Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
Data File : VU053103.D
Acq On : 14 Feb 2023 19:12
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Quant Time: Feb 15 00:55:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:41:46 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.244 | 114 | 255511 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.411 | 117 | 231814 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 119539 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.598 | 65 | 110057 | 46.889 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 93.780% | | | |
| 7) Chloroethane-d5 | 1.913 | 69 | 94934 | 47.788 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 95.580% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.566 | 63 | 197416 | 49.034 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.060% | | | |
| 21) 2-Butanone-d5 | 4.627 | 46 | 123662 | 100.807 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 100.810% | | | |
| 24) Chloroform-d | 5.058 | 84 | 208788 | 50.425 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.840% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.698 | 65 | 129126 | 49.040 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.080% | | | |
| 32) Benzene-d6 | 5.723 | 84 | 419363 | 50.711 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.420% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.685 | 67 | 136611 | 50.567 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 101.140% | | | |
| 41) Toluene-d8 | 7.894 | 98 | 385549 | 50.352 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.700% | | | |
| 43) trans-1,3-Dichloroprop... | 8.173 | 79 | 68423 | 49.728 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.460% | | | |
| 47) 2-Hexanone-d5 | 8.627 | 63 | 96457 | 103.358 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 103.360% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.752 | 84 | 180523 | 50.206 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 100.420% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.186 | 152 | 133701 | 50.312 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.620% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 131037 | 50.120 | ug/L | 99 |
| 3) Chloromethane | 1.518 | 50 | 125565 | 49.270 | ug/L | 98 |
| 5) Vinyl chloride | 1.605 | 62 | 135916 | 49.760 | ug/L | 100 |
| 6) Bromomethane | 1.859 | 94 | 85123 | 49.024 | ug/L | 100 |
| 8) Chloroethane | 1.933 | 64 | 82619 | 49.692 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.135 | 101 | 175933 | 49.536 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579 | 101 | 96870 | 48.785 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.579 | 96 | 91624 | 48.762 | ug/L | 99 |
| 13) Acetone | 2.640 | 43 | 75395 | 97.152 | ug/L | 97 |
| 14) Carbon disulfide | 2.791 | 76 | 296627 | 48.708 | ug/L | 99 |
| 15) Methyl Acetate | 2.949 | 43 | 85585 | 51.171 | ug/L | 97 |
| 16) Methylene chloride | 3.042 | 84 | 106664 | 49.382 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 3.347 | 96 | 94177 | 49.341 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 3.357 | 73 | 325079 | 50.682 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.865 | 63 | 187991 | 50.205 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 4.662 | 96 | 109566 | 49.291 | ug/L | 99 |
| 22) 2-Butanone | 4.704 | 43 | 118915 | 100.843 | ug/L | 95 |
| 23) Bromochloromethane | 4.971 | 128 | 53425 | 51.202 | ug/L | 100 |
| 25) Chloroform | 5.084 | 83 | 188334 | 49.356 | ug/L | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
Data File : VU053103.D
Acq On : 14 Feb 2023 19:12
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Quant Time: Feb 15 00:55:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:41:46 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.788 | 62 | 149564 | 50.501 | ug/L | 100 |
| 29) Cyclohexane | 5.383 | 56 | 175475 | 51.225 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 5.312 | 97 | 167781 | 51.799 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.521 | 117 | 141070 | 51.255 | ug/L | 99 |
| 33) Benzene | 5.768 | 78 | 418301 | 51.298 | ug/L | 100 |
| 34) Trichloroethene | 6.537 | 95 | 108141 | 51.109 | ug/L | 98 |
| 35) Methylcyclohexane | 6.759 | 83 | 185757 | 50.687 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.784 | 63 | 116478 | 51.800 | ug/L | 99 |
| 38) Bromodichloromethane | 7.100 | 83 | 145862 | 51.571 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.601 | 75 | 193877 | 52.506 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.788 | 43 | 240510 | 100.439 | ug/L | 99 |
| 42) Toluene | 7.964 | 91 | 444726 | 51.272 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.206 | 75 | 175628 | 51.349 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 8.395 | 97 | 105018 | 51.499 | ug/L | 98 |
| 46) Tetrachloroethene | 8.550 | 164 | 72122 | 51.455 | ug/L | 99 |
| 48) 2-Hexanone | 8.681 | 43 | 181501 | 96.057 | ug/L | 99 |
| 49) Dibromochloromethane | 8.804 | 129 | 108698 | 51.607 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.919 | 107 | 111184 | 51.330 | ug/L | 98 |
| 51) Chlorobenzene | 9.443 | 112 | 273994 | 50.991 | ug/L | 99 |
| 52) Ethylbenzene | 9.566 | 91 | 493762 | 51.043 | ug/L | 98 |
| 53) m,p-Xylene | 9.691 | 106 | 189479 | 52.090 | ug/L | 98 |
| 54) o-xylene | 10.096 | 106 | 185062 | 51.316 | ug/L | 99 |
| 55) Styrene | 10.109 | 104 | 309478 | 51.739 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 165847 | 50.139 | ug/L | 99 |
| 59) Bromoform | 10.286 | 173 | 75331 | 51.196 | ug/L | 100 |
| 60) 1,2,3-Trichloropropane | 10.816 | 75 | 126626 | 50.753 | ug/L | 99 |
| 61) Isopropylbenzene | 10.479 | 105 | 487398 | 51.072 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.083 | 105 | 409562 | 50.687 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.463 | 105 | 390835 | 49.971 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.739 | 146 | 198869 | 50.886 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.832 | 146 | 199892 | 50.416 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.205 | 146 | 198804 | 50.331 | ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75 | 36512 | 49.644 | ug/L | 94 |
| 69) 1,3,5-Trichlorobenzene | 13.215 | 180 | 127584 | 48.157 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.836 | 180 | 117837 | 46.997 | ug/L | 99 |
| 71) Naphthalene | 14.080 | 128 | 410924 | 42.686 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.324 | 180 | 119240 | 47.362 | ug/L | 100 |

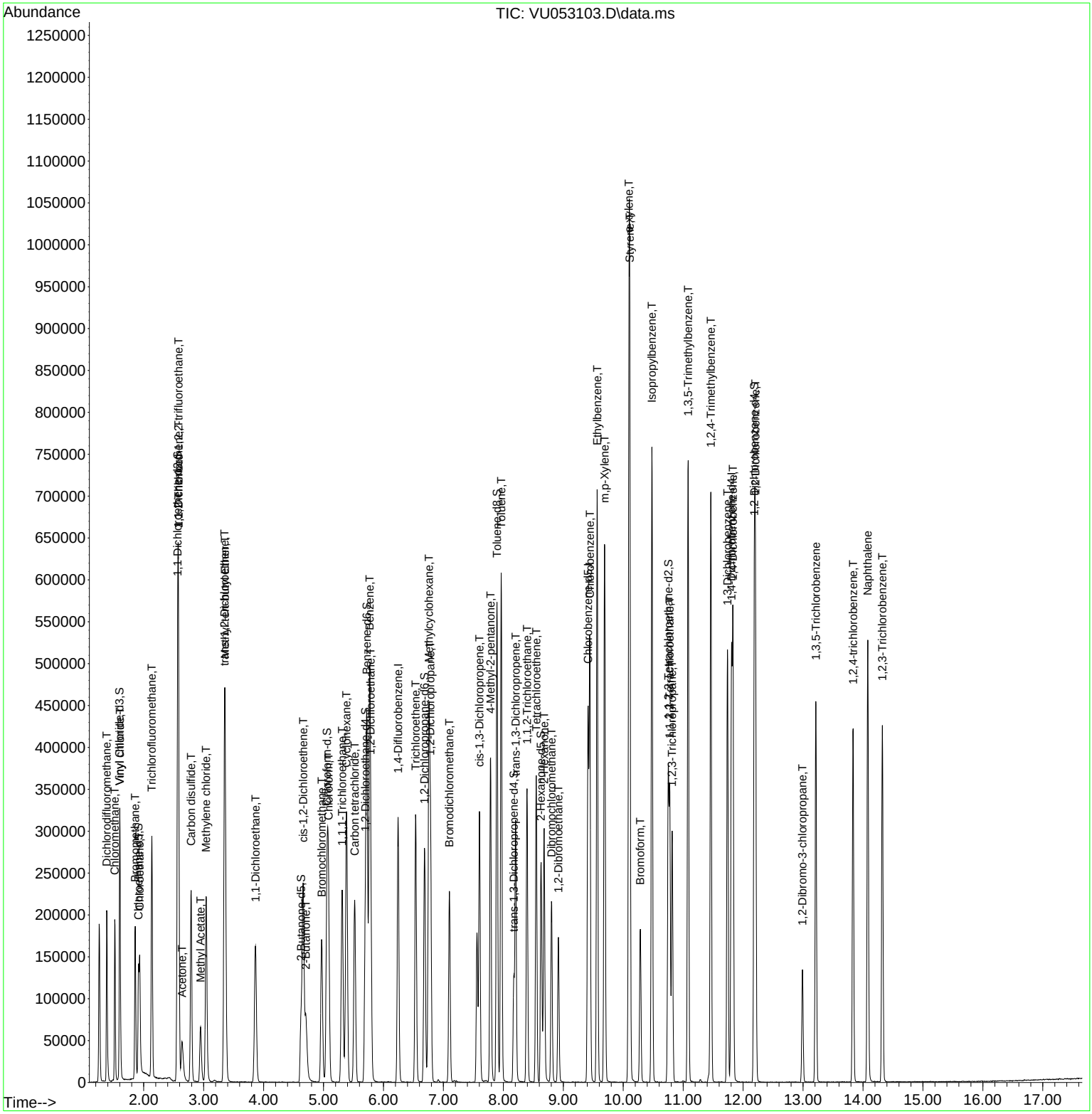
(#) = qualifier out of range (m) = manual integration (+) = signals summed

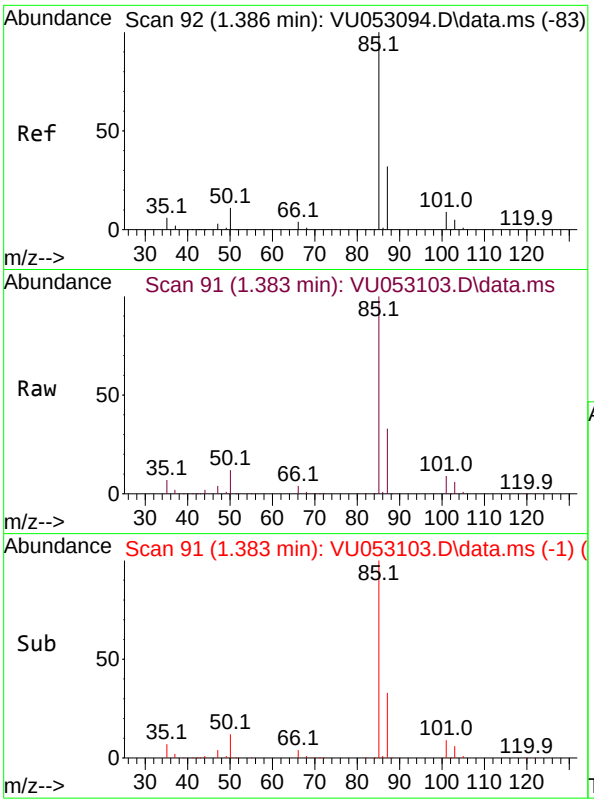
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
Data File : VU053103.D
Acq On : 14 Feb 2023 19:12
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Quant Time: Feb 15 00:55:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 15 00:41:46 2023
Response via : Initial Calibration



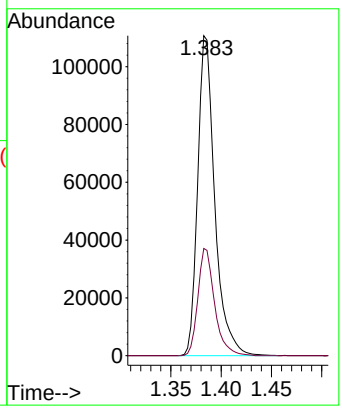


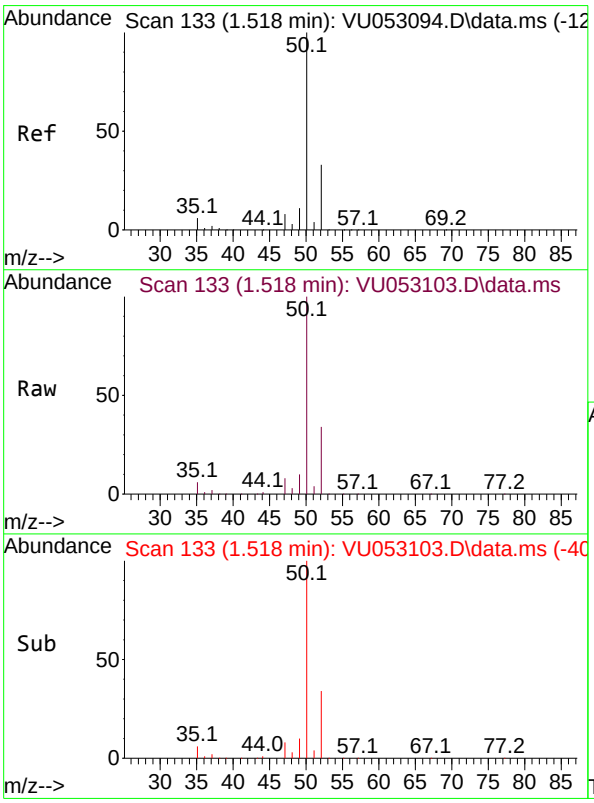

#2
Dichlorodifluoromethane
Concen: 50.120 ug/L
RT: 1.383 min Scan# 9
Delta R.T. -0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 85 Resp: 131037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 25.6 | 38.4 |

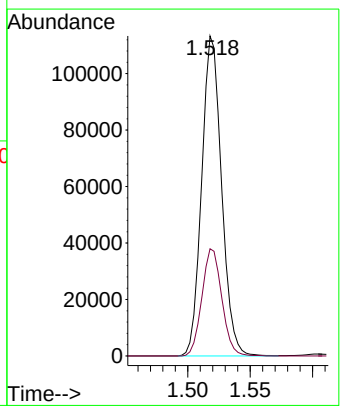


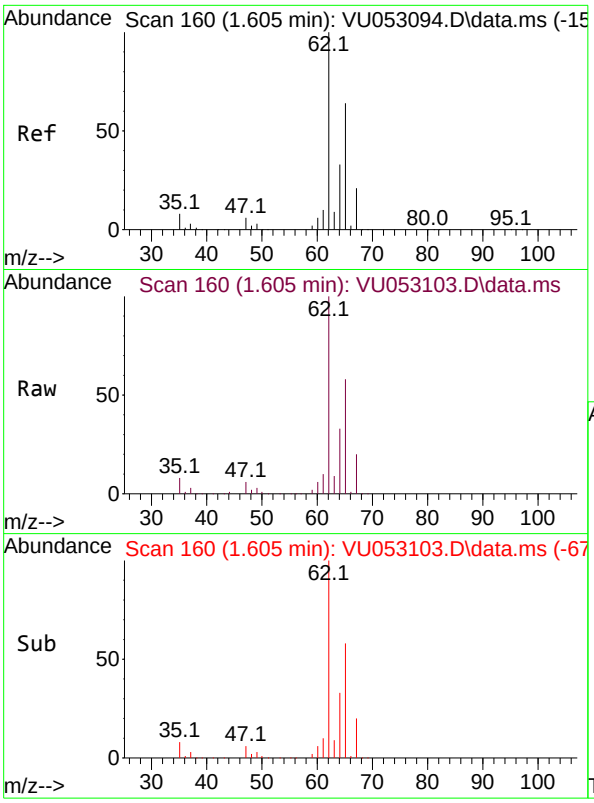




#3
Chloromethane
Concen: 49.270 ug/L
RT: 1.518 min Scan# 133
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 50 Resp: 125565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 22.8 | 42.4 |



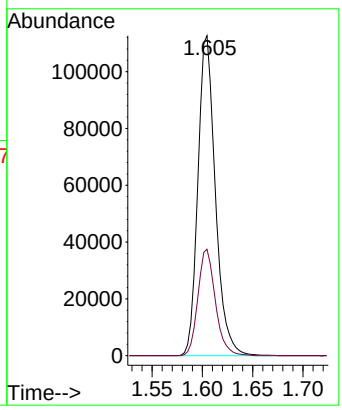


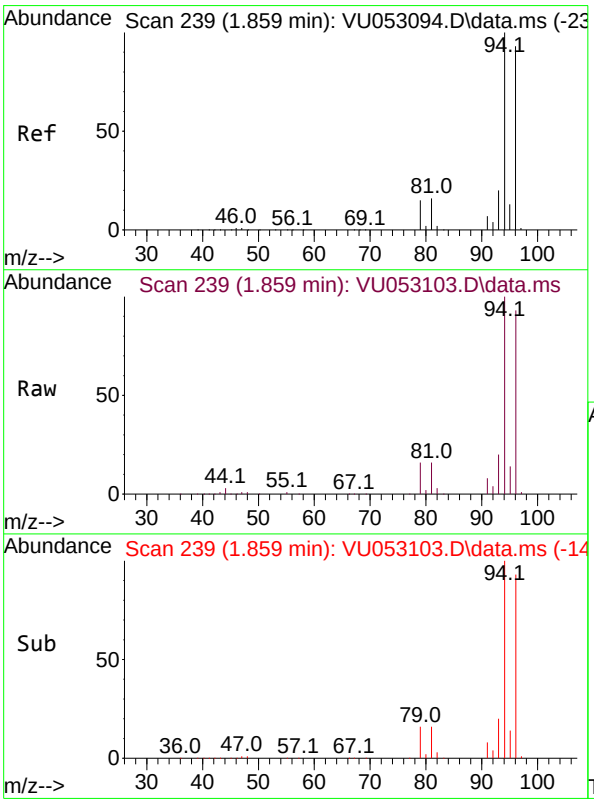

#5
Vinyl chloride
Concen: 49.760 ug/L
RT: 1.605 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 62 Resp: 135916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.2 | 23.4 | 43.6 |

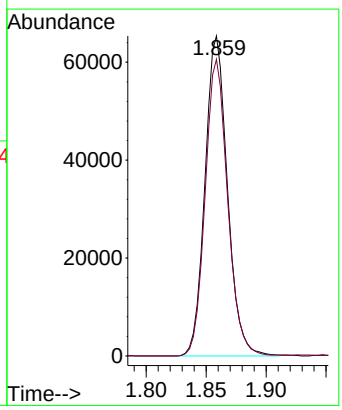


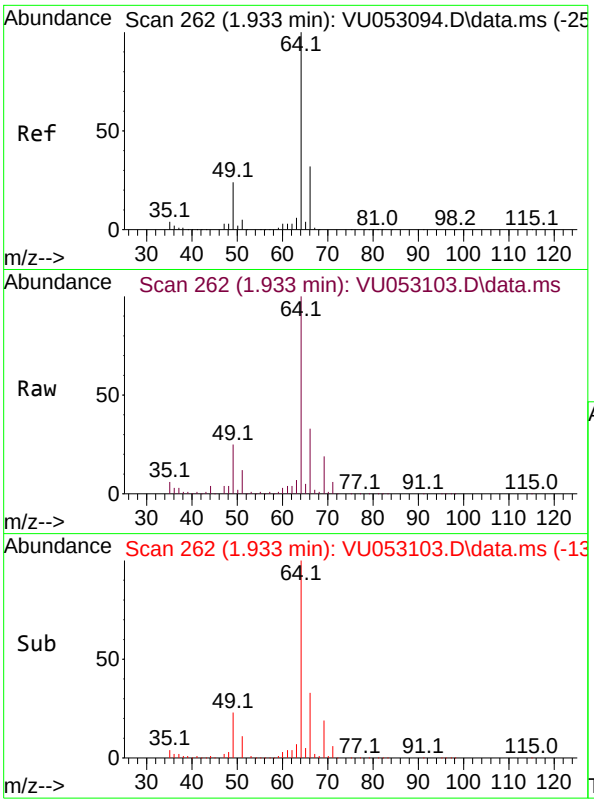




#6
Bromomethane
Concen: 49.024 ug/L
RT: 1.859 min Scan# 239
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 94 Resp: 85123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 65.0 | 120.8 |



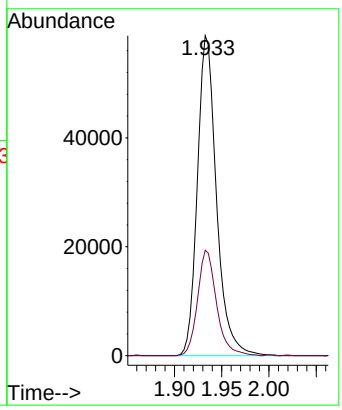


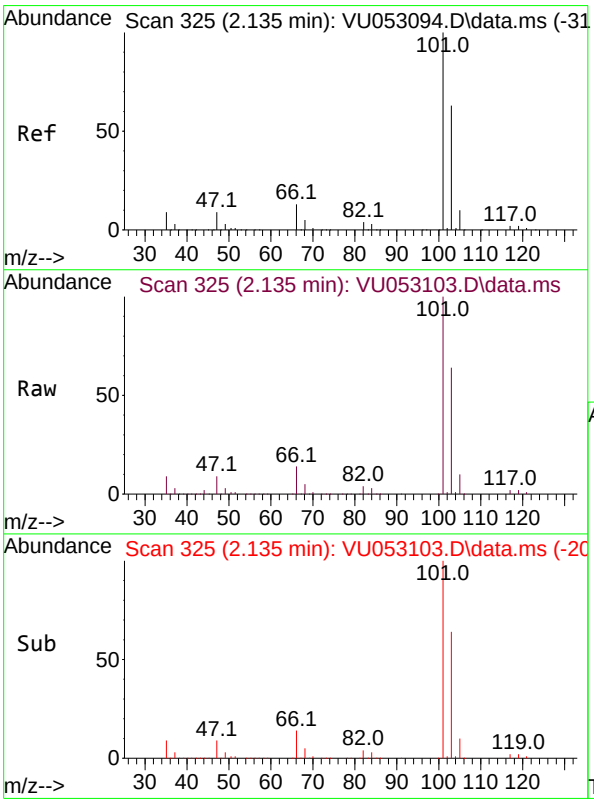

#8
Chloroethane
Concen: 49.692 ug/L
RT: 1.933 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 64 Resp: 82619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.0 | 22.4 | 41.6 |

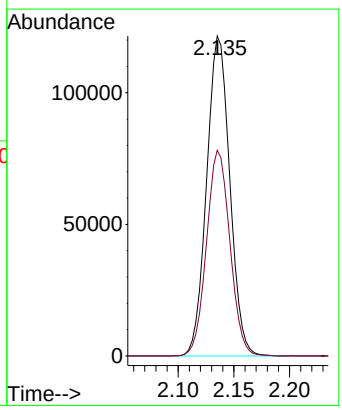


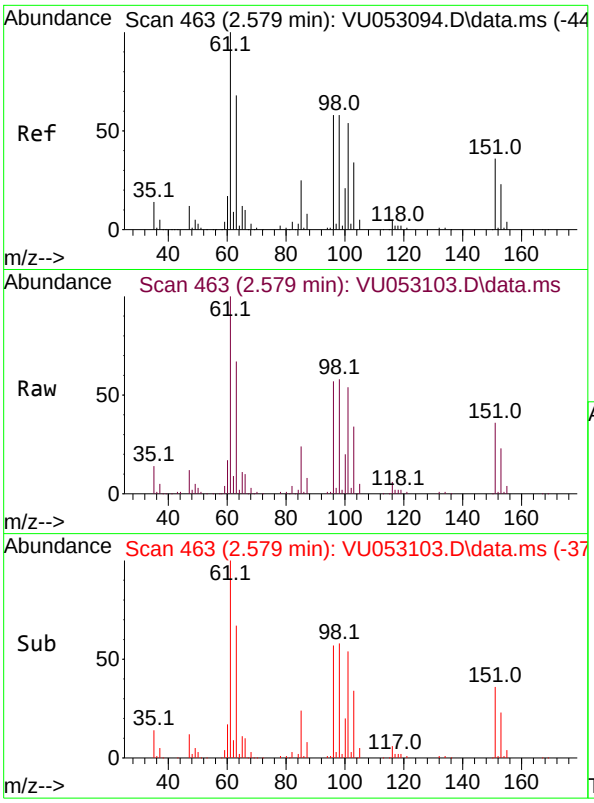




#9
Trichlorofluoromethane
Concen: 49.536 ug/L
RT: 2.135 min Scan# 325
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:101 Resp: 175933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 51.4 | 77.0 |



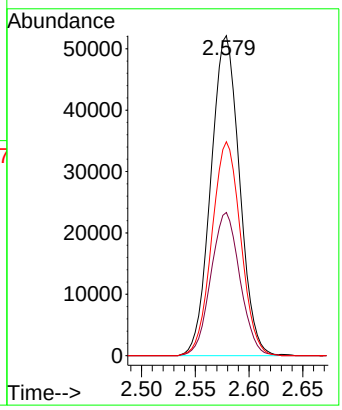


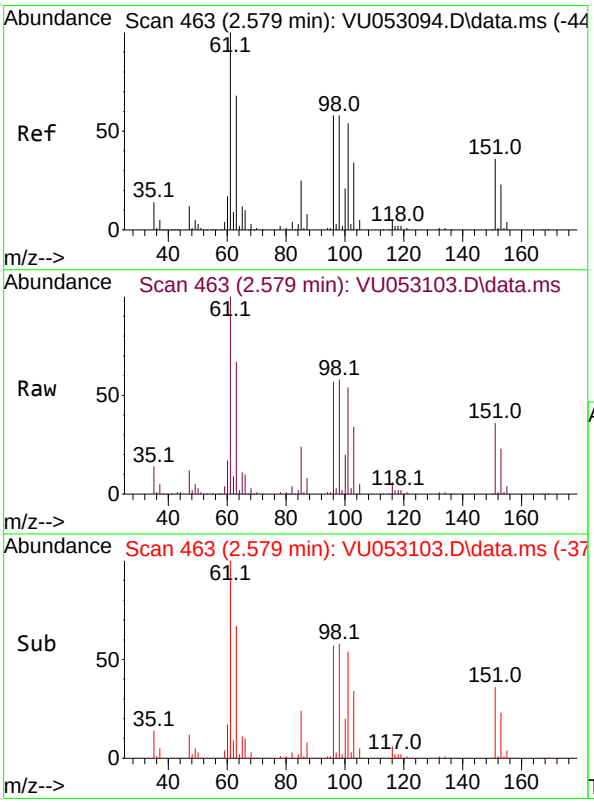

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.785 ug/L
RT: 2.579 min Scan# 4
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:101 Resp: 96870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.3 | 36.6 | 54.8 |
| 151 | 67.3 | 52.6 | 79.0 |

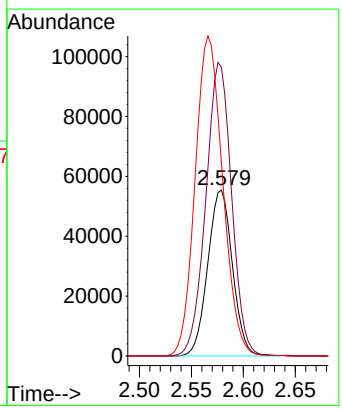


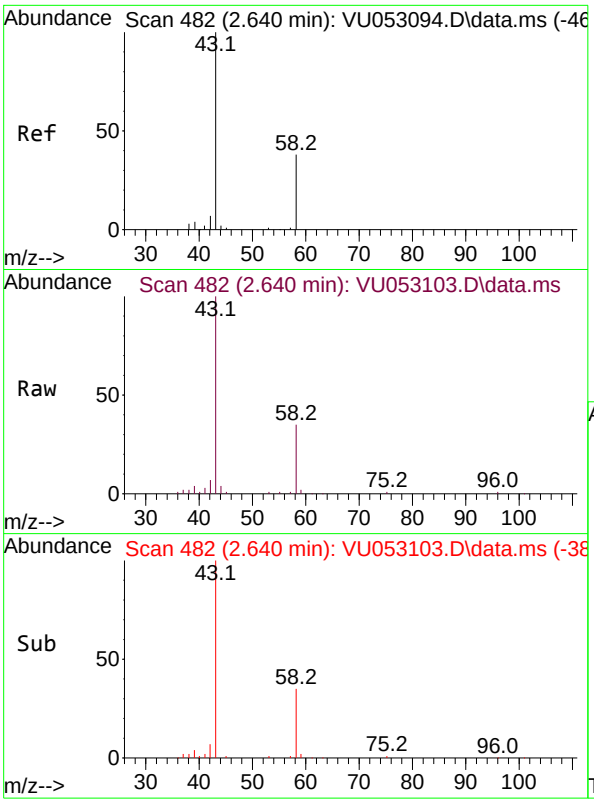




#12
1,1-Dichloroethene
Concen: 48.762 ug/L
RT: 2.579 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 96 Resp: 91624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.1 | 121.9 | 226.3 |
| 63 | 116.8 | 84.2 | 156.4 |



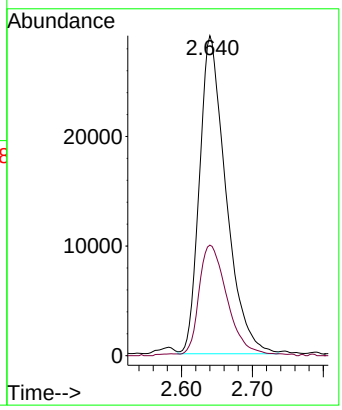


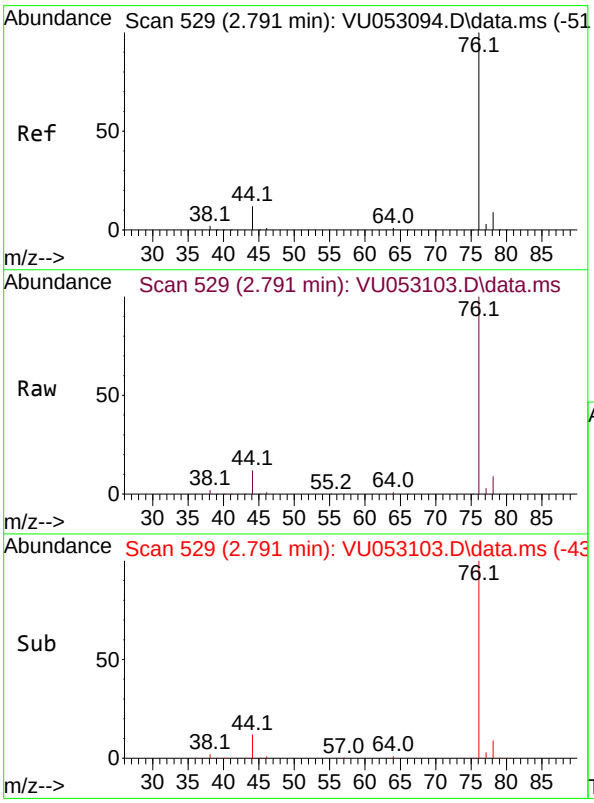

#13
Acetone
Concen: 97.152 ug/L
RT: 2.640 min Scan# 4
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 43 Resp: 75395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.5 | 0.0 | 74.6 |

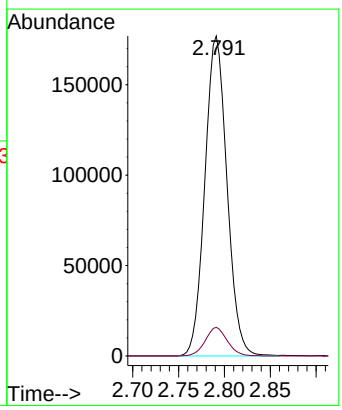


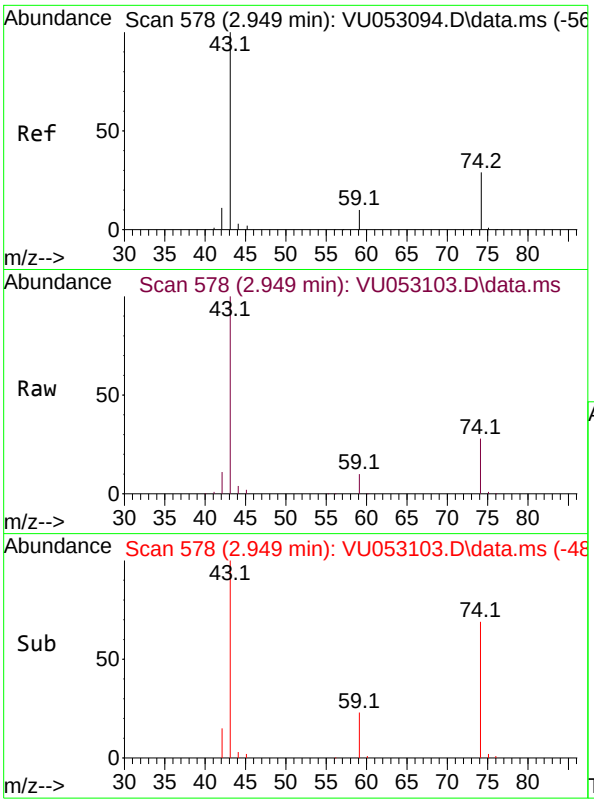




#14
Carbon disulfide
Concen: 48.708 ug/L
RT: 2.791 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 76 Resp: 296627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.4 | 11.0 |



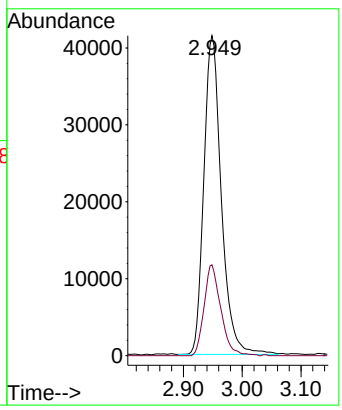


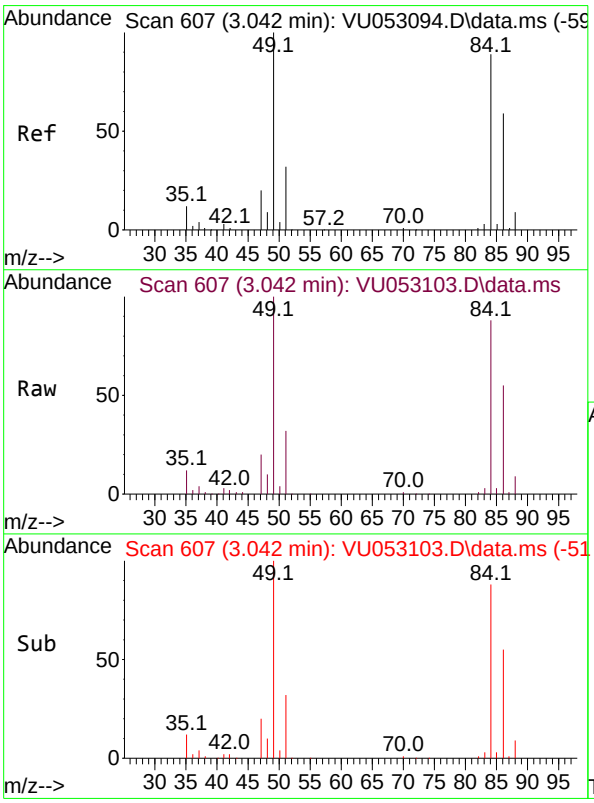

#15
Methyl Acetate
Concen: 51.171 ug/L
RT: 2.949 min Scan# 5
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 43 Resp: 85585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.0 | 22.7 | 34.1 |

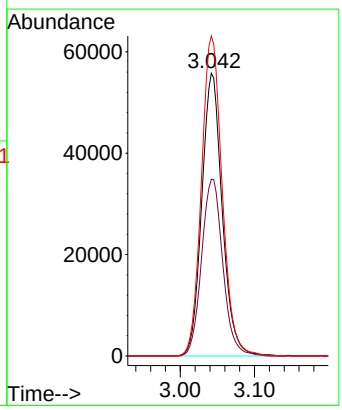


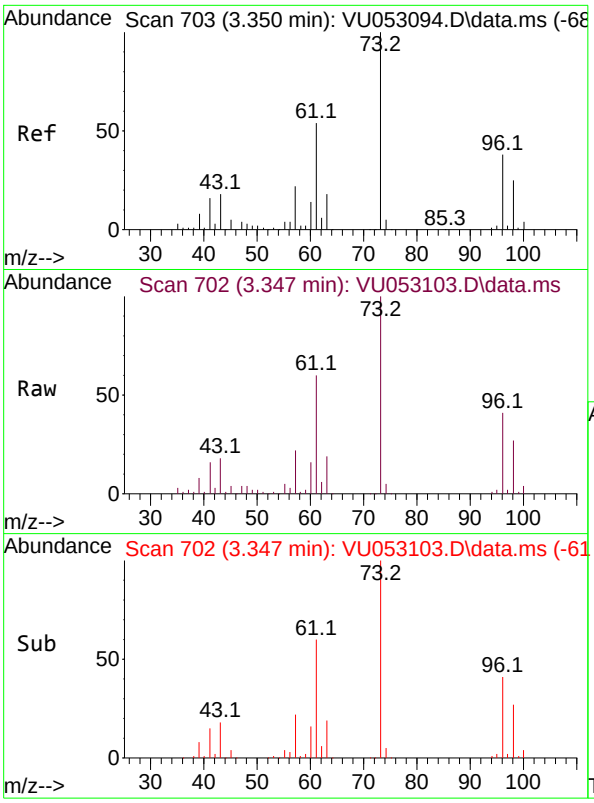




#16
Methylene chloride
Concen: 49.382 ug/L
RT: 3.042 min Scan# 607
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 84 Resp: 106664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.5 | 46.2 | 85.8 |
| 49 | 113.2 | 78.8 | 146.3 |



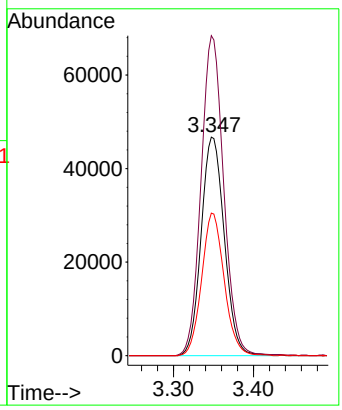


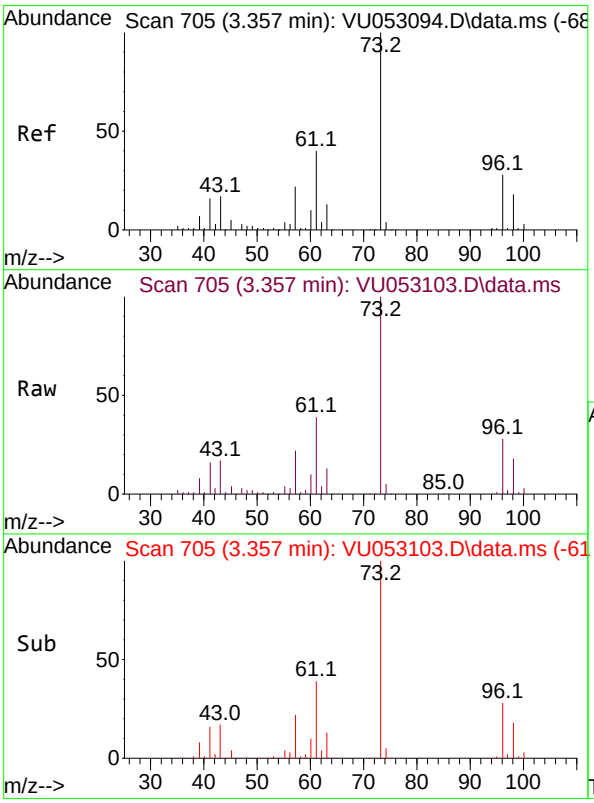

#17
trans-1,2-Dichloroethene
Concen: 49.341 ug/L
RT: 3.347 min Scan# 7
Delta R.T. -0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 96 Resp: 94177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.4 | 99.2 | 184.2 |
| 98 | 65.2 | 45.1 | 83.7 |

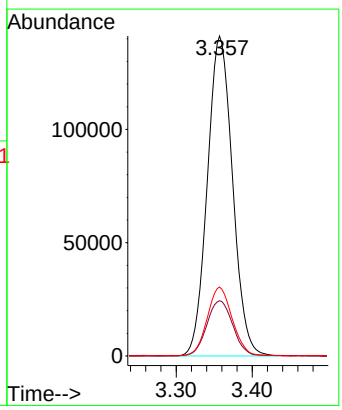


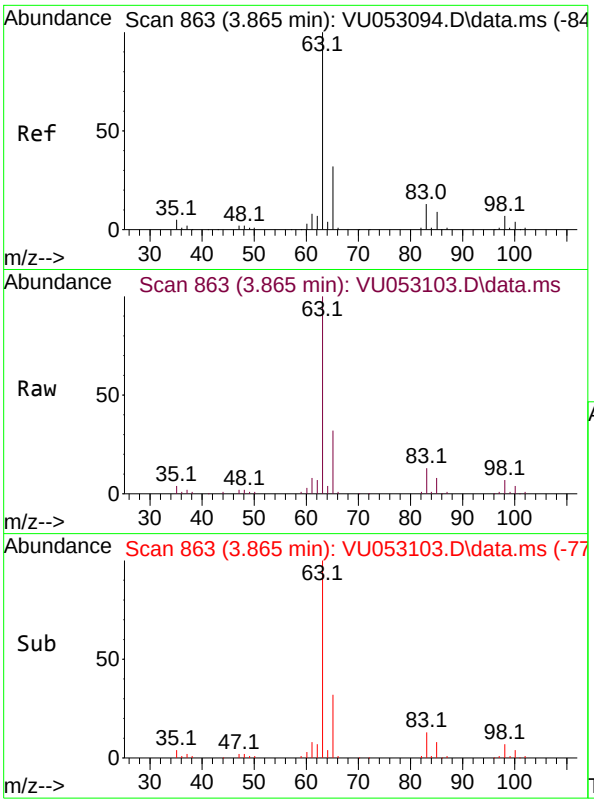




#18
Methyl tert-butyl Ether
Concen: 50.682 ug/L
RT: 3.357 min Scan# 705
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 73 Resp: 325079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.5 | 14.1 | 21.1 |
| 57 | 21.5 | 17.4 | 26.0 |



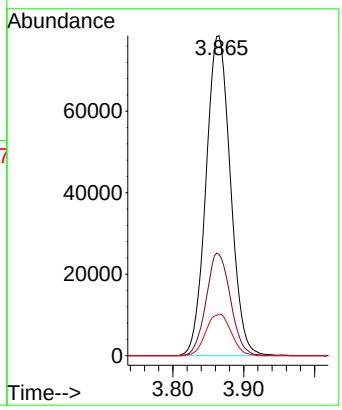


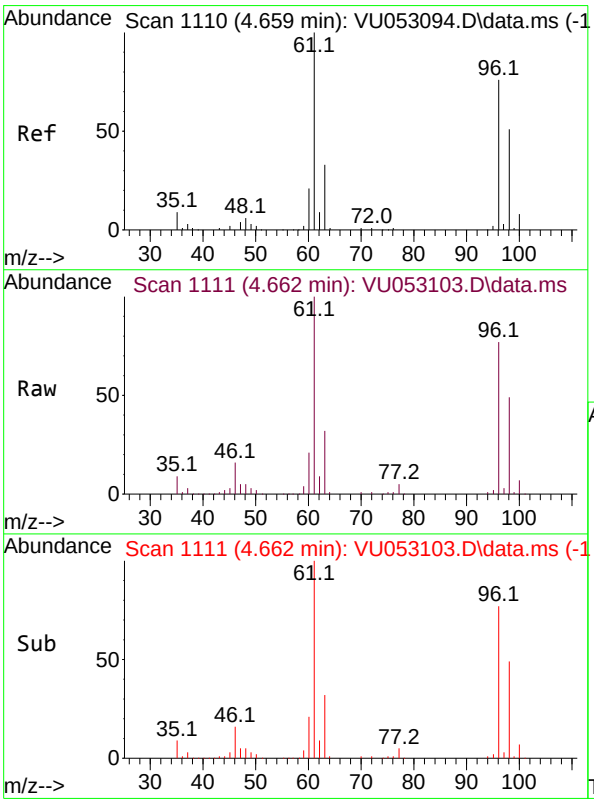

#19
1,1-Dichloroethane
Concen: 50.205 ug/L
RT: 3.865 min Scan# 8
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 63 Resp: 187991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 22.4 | 41.6 |
| 83 | 13.0 | 9.4 | 17.4 |

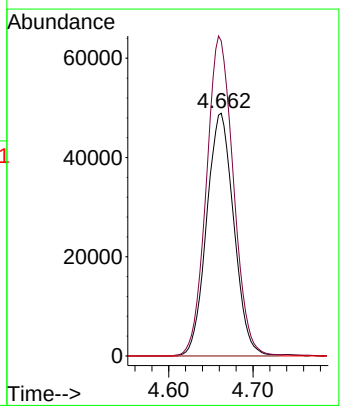


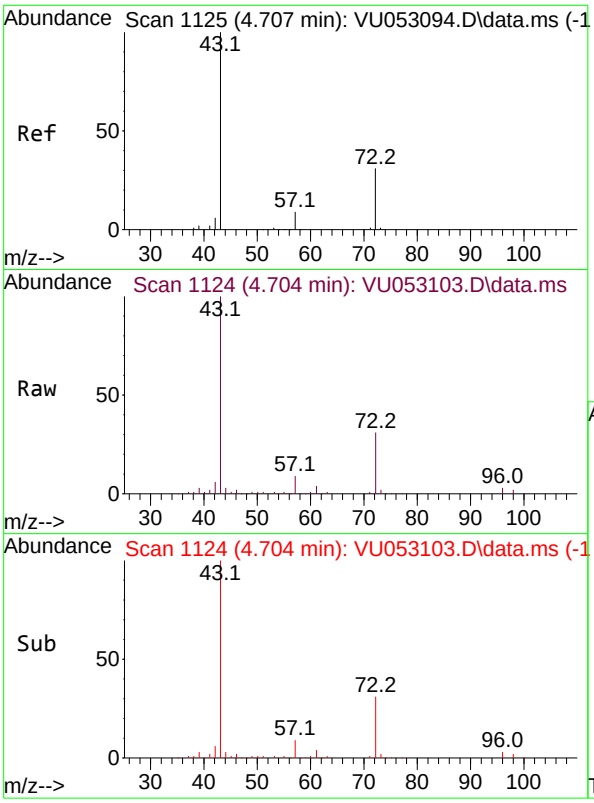




#20
cis-1,2-Dichloroethene
Concen: 49.291 ug/L
RT: 4.662 min Scan# 1111
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 96 Resp: 109566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.8 | 91.9 | 170.7 |
| 68 | 0.0 | 0.0 | 0.0 |



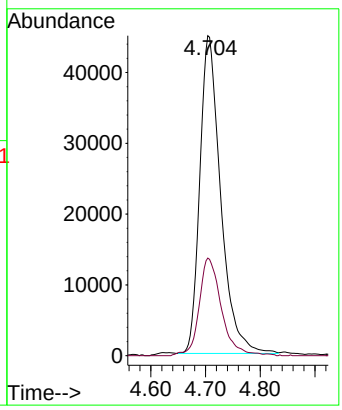


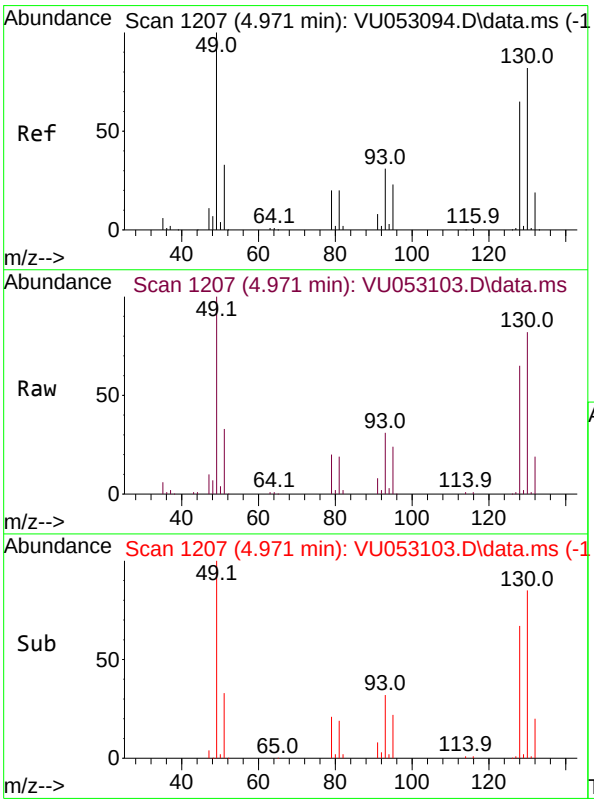

#22
2-Butanone
Concen: 100.843 ug/L
RT: 4.704 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 43 Resp: 118915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.5 | 16.6 | 49.7 |

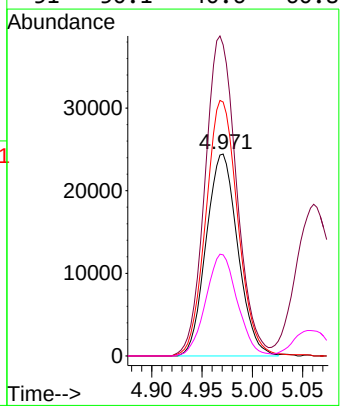


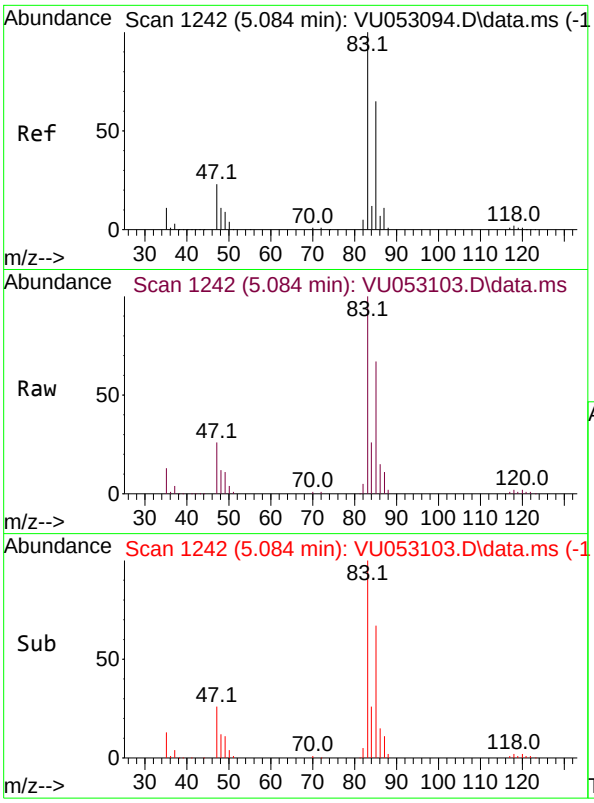




#23
Bromochloromethane
Concen: 51.202 ug/L
RT: 4.971 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:128 Resp: 53425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 154.0 | 107.6 | 199.8 |
| 130 | 125.7 | 87.9 | 163.3 |
| 51 | 50.1 | 40.6 | 60.8 |



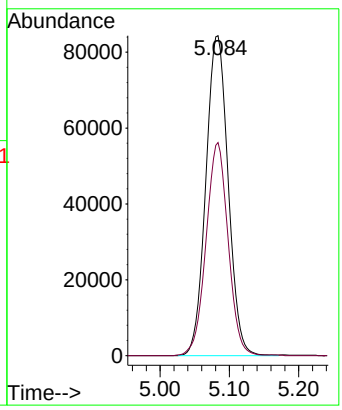


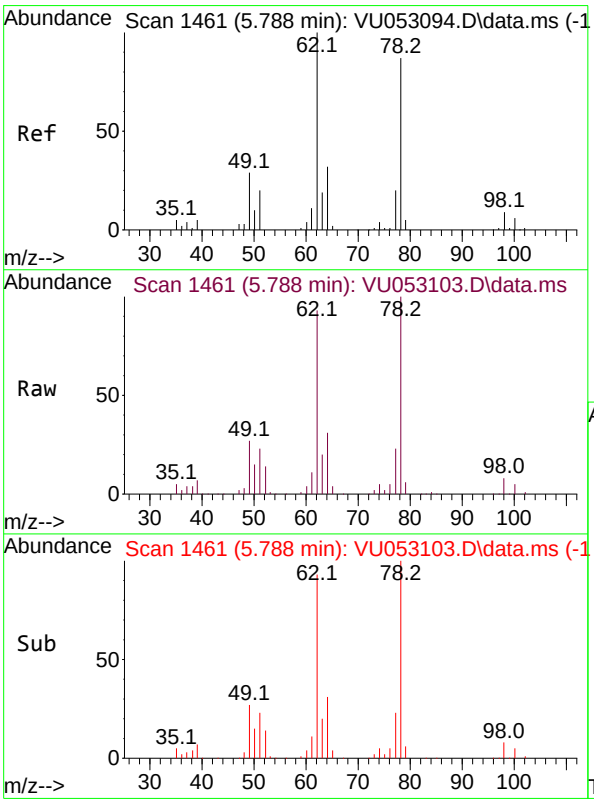

#25
Chloroform
Concen: 49.356 ug/L
RT: 5.084 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 83 Resp: 188334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.6 | 45.8 | 85.0 |

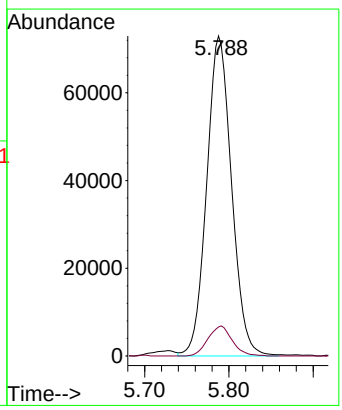


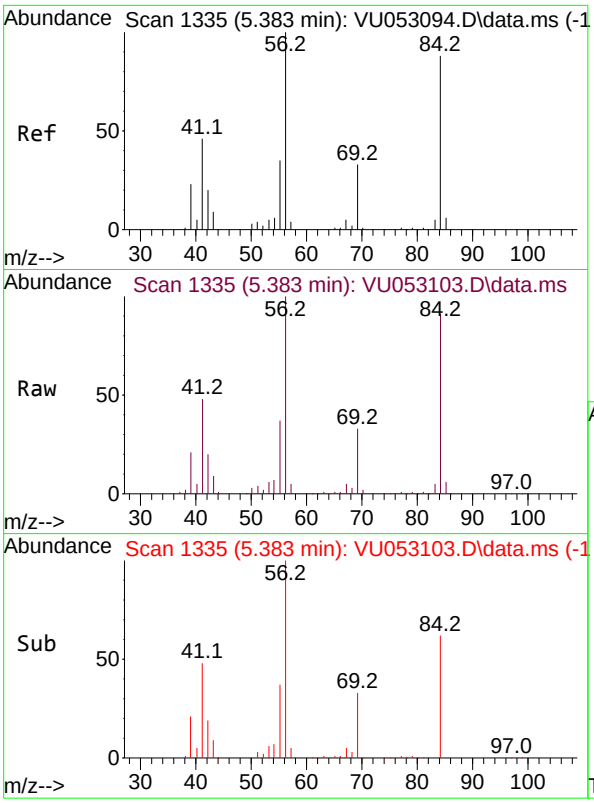




#27
1,2-Dichloroethane
Concen: 50.501 ug/L
RT: 5.788 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 62 Resp: 149564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 7.2 | 10.8 |



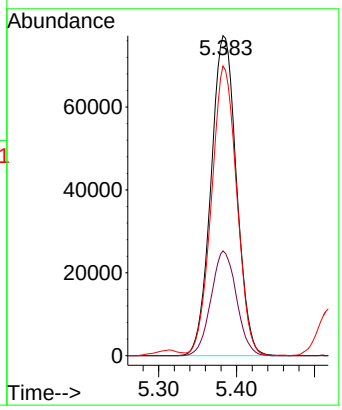


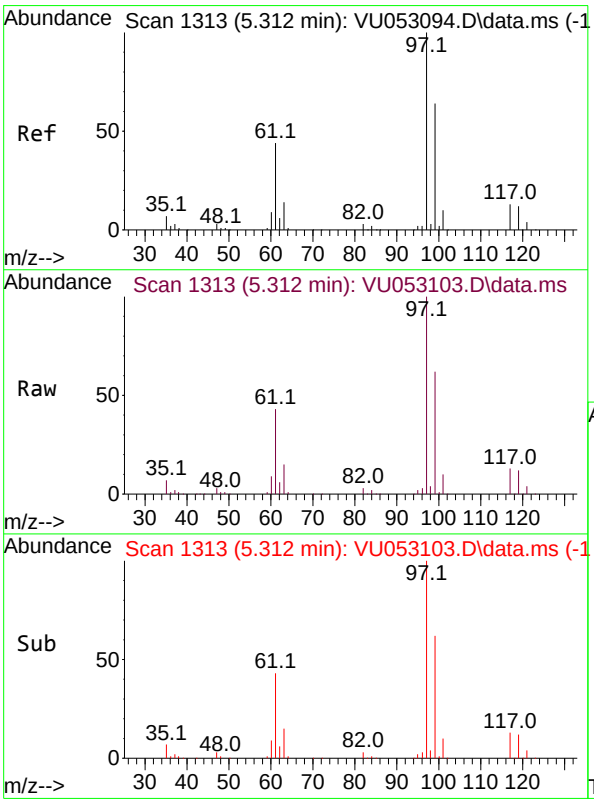

#29
Cyclohexane
Concen: 51.225 ug/L
RT: 5.383 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 56 Resp: 175475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.6 | 25.9 | 38.9 |
| 84 | 89.8 | 70.7 | 106.1 |

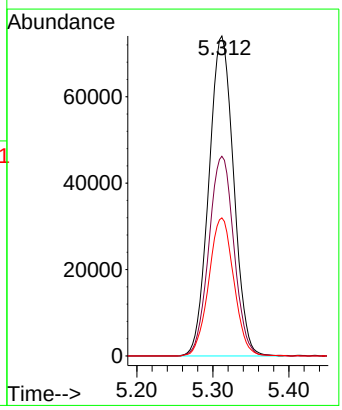


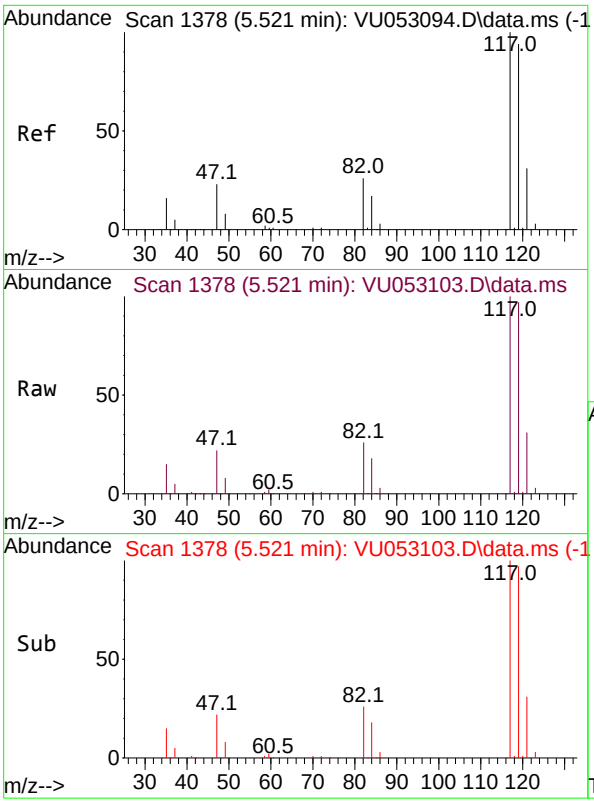




#30
1,1,1-Trichloroethane
Concen: 51.799 ug/L
RT: 5.312 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 97 Resp: 167781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.3 | 76.9 |
| 61 | 43.7 | 35.3 | 52.9 |



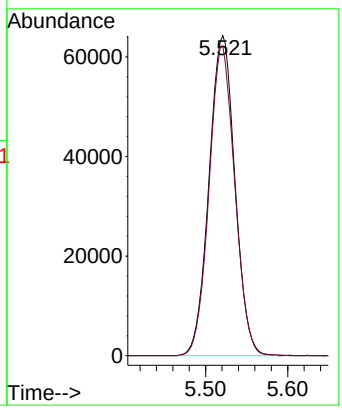


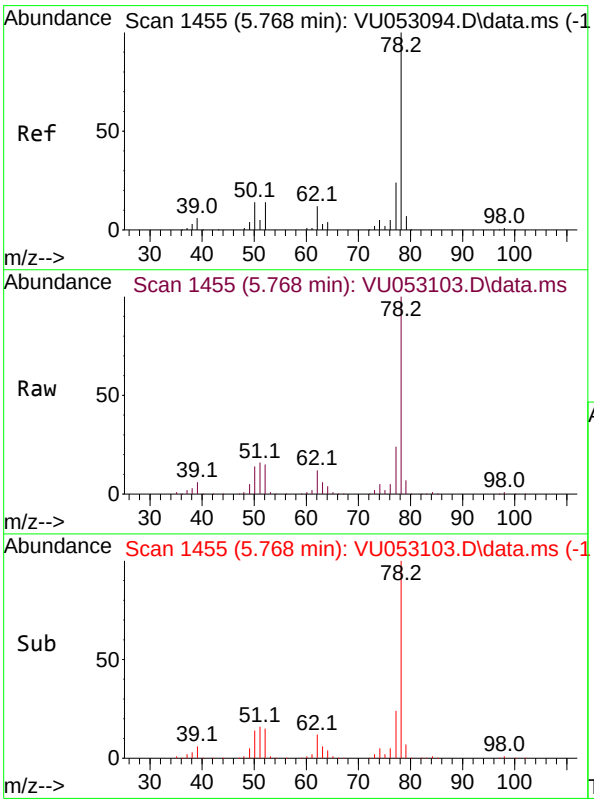

#31
Carbon tetrachloride
Concen: 51.255 ug/L
RT: 5.521 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:117 Resp: 141070

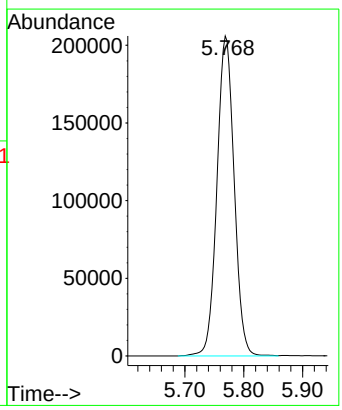
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 75.9 | 113.9 |

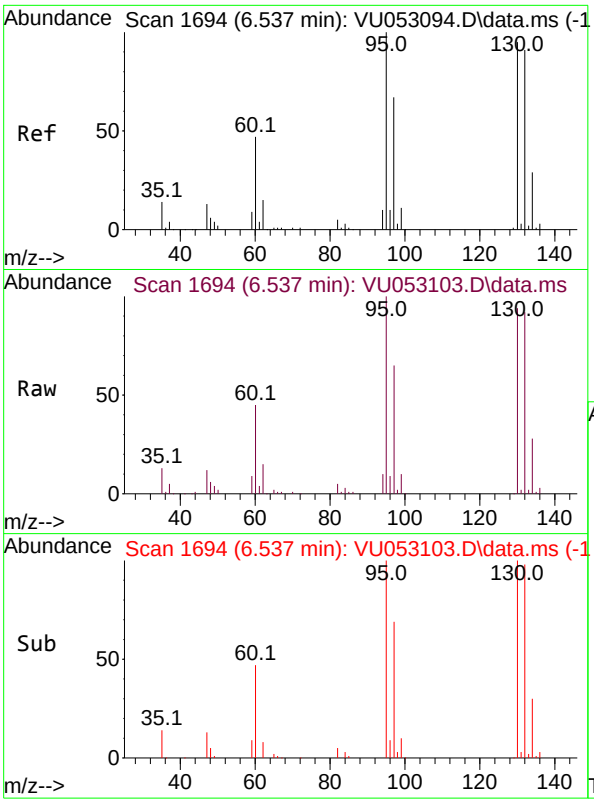



#33
Benzene
Concen: 51.298 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 78 Resp: 418301



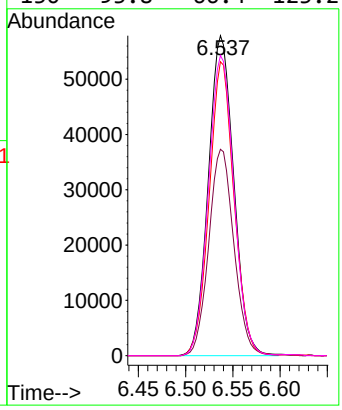


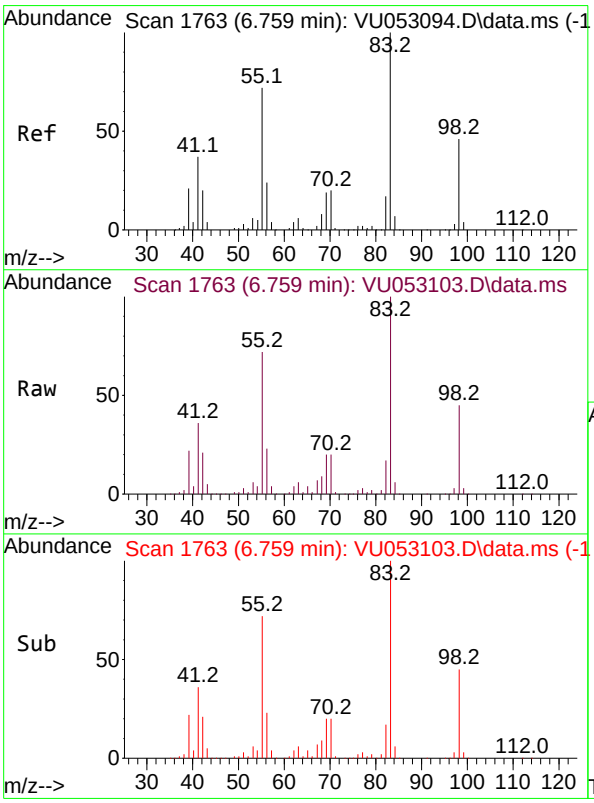

#34
Trichloroethene
Concen: 51.109 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 95 Resp: 108141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.5 | 47.1 | 87.5 |
| 132 | 91.8 | 63.6 | 118.2 |
| 130 | 93.8 | 66.4 | 123.2 |

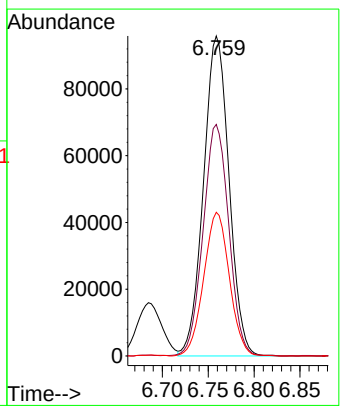


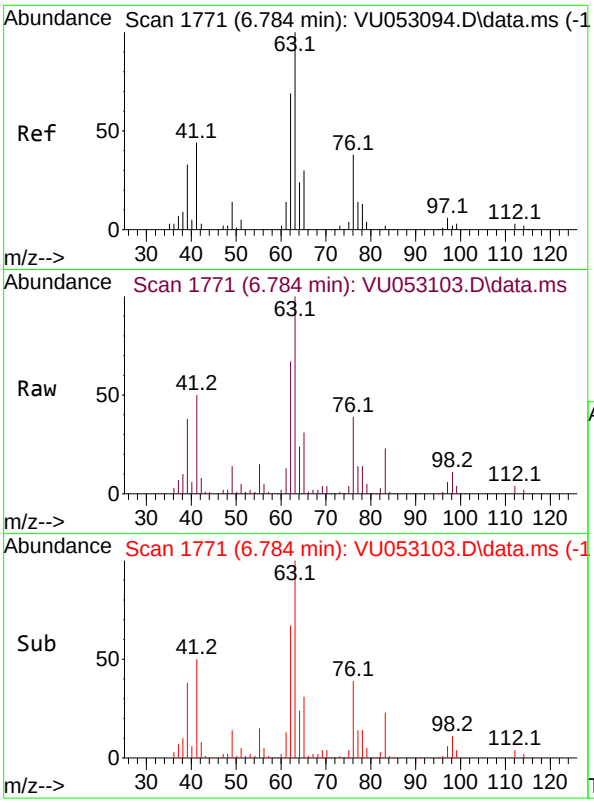




#35
Methylcyclohexane
Concen: 50.687 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 83 Resp: 185757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.3 | 57.4 | 86.2 |
| 98 | 45.1 | 36.1 | 54.1 |



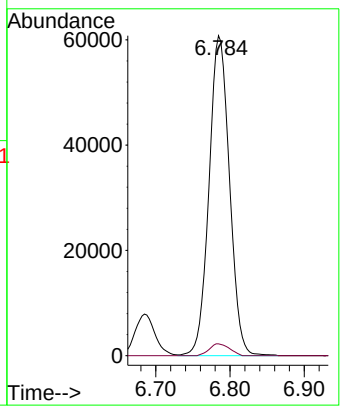


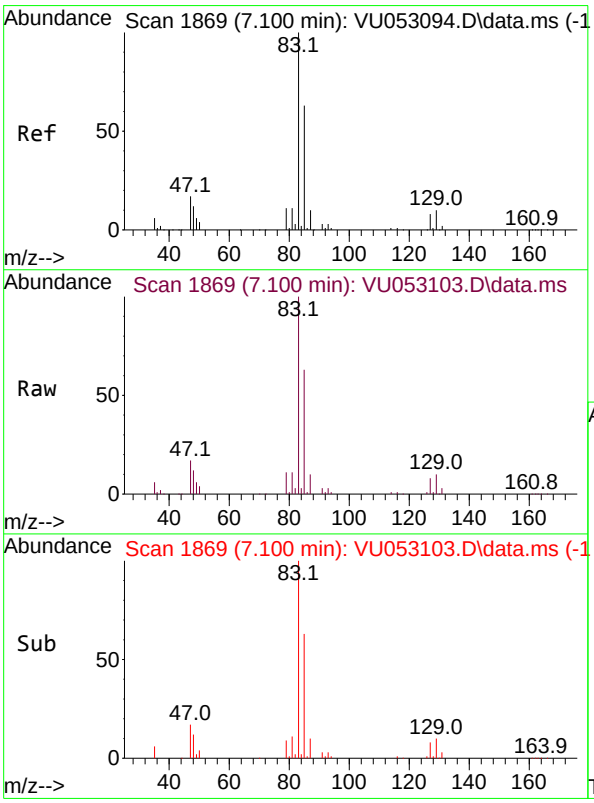

#37
1,2-Dichloropropane
Concen: 51.800 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 63 Resp: 116478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.6 | 2.7 | 4.1 |

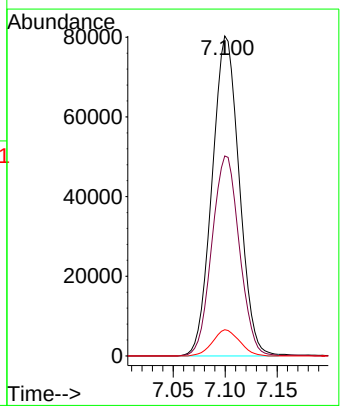


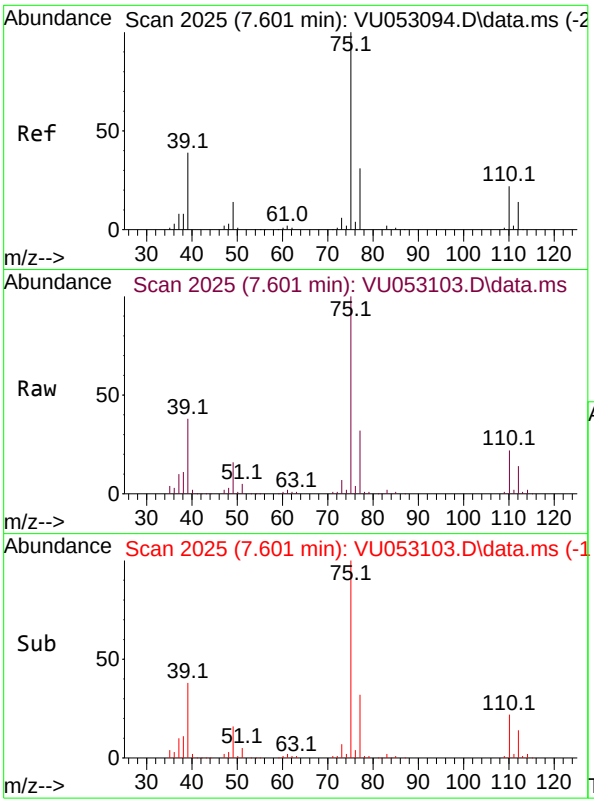




#38
Bromodichloromethane
Concen: 51.571 ug/L
RT: 7.100 min Scan# 1869
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 83 Resp: 145862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 44.2 | 82.0 |
| 127 | 8.2 | 6.2 | 9.2 |



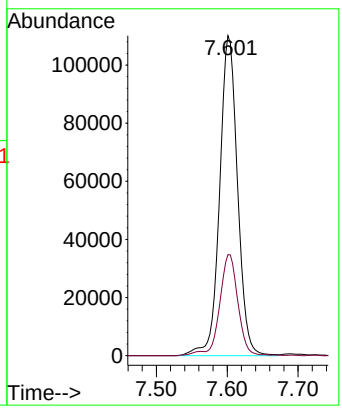


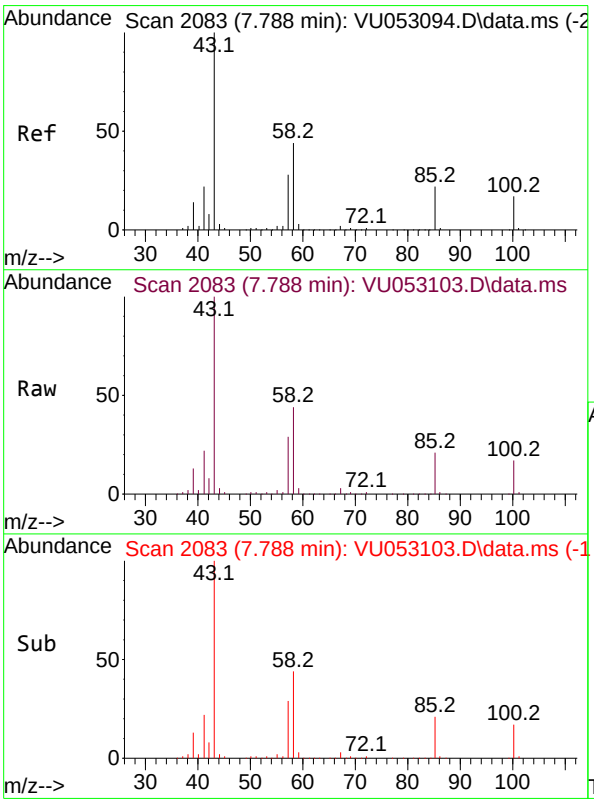

#39
cis-1,3-Dichloropropene
Concen: 52.506 ug/L
RT: 7.601 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 75 Resp: 193877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 22.2 | 41.2 |

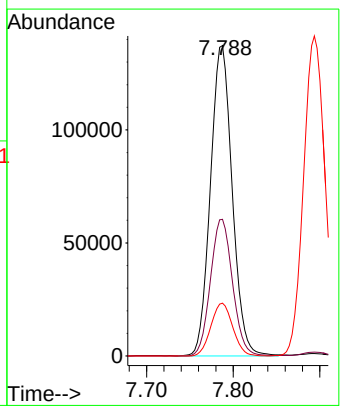


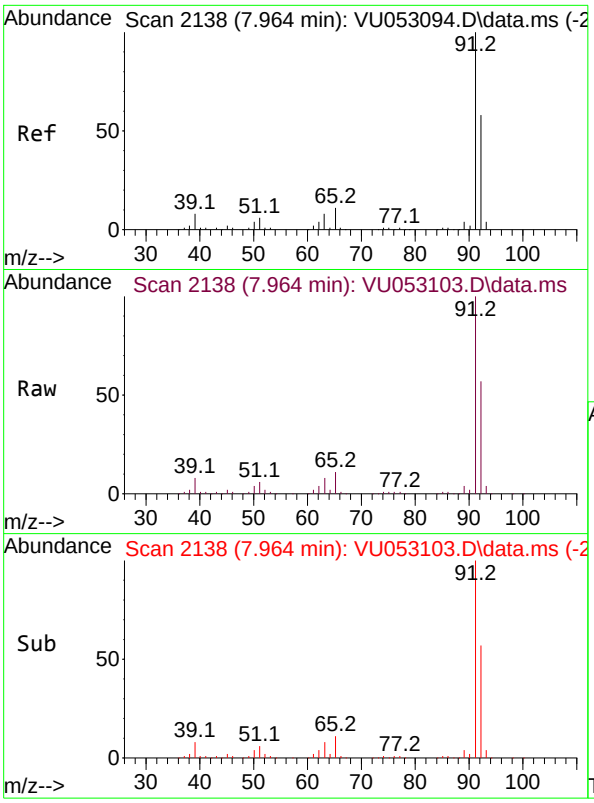




#40
4-Methyl-2-pentanone
Concen: 100.439 ug/L
RT: 7.788 min Scan# 2083
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 43 Resp: 240510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.5 | 35.9 | 53.9 |
| 100 | 17.0 | 13.7 | 20.5 |



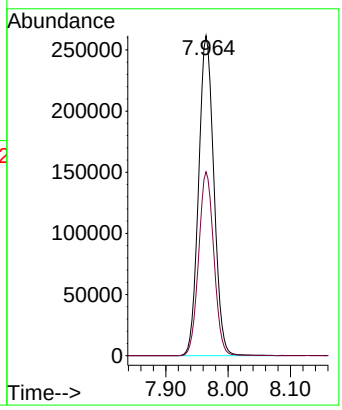


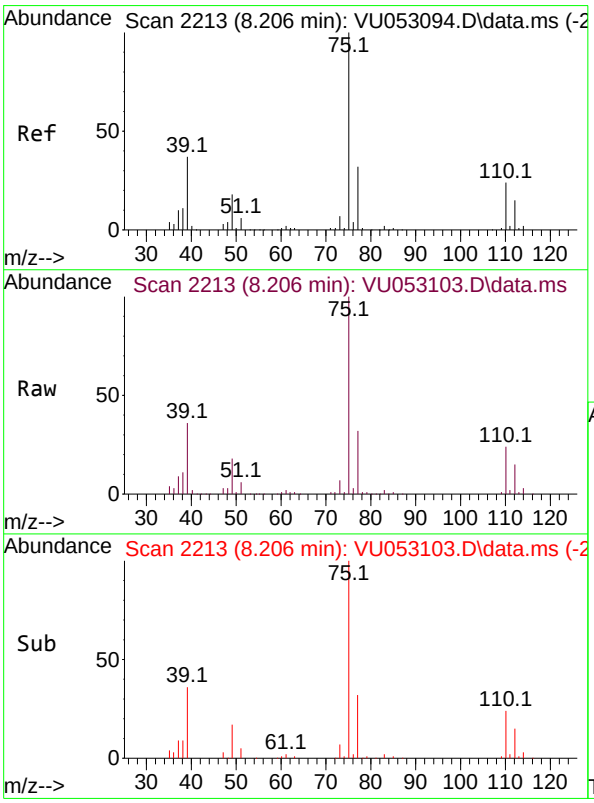

#42
Toluene
Concen: 51.272 ug/L
RT: 7.964 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 91 Resp: 444726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.5 | 40.7 | 75.7 |

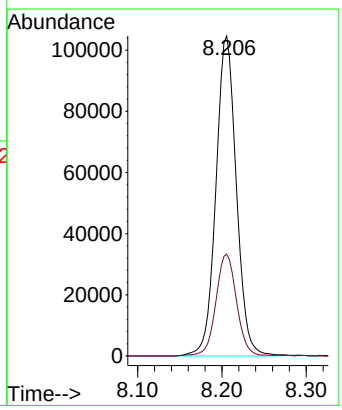


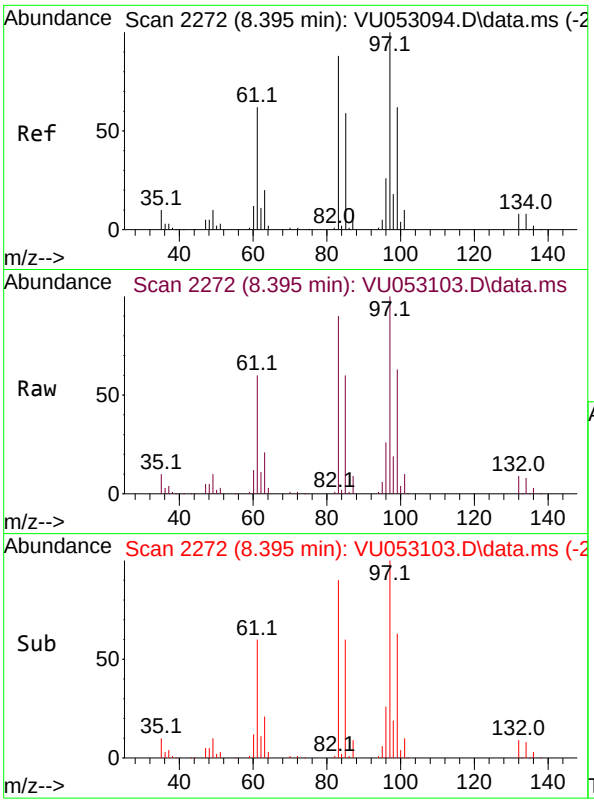




#44
trans-1,3-Dichloropropene
Concen: 51.349 ug/L
RT: 8.206 min Scan# 2213
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 75 Resp: 175628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 22.2 | 41.2 |



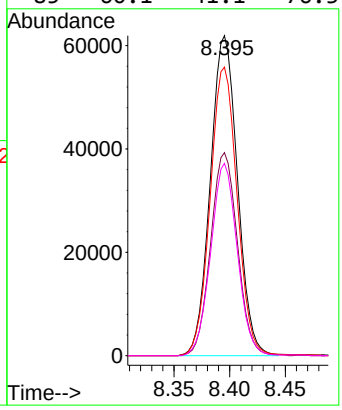


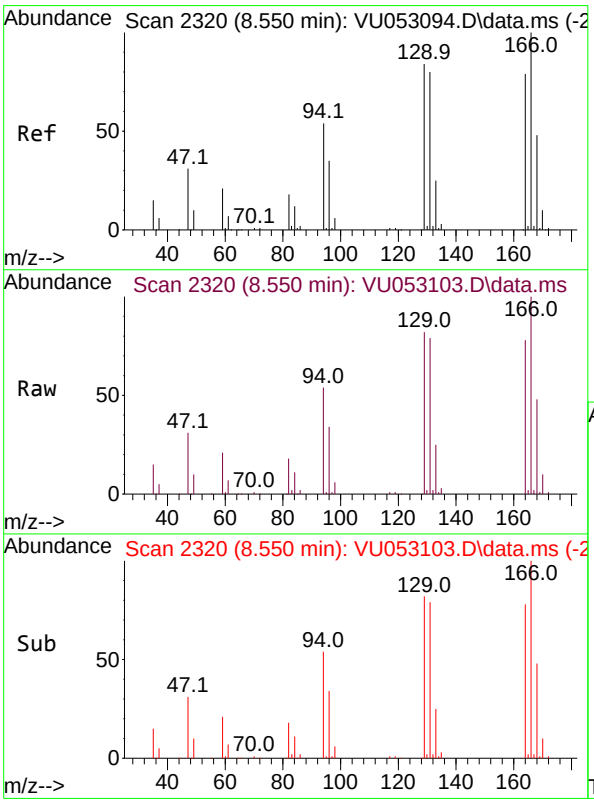

#45
1,1,2-Trichloroethane
Concen: 51.499 ug/L
RT: 8.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 97 Resp: 105018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 43.7 | 81.1 |
| 83 | 90.2 | 61.7 | 114.5 |
| 85 | 60.1 | 41.1 | 76.3 |

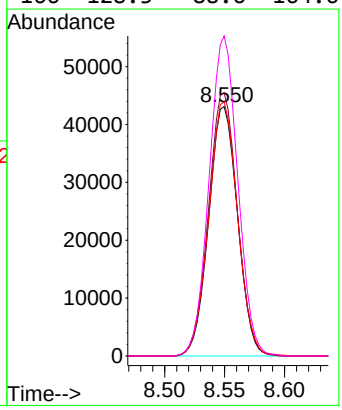


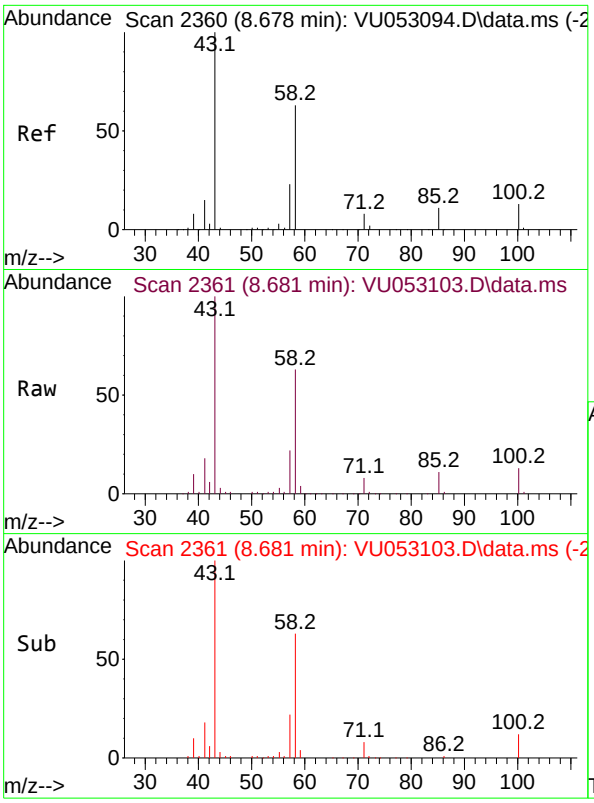




#46
Tetrachloroethene
Concen: 51.455 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:164 Resp: 72122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 105.6 | 74.8 | 139.0 |
| 131 | 101.8 | 70.7 | 131.3 |
| 166 | 128.3 | 88.6 | 164.6 |



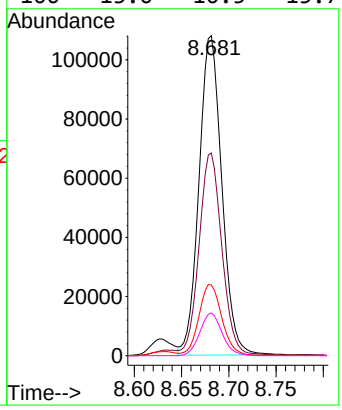


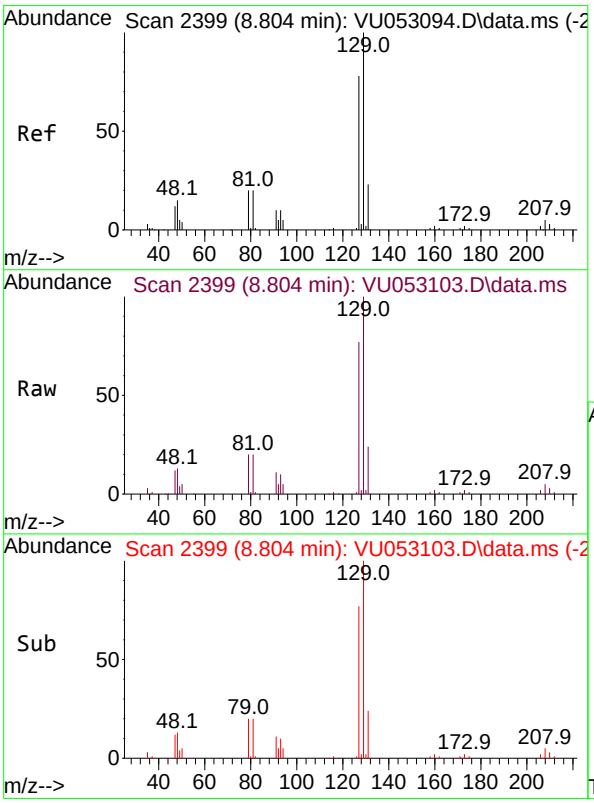

#48
2-Hexanone
Concen: 96.057 ug/L
RT: 8.681 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 43 Resp: 181501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 63.2 | 50.0 | 75.0 |
| 57 | 22.3 | 17.7 | 26.5 |
| 100 | 13.0 | 10.5 | 15.7 |

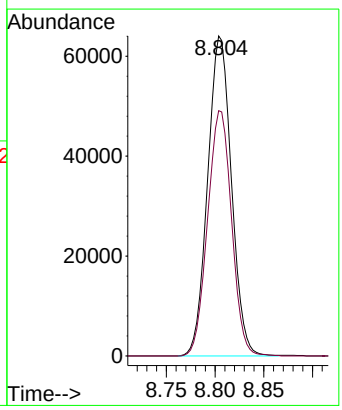


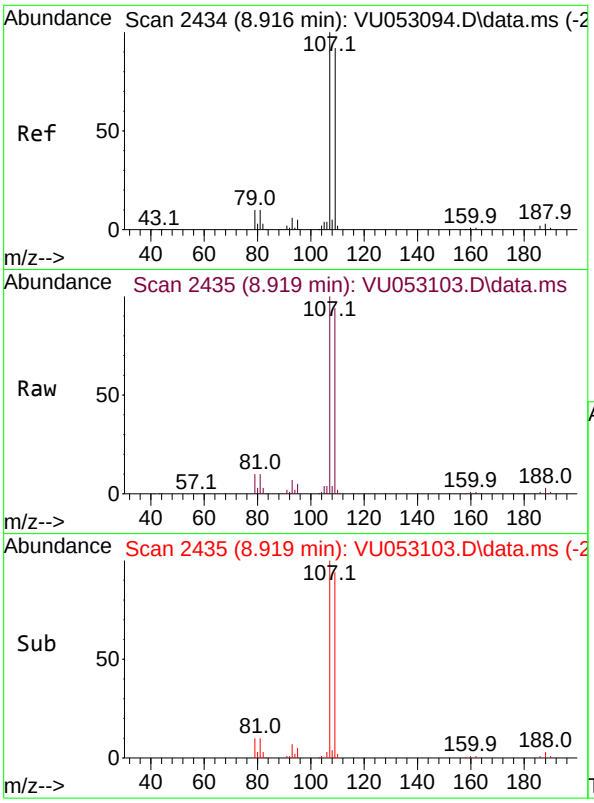




#49
Dibromochloromethane
Concen: 51.607 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:129 Resp: 108698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 54.9 | 101.9 |



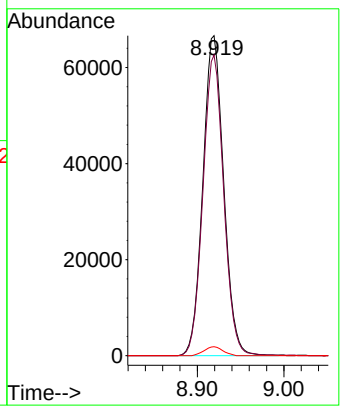


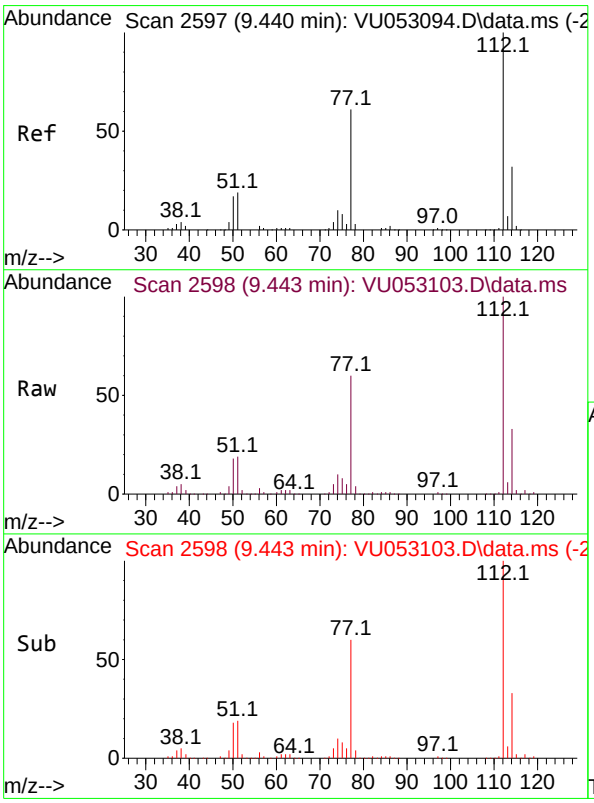

#50
1,2-Dibromoethane
Concen: 51.330 ug/L
RT: 8.919 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:107 Resp: 111184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 64.5 | 119.9 |
| 188 | 2.8 | 2.2 | 3.4 |

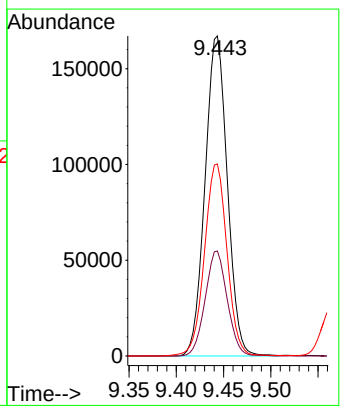


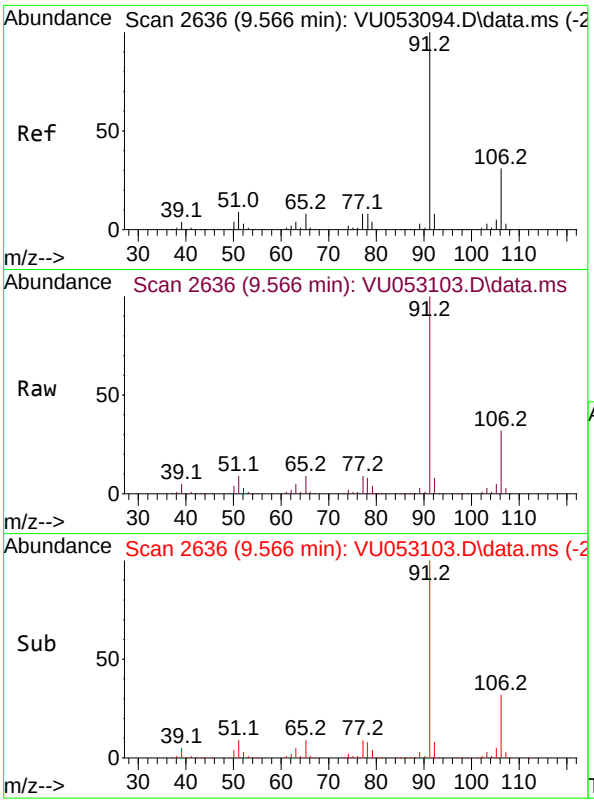




#51
Chlorobenzene
Concen: 50.991 ug/L
RT: 9.443 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:112 Resp: 273994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.8 | 22.3 | 41.3 |
| 77 | 60.0 | 48.8 | 73.2 |



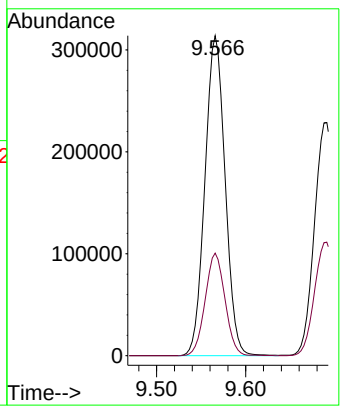


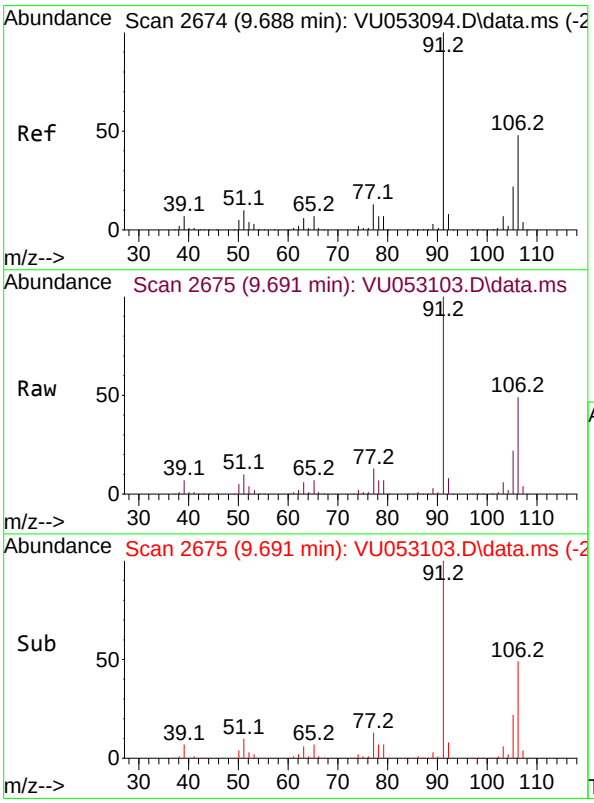

#52
Ethylbenzene
Concen: 51.043 ug/L
RT: 9.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 91 Resp: 493762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.0 | 21.5 | 39.9 |

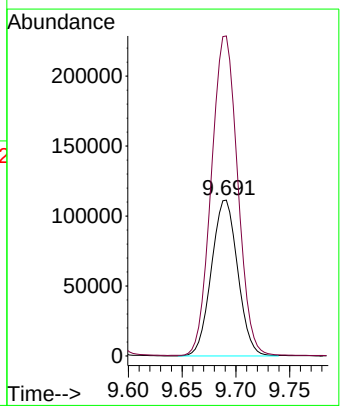


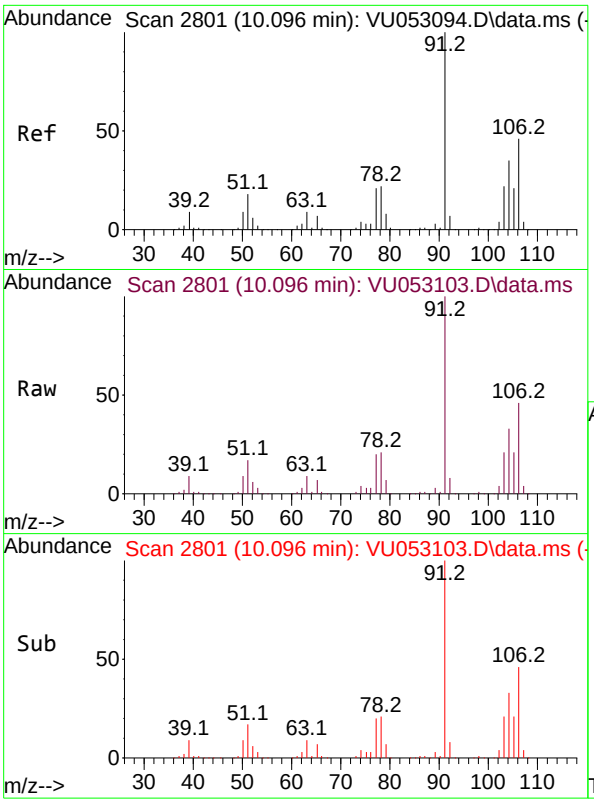




#53
m,p-Xylene
Concen: 52.090 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:106 Resp: 189479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.3 | 145.6 | 270.4 |



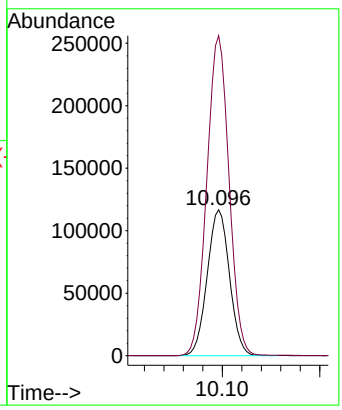


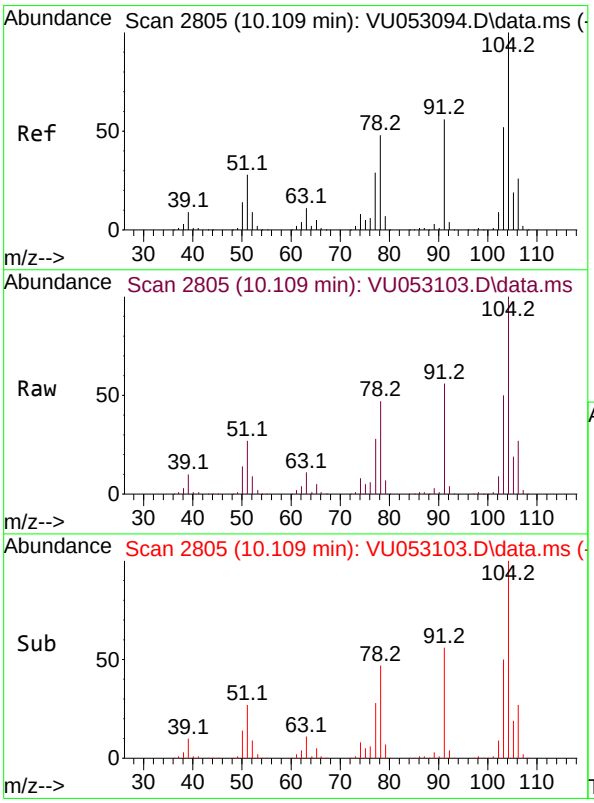

#54
o-xylene
Concen: 51.316 ug/L
RT: 10.096 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:106 Resp: 185062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.3 | 152.8 | 283.8 |

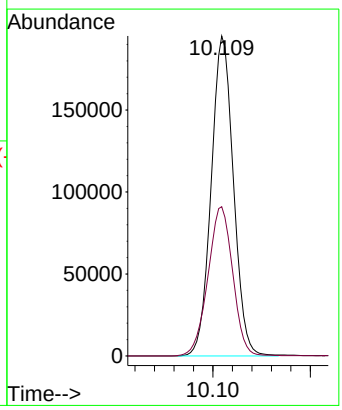


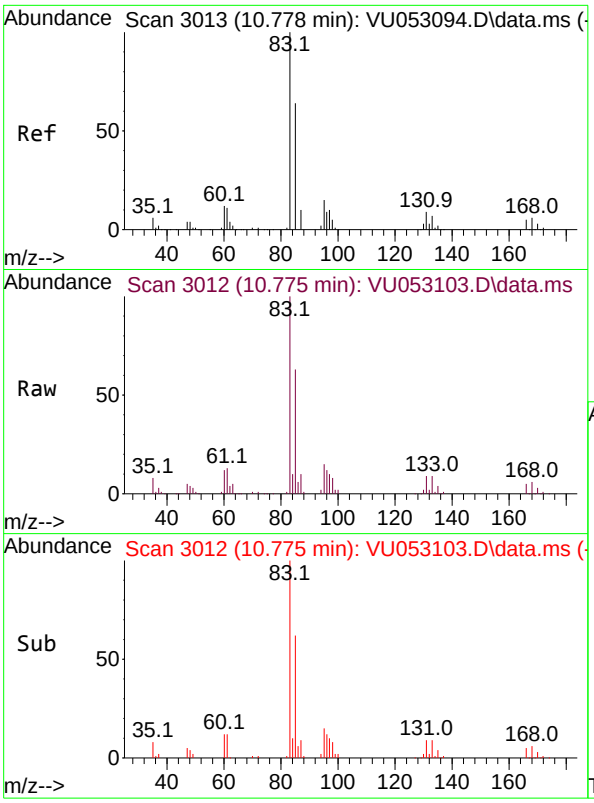




#55
Styrene
Concen: 51.739 ug/L
RT: 10.109 min Scan# 2805
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:104 Resp: 309478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.7 | 33.6 | 62.4 |



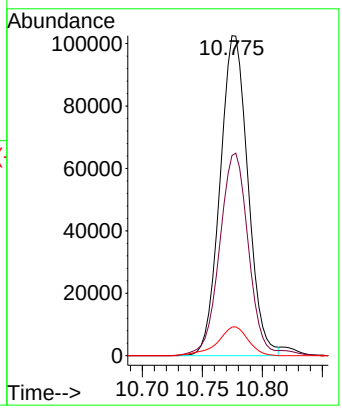


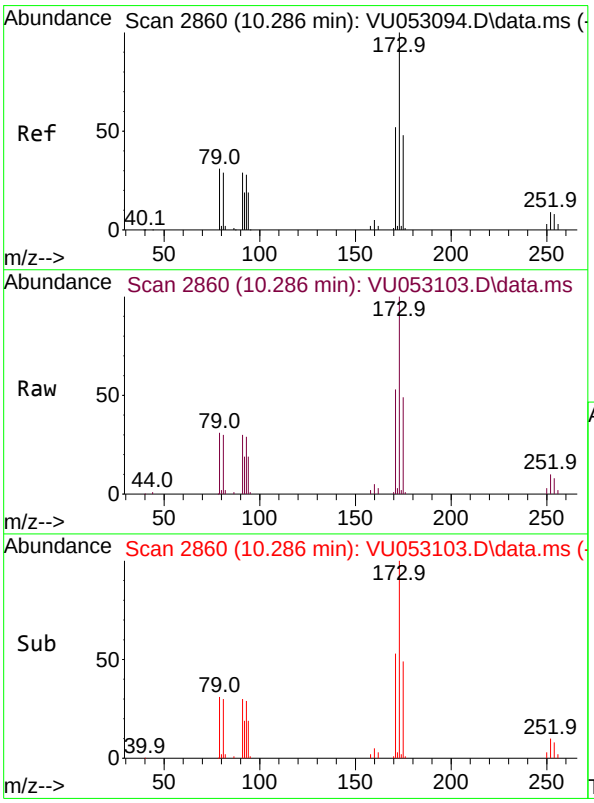

#57
1,1,2,2-Tetrachloroethane
Concen: 50.139 ug/L
RT: 10.775 min Scan# 3
Delta R.T. -0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 83 Resp: 165847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 44.7 | 82.9 |
| 131 | 8.9 | 7.2 | 10.8 |

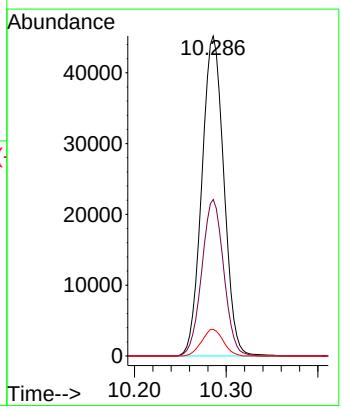


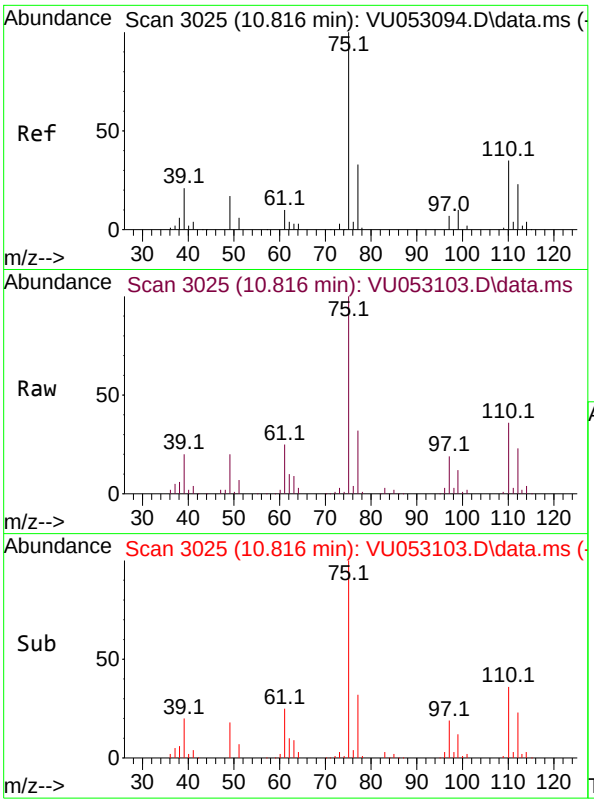




#59
Bromoform
Concen: 51.196 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:173 Resp: 75331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.8 | 38.8 | 58.2 |
| 254 | 8.2 | 6.4 | 9.6 |



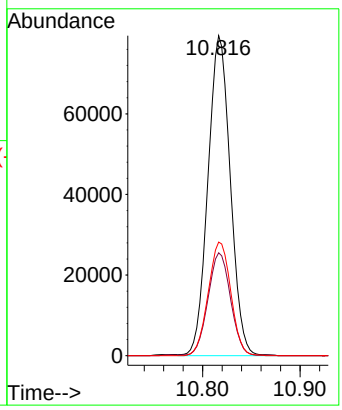


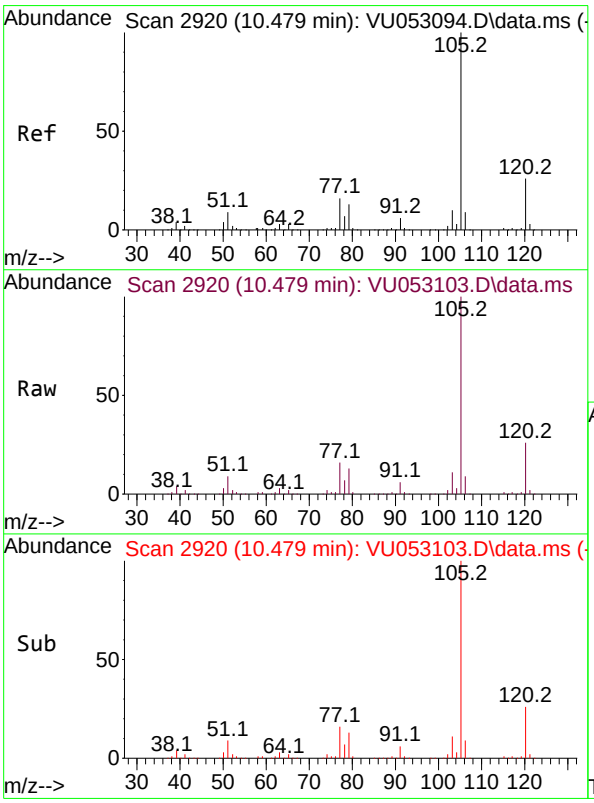

#60
1,2,3-Trichloropropane
Concen: 50.753 ug/L
RT: 10.816 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion: 75 Resp: 126626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 26.6 | 39.8 |
| 110 | 35.8 | 28.6 | 42.8 |

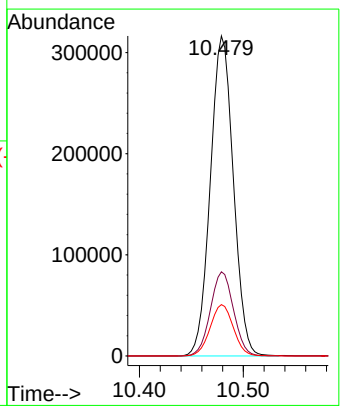


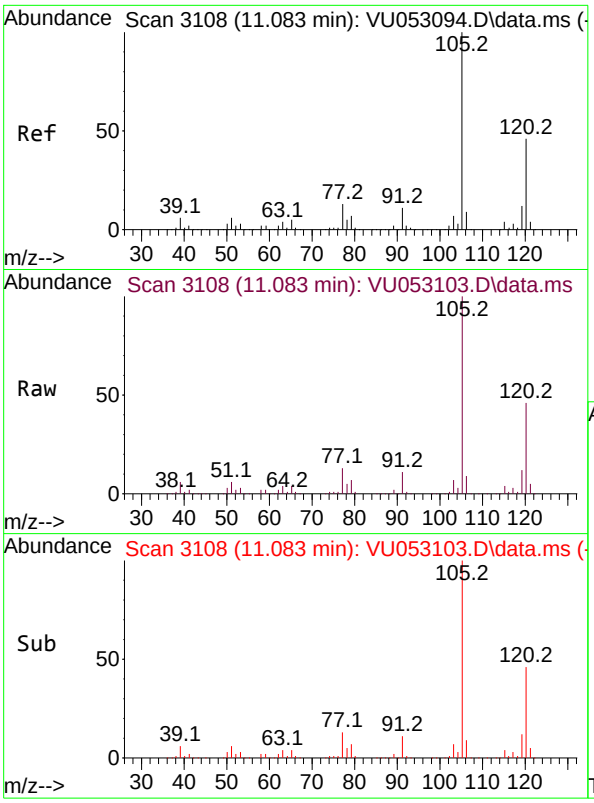




#61
Isopropylbenzene
Concen: 51.072 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:105 Resp: 487398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 20.8 | 31.2 |
| 77 | 16.2 | 12.8 | 19.2 |



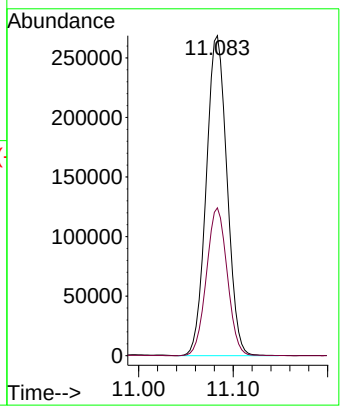


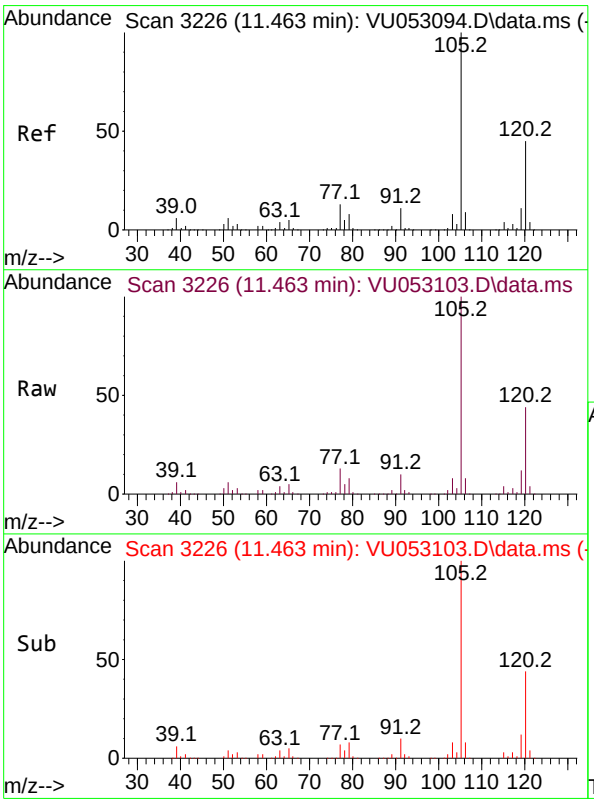

#62
1,3,5-Trimethylbenzene
Concen: 50.687 ug/L
RT: 11.083 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:105 Resp: 409562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 37.2 | 55.8 |

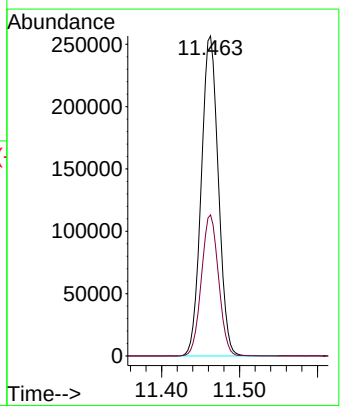


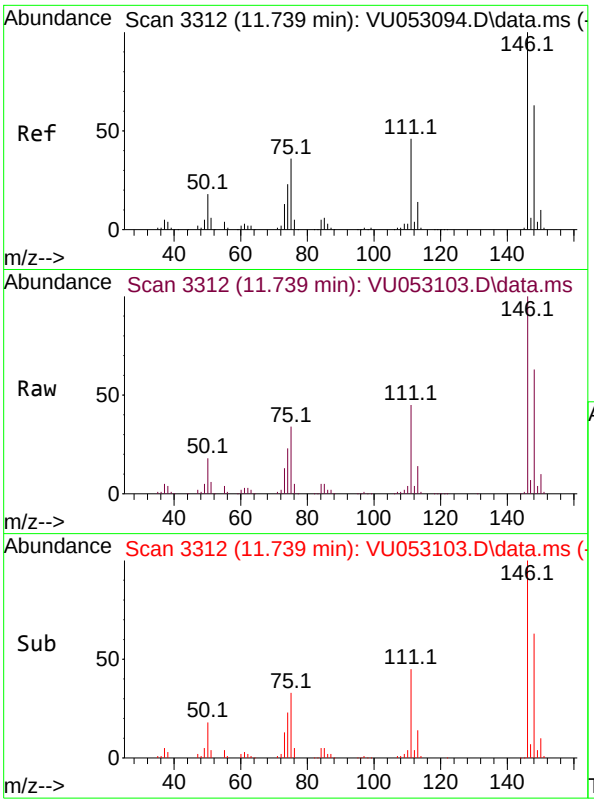




#63
1,2,4-Trimethylbenzene
Concen: 49.971 ug/L
RT: 11.463 min Scan# 3226
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:105 Resp: 390835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 35.4 | 53.2 |



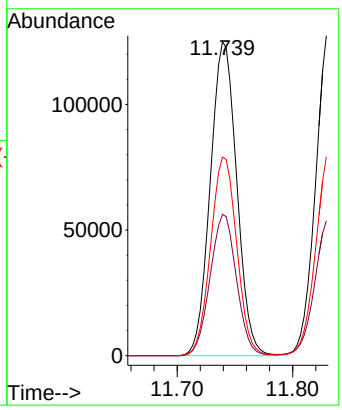


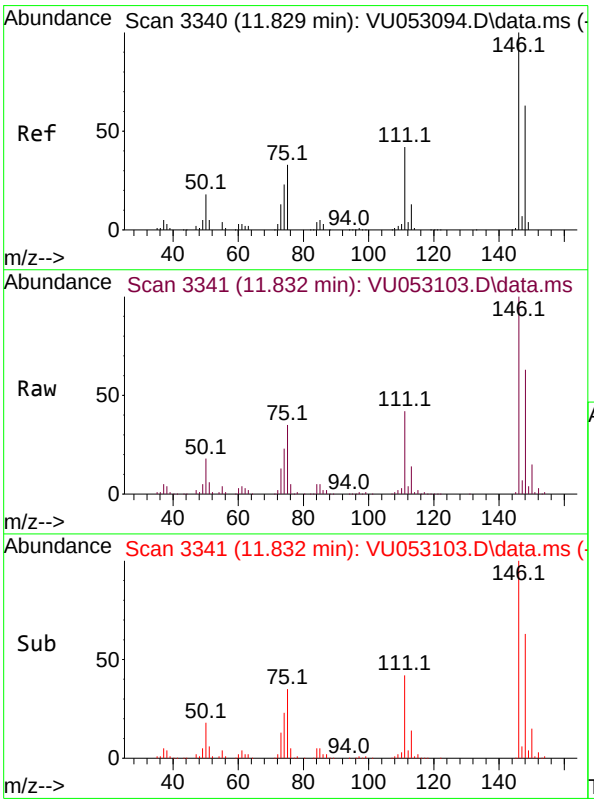

#64
1,3-Dichlorobenzene
Concen: 50.886 ug/L
RT: 11.739 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:146 Resp: 198869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.0 | 32.1 | 59.5 |
| 148 | 63.2 | 44.2 | 82.2 |

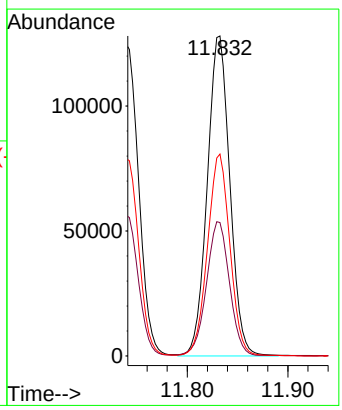


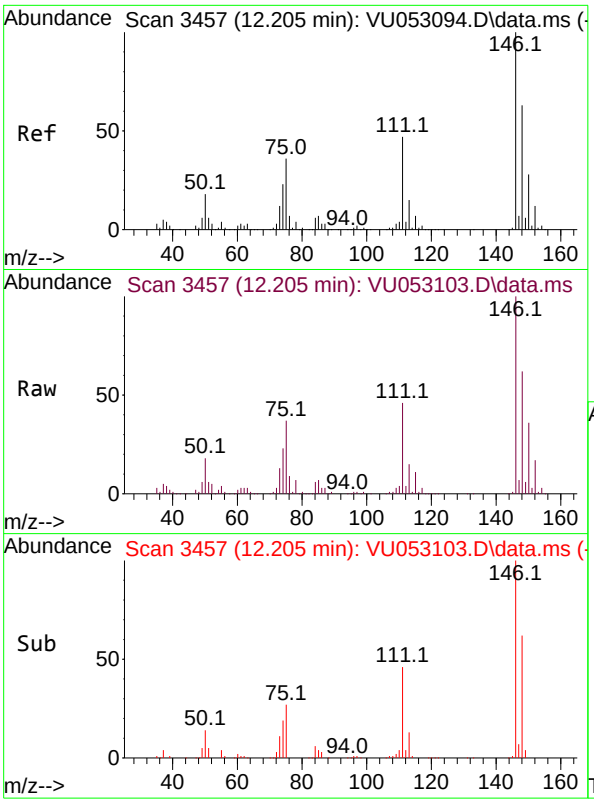




#65
1,4-Dichlorobenzene
Concen: 50.416 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:146 Resp: 199892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 29.9 | 55.5 |
| 148 | 63.1 | 44.0 | 81.6 |



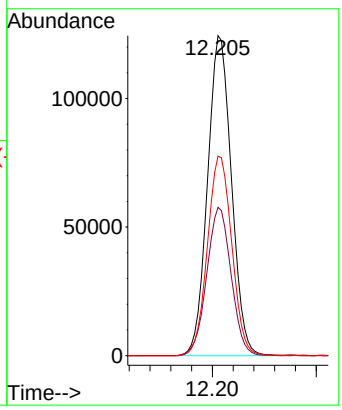


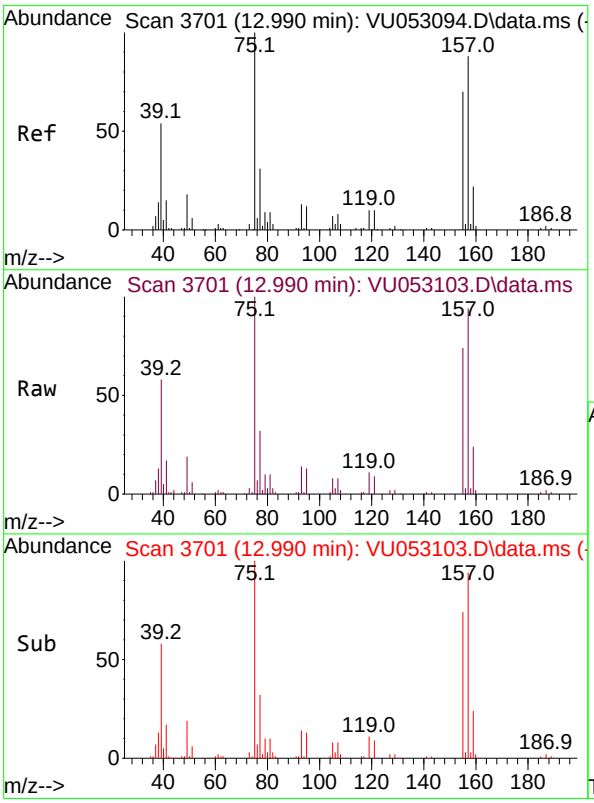

#67
1,2-Dichlorobenzene
Concen: 50.331 ug/L
RT: 12.205 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:146 Resp: 198804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.3 | 37.8 | 56.6 |
| 148 | 62.4 | 50.4 | 75.6 |

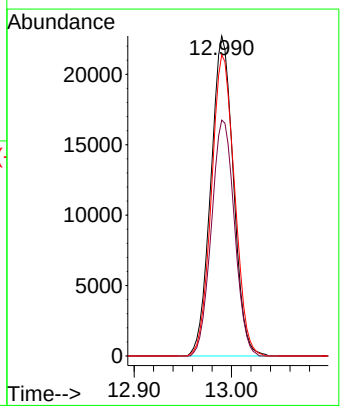


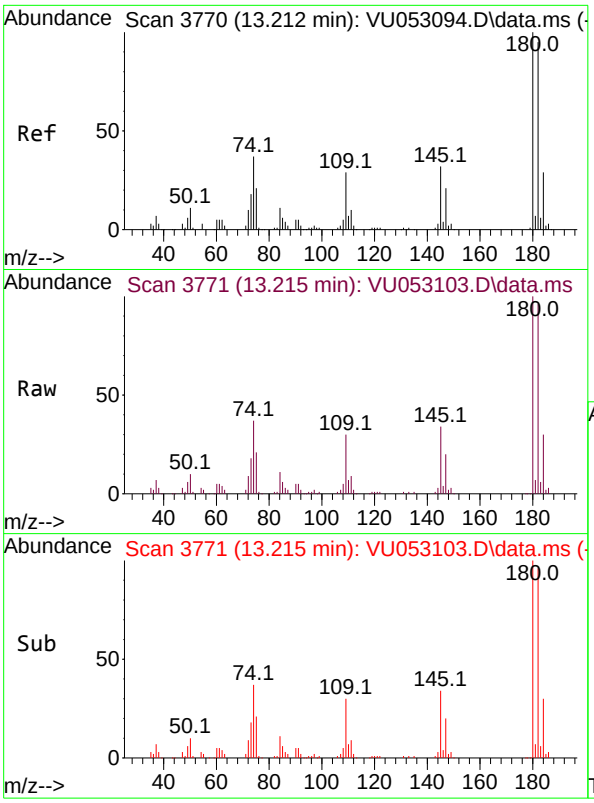




#68
1,2-Dibromo-3-chloropropane
Concen: 49.644 ug/L
RT: 12.990 min Scan# 3701
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion: 75 Resp: 36512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 73.7 | 55.8 | 83.6 |
| 157 | 94.1 | 70.7 | 106.1 |



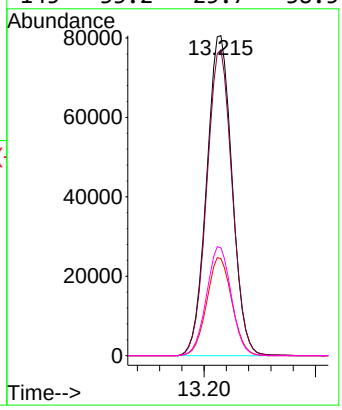


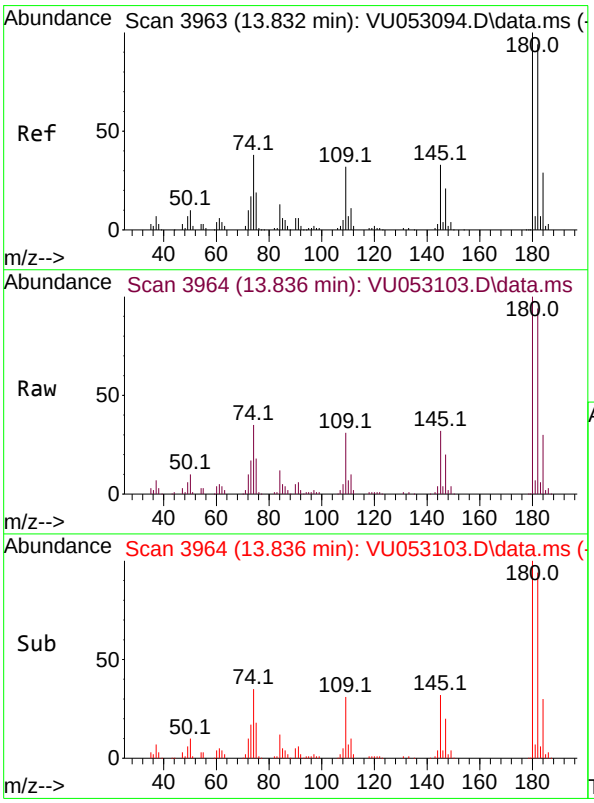

#69
1,3,5-Trichlorobenzene
Concen: 48.157 ug/L
RT: 13.215 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:180 Resp: 127584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 76.9 | 115.3 |
| 184 | 30.4 | 23.7 | 35.5 |
| 145 | 33.2 | 25.7 | 38.5 |

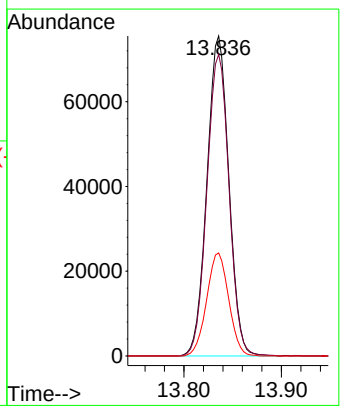


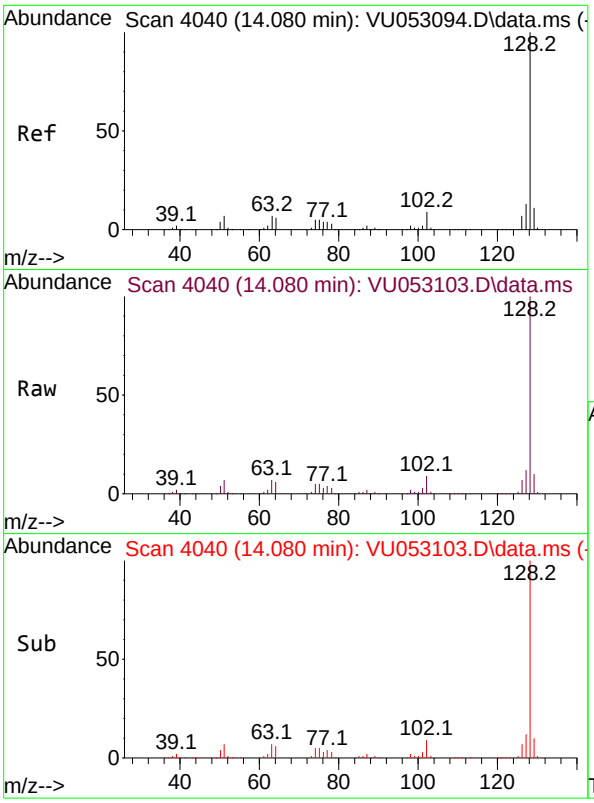




#70
1,2,4-trichlorobenzene
Concen: 46.997 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:180 Resp: 117837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.4 | 114.6 |
| 145 | 32.4 | 26.8 | 40.2 |



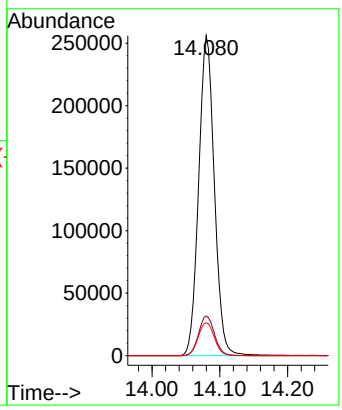


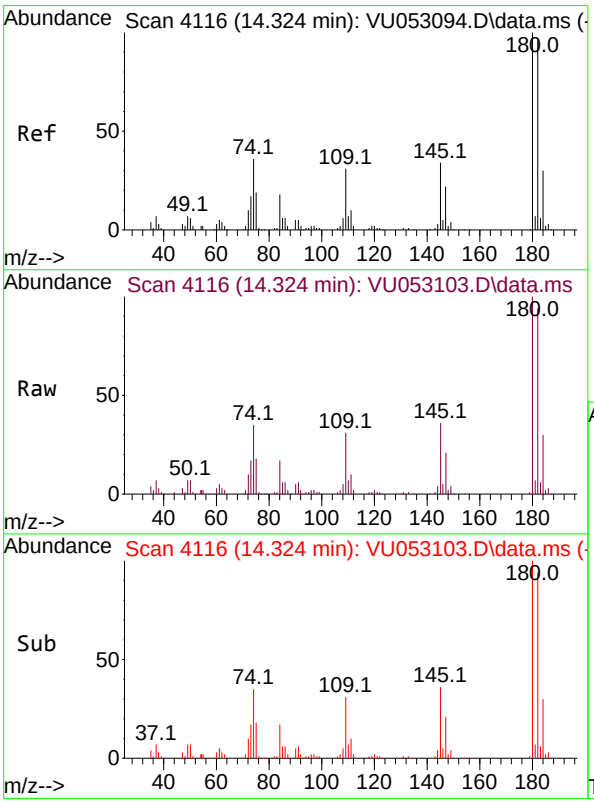

#71
Naphthalene
Concen: 42.686 ug/L
RT: 14.080 min Scan# 4
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050155

Tgt Ion:128 Resp: 410924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 9.9 | 14.9 |
| 129 | 10.7 | 8.6 | 12.8 |




#72
1,2,3-Trichlorobenzene
Concen: 47.362 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053103.D
Acq: 14 Feb 2023 19:12

Tgt Ion:180 Resp: 119240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 75.4 | 113.2 |
| 145 | 35.1 | 28.2 | 42.2 |