Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062923\
Data File : VV031610.D
Acq On : 29 Jun 2023 10:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Quant Time: Jun 30 04:22:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 22 02:14:12 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.539 | 114 | 202574 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.789 | 117 | 218111 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.191 | 152 | 142312 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.281 | 65 | 67968 | 50.414 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 100.820% | | | |
| 7) Chloroethane-d5 | 1.535 | 69 | 63063 | 53.609 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 107.220% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.063 | 65 | 38552 | 55.484 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 110.960% | | | |
| 21) 2-Butanone-d5 | 3.793 | 46 | 104733 | 95.938 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.940% | | | |
| 24) Chloroform-d | 4.252 | 84 | 159909 | 47.360 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.720% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.947 | 65 | 99362 | 47.035 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.060% | | | |
| 32) Benzene-d6 | 4.966 | 84 | 259821 | 42.321 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 84.640% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.992 | 67 | 90554 | 41.615 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 83.240% | | | |
| 41) Toluene-d8 | 7.246 | 98 | 239812 | 42.567 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 85.140% | | | |
| 43) trans-1,3-Dichloroprop... | 7.555 | 79 | 45350 | 42.752 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 85.500% | | | |
| 47) 2-Hexanone-d5 | 8.027 | 63 | 78705 | 91.608 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 91.610% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84 | 161738 | 49.244 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 98.480% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.567 | 152 | 108126 | 39.859 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 79.720%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.108 | 85 | 110567 | 51.457 | ug/L | 100 |
| 3) Chloromethane | 1.217 | 50 | 107430 | 52.985 | ug/L | 99 |
| 5) Vinyl chloride | 1.285 | 62 | 106298 | 52.887 | ug/L | 96 |
| 6) Bromomethane | 1.490 | 94 | 69857 | 53.326 | ug/L | 89 |
| 8) Chloroethane | 1.552 | 64 | 67871 | 52.283 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.716 | 101 | 182198 | 54.488 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072 | 101 | 109584 | 61.153 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.072 | 96 | 89290 | 59.570 | ug/L | 93 |
| 13) Acetone | 2.121 | 43 | 122511 | 113.729 | ug/L | 96 |
| 14) Carbon disulfide | 2.246 | 76 | 263508 | 58.118 | ug/L | 99 |
| 15) Methyl Acetate | 2.378 | 43 | 109621 | 60.442 | ug/L | 99 |
| 16) Methylene chloride | 2.452 | 84 | 91753 | 48.826 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 2.699 | 96 | 75743 | 48.410 | ug/L | 93 |
| 18) Methyl tert-butyl Ether | 2.709 | 73 | 259373 | 49.682 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.117 | 63 | 176518 | 52.273 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.822 | 96 | 82501 | 48.793 | ug/L | 95 |
| 22) 2-Butanone | 3.873 | 43 | 133172 | 98.961 | ug/L | 98 |
| 23) Bromochloromethane | 4.153 | 128 | 46411 | 50.779 | ug/L | 91 |
| 25) Chloroform | 4.281 | 83 | 178372 | 50.813 | ug/L | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062923\
Data File : VV031610.D
Acq On : 29 Jun 2023 10:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Quant Time: Jun 30 04:22:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 22 02:14:12 2023
Response via : Initial Calibration

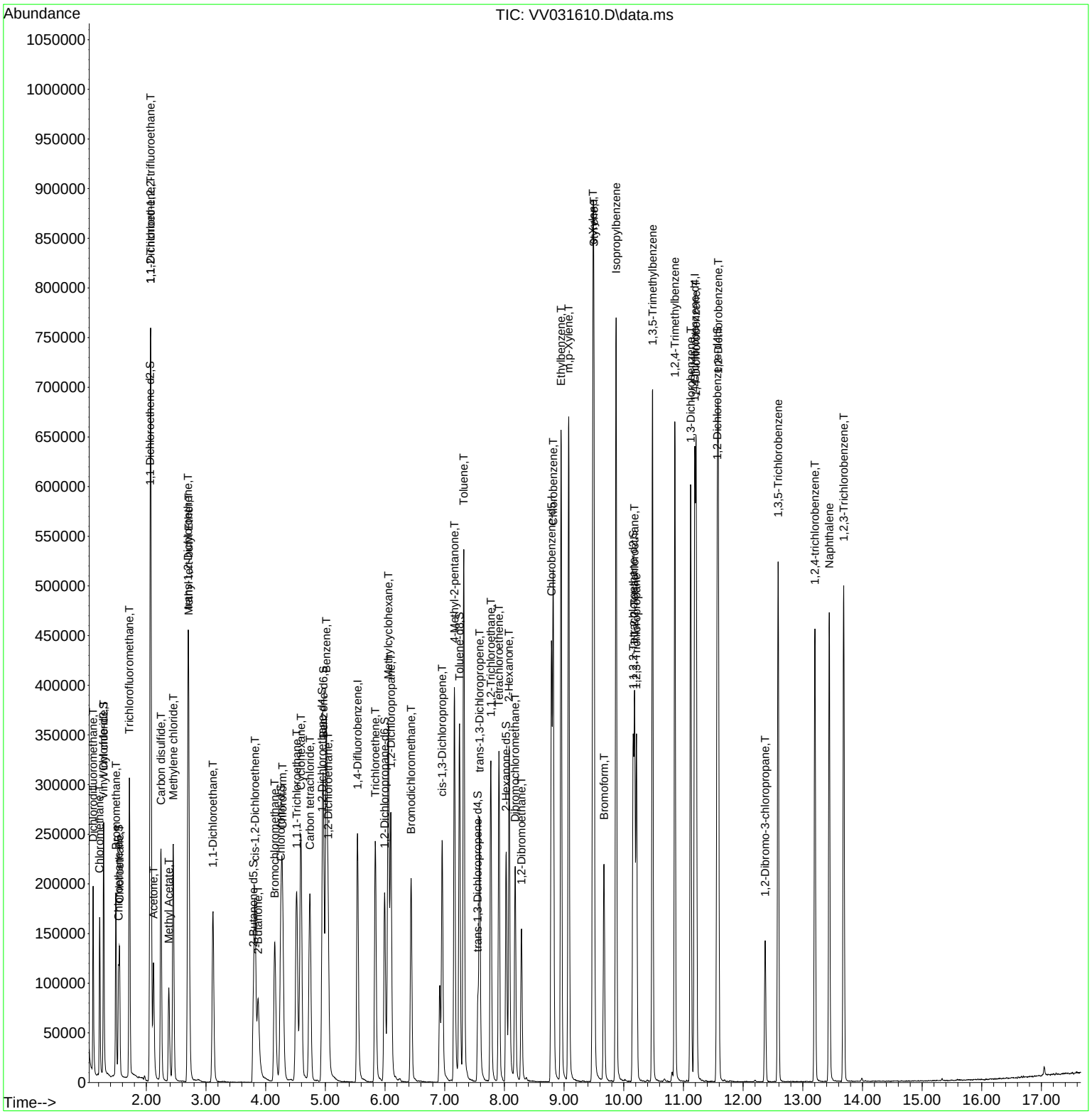
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.047 | 62 | 148792 | 54.920 | ug/L | | 97 |
| 29) Cyclohexane | 4.590 | 56 | 132292 | 46.620 | ug/L | | 96 |
| 30) 1,1,1-Trichloroethane | 4.519 | 97 | 164546 | 47.054 | ug/L | | 98 |
| 31) Carbon tetrachloride | 4.741 | 117 | 148456 | 47.913 | ug/L | | 99 |
| 33) Benzene | 5.014 | 78 | 348655 | 48.013 | ug/L | | 100 |
| 34) Trichloroethene | 5.838 | 95 | 89767 | 46.261 | ug/L | | 97 |
| 35) Methylcyclohexane | 6.056 | 83 | 133199 | 46.587 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.098 | 63 | 106253 | 49.829 | ug/L | | 100 |
| 38) Bromodichloromethane | 6.436 | 83 | 140766 | 48.839 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 6.956 | 75 | 148928 | 47.050 | ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.162 | 43 | 267712 | 106.920 | ug/L | | 97 |
| 42) Toluene | 7.320 | 91 | 379768 | 50.439 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 7.583 | 75 | 154292 | 50.054 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 7.773 | 97 | 96660 | 47.985 | ug/L | | 98 |
| 46) Tetrachloroethene | 7.908 | 164 | 71704 | 47.082 | ug/L | | 99 |
| 48) 2-Hexanone | 8.079 | 43 | 219634 | 109.832 | ug/L | | 93 |
| 49) Dibromochloromethane | 8.181 | 129 | 110039 | 49.151 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.288 | 107 | 101986 | 47.549 | ug/L | | 98 |
| 51) Chlorobenzene | 8.818 | 112 | 250368 | 50.208 | ug/L | | 98 |
| 52) Ethylbenzene | 8.950 | 91 | 427679 | 50.906 | ug/L | | 99 |
| 53) m,p-Xylene | 9.079 | 106 | 170560 | 55.437 | ug/L | | 98 |
| 54) o-Xylene | 9.484 | 106 | 150876 | 51.676 | ug/L | | 98 |
| 55) Styrene | 9.500 | 104 | 294189 | 56.419 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83 | 177587 | 53.956 | ug/L | | 97 |
| 59) Bromoform | 9.670 | 173 | 92881 | 52.652 | ug/L | # | 96 |
| 60) Isopropylbenzene | 9.873 | 105 | 447395 | 49.312 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.214 | 75 | 139188 | 49.518 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.484 | 105 | 347243 | 46.308 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.857 | 105 | 329649 | 47.182 | ug/L | | 100 |
| 64) 1,3-Dichlorobenzene | 11.124 | 146 | 222107 | 48.829 | ug/L | | 100 |
| 65) 1,4-Dichlorobenzene | 11.214 | 146 | 218405 | 45.059 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 11.583 | 146 | 211608 | 46.093 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75 | 38019 | 45.572 | ug/L | | 88 |
| 69) 1,3,5-Trichlorobenzene | 12.586 | 180 | 150626 | 43.459 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 13.204 | 180 | 129933 | 42.769 | ug/L | | 99 |
| 71) Naphthalene | 13.445 | 128 | 337931 | 43.915 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 13.686 | 180 | 142877 | 45.257 | ug/L | | 98 |

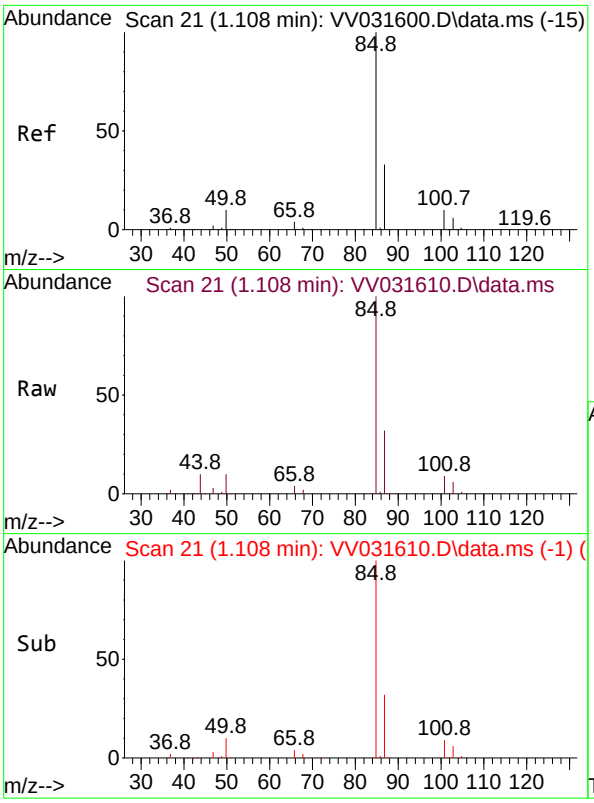
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062923\
Data File : VV031610.D
Acq On : 29 Jun 2023 10:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Quant Time: Jun 30 04:22:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 22 02:14:12 2023
Response via : Initial Calibration



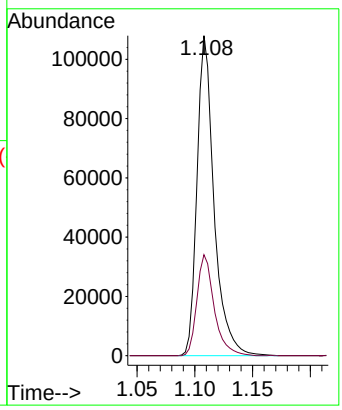


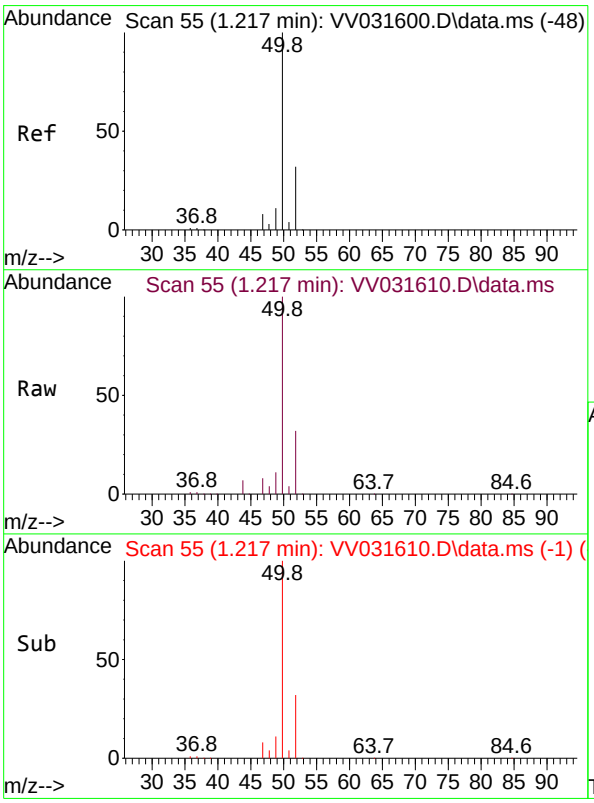

#2
Dichlorodifluoromethane
Concen: 51.457 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 85 Resp: 110567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 25.5 | 38.3 |

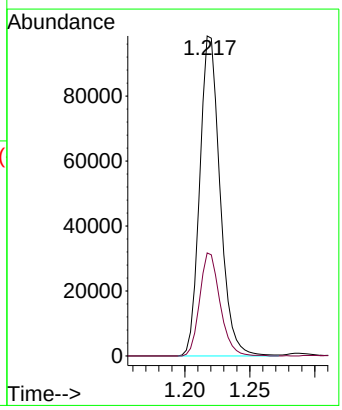


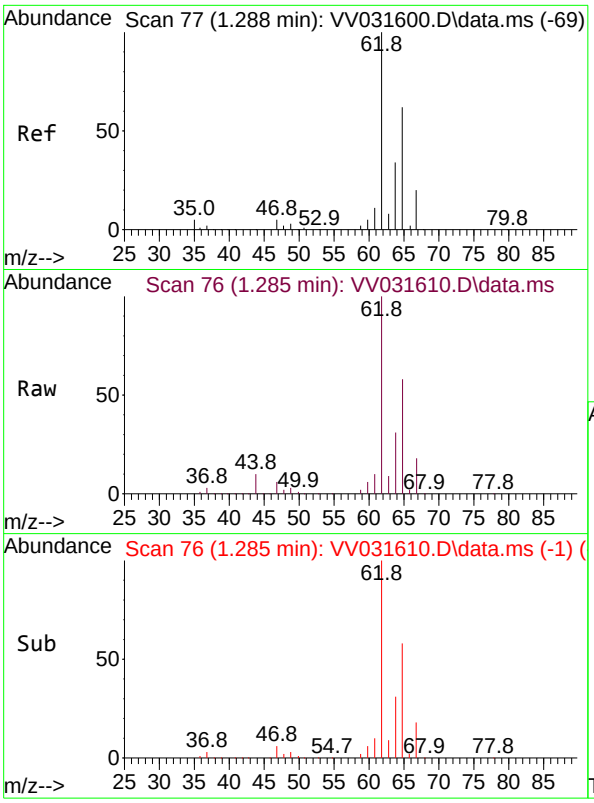




#3
Chloromethane
Concen: 52.985 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 50 Resp: 107430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 22.3 | 41.5 |



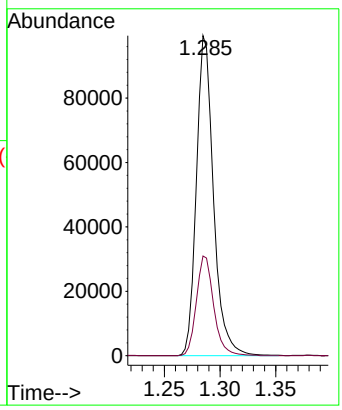


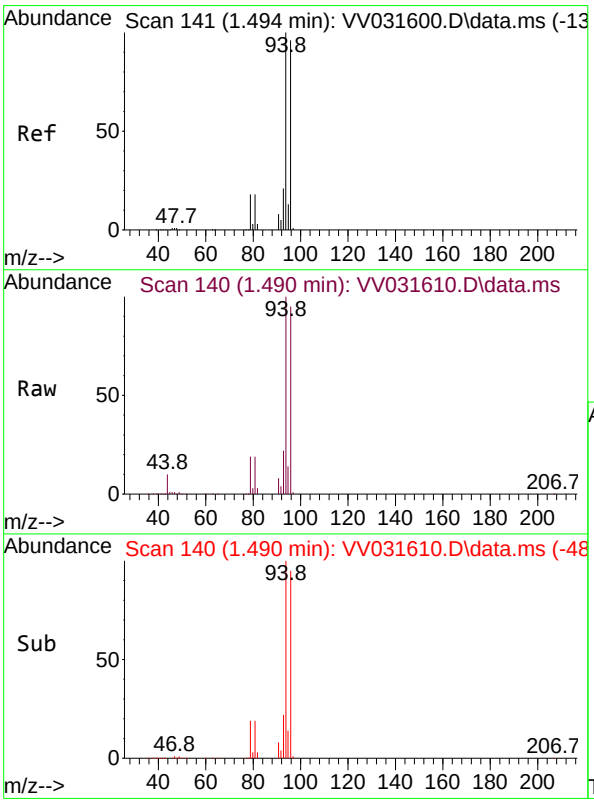

#5
Vinyl chloride
Concen: 52.887 ug/L
RT: 1.285 min Scan# 7
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 62 Resp: 106298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 23.4 | 43.4 |

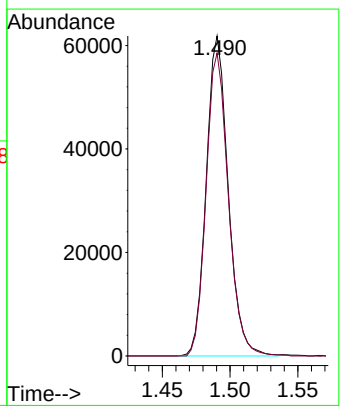


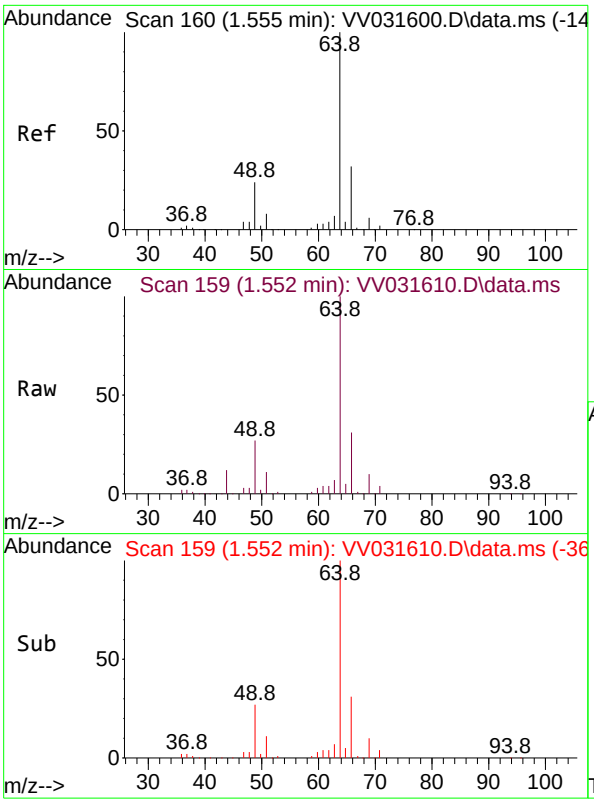




#6
Bromomethane
Concen: 53.326 ug/L
RT: 1.490 min Scan# 140
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 94 Resp: 69857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 82.8 | 65.4 | 121.4 |



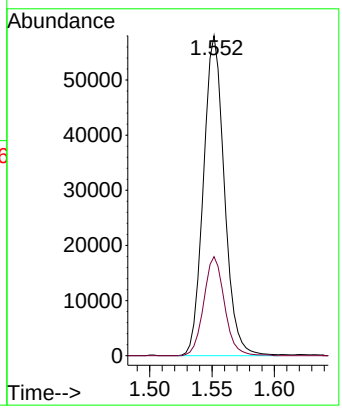


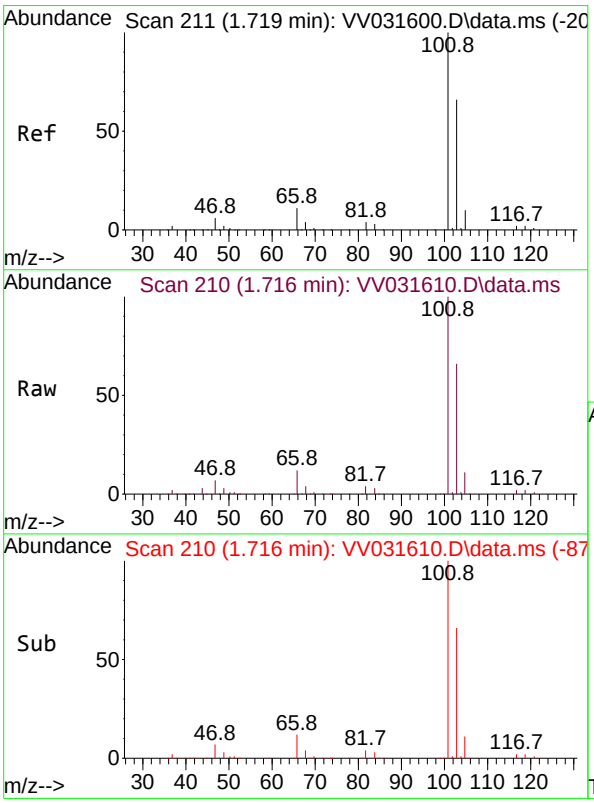

#8
Chloroethane
Concen: 52.283 ug/L
RT: 1.552 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 64 Resp: 67871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.9 | 21.0 | 39.0 |

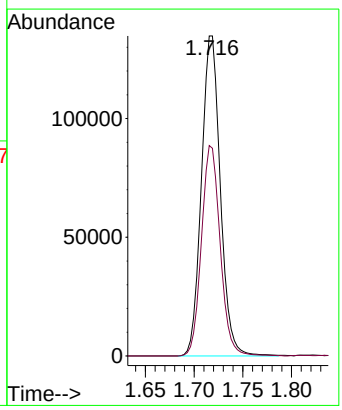


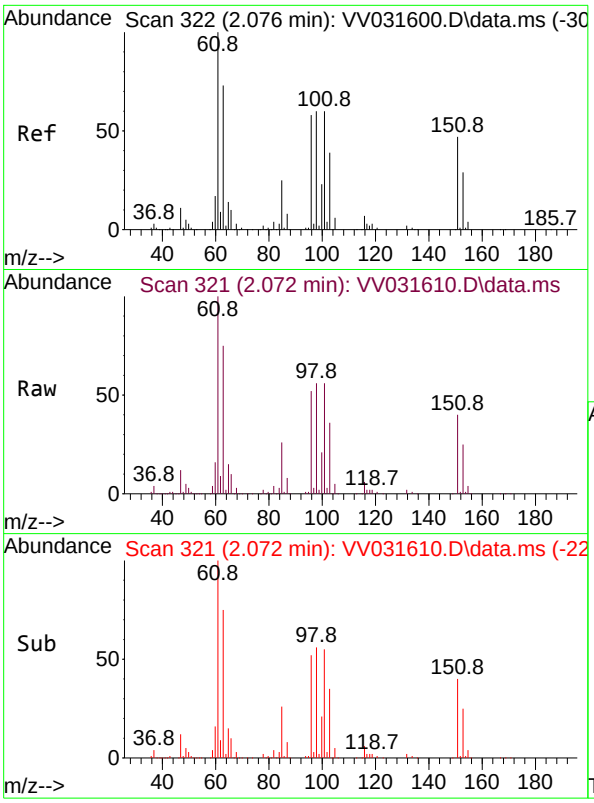




#9
Trichlorofluoromethane
Concen: 54.488 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:101 Resp: 182198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 50.9 | 76.3 |



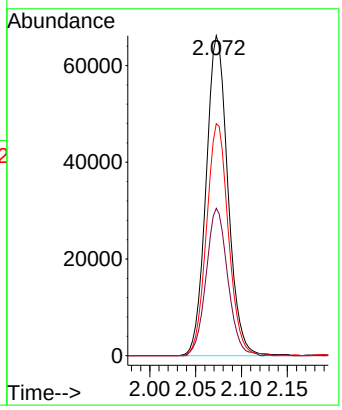


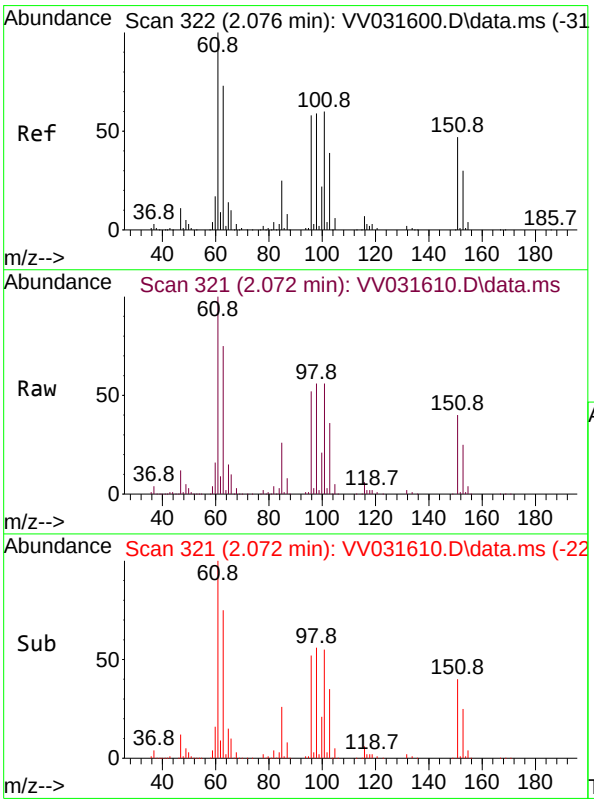

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 61.153 ug/L
RT: 2.072 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:101 Resp: 109584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.7 | 37.4 | 56.0 |
| 151 | 72.6 | 62.3 | 93.5 |

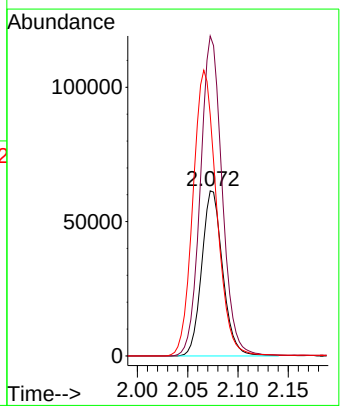


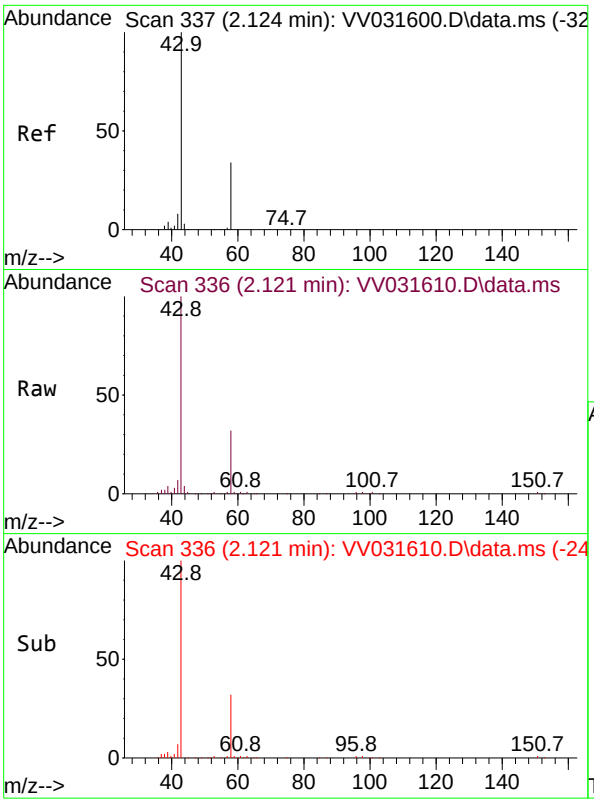




#12
1,1-Dichloroethene
Concen: 59.570 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 96 Resp: 89290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 193.9 | 128.9 | 239.5 |
| 63 | 146.3 | 95.3 | 177.1 |



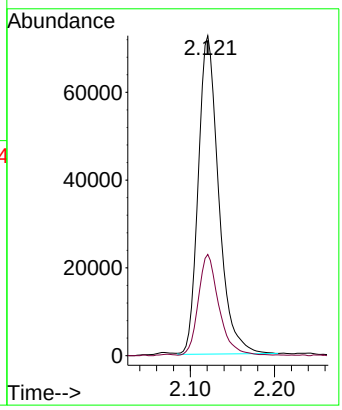


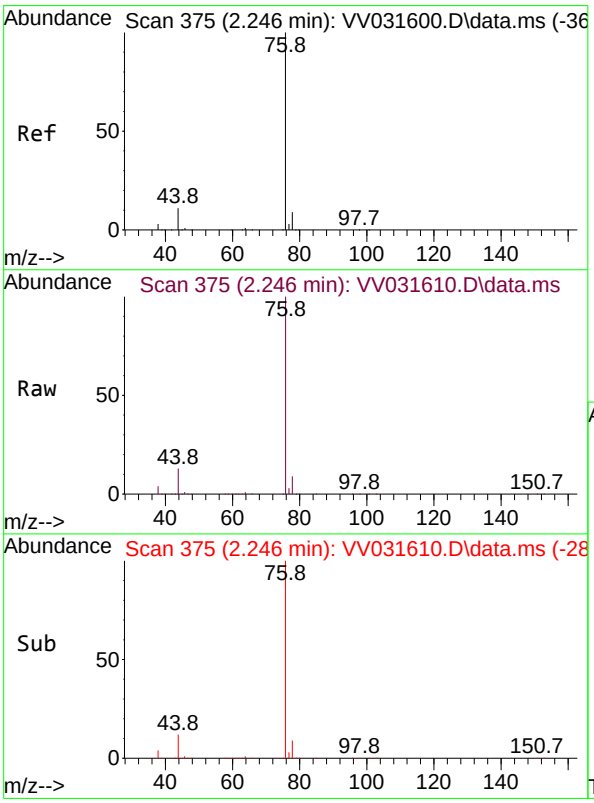

#13
Acetone
Concen: 113.729 ug/L
RT: 2.121 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 43 Resp: 122511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.9 | 0.0 | 68.6 |

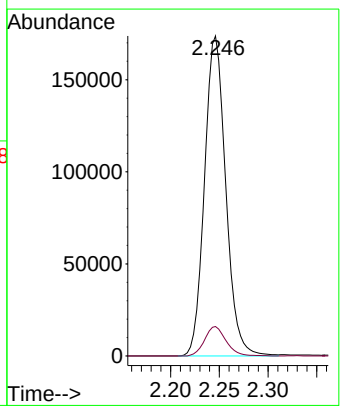


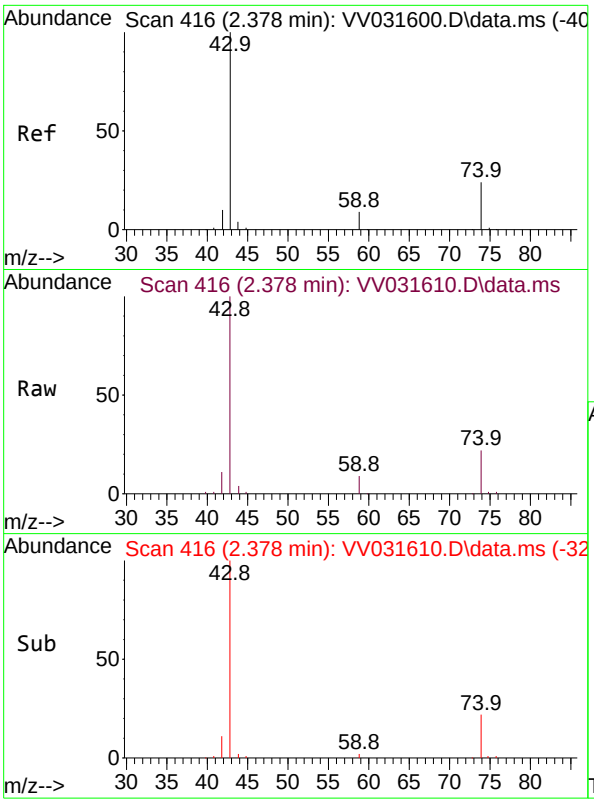




#14
Carbon disulfide
Concen: 58.118 ug/L
RT: 2.246 min Scan# 375
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 76 Resp: 263508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.1 | 10.7 |



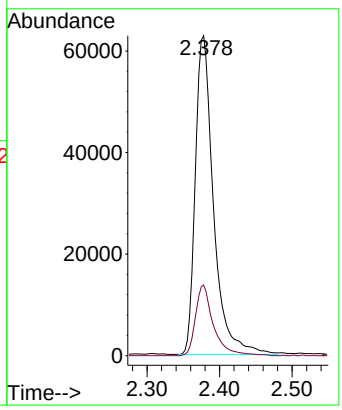


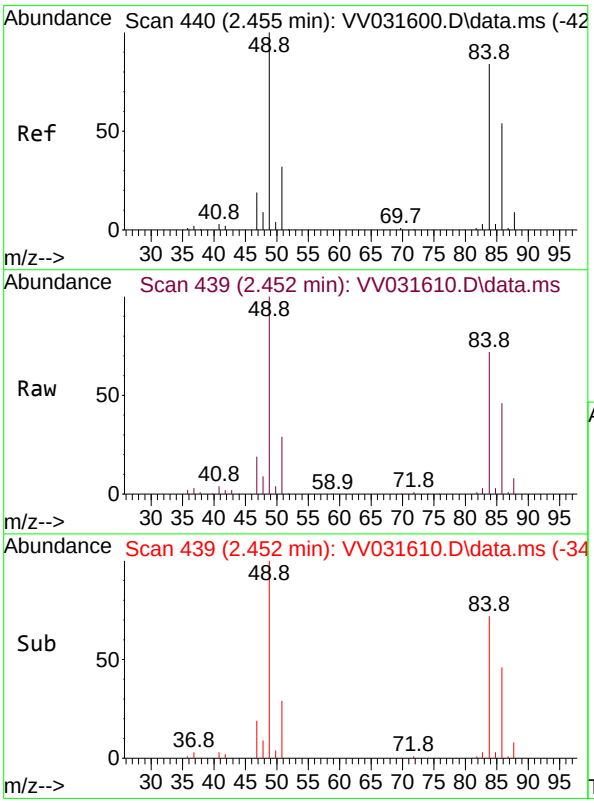

#15
Methyl Acetate
Concen: 60.442 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 43 Resp: 109621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.8 | 26.6 |

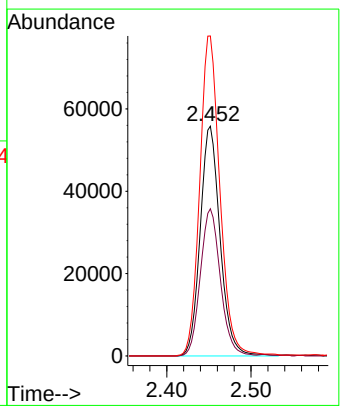


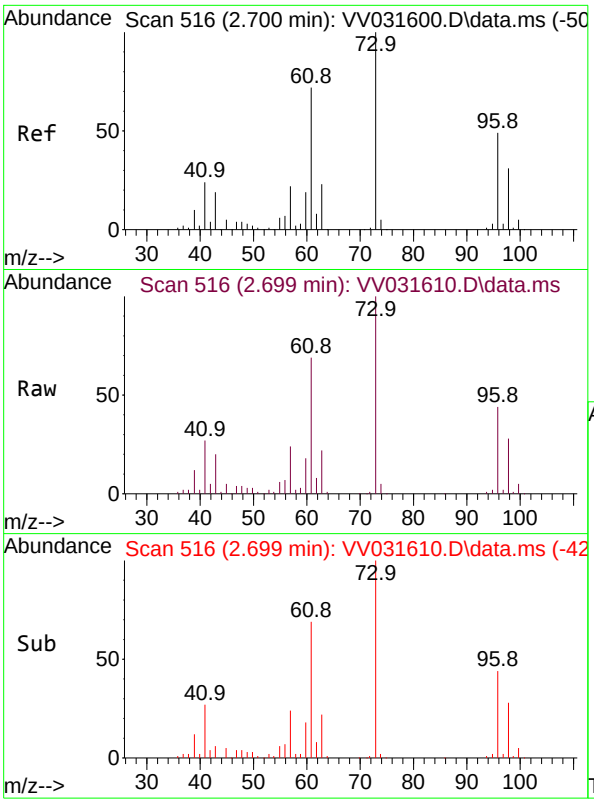




#16
Methylene chloride
Concen: 48.826 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 84 Resp: 91753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.1 | 45.8 | 85.0 |
| 49 | 139.2 | 92.1 | 171.1 |



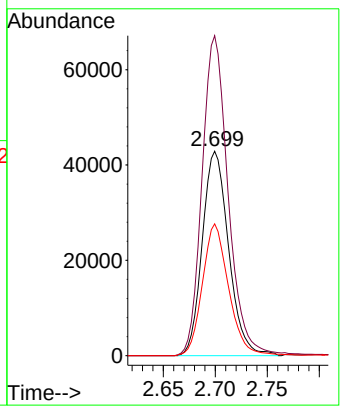


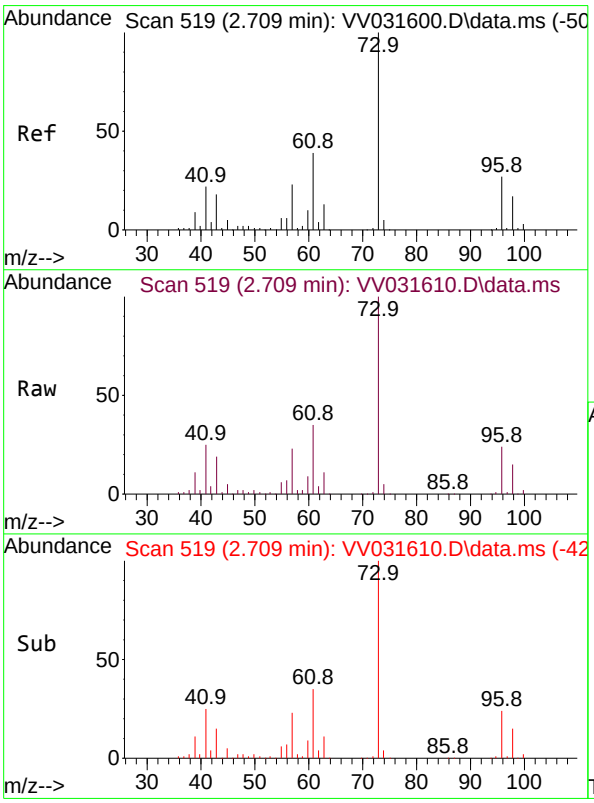

#17
trans-1,2-Dichloroethene
Concen: 48.410 ug/L
RT: 2.699 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 96 Resp: 75743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.5 | 102.5 | 190.3 |
| 98 | 66.0 | 44.1 | 81.9 |

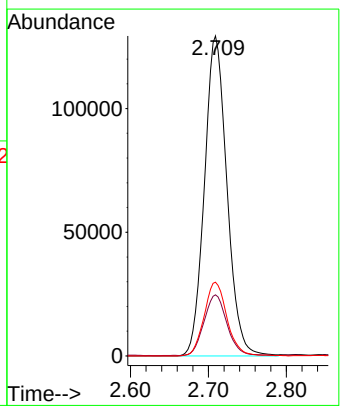


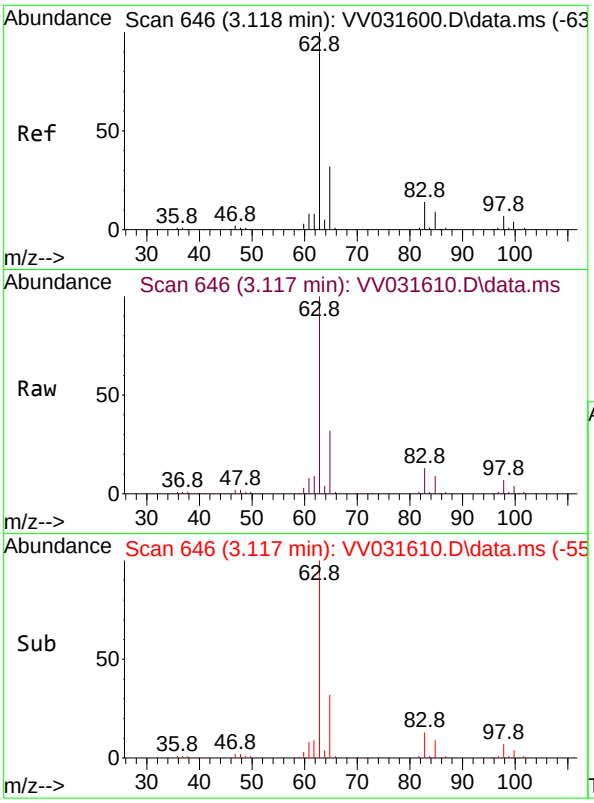




#18
Methyl tert-butyl Ether
Concen: 49.682 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 73 Resp: 259373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.4 | 15.0 | 22.4 |
| 57 | 23.3 | 18.2 | 27.4 |



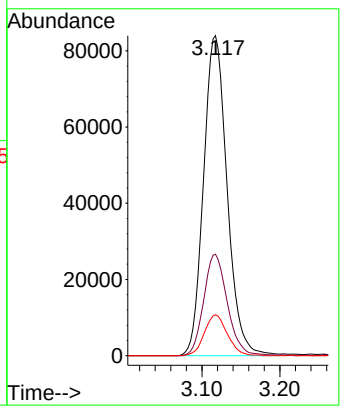


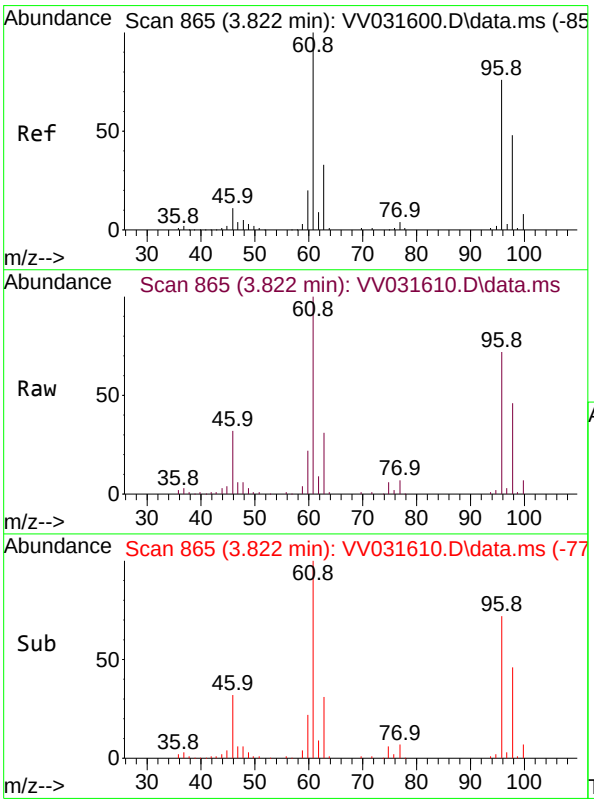

#19
1,1-Dichloroethane
Concen: 52.273 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 63 Resp: 176518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 22.5 | 41.7 |
| 83 | 13.3 | 10.0 | 18.6 |

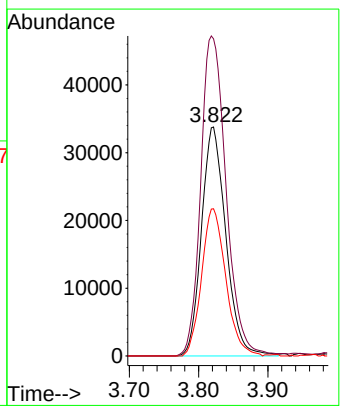


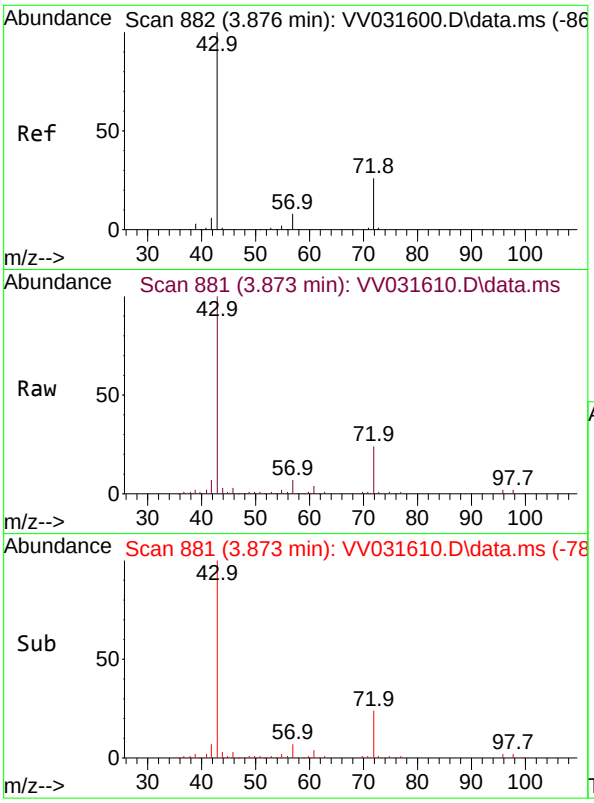




#20
cis-1,2-Dichloroethene
Concen: 48.793 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 96 Resp: 82501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 98.6 | 183.0 |
| 98 | 63.5 | 45.7 | 84.9 |



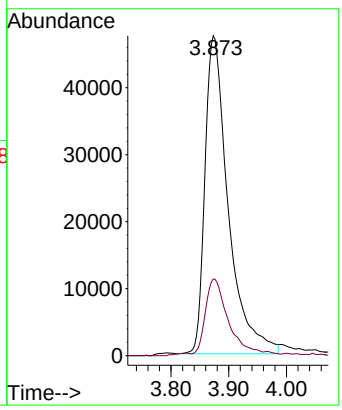


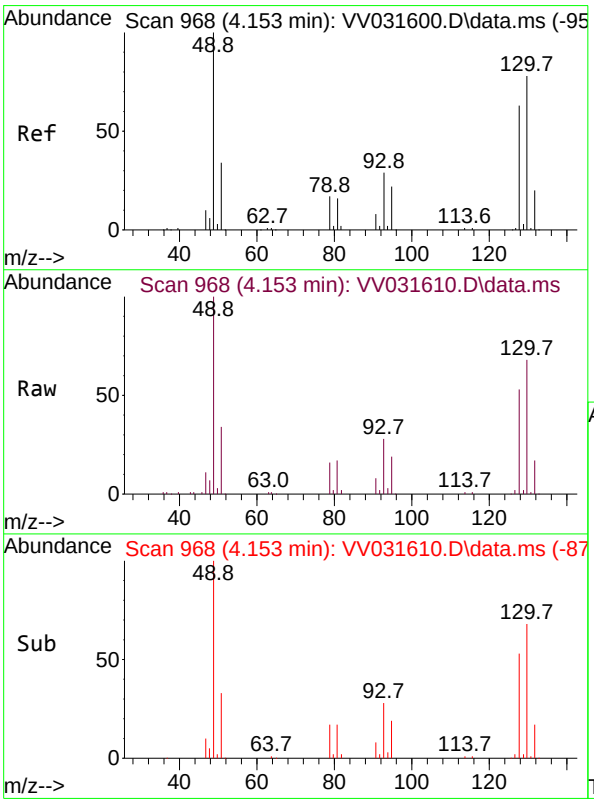

#22
2-Butanone
Concen: 98.961 ug/L
RT: 3.873 min Scan# 8
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 43 Resp: 133172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.1 | 12.2 | 36.4 |

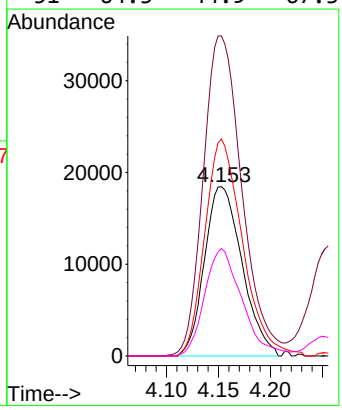


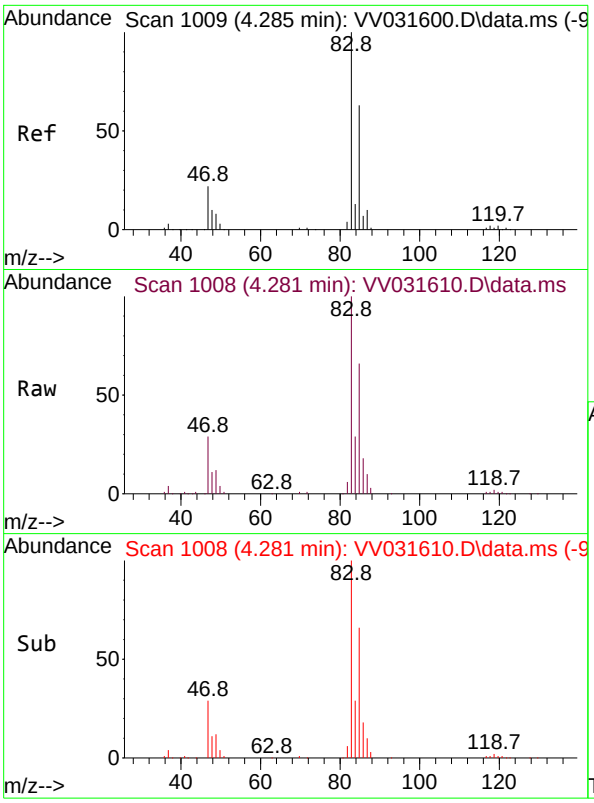




#23
Bromochloromethane
Concen: 50.779 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:128 Resp: 46411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 189.0 | 120.6 | 224.0 |
| 130 | 129.9 | 88.1 | 163.7 |
| 51 | 64.3 | 44.9 | 67.3 |



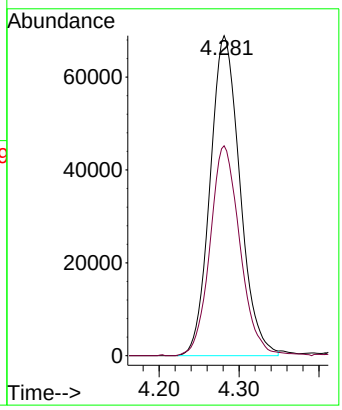


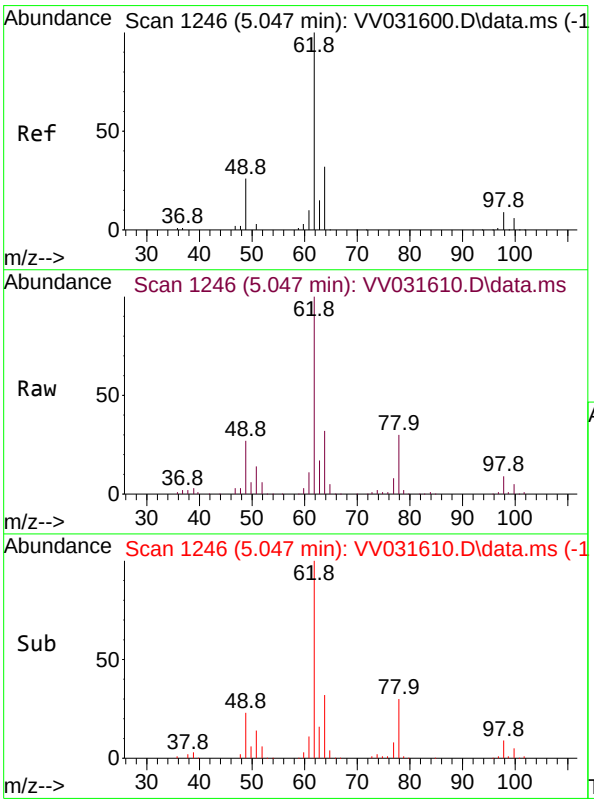

#25
Chloroform
Concen: 50.813 ug/L
RT: 4.281 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 83 Resp: 178372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 45.3 | 84.1 |

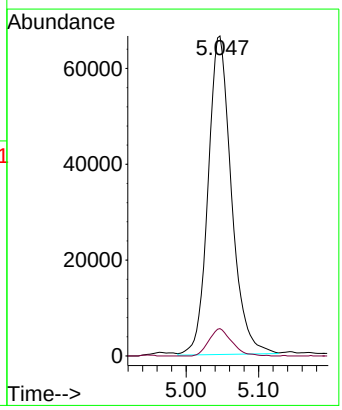


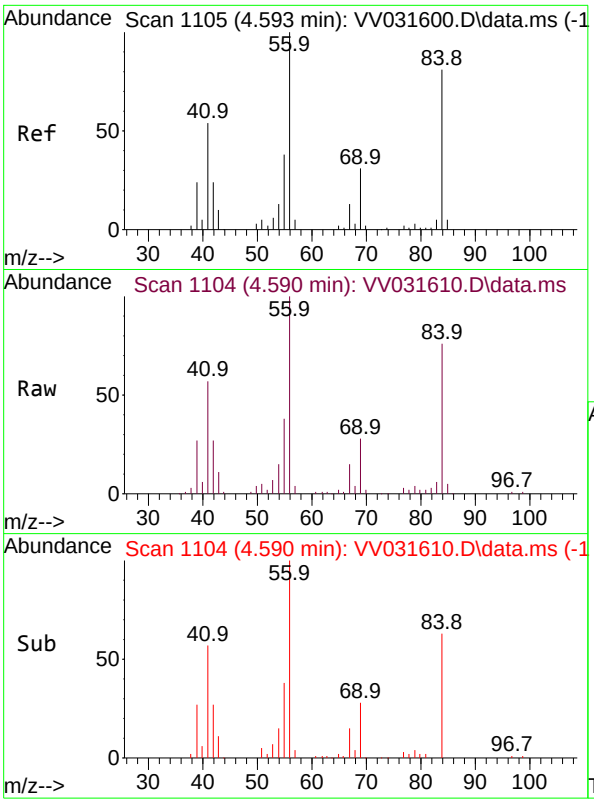




#27
1,2-Dichloroethane
Concen: 54.920 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 62 Resp: 148792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 6.6 | 9.8 |



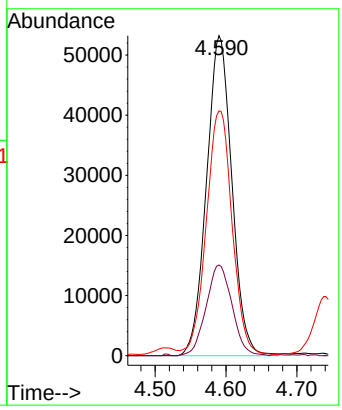


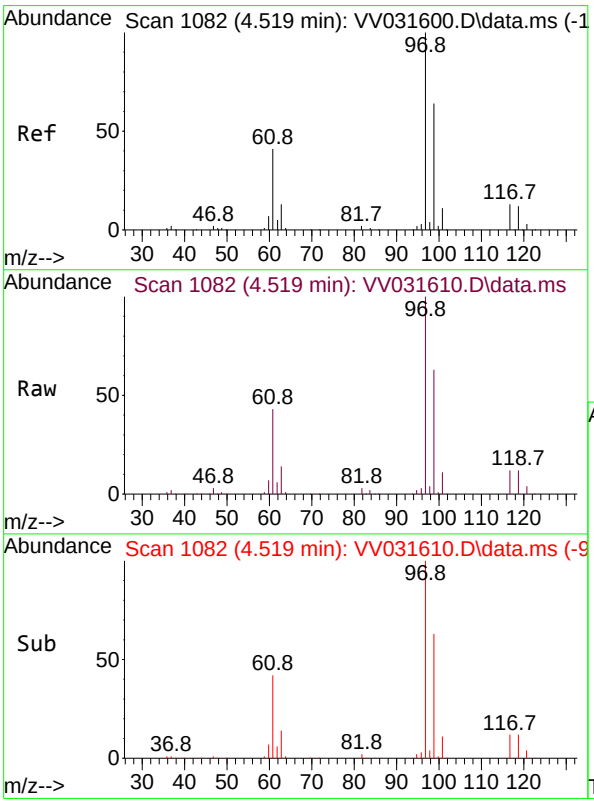

#29
Cyclohexane
Concen: 46.620 ug/L
RT: 4.590 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 56 Resp: 132292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.9 | 24.3 | 36.5 |
| 84 | 77.7 | 65.0 | 97.6 |

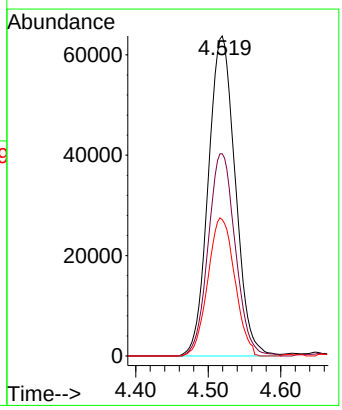


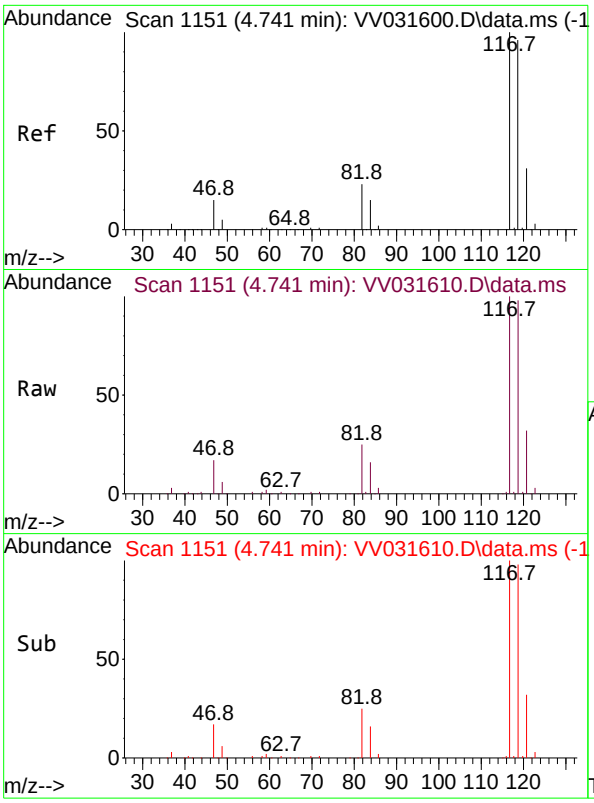




#30
1,1,1-Trichloroethane
Concen: 47.054 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 97 Resp: 164546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 51.8 | 77.6 |
| 61 | 43.2 | 33.0 | 49.6 |



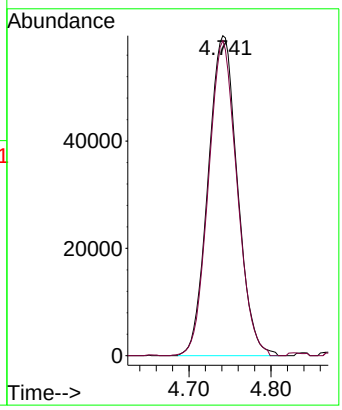


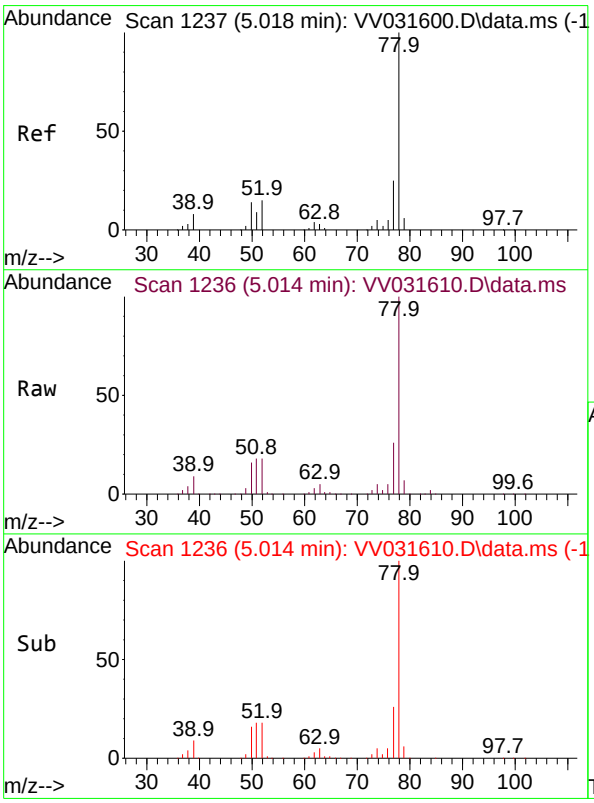

#31
Carbon tetrachloride
Concen: 47.913 ug/L
RT: 4.741 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:117 Resp: 148456

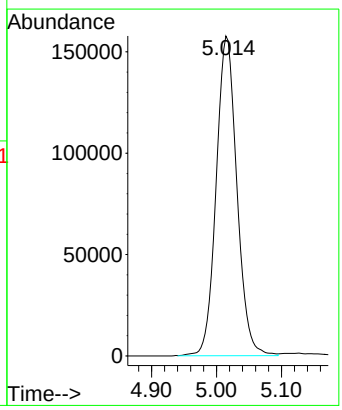
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 76.2 | 114.4 |

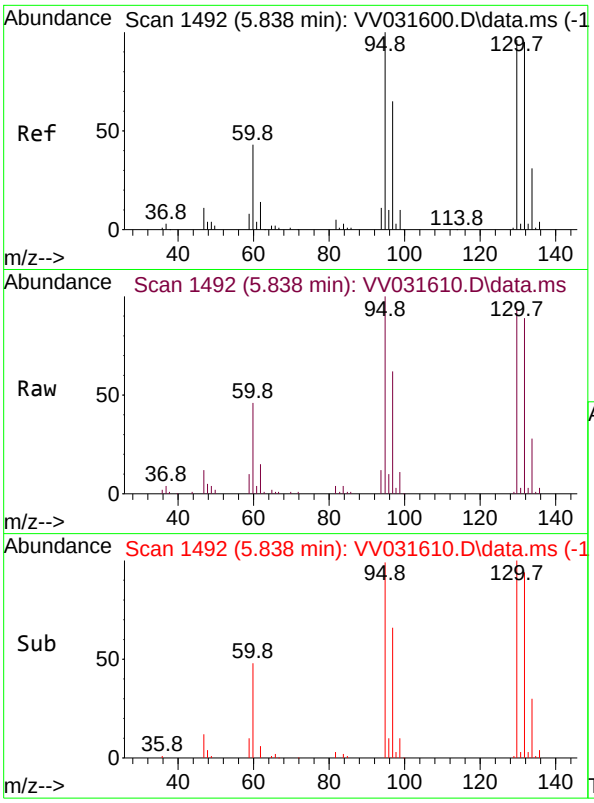



#33
Benzene
Concen: 48.013 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 78 Resp: 348655



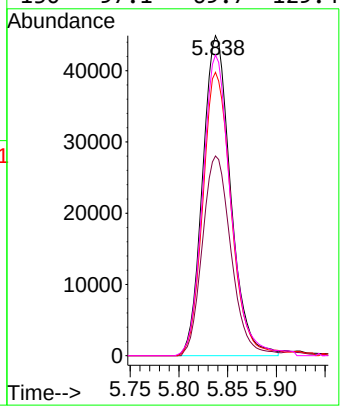


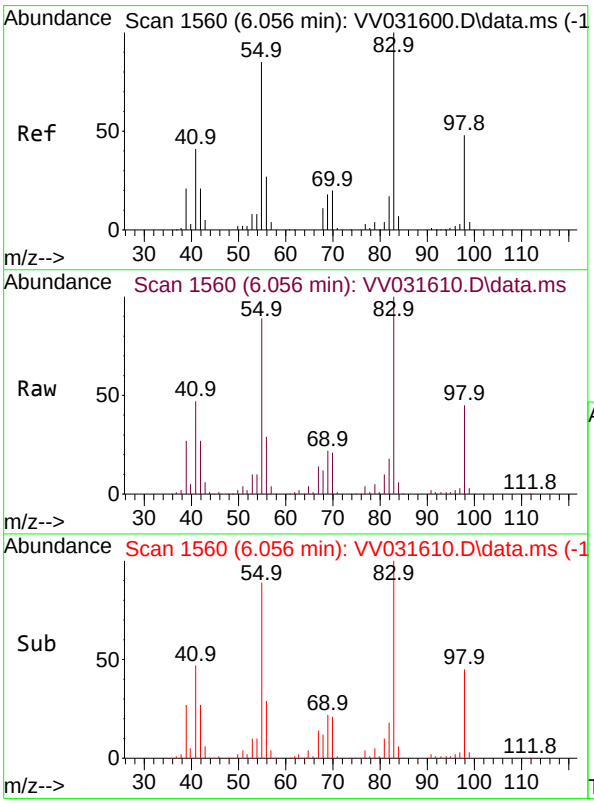

#34
Trichloroethene
Concen: 46.261 ug/L
RT: 5.838 min Scan# 14
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 95 Resp: 89767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.0 | 46.8 | 86.8 |
| 132 | 91.6 | 66.4 | 123.2 |
| 130 | 97.1 | 69.7 | 129.4 |

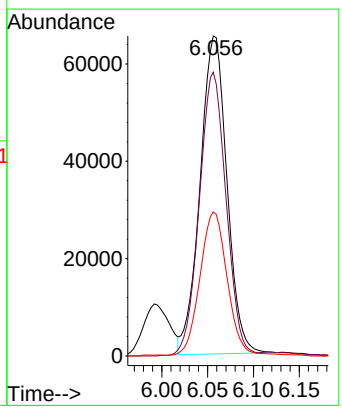


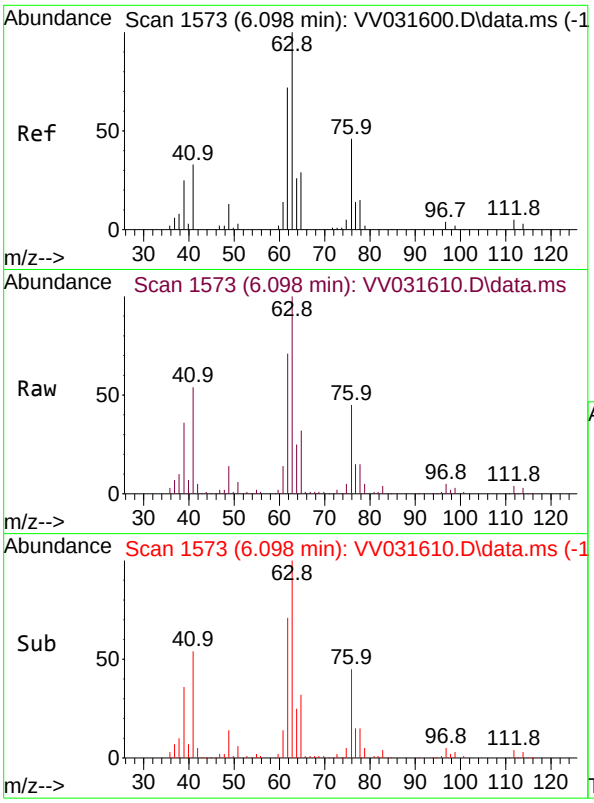




#35
Methylcyclohexane
Concen: 46.587 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 83 Resp: 133199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.9 | 68.7 | 103.1 |
| 98 | 46.5 | 37.0 | 55.4 |



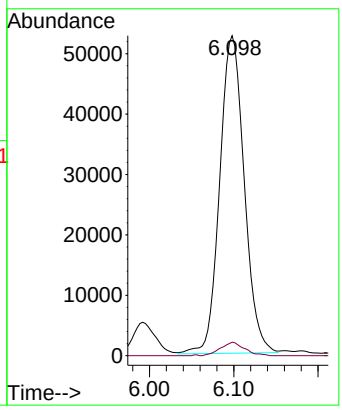


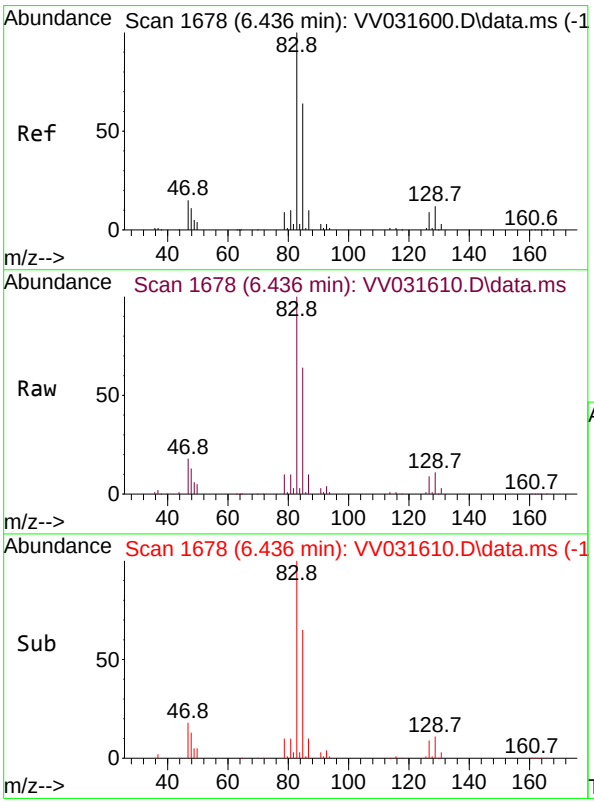

#37
1,2-Dichloropropane
Concen: 49.829 ug/L
RT: 6.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 63 Resp: 106253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.1 | 3.3 | 4.9 |

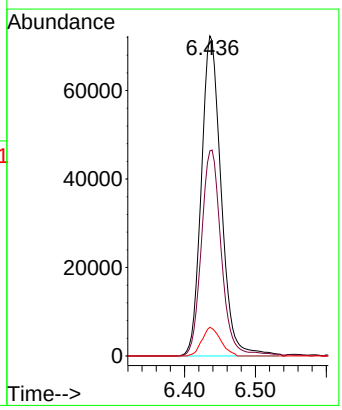


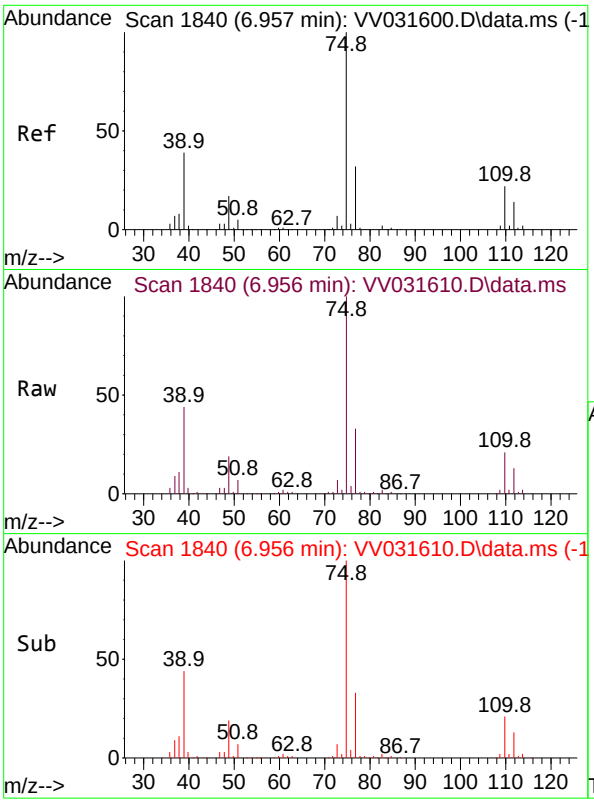




#38
Bromodichloromethane
Concen: 48.839 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 83 Resp: 140766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 45.3 | 84.1 |
| 127 | 9.8 | 7.6 | 11.4 |



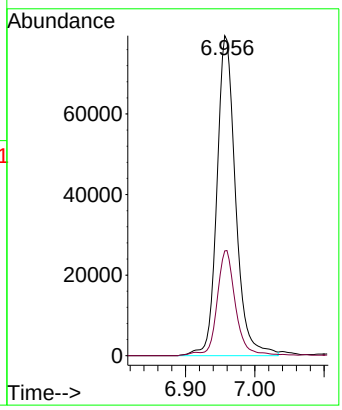


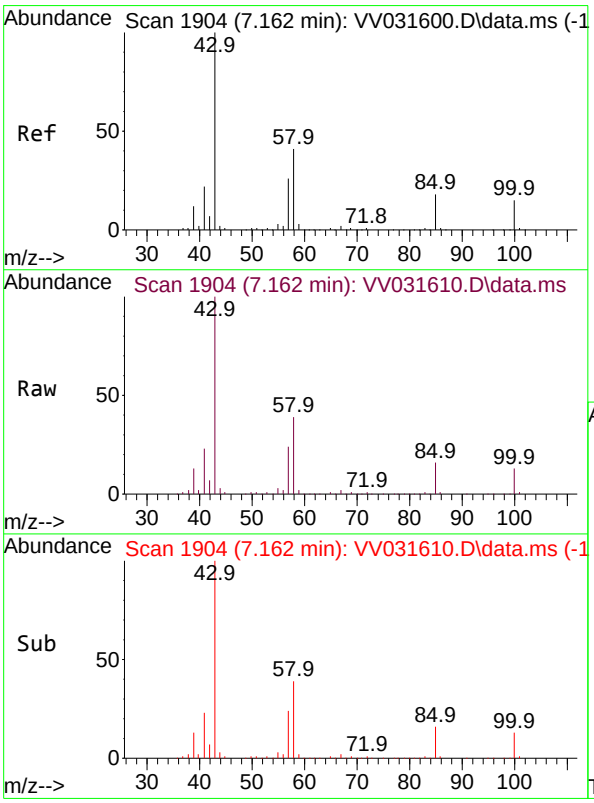

#39
cis-1,3-Dichloropropene
Concen: 47.050 ug/L
RT: 6.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 75 Resp: 148928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 21.8 | 40.6 |

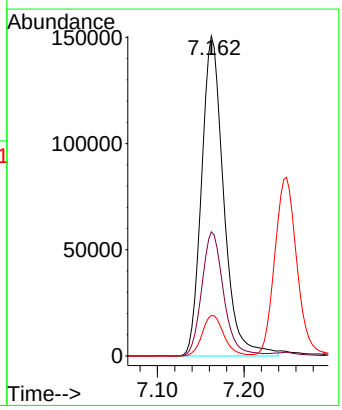


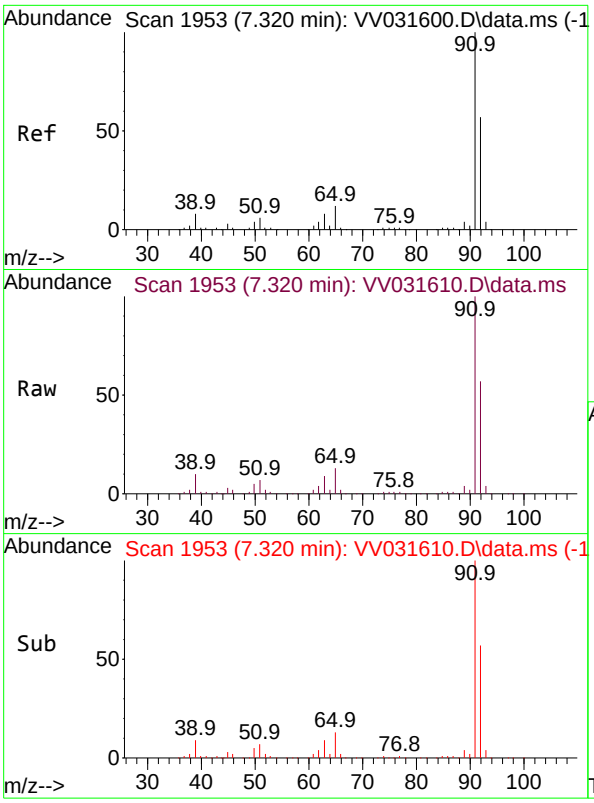




#40
4-Methyl-2-pentanone
Concen: 106.920 ug/L
RT: 7.162 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 43 Resp: 267712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 31.8 | 47.8 |
| 100 | 12.4 | 11.1 | 16.7 |



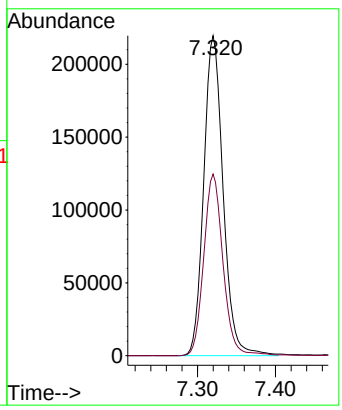


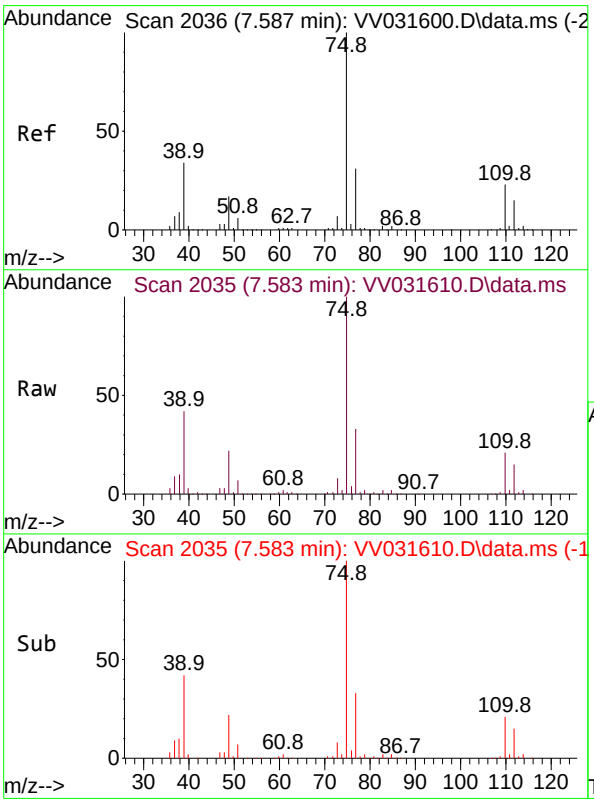

#42
Toluene
Concen: 50.439 ug/L
RT: 7.320 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 91 Resp: 379768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.7 | 39.6 | 73.6 |

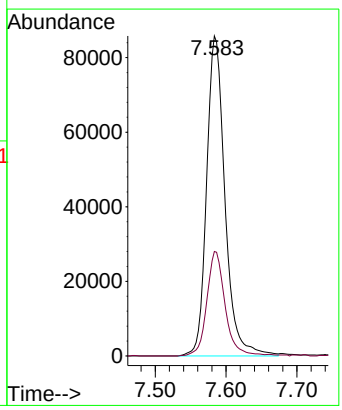


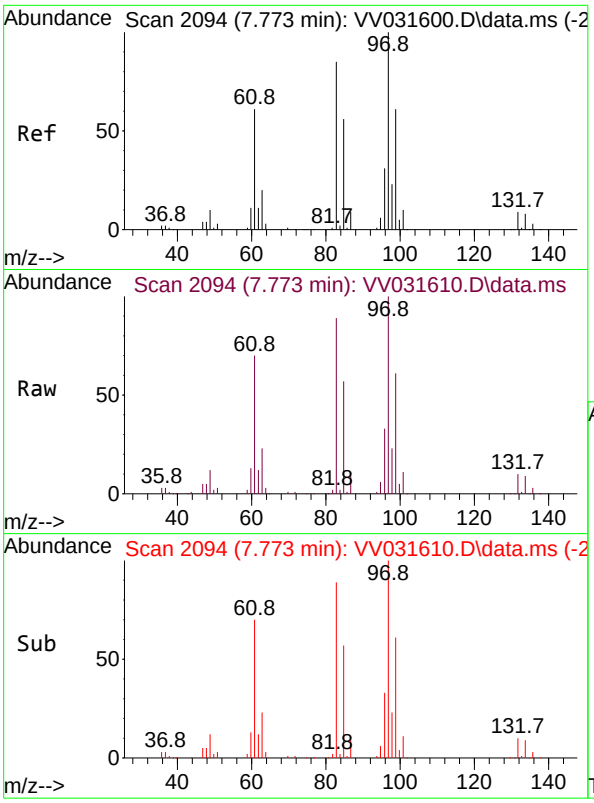




#44
trans-1,3-Dichloropropene
Concen: 50.054 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 75 Resp: 154292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 22.1 | 41.1 |



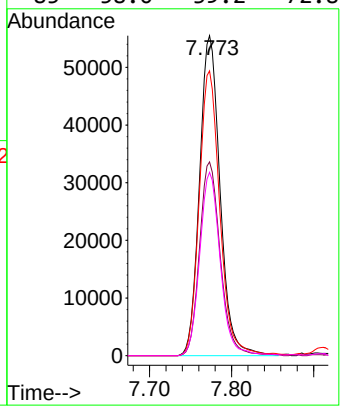


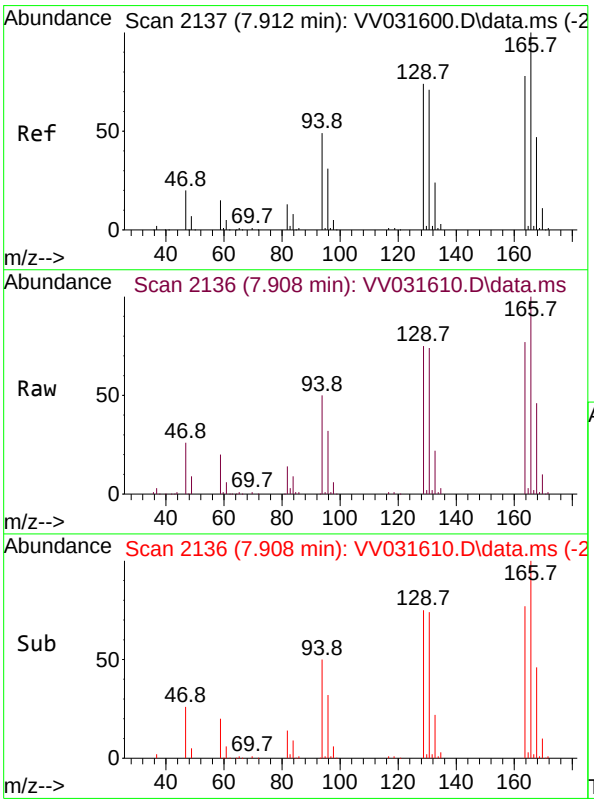

#45
1,1,2-Trichloroethane
Concen: 47.985 ug/L
RT: 7.773 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 97 Resp: 96660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.5 | 43.7 | 81.1 |
| 83 | 89.0 | 60.9 | 113.1 |
| 85 | 58.0 | 39.2 | 72.8 |

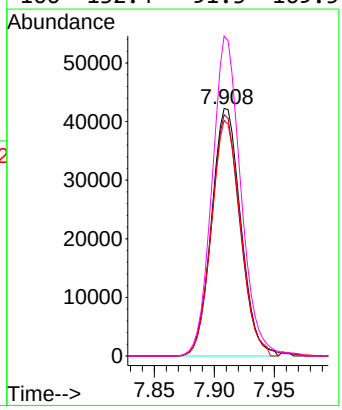


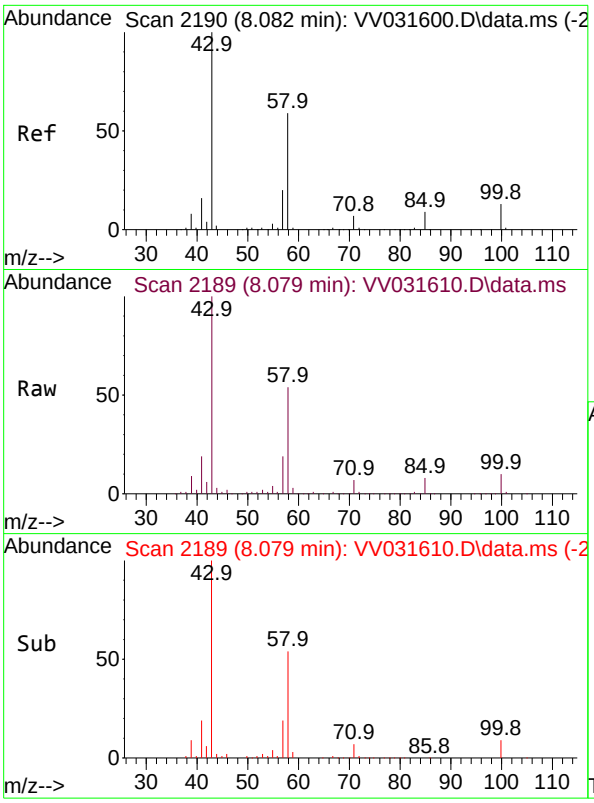




#46
Tetrachloroethene
Concen: 47.082 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:164 Resp: 71704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 97.5 | 68.4 | 127.0 |
| 131 | 97.3 | 67.6 | 125.6 |
| 166 | 132.4 | 91.3 | 169.5 |



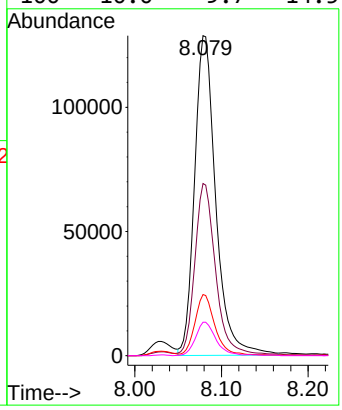


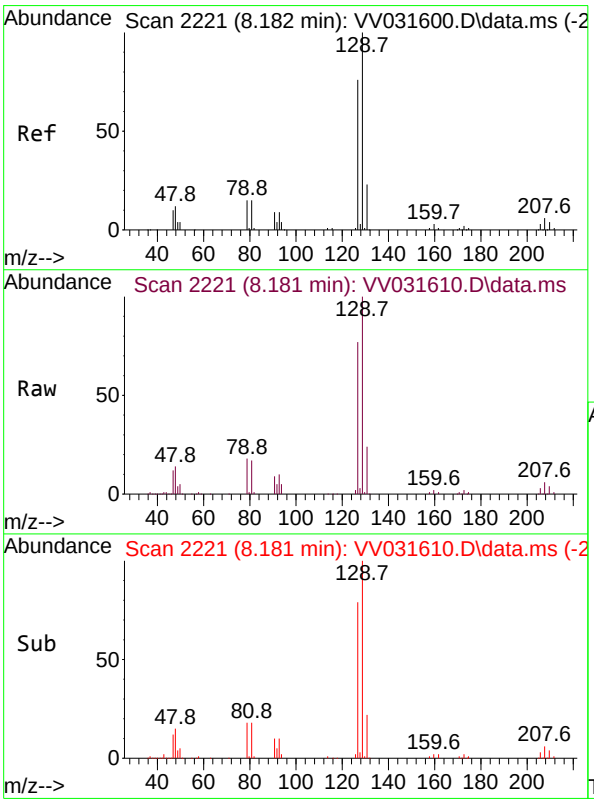

#48
2-Hexanone
Concen: 109.832 ug/L
RT: 8.079 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 43 Resp: 219634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.3 | 46.7 | 70.1 |
| 57 | 17.7 | 15.5 | 23.3 |
| 100 | 10.0 | 9.7 | 14.5 |

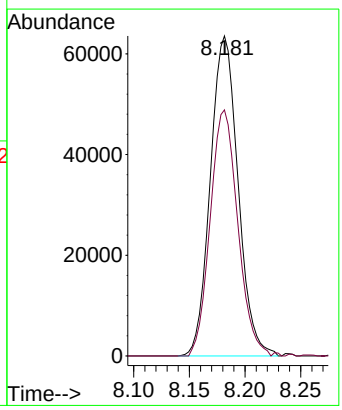


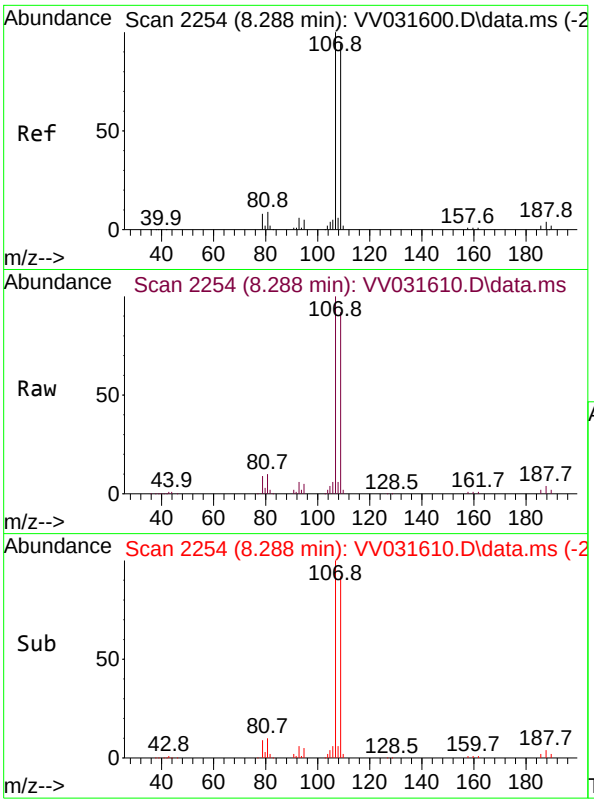




#49
Dibromochloromethane
Concen: 49.151 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:129 Resp: 110039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.1 | 55.8 | 103.6 |



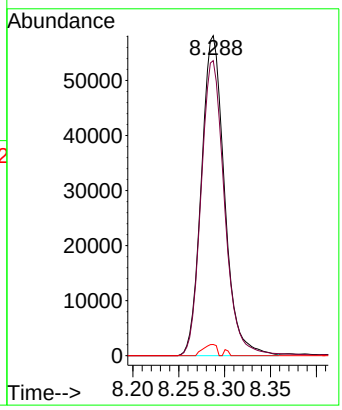


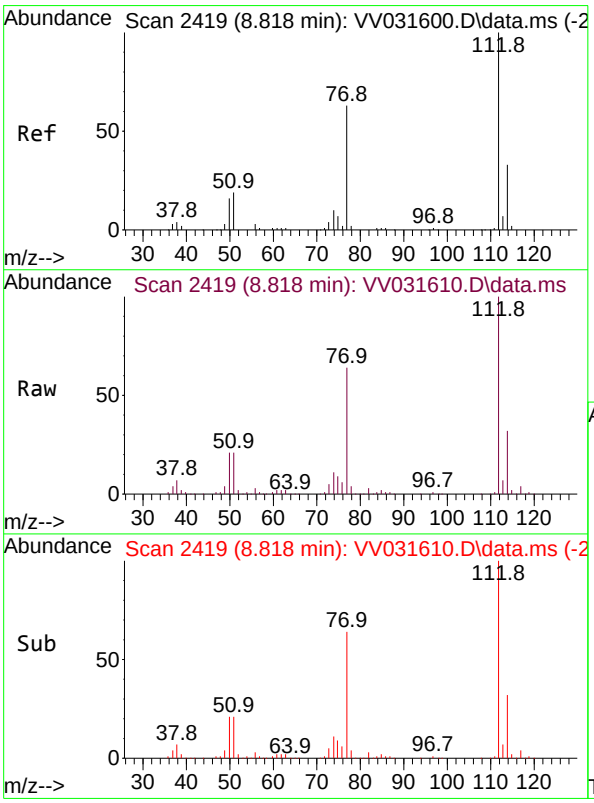

#50
1,2-Dibromoethane
Concen: 47.549 ug/L
RT: 8.288 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:107 Resp: 101986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.2 | 65.7 | 122.1 |
| 188 | 3.5 | 2.6 | 4.0 |

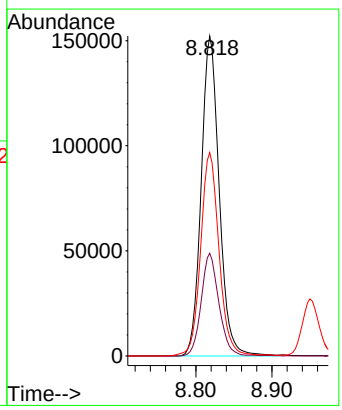


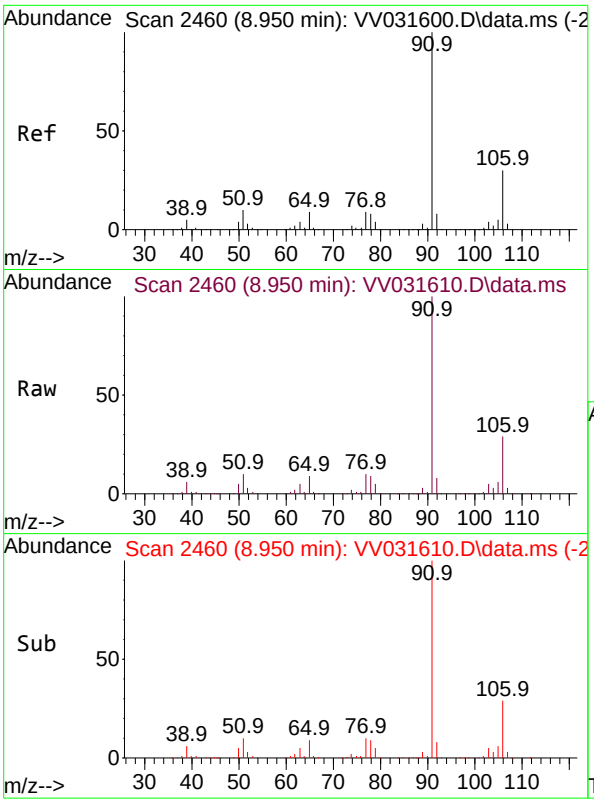




#51
Chlorobenzene
Concen: 50.208 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:112 Resp: 250368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 22.9 | 42.5 |
| 77 | 63.5 | 52.5 | 78.7 |



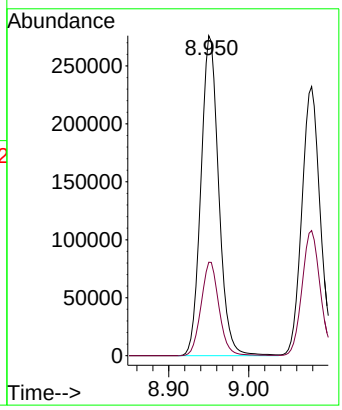


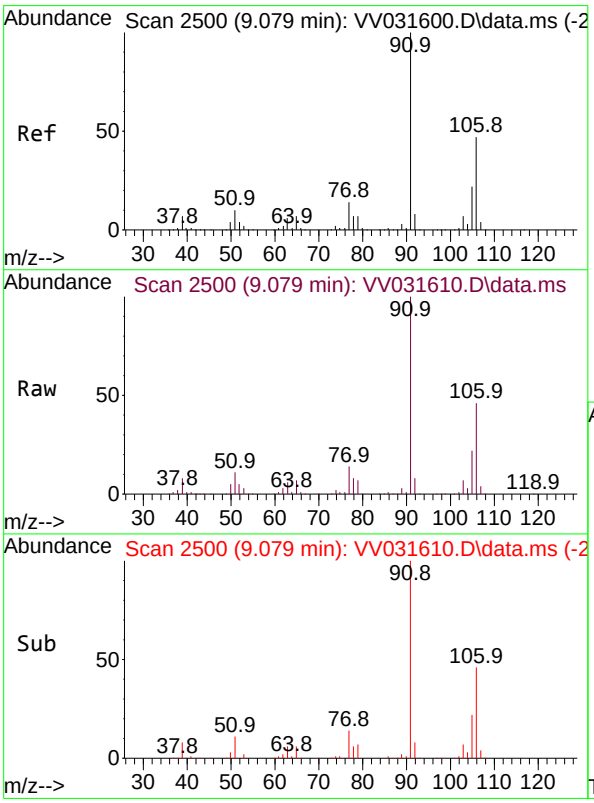

#52
Ethylbenzene
Concen: 50.906 ug/L
RT: 8.950 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 91 Resp: 427679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.2 | 20.8 | 38.6 |

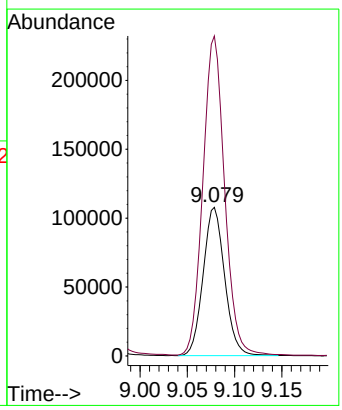


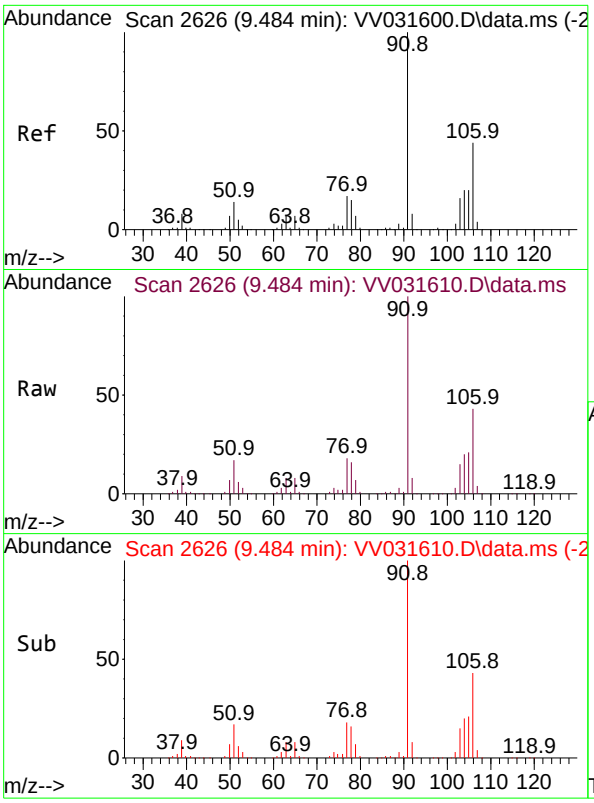




#53
m,p-Xylene
Concen: 55.437 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:106 Resp: 170560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.3 | 149.0 | 276.6 |



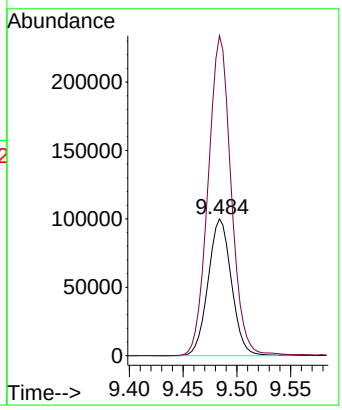


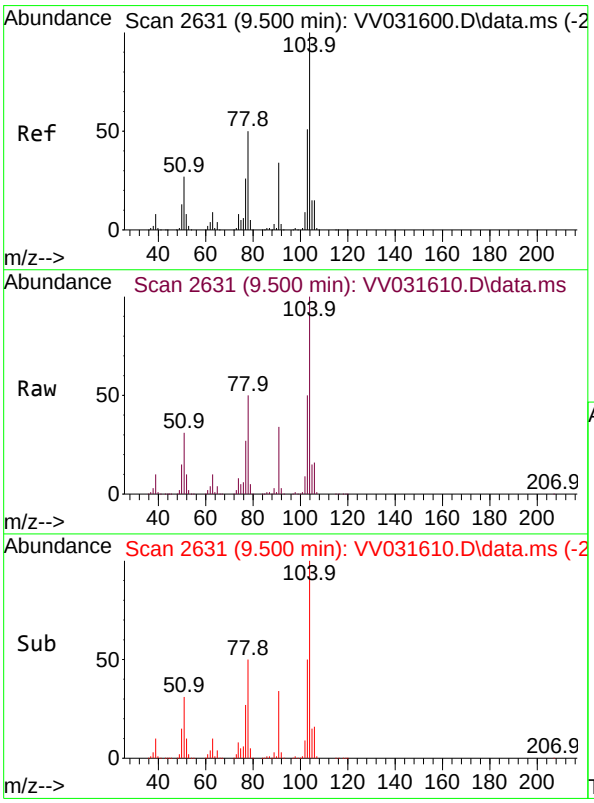

#54
o-Xylene
Concen: 51.676 ug/L
RT: 9.484 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:106 Resp: 150876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 233.9 | 161.3 | 299.7 |

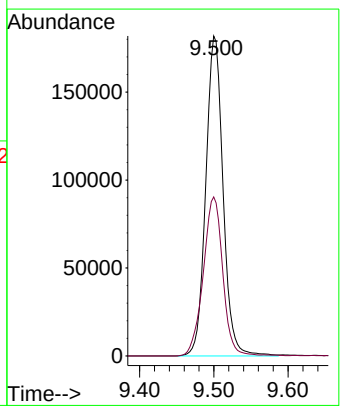


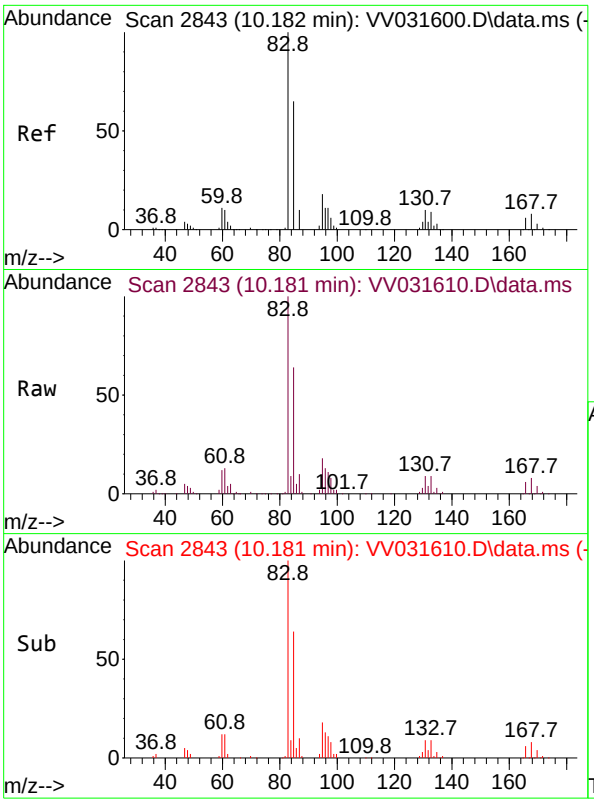




#55
Styrene
Concen: 56.419 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:104 Resp: 294189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.7 | 35.1 | 65.3 |



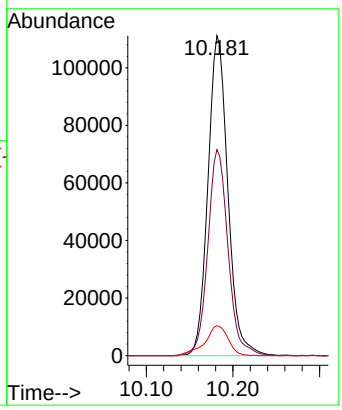


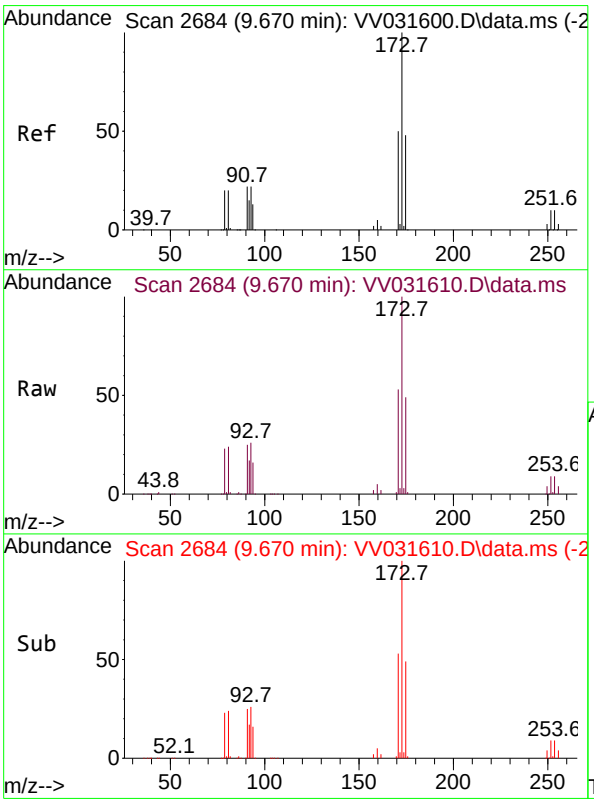

#57
1,1,2,2-Tetrachloroethane
Concen: 53.956 ug/L
RT: 10.181 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion: 83 Resp: 177587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 43.1 | 80.1 |
| 131 | 13.3 | 10.6 | 16.0 |

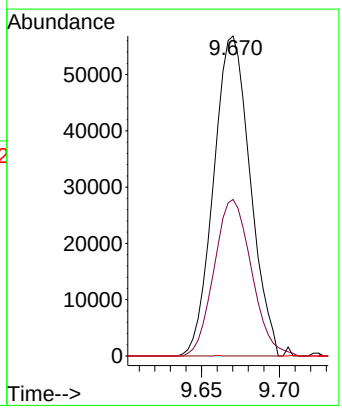


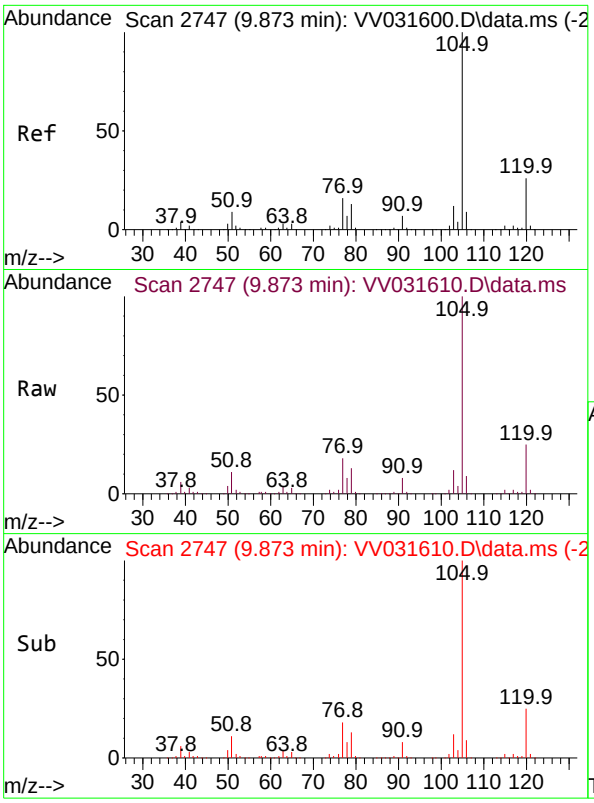




#59
Bromoform
Concen: 52.652 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:173 Resp: 92881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.0 | 37.7 | 56.5 |
| 254 | 0.0 | 0.1 | 0.1# |



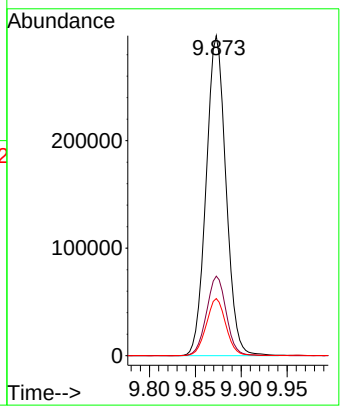


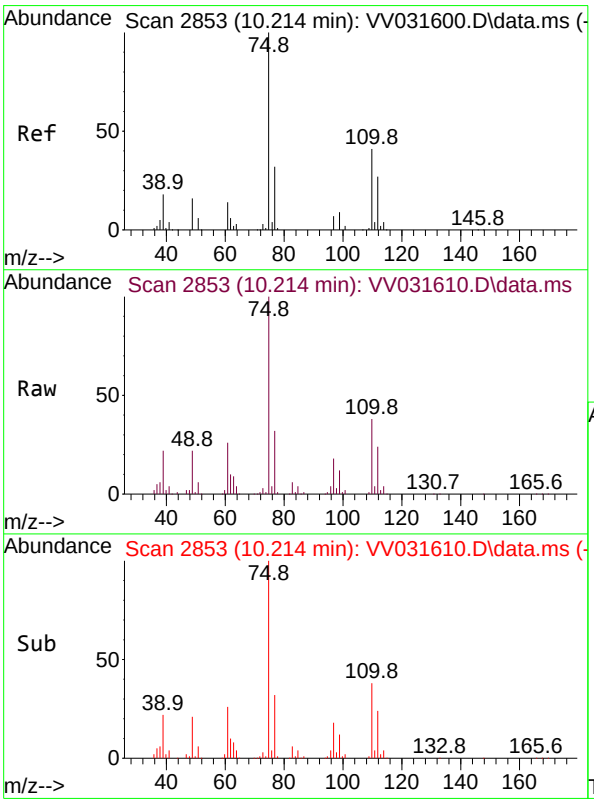

#60
Isopropylbenzene
Concen: 49.312 ug/L
RT: 9.873 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:105 Resp: 447395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.8 | 20.2 | 30.2 |
| 77 | 17.8 | 13.5 | 20.3 |

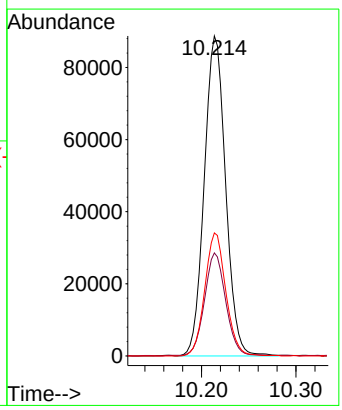


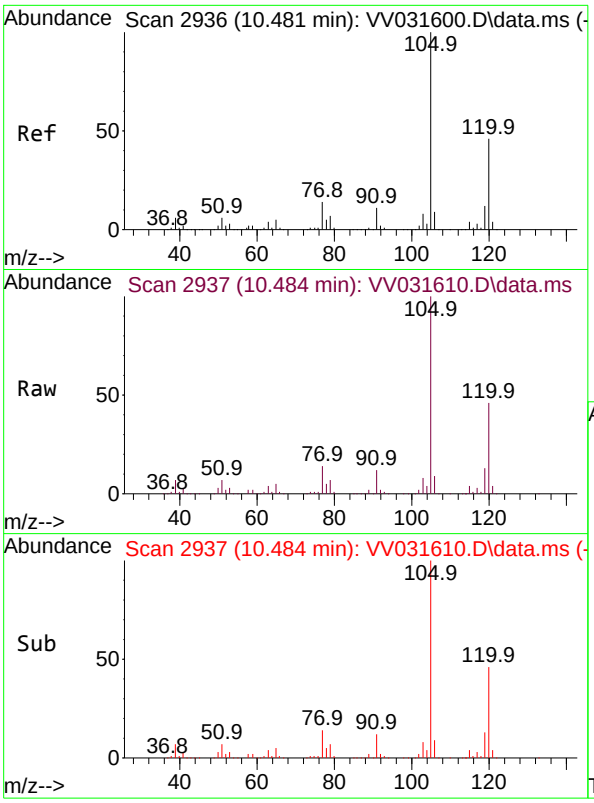




#61
1,2,3-Trichloropropane
Concen: 49.518 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 75 Resp: 139188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.0 |
| 110 | 37.8 | 31.3 | 46.9 |



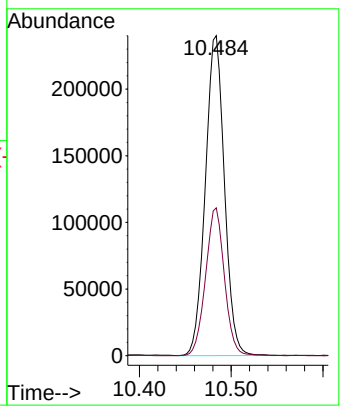


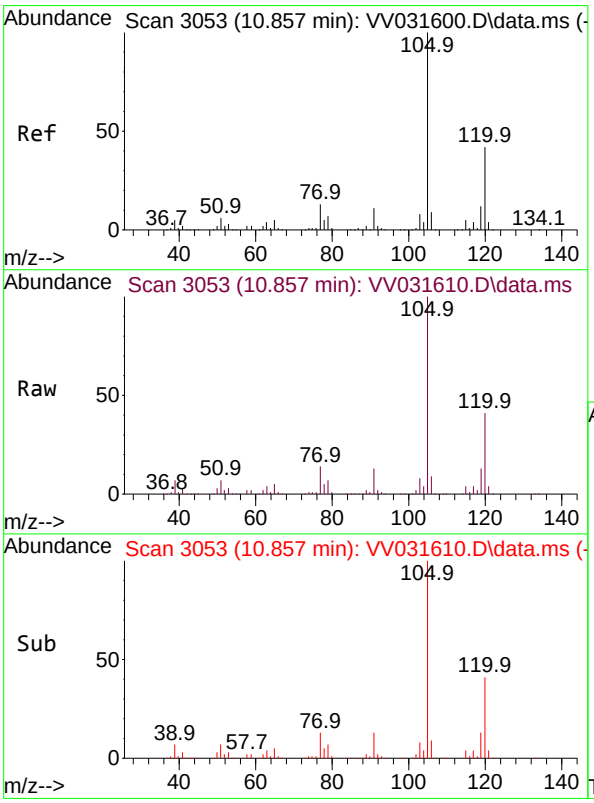

#62
1,3,5-Trimethylbenzene
Concen: 46.308 ug/L
RT: 10.484 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:105 Resp: 347243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.6 | 36.2 | 54.2 |

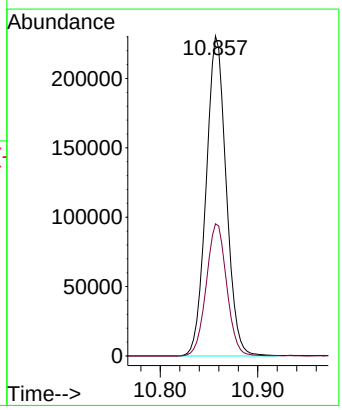


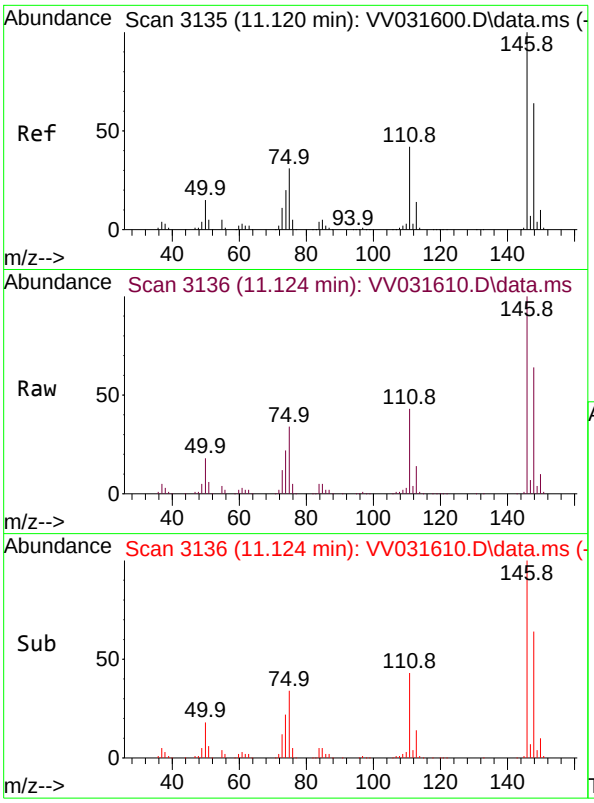




#63
1,2,4-Trimethylbenzene
Concen: 47.182 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:105 Resp: 329649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.1 | 33.4 | 50.2 |



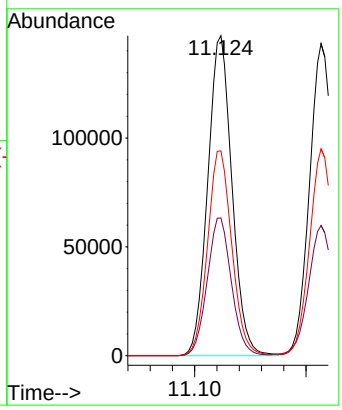


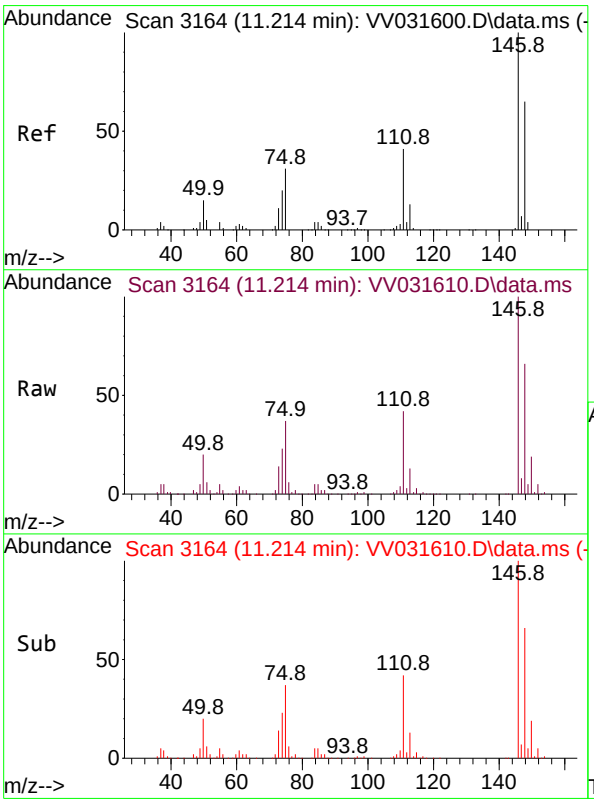

#64
1,3-Dichlorobenzene
Concen: 48.829 ug/L
RT: 11.124 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:146 Resp: 222107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 30.4 | 56.5 |
| 148 | 64.0 | 44.7 | 83.1 |

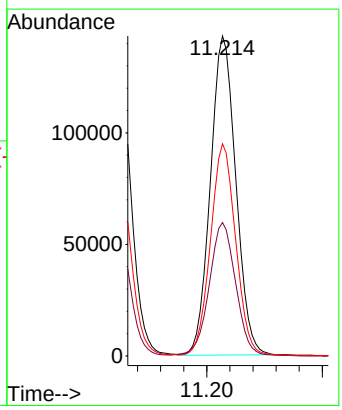


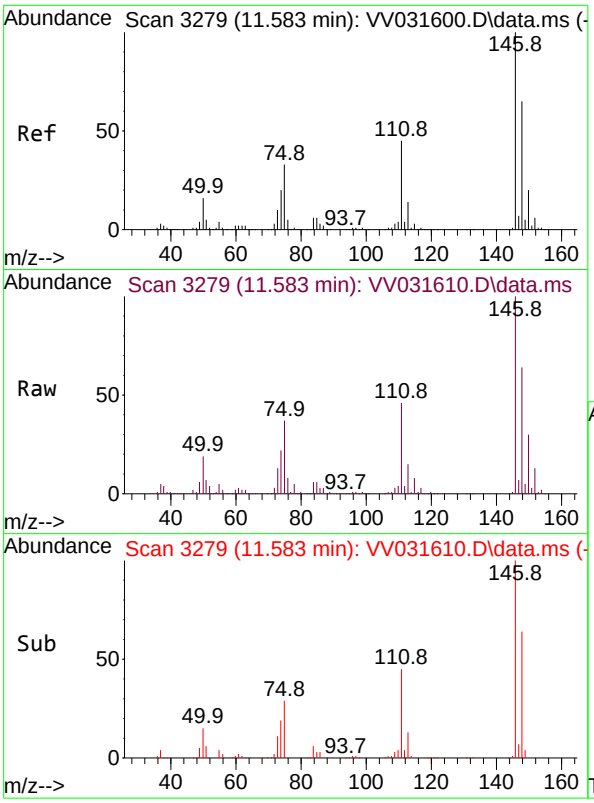




#65
1,4-Dichlorobenzene
Concen: 45.059 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:146 Resp: 218405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.7 | 27.9 | 51.7 |
| 148 | 66.3 | 43.6 | 81.0 |



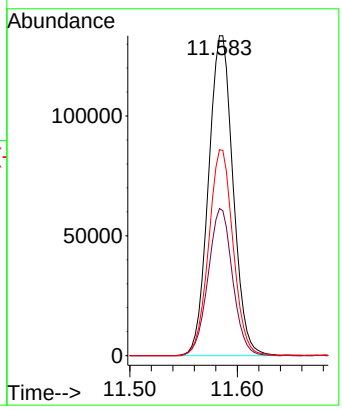


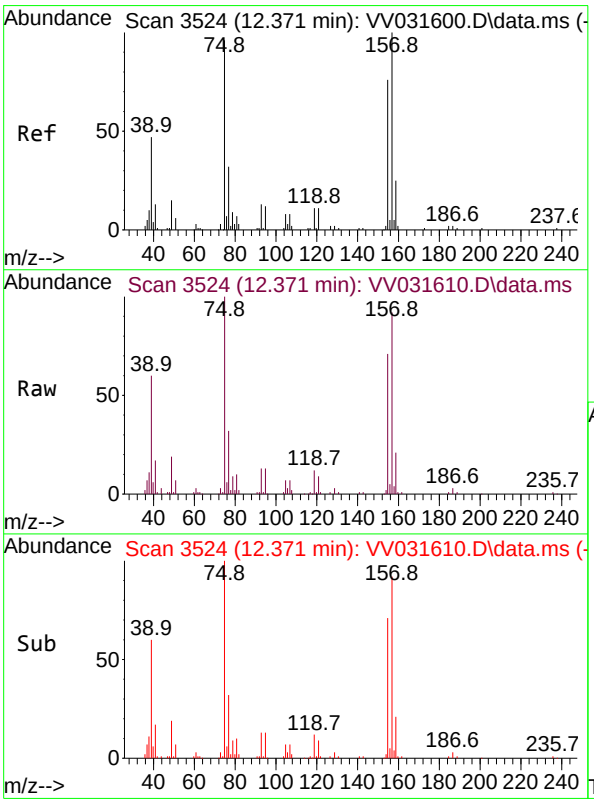

#67
1,2-Dichlorobenzene
Concen: 46.093 ug/L
RT: 11.583 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:146 Resp: 211608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.0 | 35.9 | 53.9 |
| 148 | 64.4 | 52.6 | 78.8 |

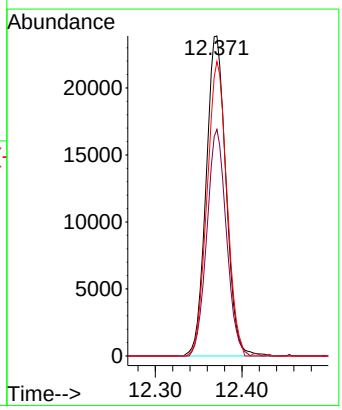


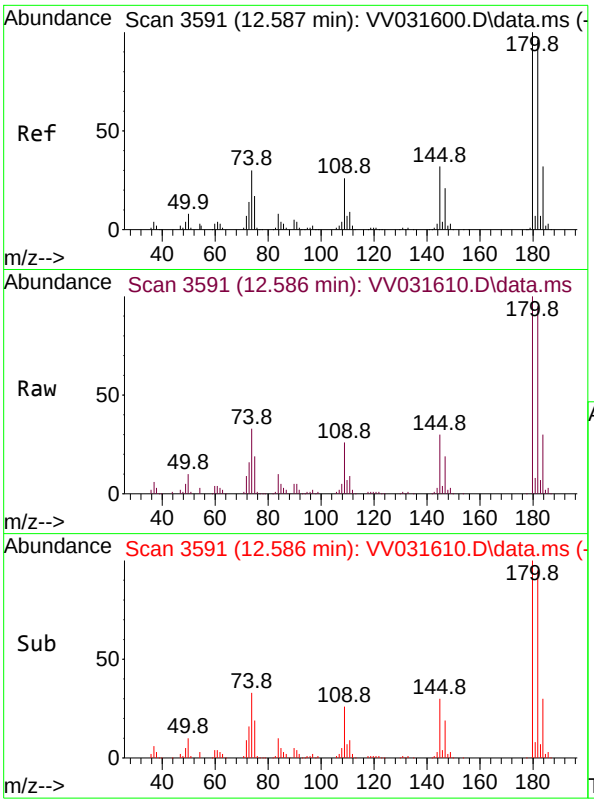




#68
1,2-Dibromo-3-chloropropane
Concen: 45.572 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion: 75 Resp: 38019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 70.8 | 63.2 | 94.8 |
| 157 | 92.0 | 85.3 | 127.9 |



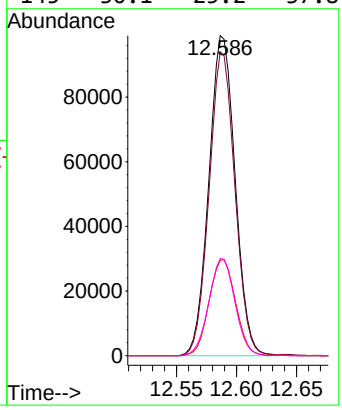


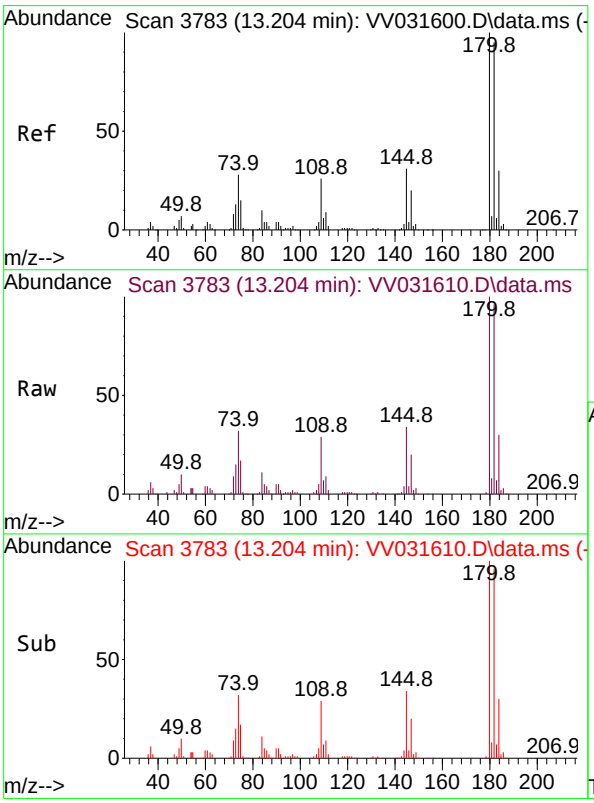

#69
1,3,5-Trichlorobenzene
Concen: 43.459 ug/L
RT: 12.586 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:180 Resp: 150626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 76.6 | 115.0 |
| 184 | 30.2 | 24.7 | 37.1 |
| 145 | 30.1 | 25.2 | 37.8 |

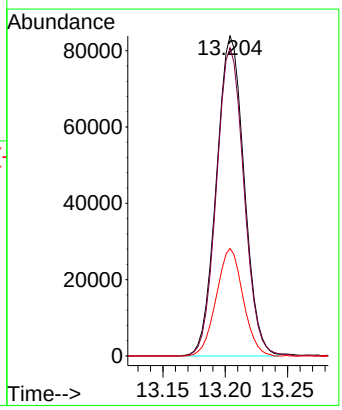


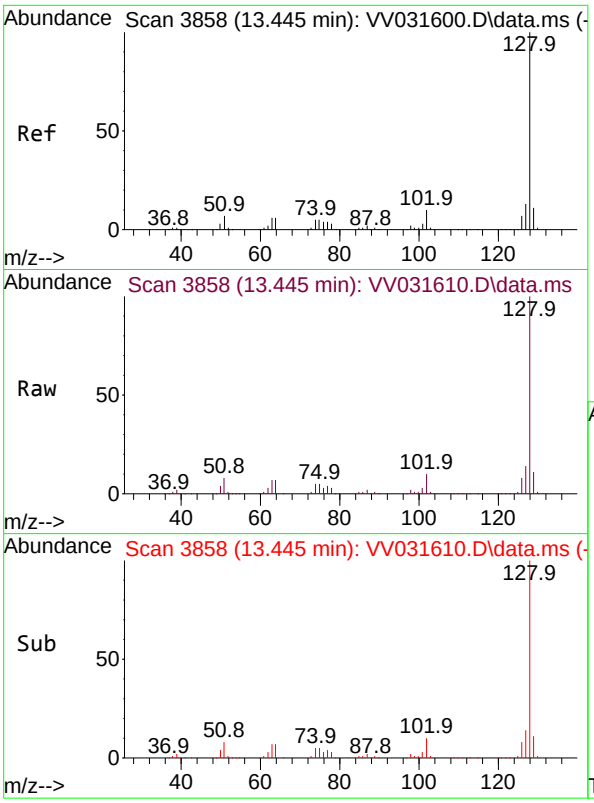




#70
1,2,4-trichlorobenzene
Concen: 42.769 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:180 Resp: 129933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 77.7 | 116.5 |
| 145 | 32.4 | 26.1 | 39.1 |



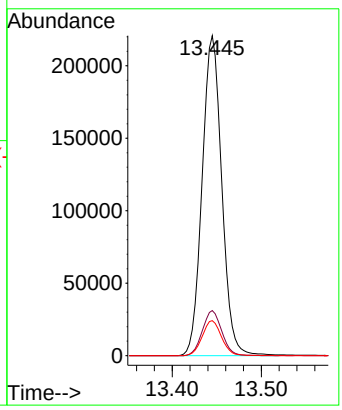


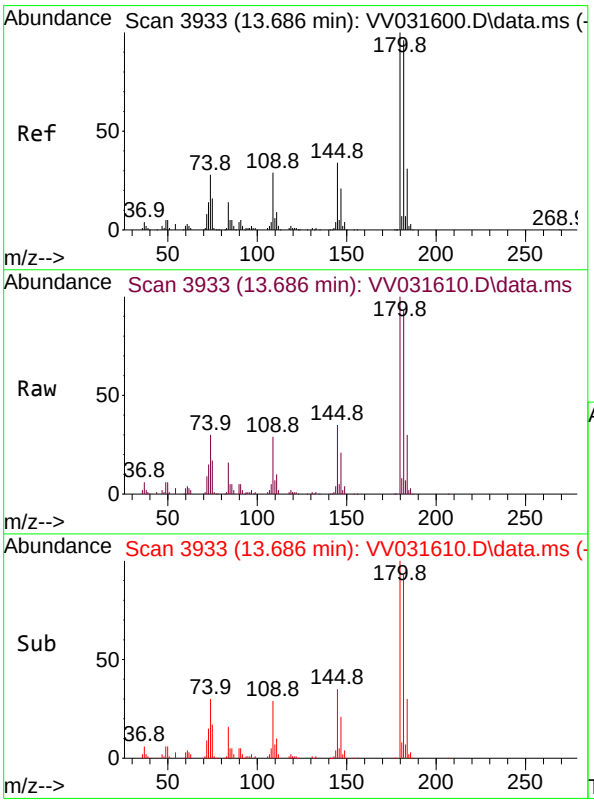

#71
Naphthalene
Concen: 43.915 ug/L
RT: 13.445 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD050380

Tgt Ion:128 Resp: 337931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.6 | 16.0 |
| 129 | 10.8 | 8.6 | 13.0 |




#72
1,2,3-Trichlorobenzene
Concen: 45.257 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031610.D
Acq: 29 Jun 2023 10:12

Tgt Ion:180 Resp: 142877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 74.0 | 111.0 |
| 145 | 33.8 | 26.2 | 39.2 |