0 | 96.2# |

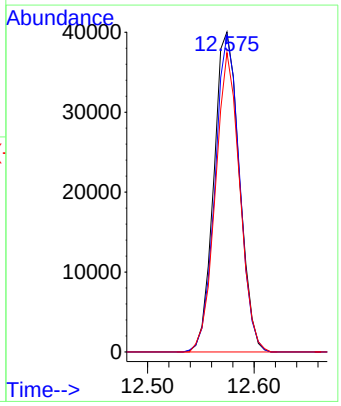


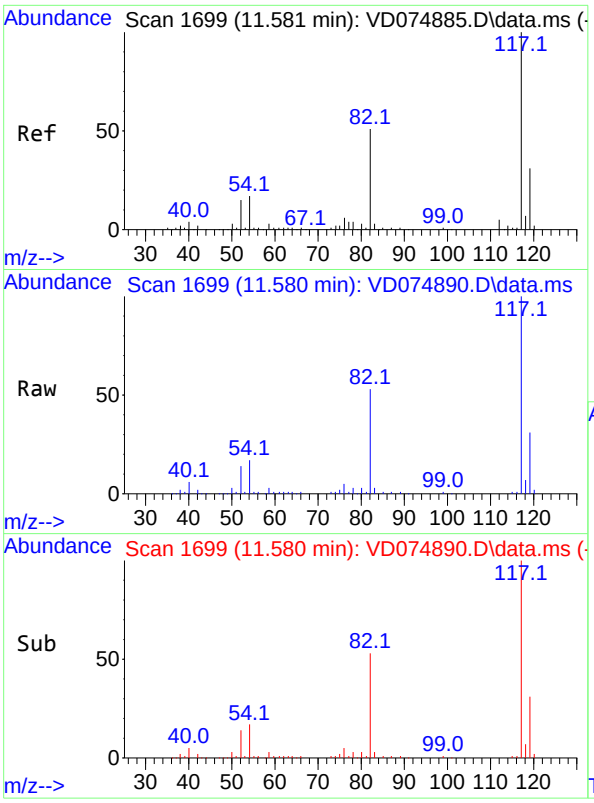




#62
4-Bromofluorobenzene
Concen: 43.175 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 95 Resp: 66459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 95.2 | 0.0 | 197.0 |
| 176 | 89.3 | 0.0 | 182.6 |



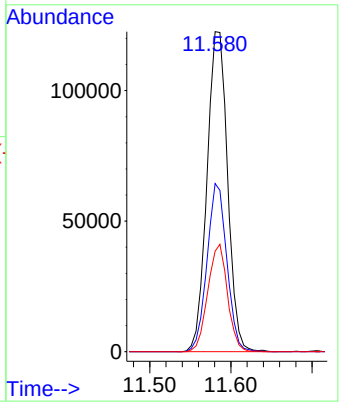


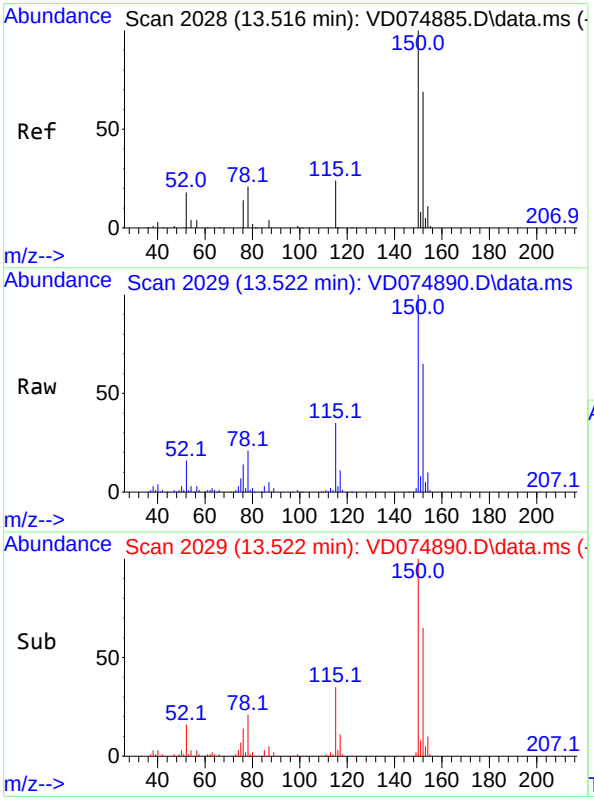

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion:117 Resp: 215678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.6 | 41.6 | 62.4 |
| 119 | 31.4 | 25.2 | 37.8 |

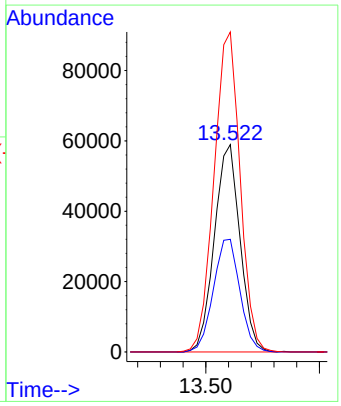


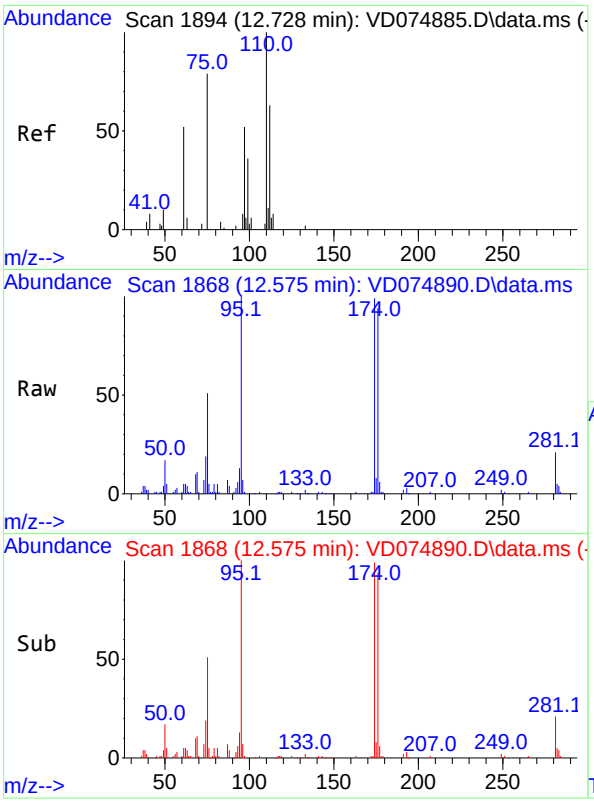




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion:152 Resp: 92504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.3 | 26.8 | 80.4 |
| 150 | 156.9 | 0.0 | 348.2 |



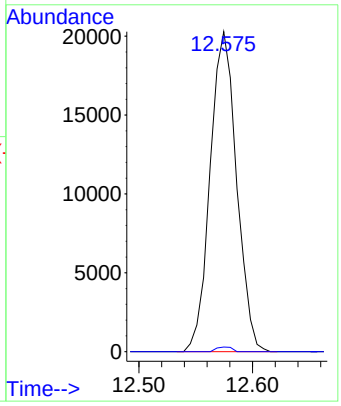


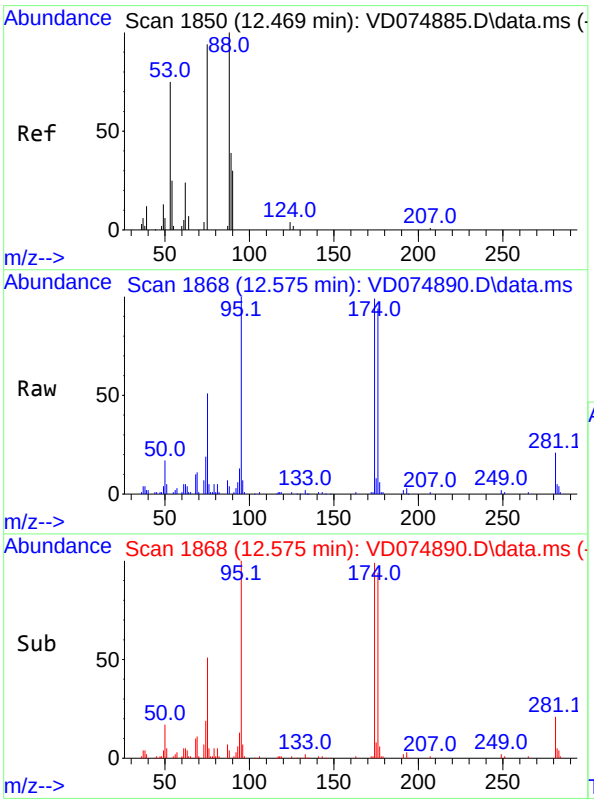

#76
1,2,3-Trichloropropane
Concen: 42.454 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.153 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1111SBL01

Tgt Ion: 75 Resp: 32847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.9 | 185.8 | 557.5# |




#81
trans-1,4-Dichloro-2-butene
Concen: 104.439 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074890.D
Acq: 11 Nov 2022 14:41

Tgt Ion: 75 Resp: 32847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 63.8 | 95.6# |
| 89 | 0.0 | 38.2 | 57.4# |