# Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
Data File : VV034719.D
Acq On : 19 Mar 2024 00:42
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Mar 19 03:00:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 19 02:53:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| **Internal Standards** | | | | | |
| 1) 1,4-Difluorobenzene | 5.532 | 114 | 351671 | 50.000 ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.783 | 117 | 337475 | 50.000 ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.185 | 152 | 173881 | 50.000 ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 161788 | 53.069 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 106.140% | | |
| 7) Chloroethane-d5 | 1.529 | 69 | 125876 | 52.998 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 106.000% | | |
| 11) 1,1-Dichloroethene-d2 | 2.057 | 65 | 69047 | 50.080 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 100.160% | | |
| 21) 2-Butanone-d5 | 3.790 | 46 | 205116 | 100.610 ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 100.610% | | |
| 24) Chloroform-d | 4.246 | 84 | 274370 | 50.901 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.800% | | |
| 26) 1,2-Dichloroethane-d4 | 4.937 | 65 | 178234 | 50.600 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.200% | | |
| 32) Benzene-d6 | 4.957 | 84 | 527764 | 51.817 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.640% | | |
| 36) 1,2-Dichloropropane-d6 | 5.986 | 67 | 158790 | 51.086 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 102.180% | | |
| 41) Toluene-d8 | 7.240 | 98 | 476502 | 51.698 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.400% | | |
| 43) trans-1,3-Dichloroprop... | 7.551 | 79 | 80487 | 51.565 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 103.120% | | |
| 47) 2-Hexanone-d5 | 8.024 | 63 | 132306 | 85.241 ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 85.240% | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84 | 214425 | 52.421 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.840% | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.558 | 152 | 180432 | 50.766 ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 101.540% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.105 | 85 | 143644 | 38.941 ug/L | 98 |
| 3) Chloromethane | 1.214 | 50 | 140002 | 38.625 ug/L | 100 |
| 5) Vinyl chloride | 1.285 | 62 | 144111 | 40.959 ug/L | 99 |
| 6) Bromomethane | 1.487 | 94 | 90627 | 42.930 ug/L | 98 |
| 8) Chloroethane | 1.545 | 64 | 92833 | 44.391 ug/L | 99 |
| 9) Trichlorofluoromethane | 1.712 | 101 | 224779 | 42.661 ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069 | 101 | 123258 | 43.404 ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.069 | 96 | 113319 | 43.033 ug/L | 93 |
| 13) Acetone | 2.121 | 43 | 150801 | 61.529 ug/L | 98 |
| 14) Carbon disulfide | 2.240 | 76 | 284062 | 38.869 ug/L | 98 |
| 15) Methyl Acetate | 2.372 | 43 | 162651 | 51.874 ug/L | 98 |
| 16) Methylene chloride | 2.446 | 84 | 138800 | 49.691 ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 2.693 | 96 | 115987 | 45.507 ug/L | 96 |
| 18) Methyl tert-butyl Ether | 2.703 | 73 | 474863 | 51.881 ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.108 | 63 | 252699 | 50.612 ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.812 | 96 | 139067 | 50.288 ug/L | 95 |
| 22) 2-Butanone | 3.870 | 43 | 211070 | 87.212 ug/L | 99 |
| 23) Bromochloromethane | 4.146 | 128 | 72482 | 50.688 ug/L | 96 |
| 25) Chloroform | 4.275 | 83 | 258870 | 50.023 ug/L | 100 |

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Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Mar 19 03:00:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 19 02:53:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.040 | 62 | 208993 | 49.707 ug/L | 98 |
| 29) Cyclohexane | 4.580 | 56 | 187726 | 42.291 ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 4.510 | 97 | 227629 | 47.037 ug/L | 99 |
| 31) Carbon tetrachloride | 4.735 | 117 | 196554 | 45.875 ug/L | 99 |
| 33) Benzene | 5.008 | 78 | 505875 | 48.293 ug/L | 100 |
| 34) Trichloroethene | 5.831 | 95 | 135298 | 45.438 ug/L | 96 |
| 35) Methylcyclohexane | 6.050 | 83 | 188907 | 41.731 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.092 | 63 | 141738 | 51.682 ug/L | 100 |
| 38) Bromodichloromethane | 6.429 | 83 | 193983 | 50.285 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 6.950 | 75 | 216341 | 48.688 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.153 | 43 | 428511 | 105.962 ug/L | 98 |
| 42) Toluene | 7.314 | 91 | 541044 | 48.802 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.580 | 75 | 215080 | 50.329 ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 7.767 | 97 | 138202 | 52.228 ug/L | 99 |
| 46) Tetrachloroethene | 7.905 | 164 | 100111 | 45.208 ug/L | 99 |
| 48) 2-Hexanone | 8.072 | 43 | 339421 | 105.331 ug/L | 99 |
| 49) Dibromochloromethane | 8.175 | 129 | 145312 | 52.038 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.278 | 107 | 144350 | 51.407 ug/L | 99 |
| 51) Chlorobenzene | 8.812 | 112 | 353628 | 49.340 ug/L | 99 |
| 52) Ethylbenzene | 8.944 | 91 | 608913 | 49.018 ug/L | 99 |
| 53) m,p-Xylene | 9.072 | 106 | 229873 | 48.765 ug/L | 97 |
| 54) o-Xylene | 9.477 | 106 | 225853 | 48.929 ug/L | 98 |
| 55) Styrene | 9.493 | 104 | 397066 | 50.805 ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83 | 215136 | 54.130 ug/L | 99 |
| 59) Bromoform | 9.664 | 173 | 103682 | 53.782 ug/L | 99 |
| 60) Isopropylbenzene | 9.866 | 105 | 630548 | 51.273 ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.207 | 75 | 179161 | 53.978 ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.474 | 105 | 526893 | 50.791 ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.850 | 105 | 533186 | 51.968 ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.114 | 146 | 287025 | 50.480 ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.207 | 146 | 290363 | 50.287 ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 11.577 | 146 | 291798 | 51.214 ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.362 | 75 | 51963 | 52.555 ug/L | 99 |
| 69) 1,3,5-Trichlorobenzene | 12.580 | 180 | 205992 | 48.292 ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.198 | 180 | 188574 | 49.131 ug/L | 97 |
| 71) Naphthalene | 13.435 | 128 | 511420 | 49.813 ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 13.680 | 180 | 190782 | 50.953 ug/L | 100 |

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

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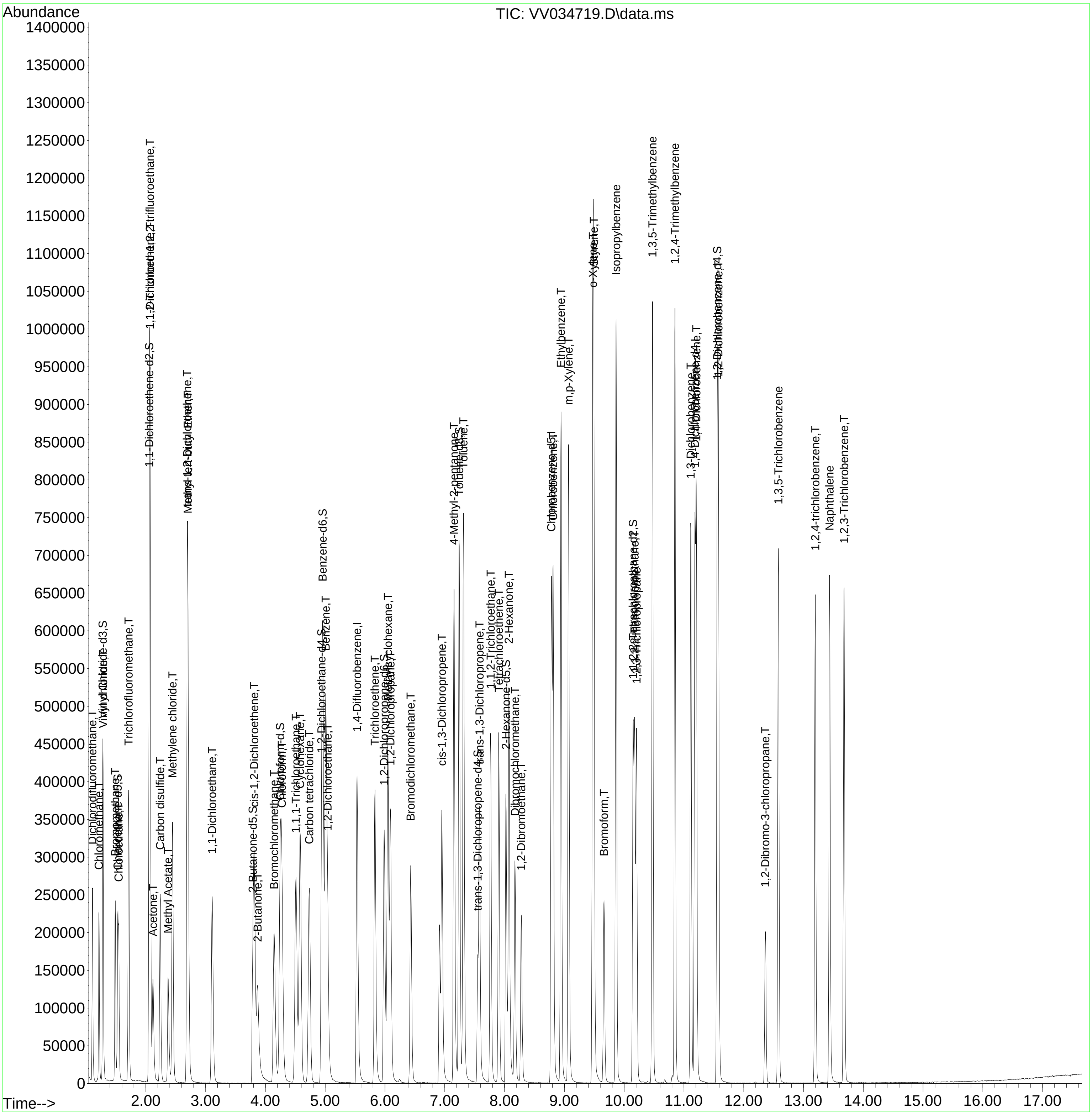
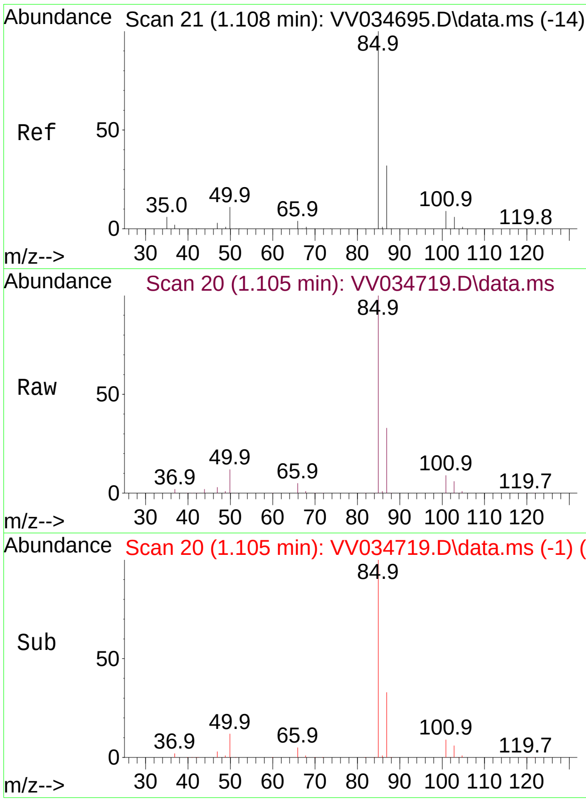
Operator  : SY/MD
Sample    : VSTDCCC050EC
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 29   Sample Multiplier: 1

Quant Time: Mar 19 03:00:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
Quant Title  : VOC Analysis
QLast Update : Tue Mar 19 02:53:17 2024
Response via : Initial Calibration

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





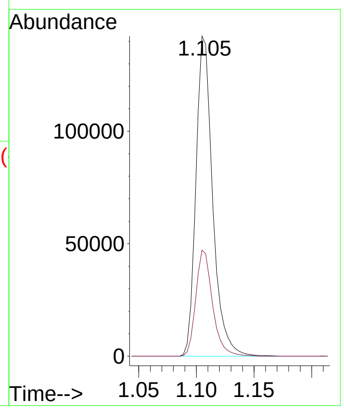

#2
Dichlorodifluoromethane
Concen: 38.941 ug/L
RT: 1.105 min Scan# 2

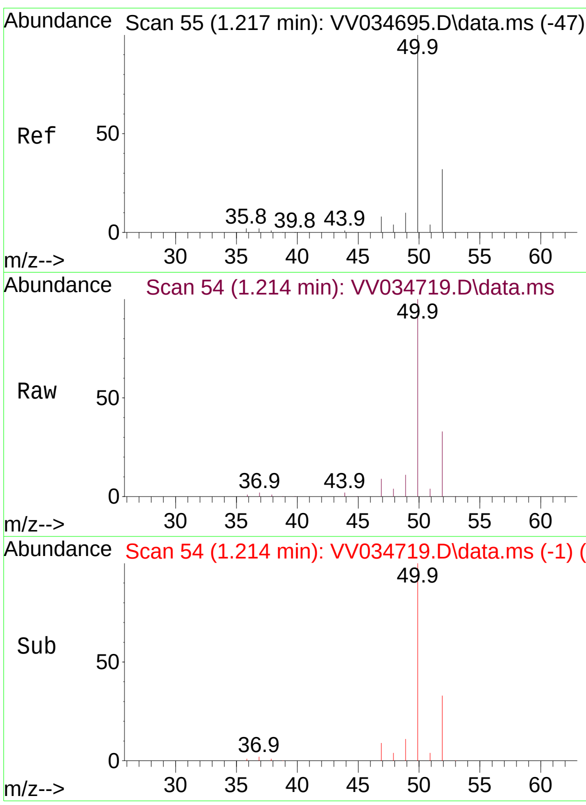
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 85 Resp: 143644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 25.5 | 38.3 |

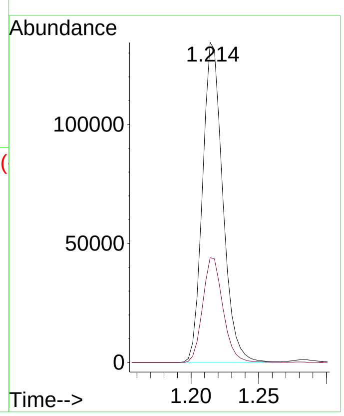


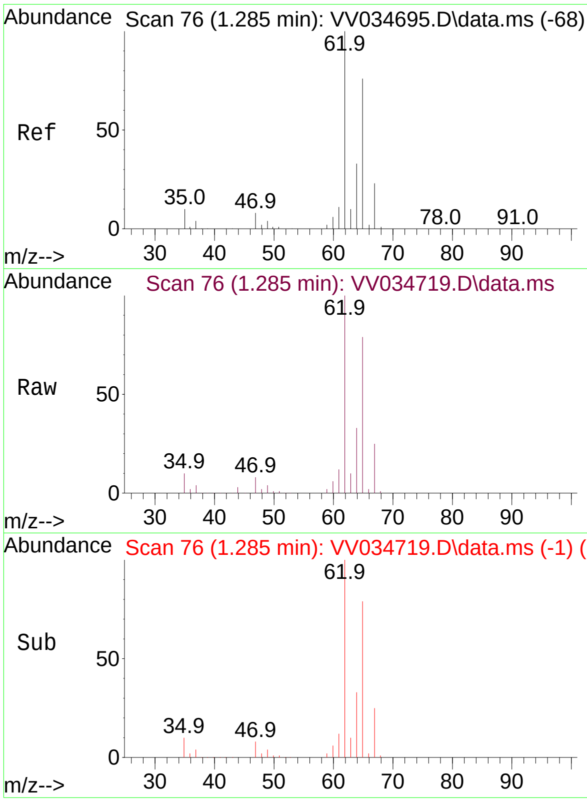




#3
Chloromethane
Concen: 38.625 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 50 Resp: 140002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 23.0 | 42.8 |





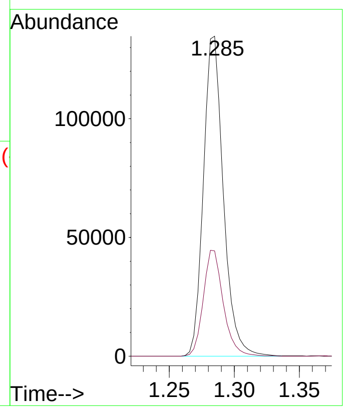

#5
Vinyl chloride
Concen: 40.959 ug/L
RT: 1.285 min Scan# 7

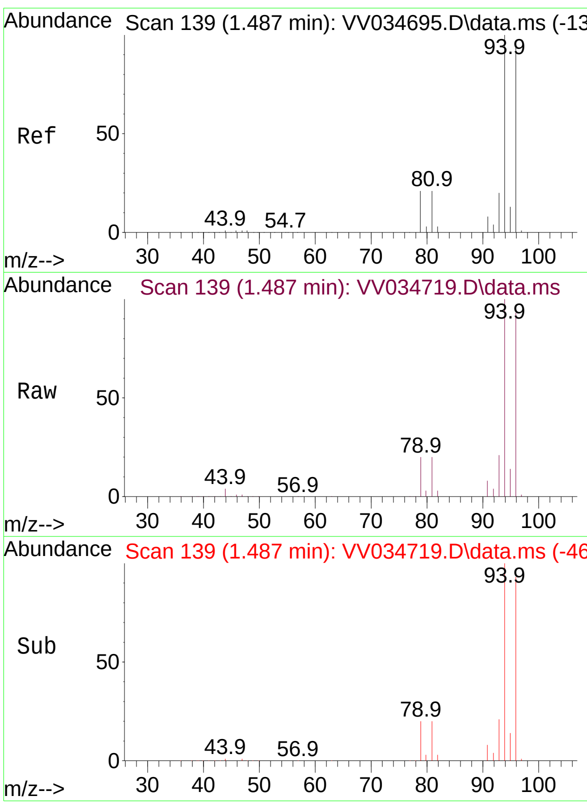
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 62 Resp: 144111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 23.4 | 43.6 |

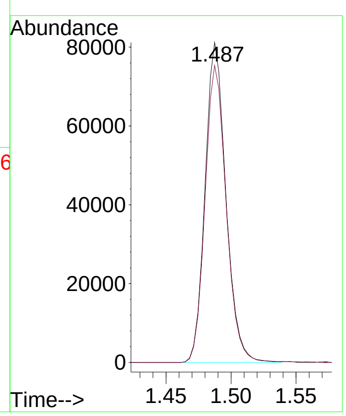


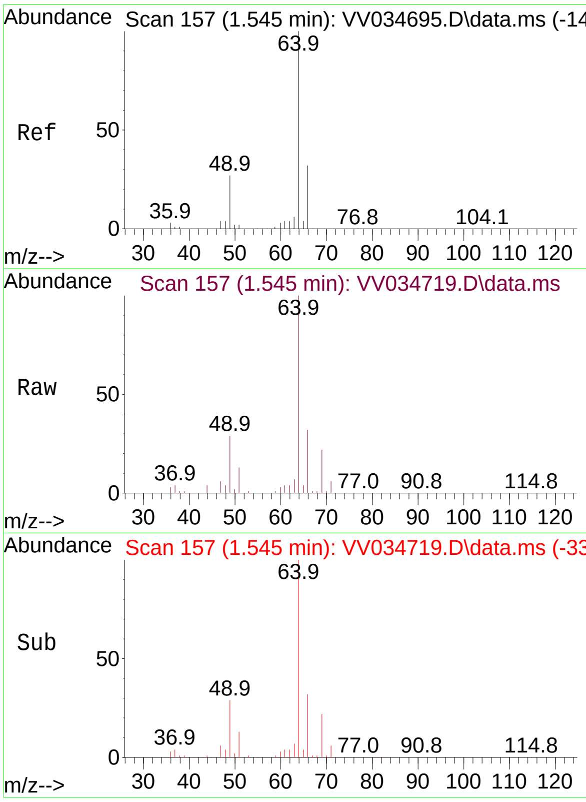




#6
Bromomethane
Concen: 42.930 ug/L
RT: 1.487 min Scan# 139
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 94 Resp: 90627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.8 | 66.0 | 122.6 |



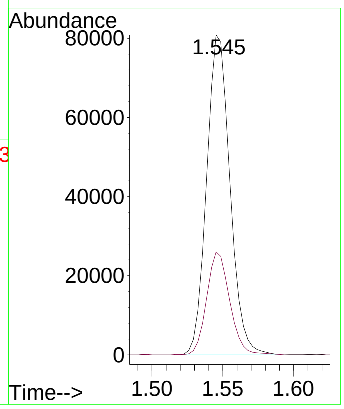


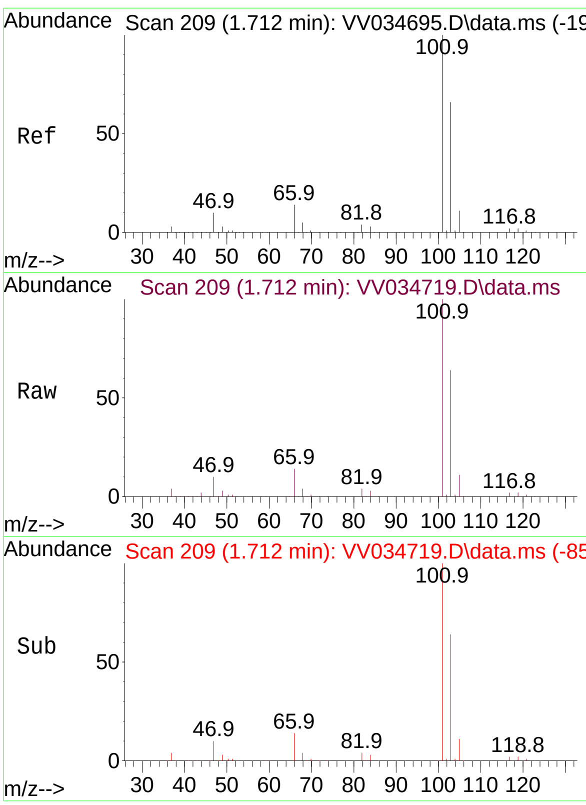

#8
Chloroethane
Concen:   44.391 ug/L
RT:   1.545 min   Scan# 1
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

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

Tgt Ion: 64 Resp:    92833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.2 | 22.0 | 40.8 |

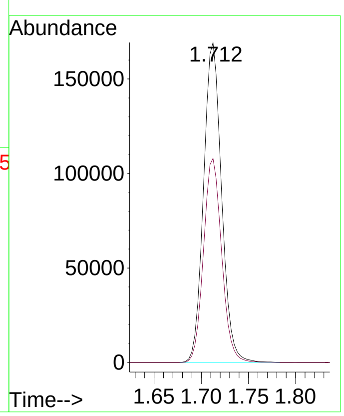


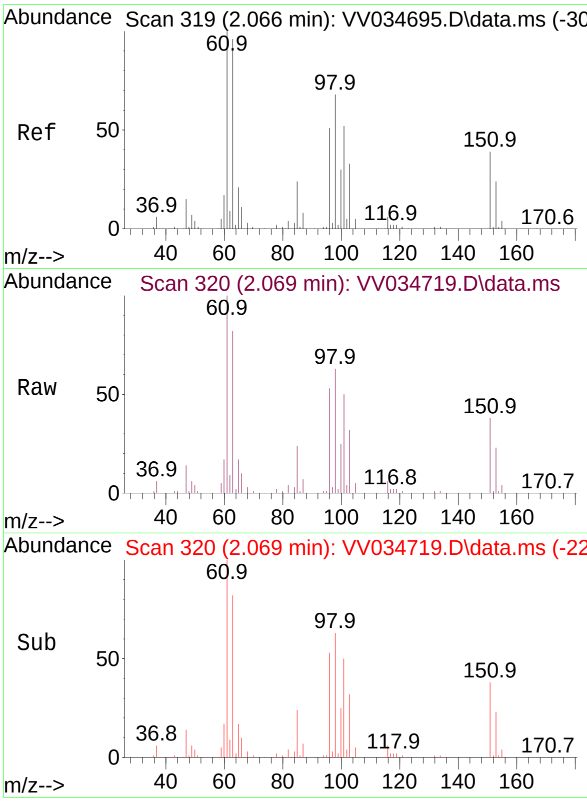




#9
Trichlorofluoromethane
Concen:   42.661 ug/L
RT:   1.712 min   Scan# 209
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

Tgt Ion:101 Resp:   224779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 51.8 | 77.8 |



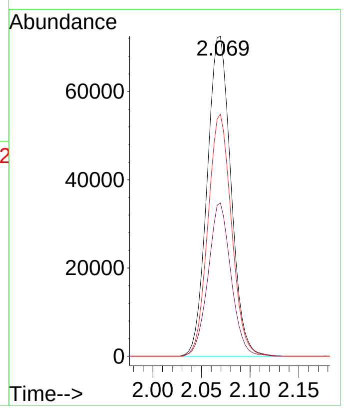


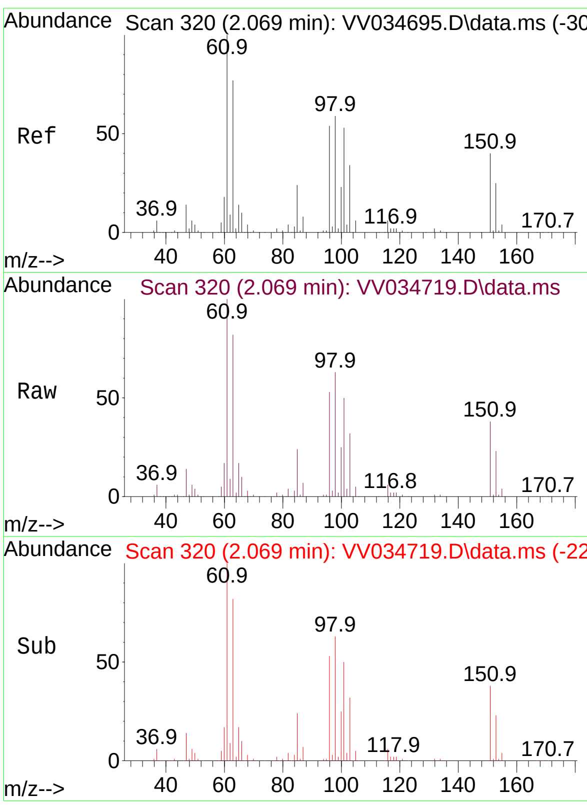

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen:   43.404 ug/L
RT:   2.069 min   Scan# 3
Delta R.T.   0.003 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

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

Tgt Ion:101 Resp:   123258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.1 | 37.4 | 56.0 |
| 151 | 75.1 | 61.4 | 92.2 |

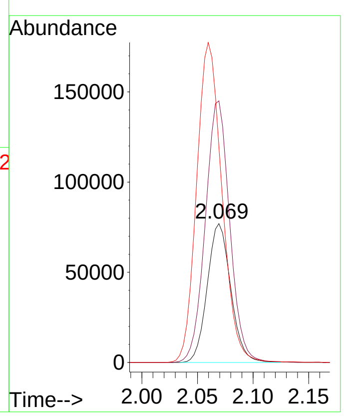


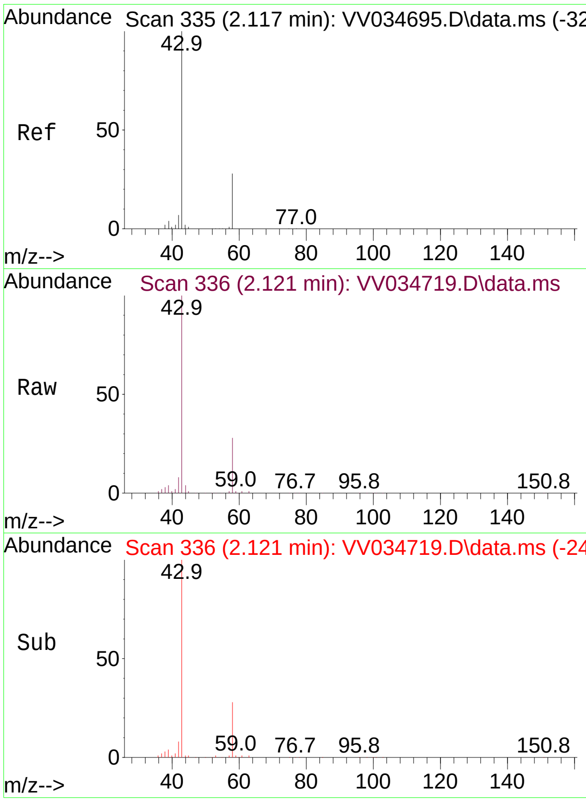




#12
1,1-Dichloroethene
Concen:   43.033 ug/L
RT:   2.069 min   Scan# 320
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

Tgt Ion: 96 Resp:   113319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 188.3 | 128.9 | 239.3 |
| 63 | 154.9 | 98.0 | 182.0 |





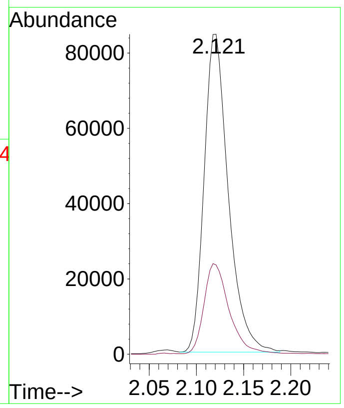

#13
Acetone
Concen: 61.529 ug/L
RT: 2.121 min Scan# 3

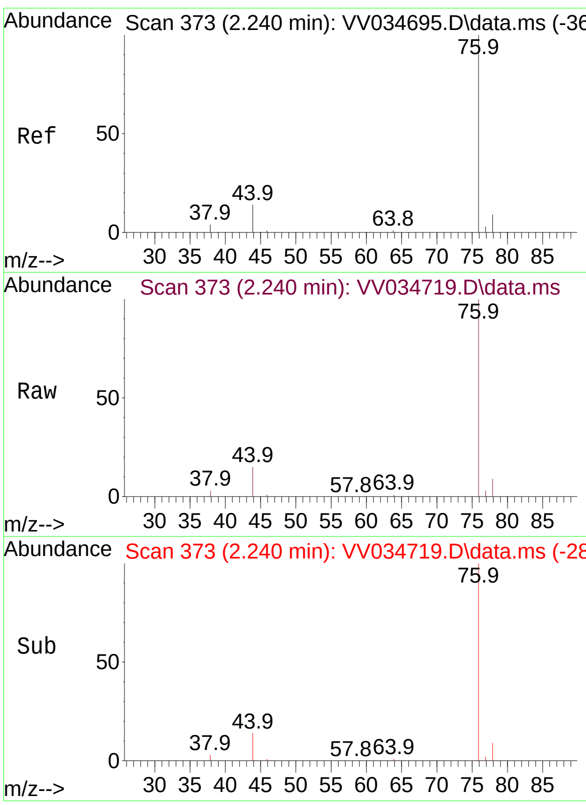
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. 0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 43 Resp: 150801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 0.0 | 57.2 |

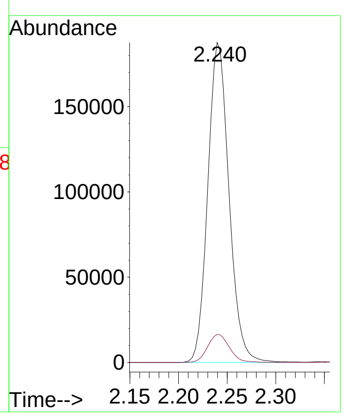


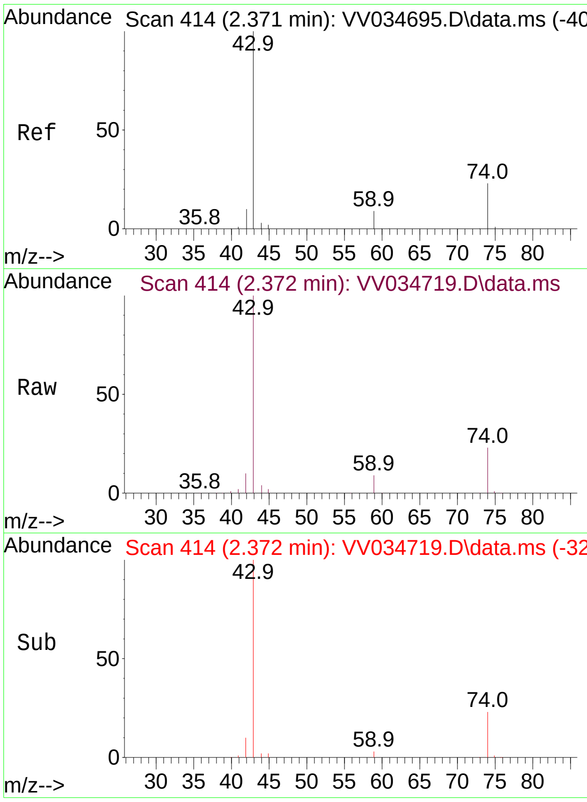




#14
Carbon disulfide
Concen: 38.869 ug/L
RT: 2.240 min Scan# 373
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 76 Resp: 284062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.5 | 11.3 |



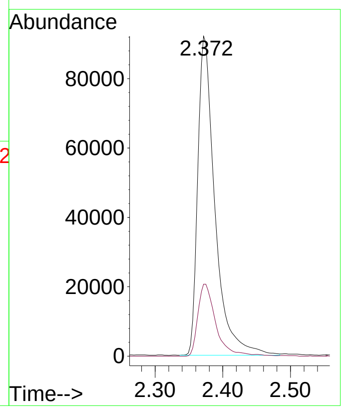


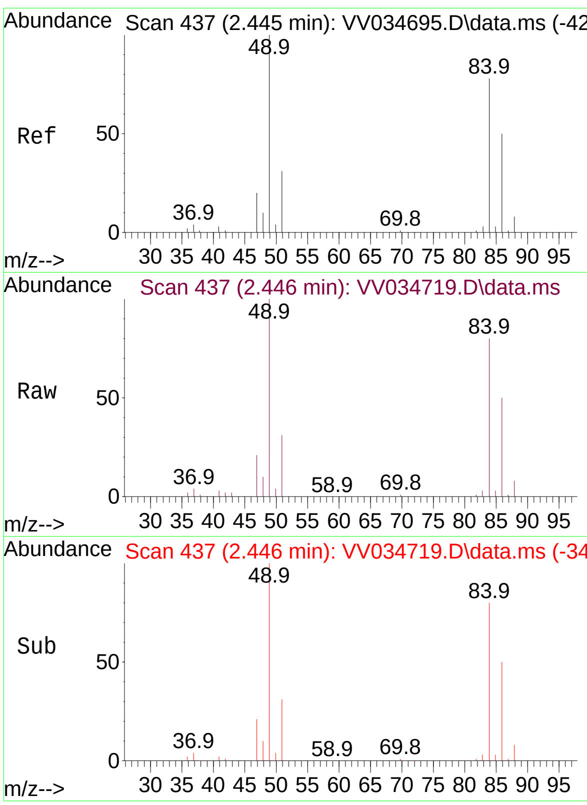

#15
Methyl Acetate
Concen: 51.874 ug/L
RT: 2.372 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 43 Resp: 162651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 17.8 | 26.8 |

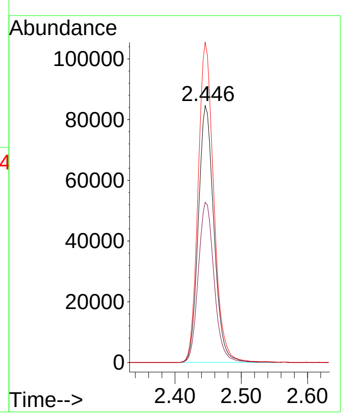


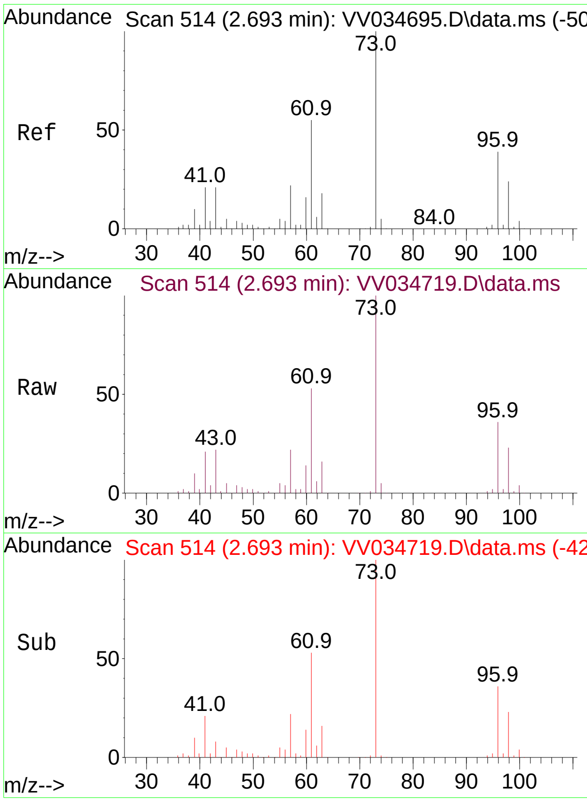




#16
Methylene chloride
Concen: 49.691 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 84 Resp: 138800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.4 | 45.6 | 84.6 |
| 49 | 124.6 | 92.3 | 171.3 |



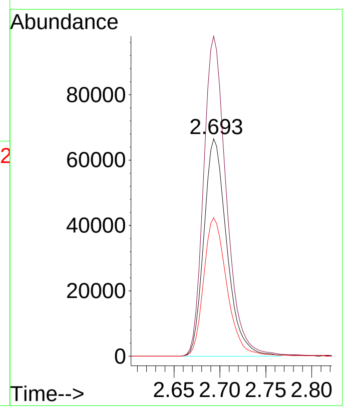


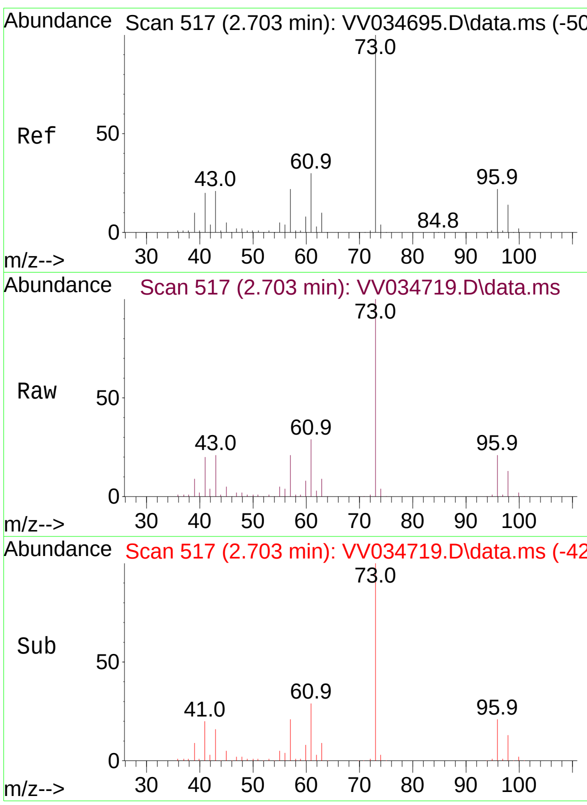

#17
trans-1,2-Dichloroethene
Concen: 45.507 ug/L
RT: 2.693 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 96 Resp: 115987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 98.8 | 183.4 |
| 98 | 63.7 | 46.1 | 85.5 |

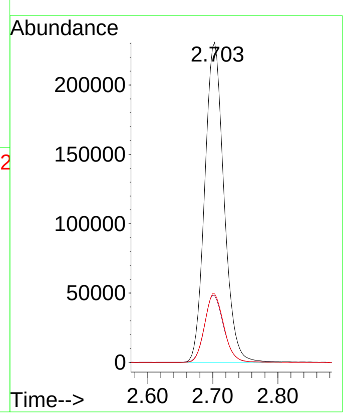


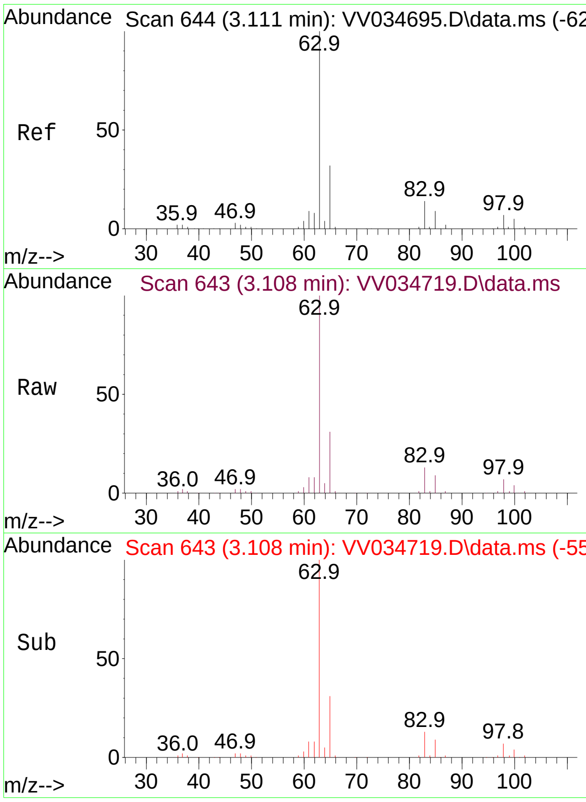




#18
Methyl tert-butyl Ether
Concen: 51.881 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 73 Resp: 474863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 20.8 | 17.1 | 25.7 |
| 57 | 21.5 | 17.6 | 26.4 |





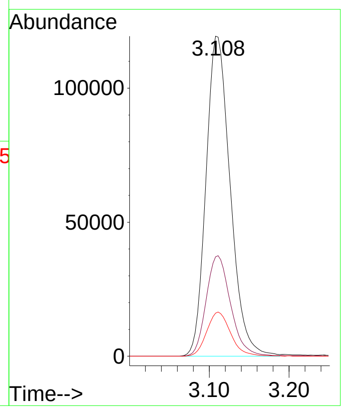

#19
1,1-Dichloroethane
Concen: 50.612 ug/L
RT: 3.108 min Scan# 6

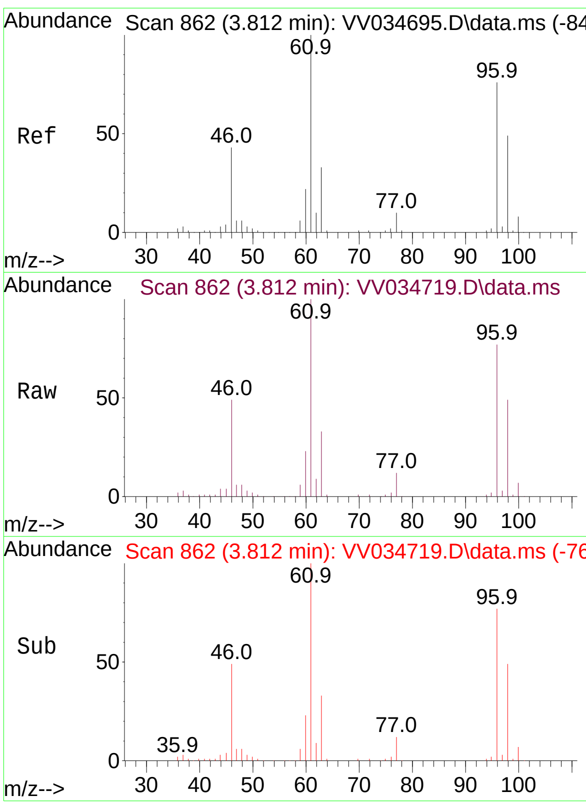
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 63 Resp: 252699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 22.1 | 41.1 |
| 83 | 13.5 | 9.9 | 18.3 |

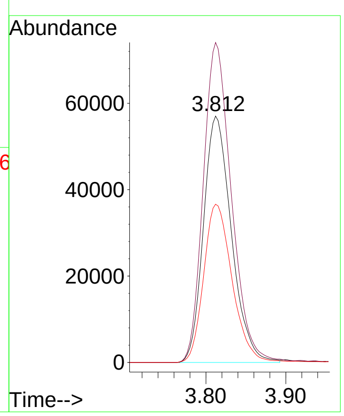


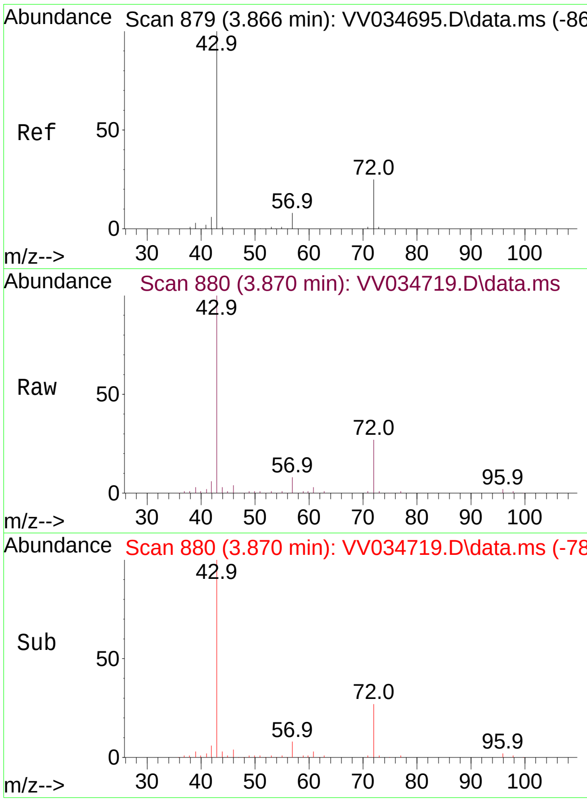




#20
cis-1,2-Dichloroethene
Concen: 50.288 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 96 Resp: 139067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.9 | 96.0 | 178.4 |
| 98 | 64.2 | 46.0 | 85.4 |



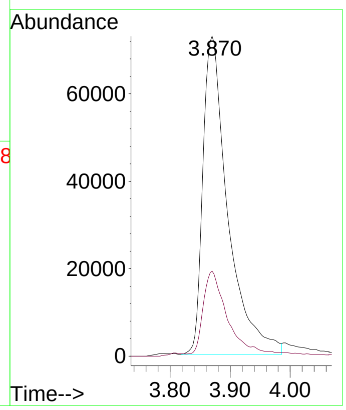


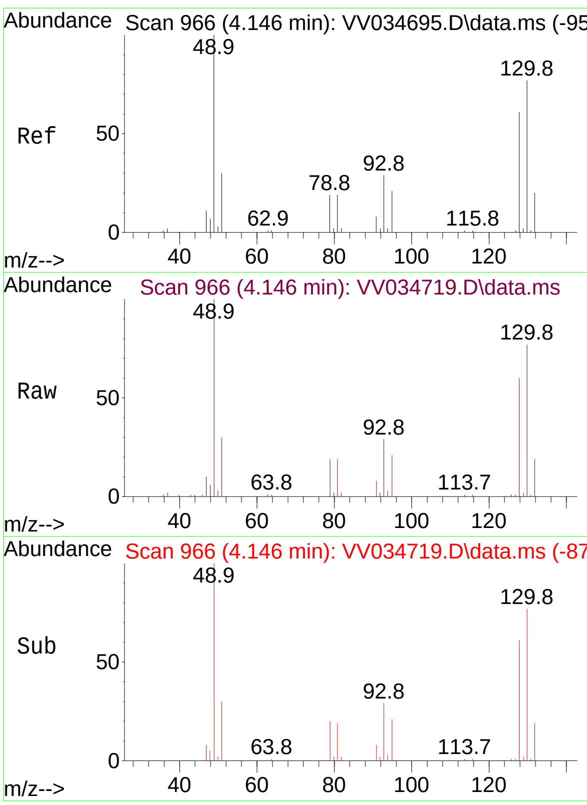

#22
2-Butanone
Concen:   87.212 ug/L
RT:   3.870 min   Scan# 8
Delta R.T.   0.003 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

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

Tgt Ion: 43 Resp:   211070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.2 | 11.5 | 34.4 |

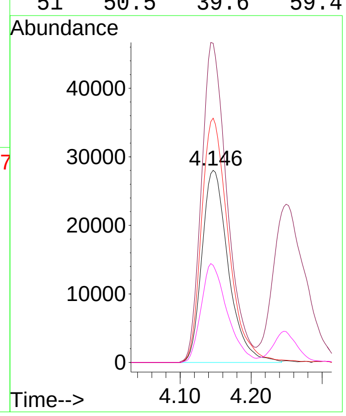


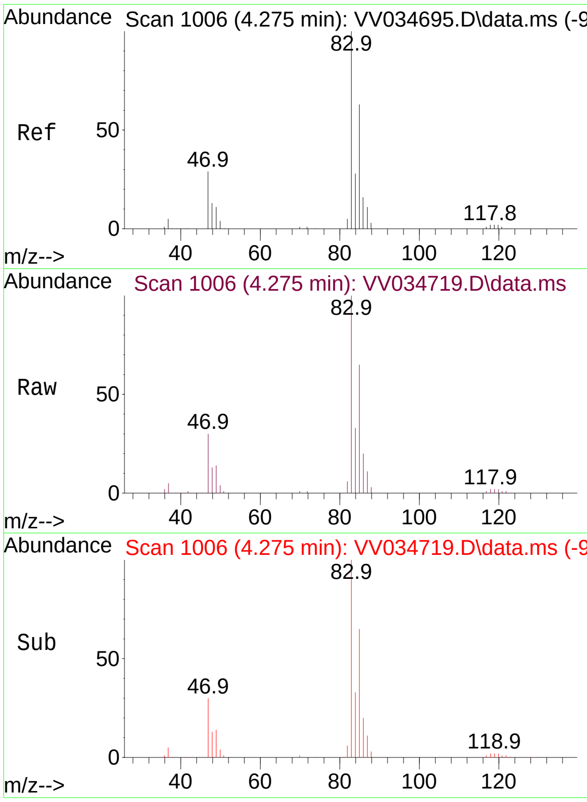




#23
Bromochloromethane
Concen:   50.688 ug/L
RT:   4.146 min   Scan# 966
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

Tgt Ion:128 Resp:    72482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 166.1 | 109.4 | 203.2 |
| 130 | 127.1 | 87.7 | 162.9 |
| 51 | 50.5 | 39.6 | 59.4 |



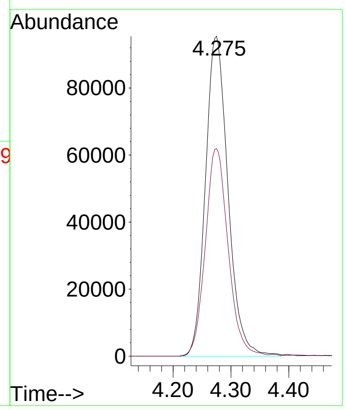


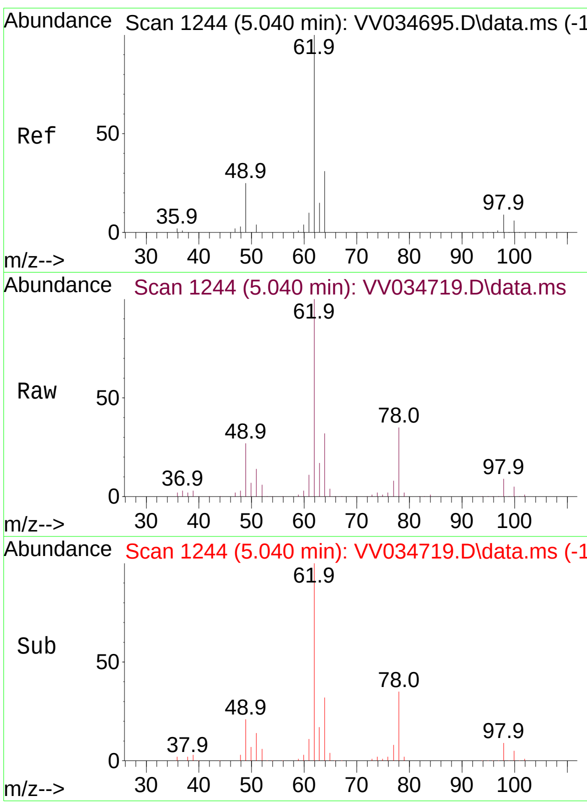

#25
Chloroform
Concen: 50.023 ug/L
RT: 4.275 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 83 Resp: 258870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 45.5 | 84.5 |

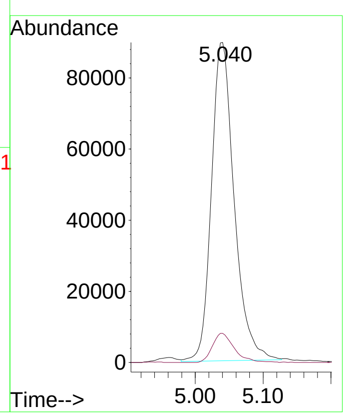


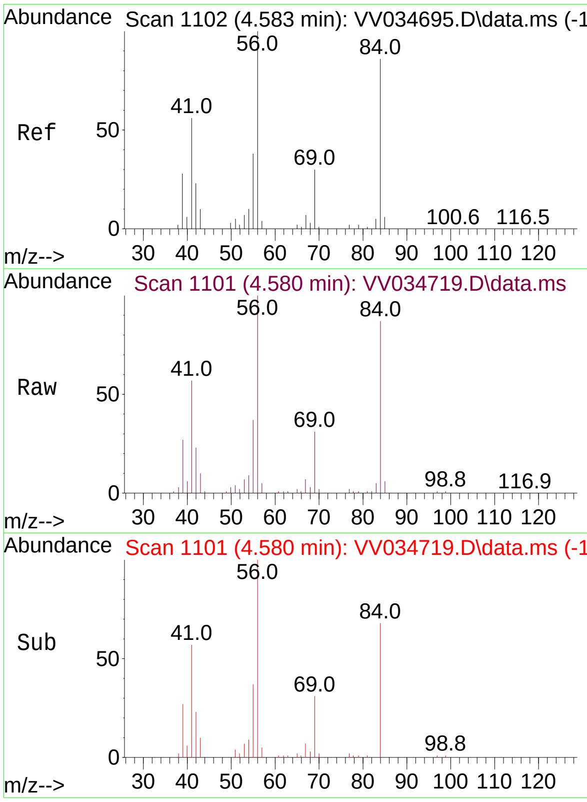




#27
1,2-Dichloroethane
Concen: 49.707 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 62 Resp: 208993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 6.6 | 10.0 |



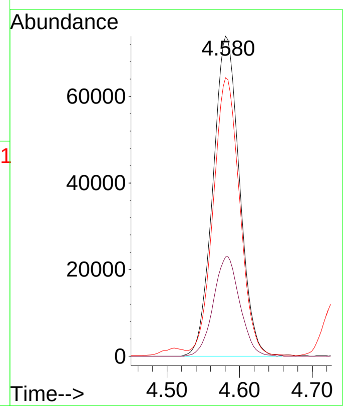


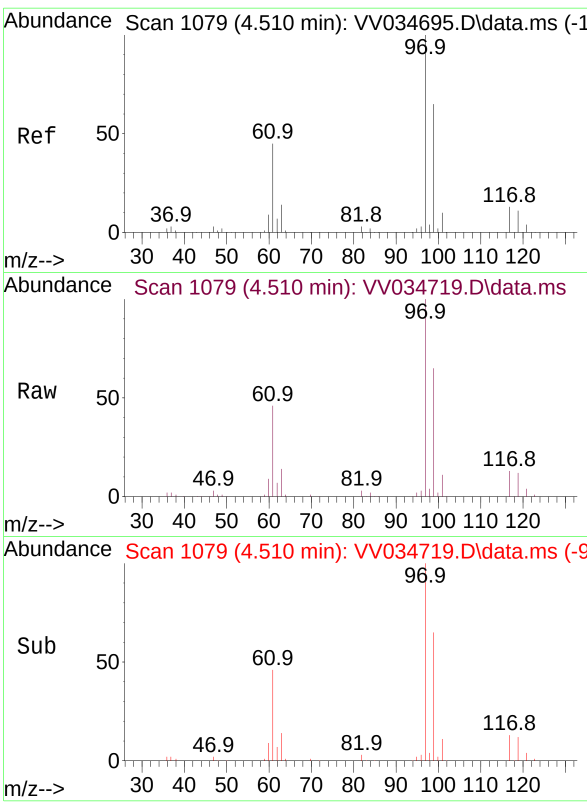

#29
Cyclohexane
Concen: 42.291 ug/L
RT: 4.580 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 56 Resp: 187726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.2 | 36.4 |
| 84 | 86.0 | 70.5 | 105.7 |

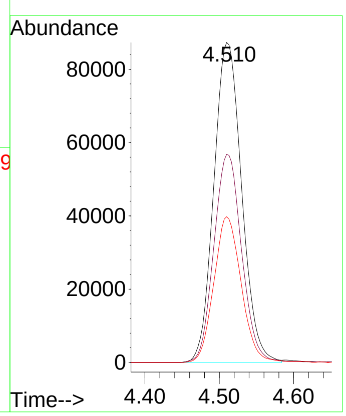


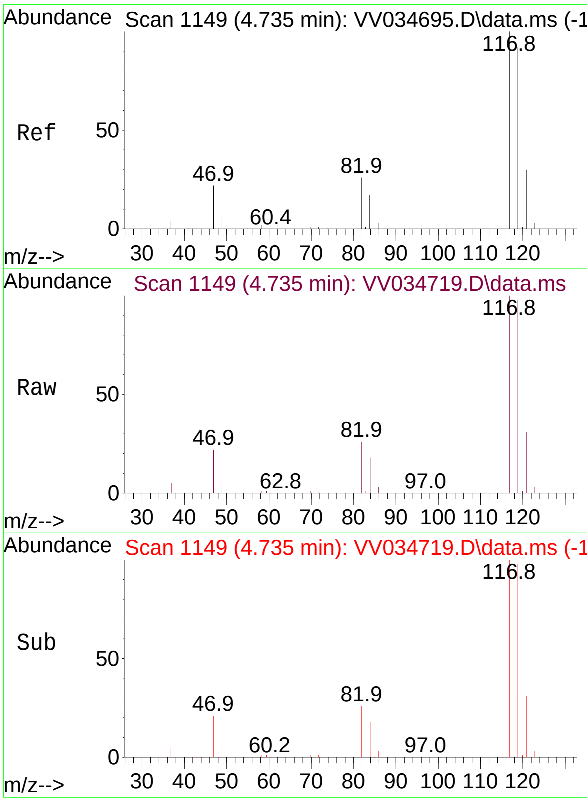




#30
1,1,1-Trichloroethane
Concen: 47.037 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 97 Resp: 227629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 51.3 | 76.9 |
| 61 | 44.7 | 36.0 | 54.0 |



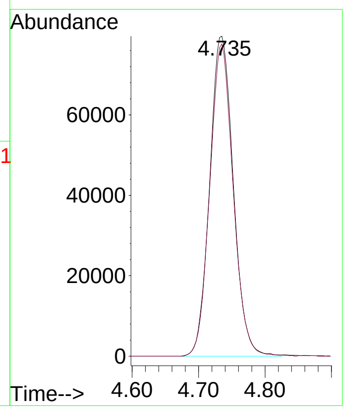


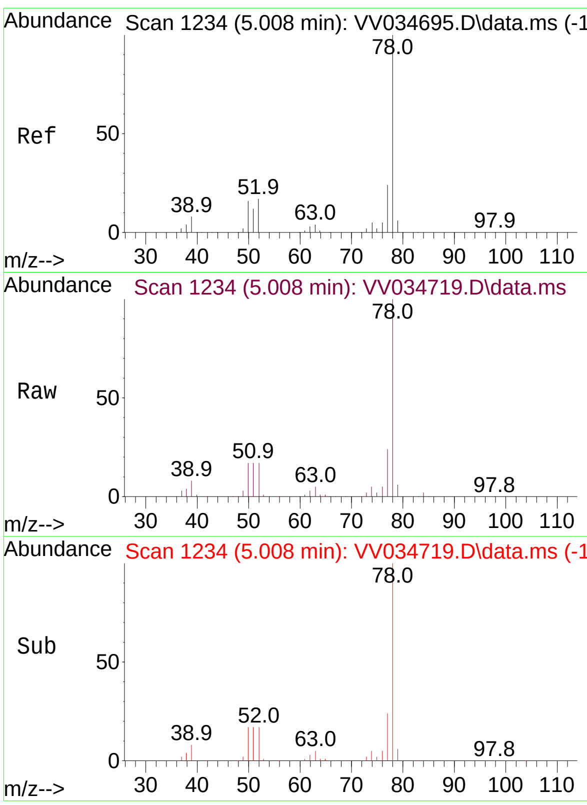

#31
Carbon tetrachloride
Concen: 45.875 ug/L
RT: 4.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion:117 Resp: 196554

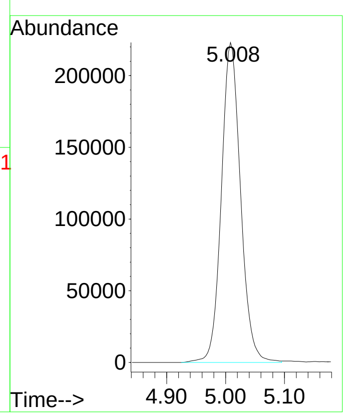
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 77.5 | 116.3 |

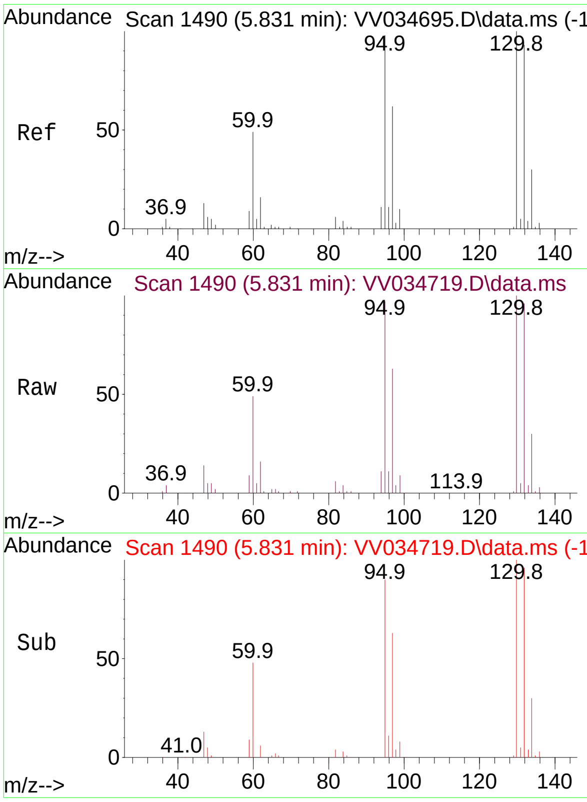



#33
Benzene
Concen: 48.293 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 78 Resp: 505875



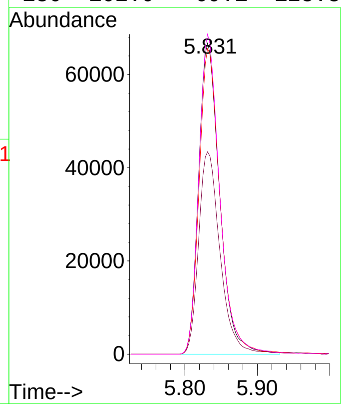


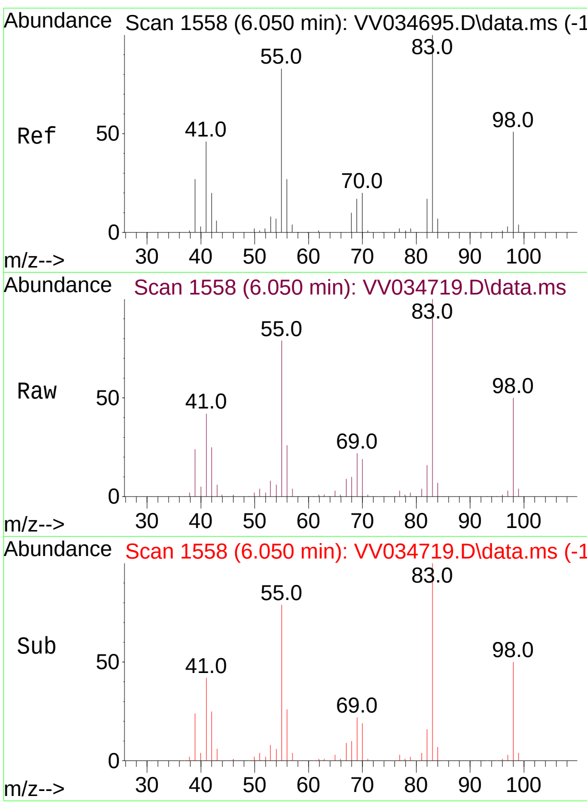

#34
Trichloroethene
Concen: 45.438 ug/L
RT: 5.831 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 95 Resp: 135298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.1 | 44.7 | 83.1 |
| 132 | 98.3 | 65.3 | 121.3 |
| 130 | 102.9 | 69.1 | 128.3 |

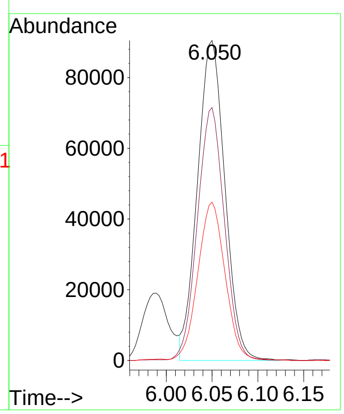


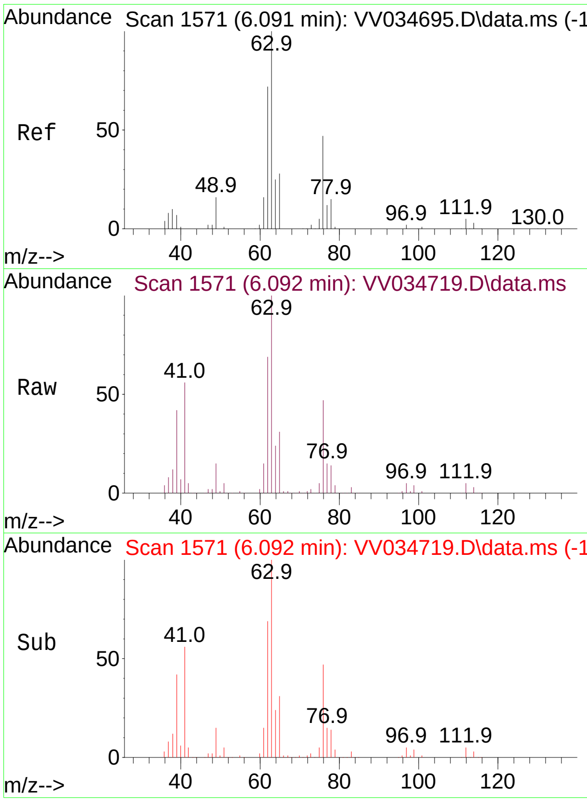




#35
Methylcyclohexane
Concen: 41.731 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 83 Resp: 188907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.4 | 62.6 | 94.0 |
| 98 | 49.2 | 39.5 | 59.3 |



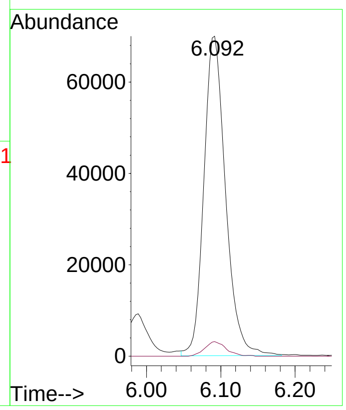


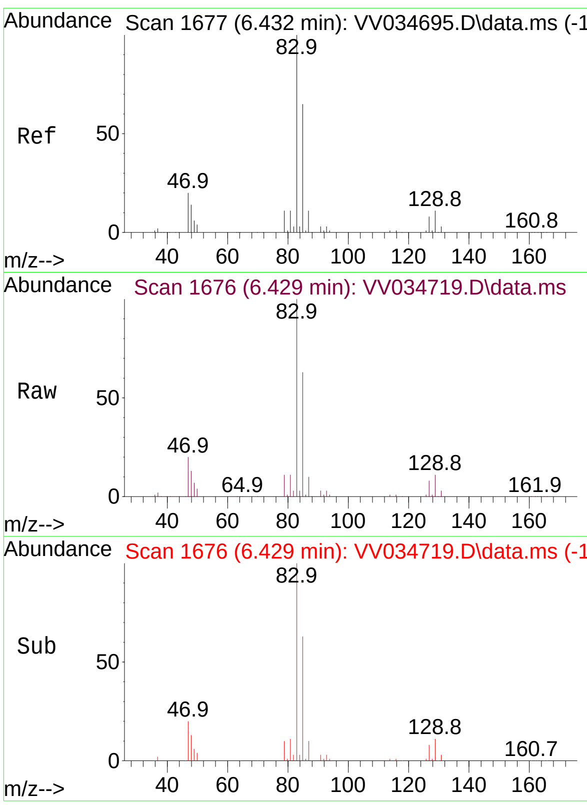

#37
1,2-Dichloropropane
Concen: 51.682 ug/L
RT: 6.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 63 Resp: 141738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.5 | 3.5 | 5.3 |

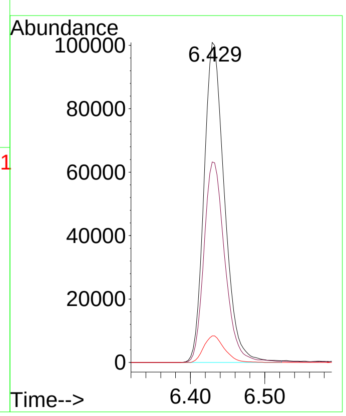


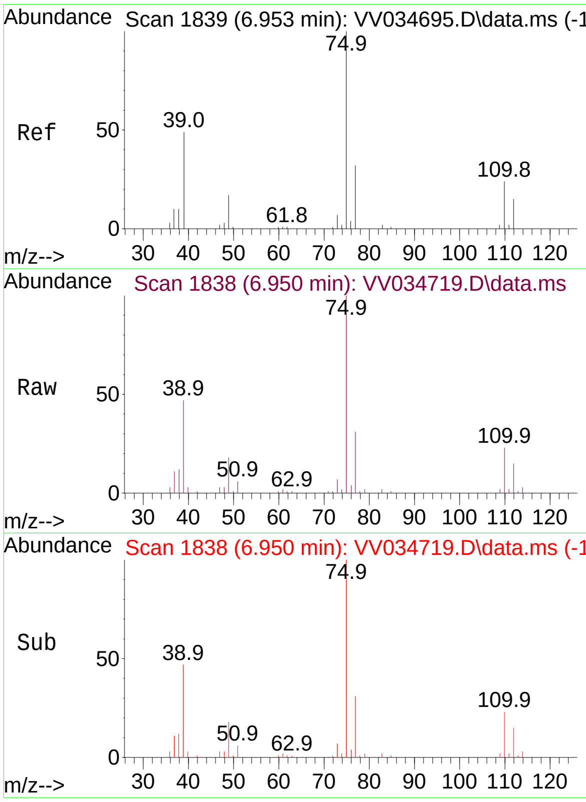




#38
Bromodichloromethane
Concen: 50.285 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 83 Resp: 193983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 44.6 | 82.8 |
| 127 | 8.3 | 6.9 | 10.3 |



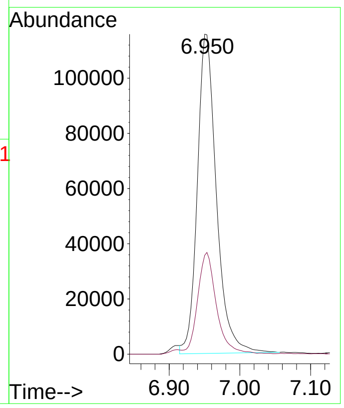


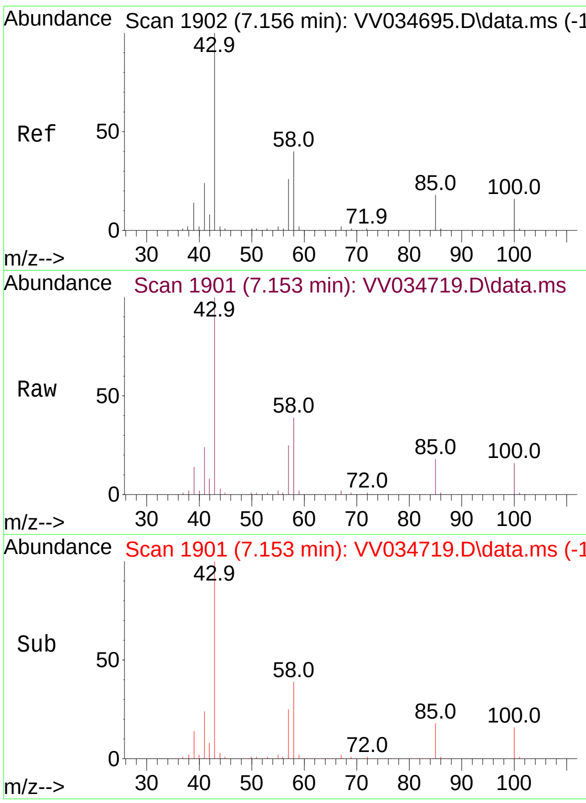

#39
cis-1,3-Dichloropropene
Concen: 48.688 ug/L
RT: 6.950 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 75 Resp: 216341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 20.9 | 38.9 |

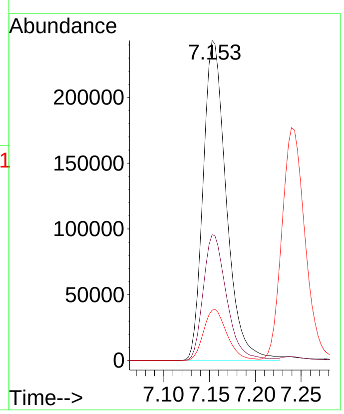


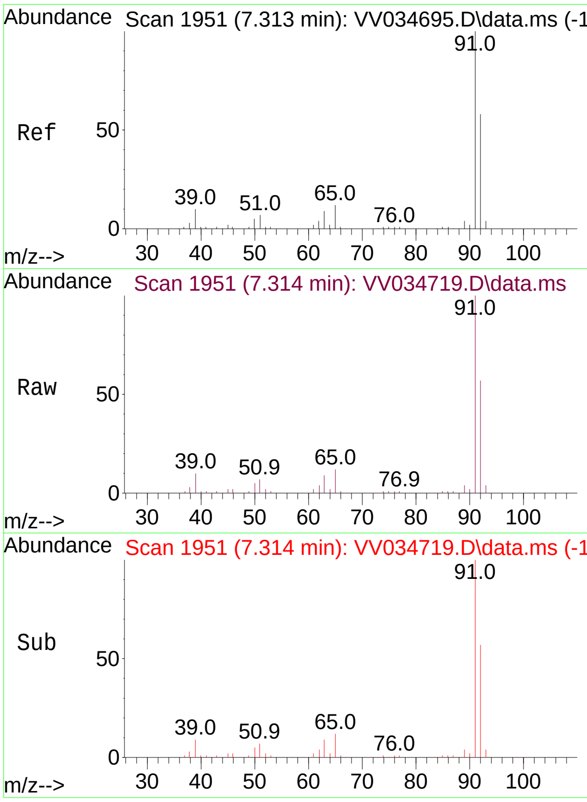




#40
4-Methyl-2-pentanone
Concen: 105.962 ug/L
RT: 7.153 min Scan# 1901
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 43 Resp: 428511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.5 | 30.6 | 46.0 |
| 100 | 16.1 | 12.5 | 18.7 |





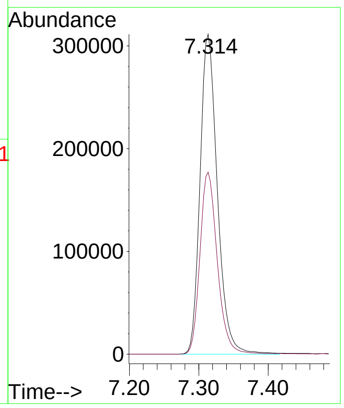

#42
Toluene
Concen: 48.802 ug/L
RT: 7.314 min Scan# 19

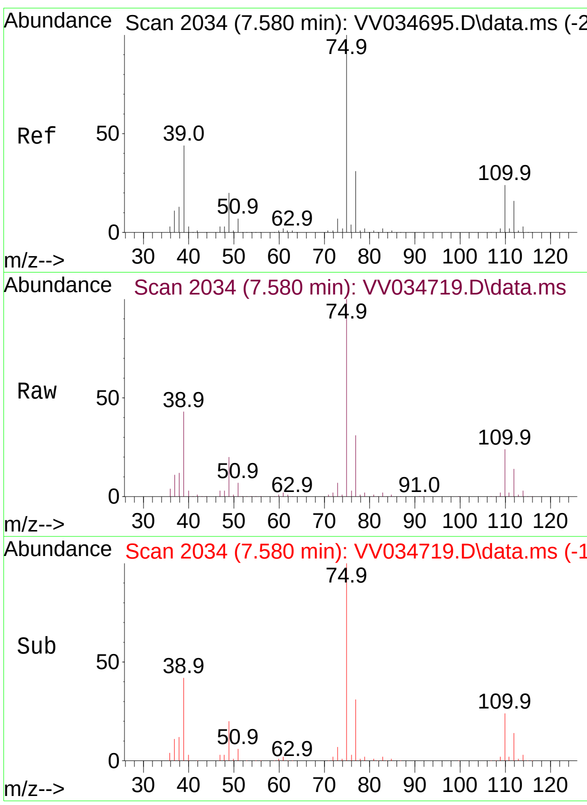
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 91 Resp: 541044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.9 | 40.5 | 75.1 |

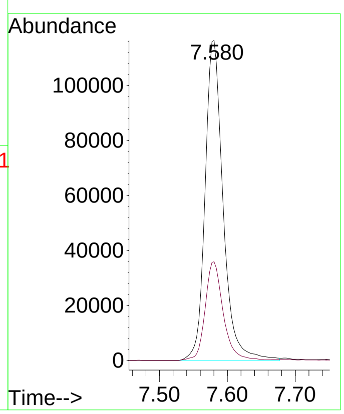


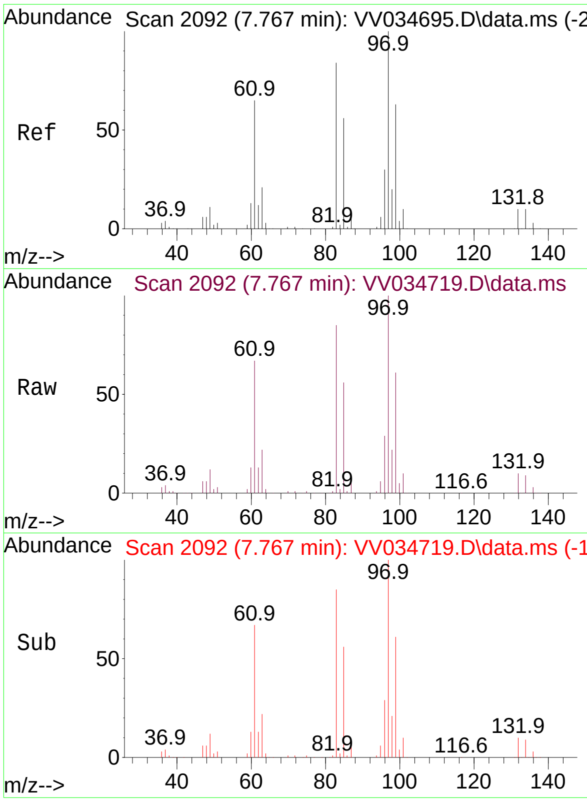




#44
trans-1,3-Dichloropropene
Concen: 50.329 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 75 Resp: 215080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 21.8 | 40.4 |



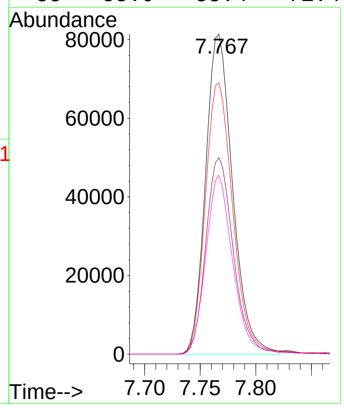


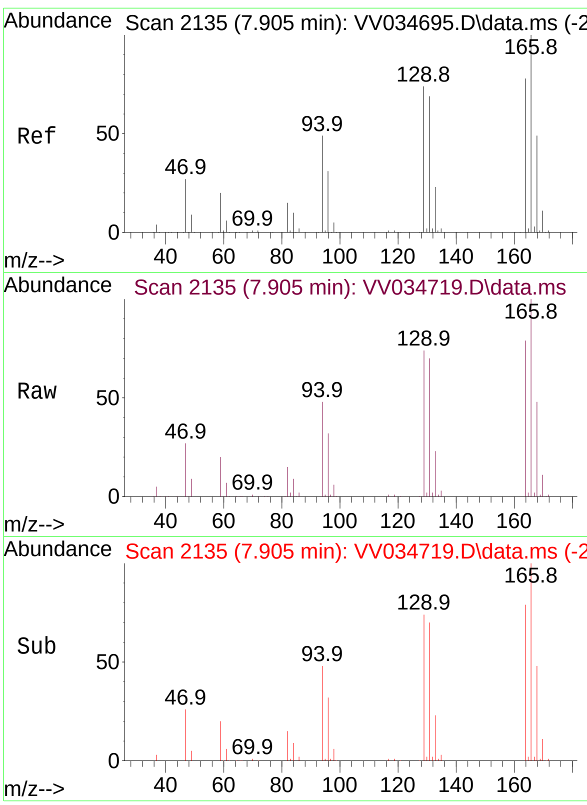

#45
1,1,2-Trichloroethane
Concen:   52.228 ug/L
RT:   7.767 min   Scan# 2
Delta R.T.   0.000 min
Lab File:    VV034719.D
Acq: 19 Mar 2024   00:42

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

Tgt Ion: 97 Resp:   138202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.4 | 43.8 | 81.4 |
| 83 | 84.8 | 59.4 | 110.2 |
| 85 | 55.9 | 38.4 | 71.4 |

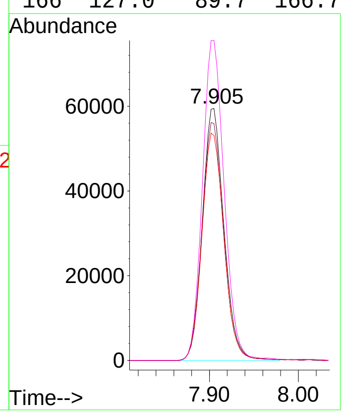


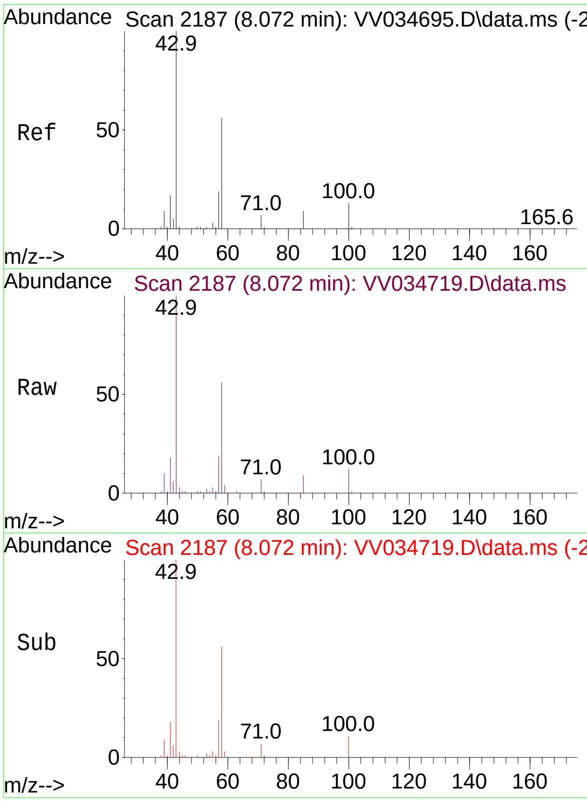




#46
Tetrachloroethene
Concen:   45.208 ug/L
RT:   7.905 min   Scan# 2135
Delta R.T.   0.000 min
Lab File:    VV034719.D
Acq: 19 Mar 2024   00:42

Tgt Ion:164 Resp:   100111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 94.0 | 65.7 | 121.9 |
| 131 | 89.2 | 62.2 | 115.6 |
| 166 | 127.0 | 89.7 | 166.7 |



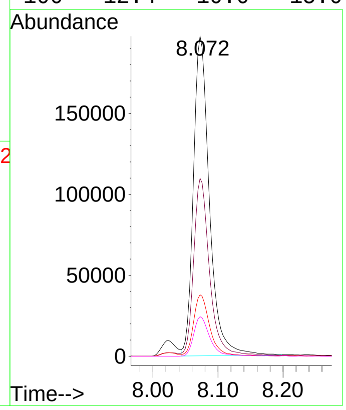


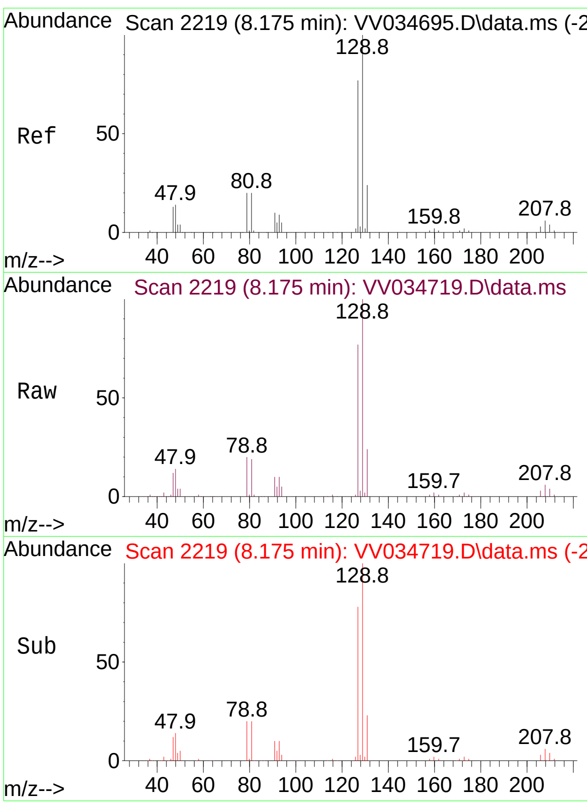

#48
2-Hexanone
Concen: 105.331 ug/L
RT: 8.072 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion: 43 Resp: 339421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.1 | 42.0 | 63.0 |
| 57 | 19.3 | 15.2 | 22.8 |
| 100 | 12.4 | 10.0 | 15.0 |

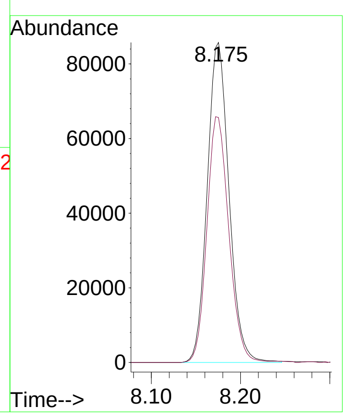


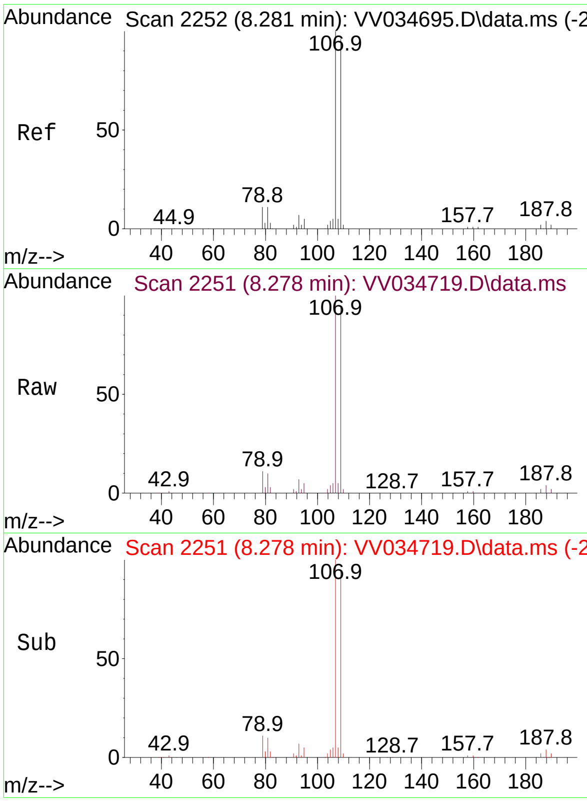




#49
Dibromochloromethane
Concen: 52.038 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:129 Resp: 145312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 53.3 | 98.9 |



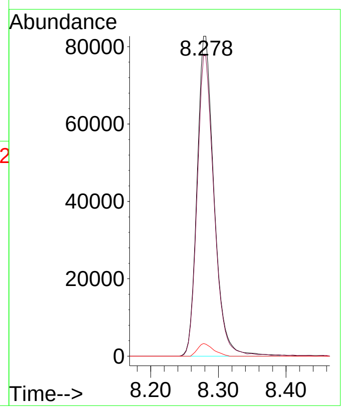


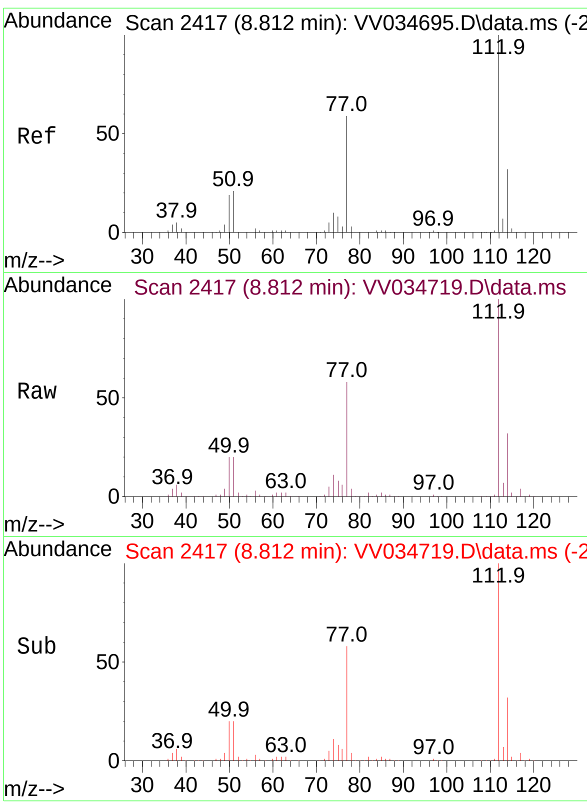

#50
1,2-Dibromoethane
Concen: 51.407 ug/L
RT: 8.278 min Scan# 2
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion:107 Resp: 144350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 66.5 | 123.5 |
| 188 | 3.9 | 3.4 | 5.2 |

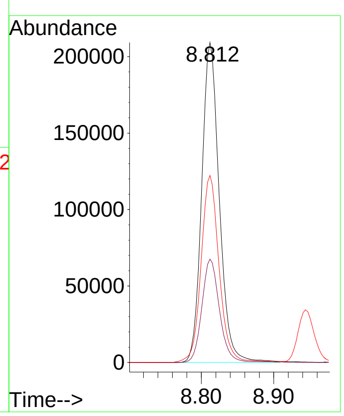


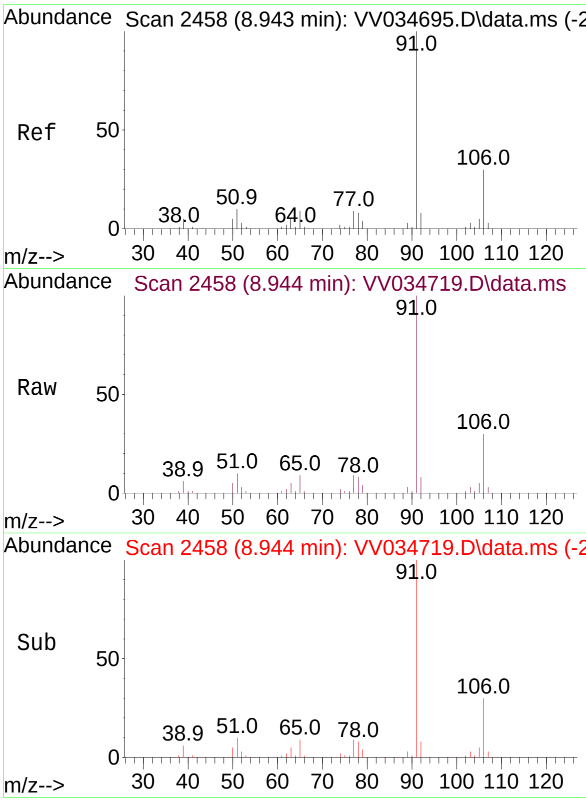




#51
Chlorobenzene
Concen: 49.340 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:112 Resp: 353628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 22.3 | 41.5 |
| 77 | 58.5 | 47.7 | 71.5 |



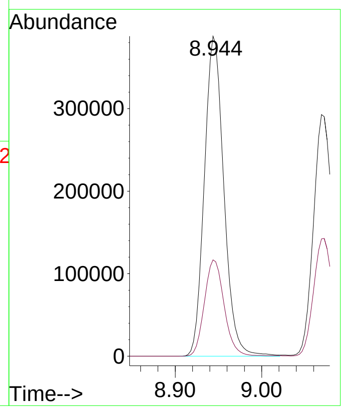


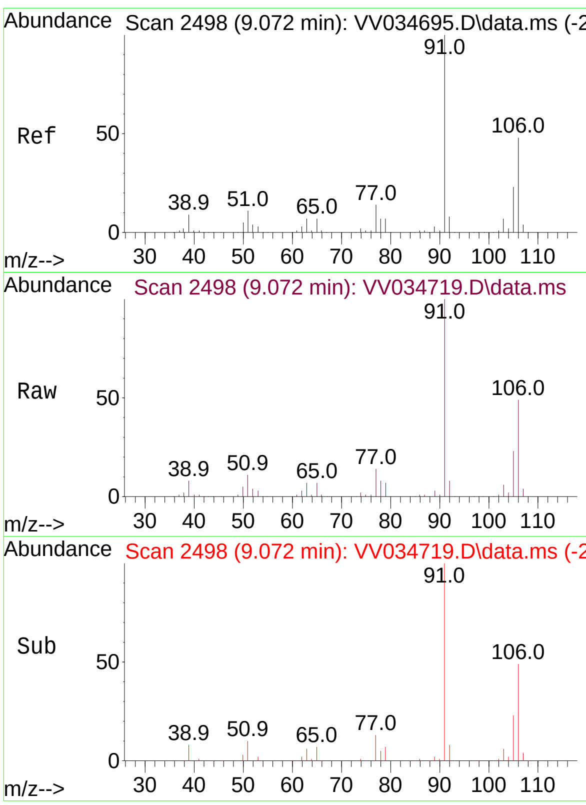

#52
Ethylbenzene
Concen:   49.018 ug/L
RT:   8.944 min   Scan# 2
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

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

Tgt Ion: 91 Resp:   608913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 21.3 | 39.5 |

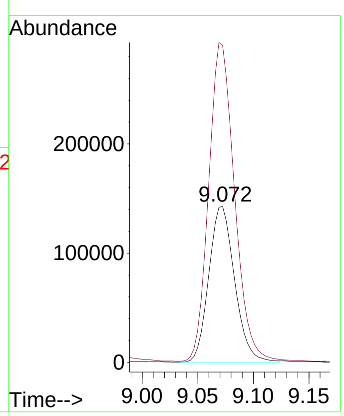


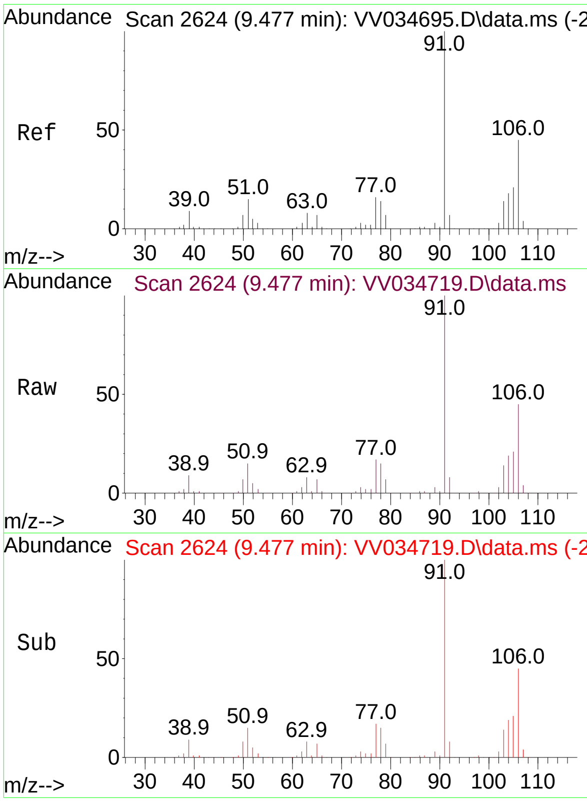




#53
m,p-Xylene
Concen:   48.765 ug/L
RT:   9.072 min   Scan# 2498
Delta R.T.   0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024   00:42

Tgt Ion:106 Resp:   229873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.3 | 145.3 | 269.9 |



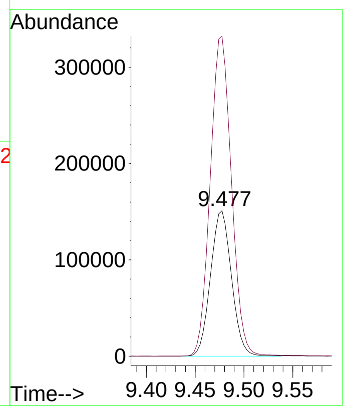


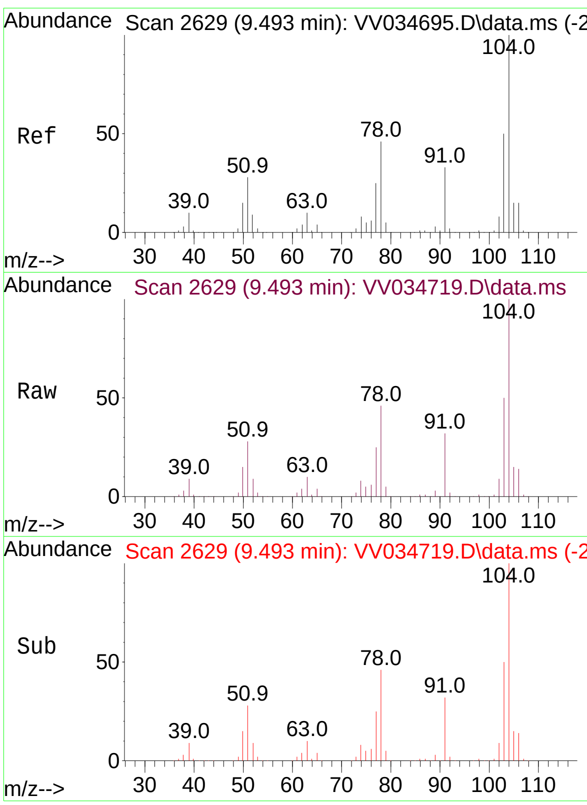

#54
o-Xylene
Concen: 48.929 ug/L
RT: 9.477 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion:106 Resp: 225853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 152.2 | 282.7 |

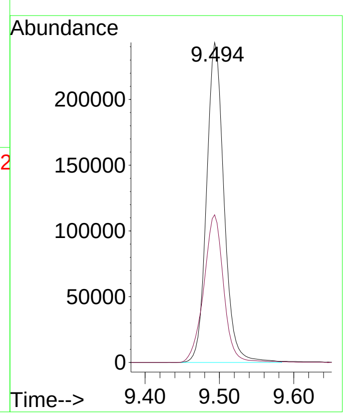


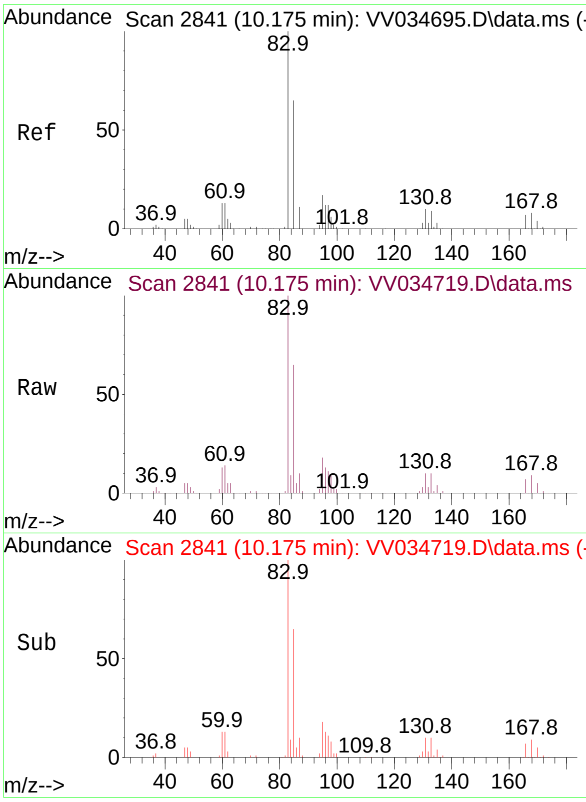




#55
Styrene
Concen: 50.805 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:104 Resp: 397066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.2 | 33.0 | 61.4 |





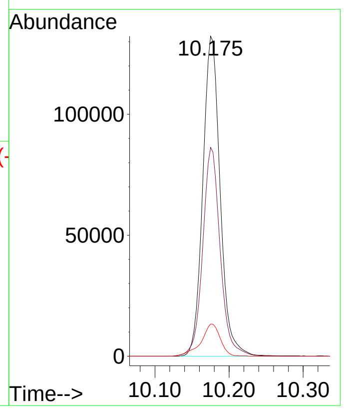

#57
1,1,2,2-Tetrachloroethane
Concen:   54.130 ug/L
RT:  10.175 min  Scan# 2

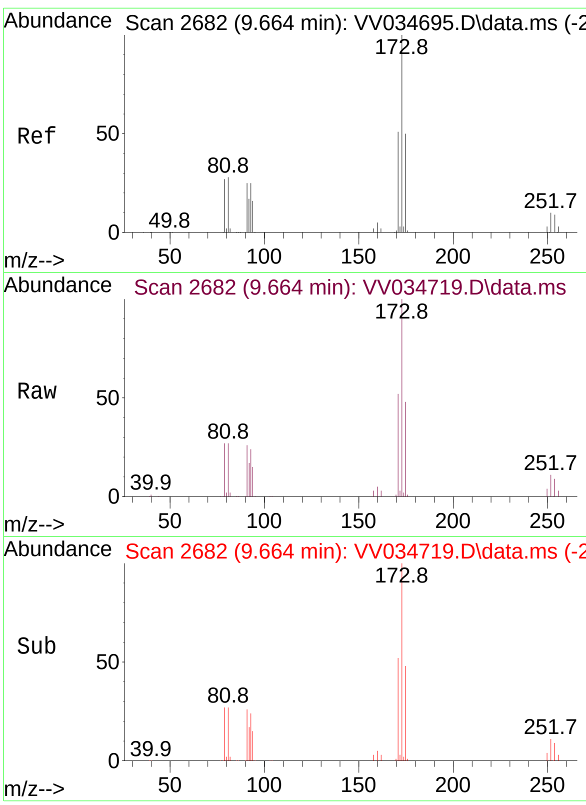
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T.  0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion: 83 Resp:  215136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 45.4 | 84.2 |
| 131 | 10.0 | 8.3 | 12.5 |

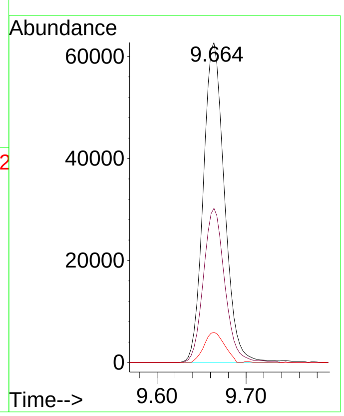


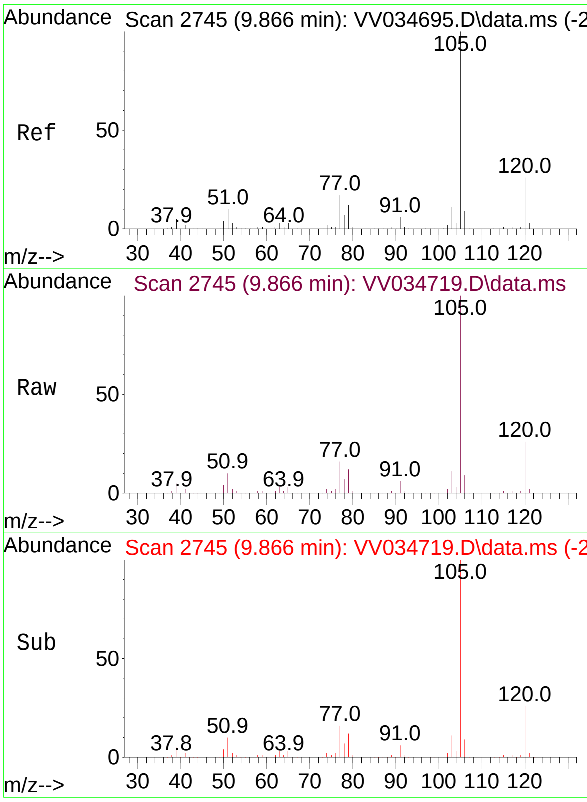




#59
Bromoform
Concen:   53.782 ug/L
RT:   9.664 min  Scan# 2682
Delta R.T.  0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion:173 Resp:  103682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 39.1 | 58.7 |
| 254 | 9.1 | 7.8 | 11.8 |





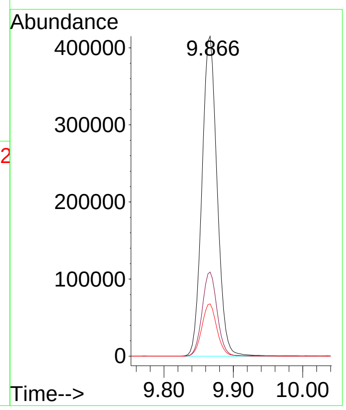

#60
Isopropylbenzene
Concen:   51.273 ug/L
RT:   9.866 min   Scan# 2

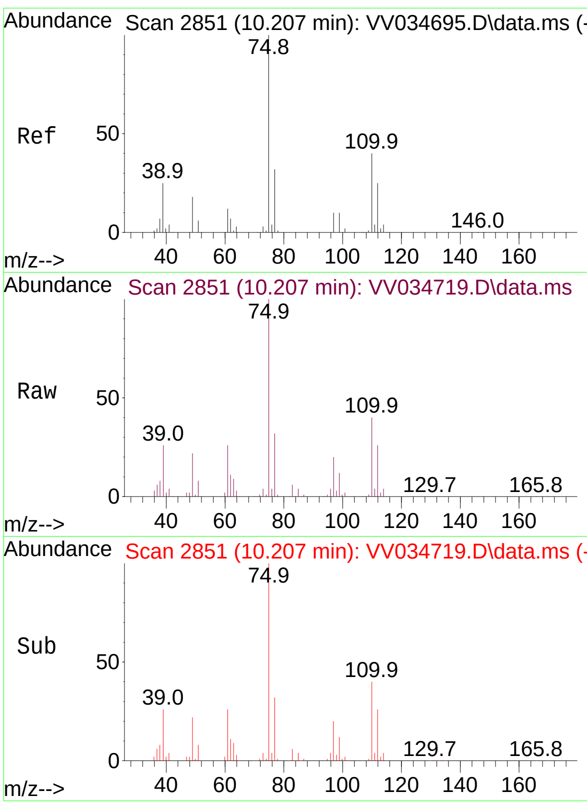
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T.  0.000 min
Lab File:    VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion:105 Resp:  630548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 20.8 | 31.2 |
| 77 | 16.4 | 13.0 | 19.6 |

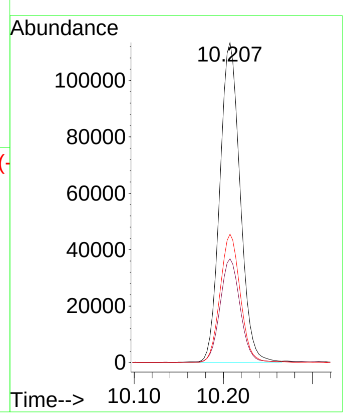


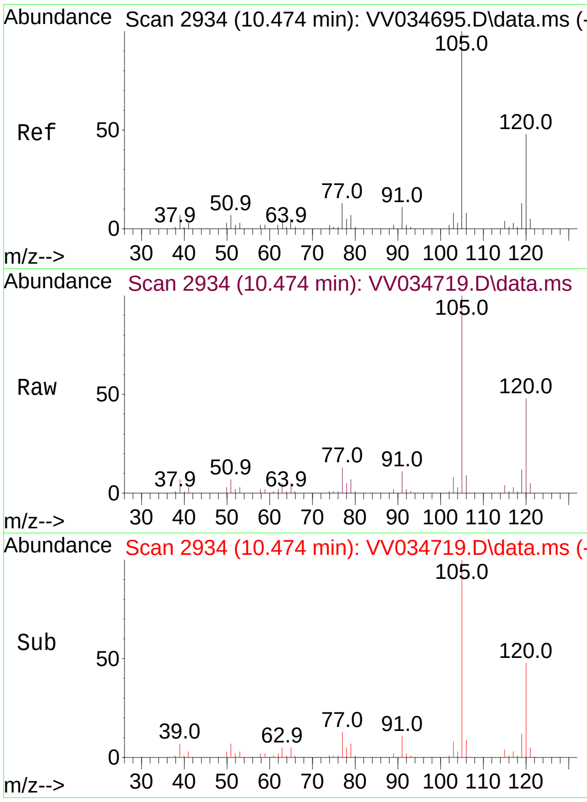




#61
1,2,3-Trichloropropane
Concen:   53.978 ug/L
RT:  10.207 min   Scan# 2851
Delta R.T.  0.000 min
Lab File:    VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion: 75 Resp:  179161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 25.9 | 38.9 |
| 110 | 39.9 | 33.1 | 49.7 |



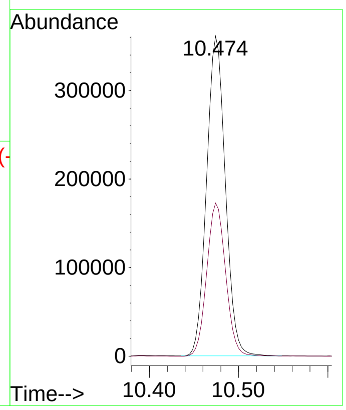


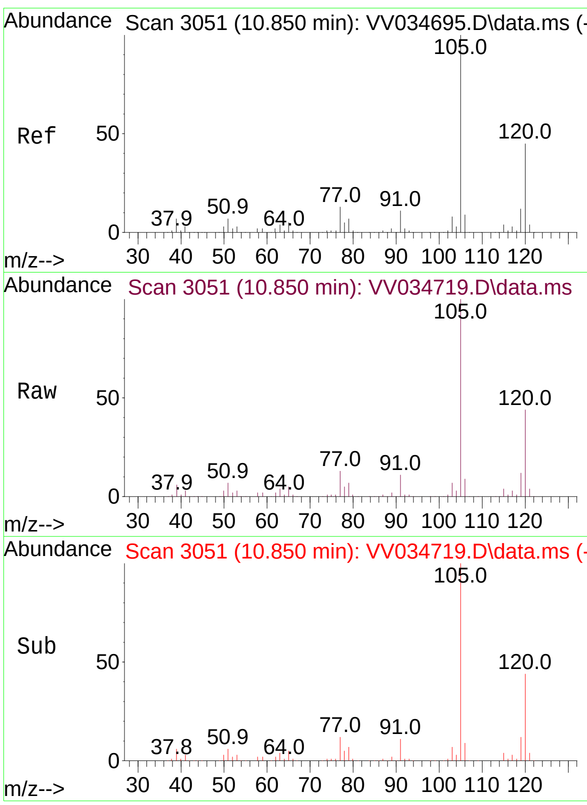

#62
1,3,5-Trimethylbenzene
Concen: 50.791 ug/L
RT: 10.474 min Scan# 29
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion:105 Resp: 526893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 38.2 | 57.2 |

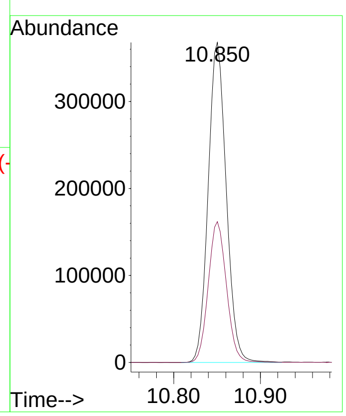


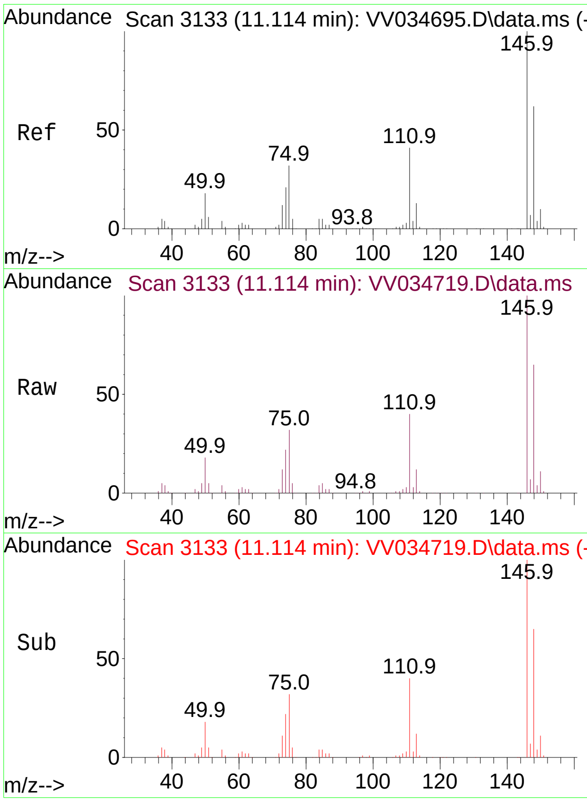




#63
1,2,4-Trimethylbenzene
Concen: 51.968 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:105 Resp: 533186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 36.2 | 54.4 |



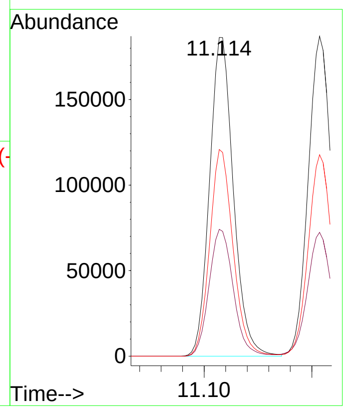


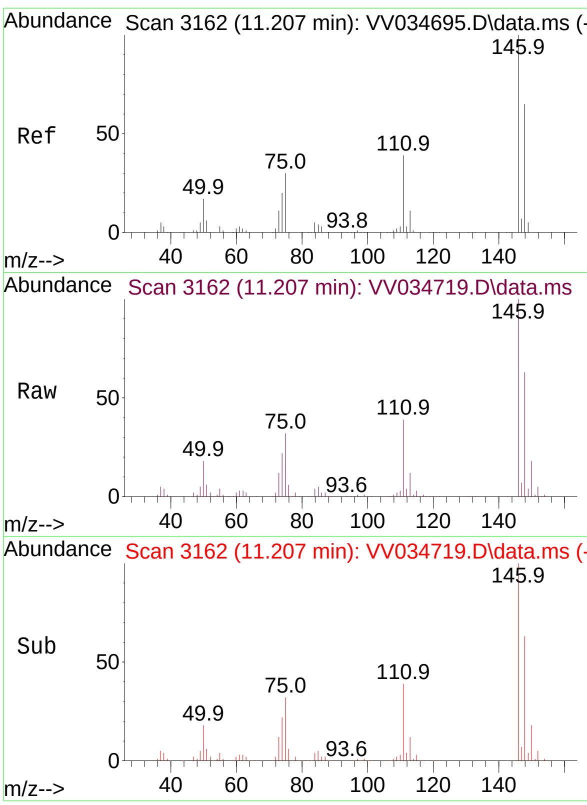

#64
1,3-Dichlorobenzene
Concen:   50.480 ug/L
RT:  11.114 min  Scan# 3
Delta R.T.  0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

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

Tgt Ion:146 Resp:  287025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 27.9 | 51.7 |
| 148 | 64.8 | 44.2 | 82.0 |

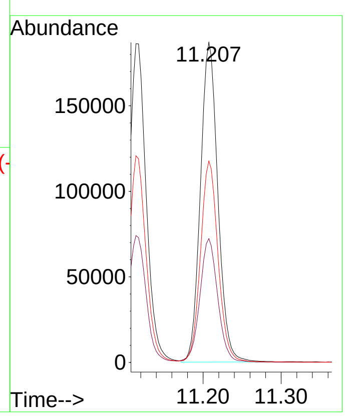


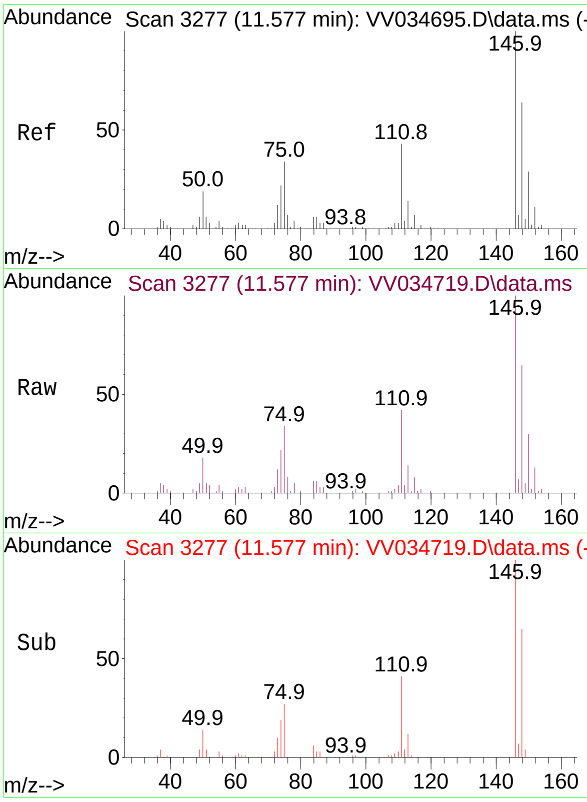




#65
1,4-Dichlorobenzene
Concen:   50.287 ug/L
RT:  11.207 min  Scan# 3162
Delta R.T.  0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion:146 Resp:  290363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 26.5 | 49.1 |
| 148 | 63.0 | 44.0 | 81.8 |





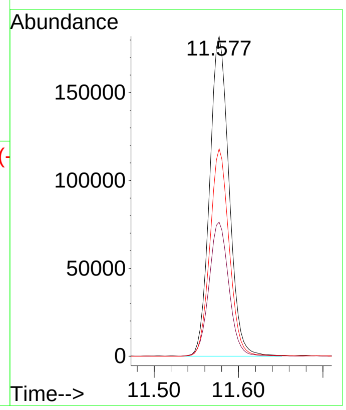

#67
1,2-Dichlorobenzene
Concen: 51.214 ug/L
RT: 11.577 min Scan# 3

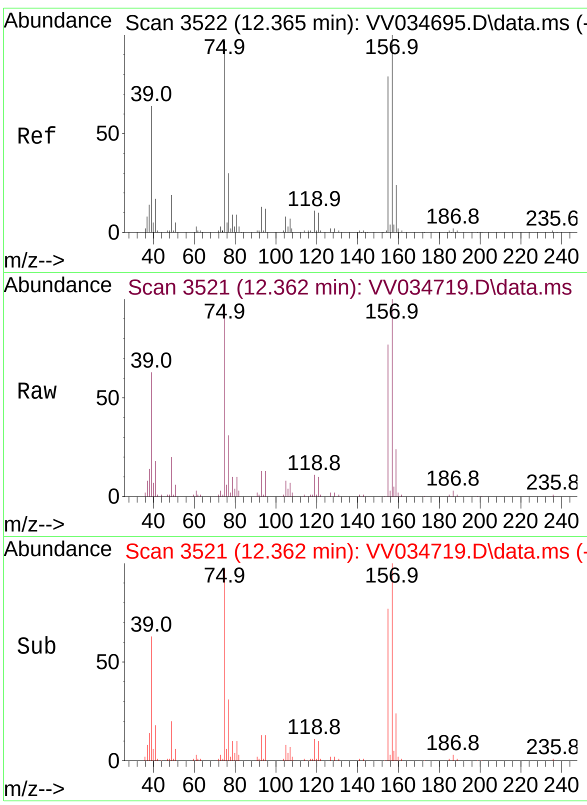
**Instrument :**
MSVOA_V
**ClientSampleId :**

Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:146 Resp: 291798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.9 | 33.8 | 50.8 |
| 148 | 64.8 | 51.3 | 76.9 |

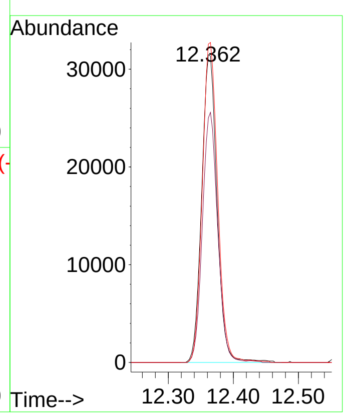


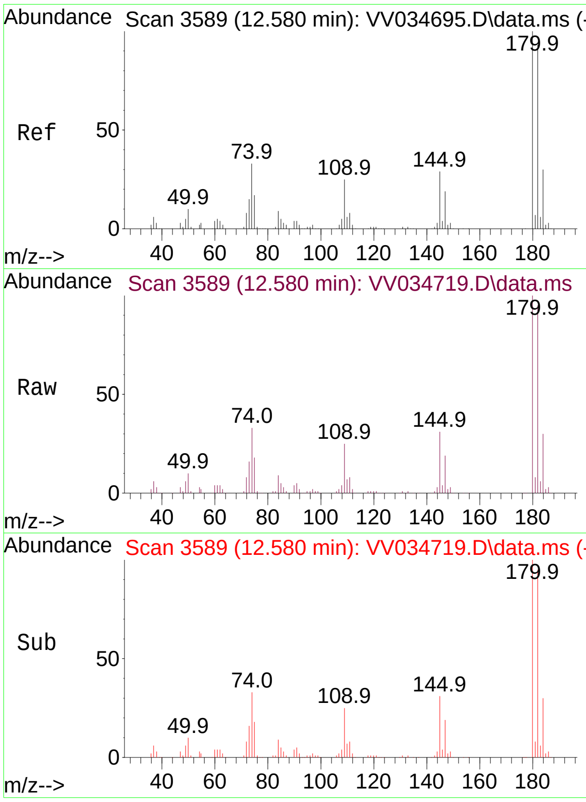




#68
1,2-Dibromo-3-chloropropane
Concen: 52.555 ug/L
RT: 12.362 min Scan# 3521
Delta R.T. -0.003 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion: 75 Resp: 51963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.5 | 63.3 | 94.9 |
| 157 | 103.4 | 81.4 | 122.0 |



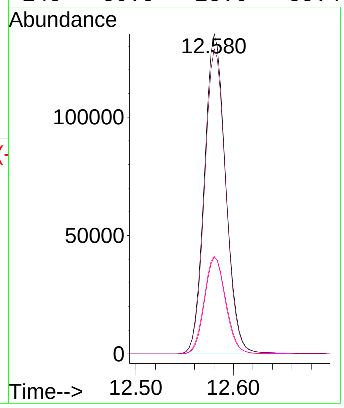


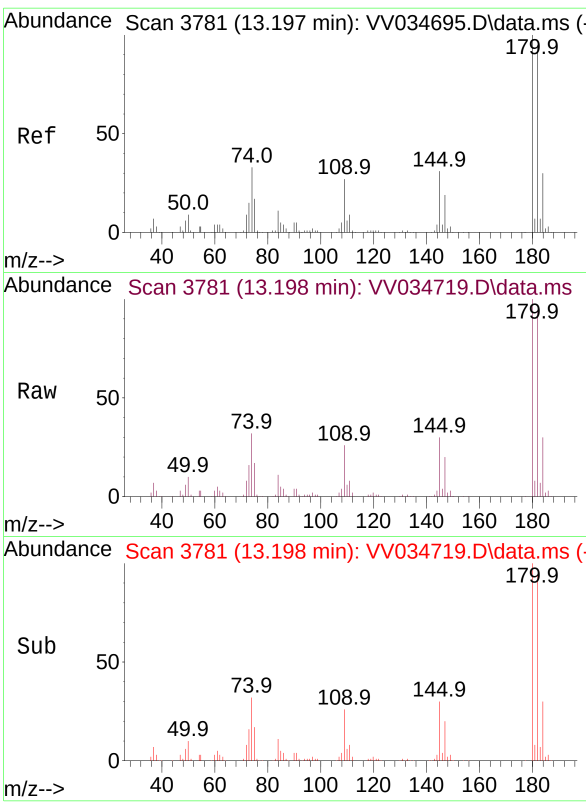

#69
1,3,5-Trichlorobenzene
Concen: 48.292 ug/L
RT: 12.580 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

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

Tgt Ion:180 Resp: 205992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 74.6 | 112.0 |
| 184 | 30.2 | 23.6 | 35.4 |
| 145 | 30.5 | 23.6 | 35.4 |

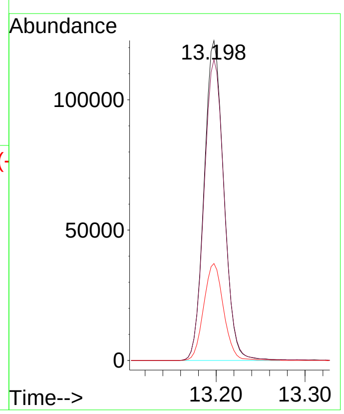


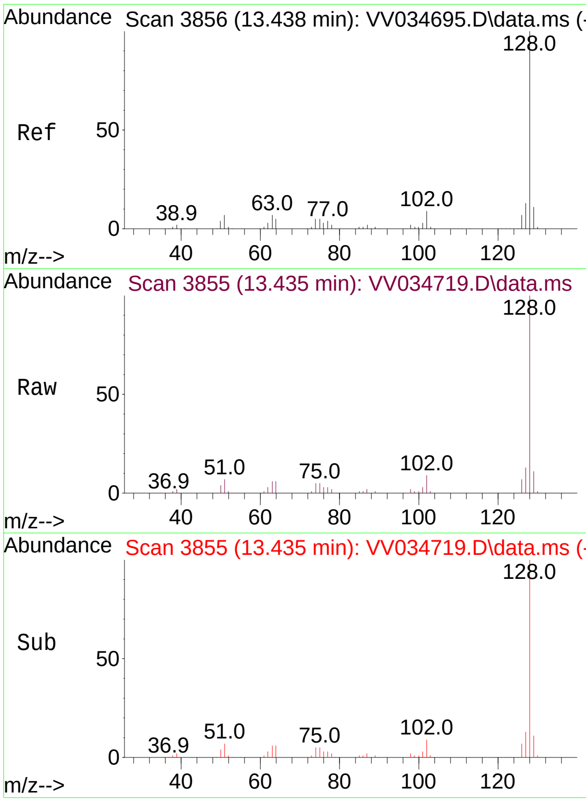




#70
1,2,4-trichlorobenzene
Concen: 49.131 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV034719.D
Acq: 19 Mar 2024 00:42

Tgt Ion:180 Resp: 188574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 74.8 | 112.2 |
| 145 | 30.5 | 24.2 | 36.4 |



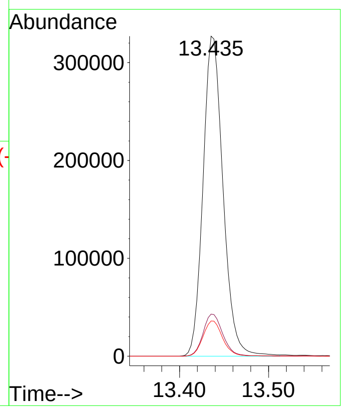


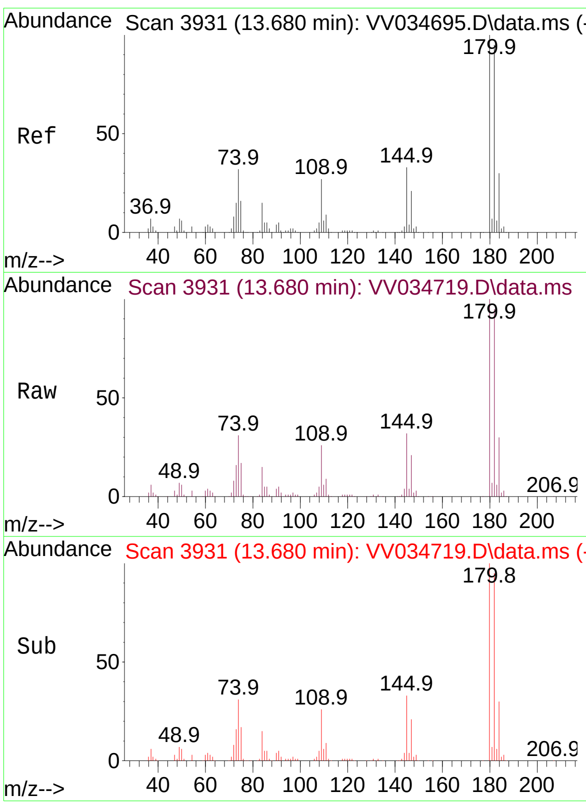

#71
Naphthalene
Concen:   49.813 ug/L
RT:  13.435 min  Scan# 38
Delta R.T.  -0.003 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

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

Tgt Ion:128 Resp:  511420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.3 | 15.5 |
| 129 | 10.8 | 8.7 | 13.1 |




#72
1,2,3-Trichlorobenzene
Concen:   50.953 ug/L
RT:  13.680 min  Scan# 3931
Delta R.T.  0.000 min
Lab File:   VV034719.D
Acq: 19 Mar 2024  00:42

Tgt Ion:180 Resp:  190782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 75.9 | 113.9 |
| 145 | 32.2 | 25.5 | 38.3 |