Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
Data File : VV039027.D
Acq On : 25 Aug 2025 12:11
Operator : SY/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 26 03:22:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 26 02:37:06 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 4.603 | 168 | 422801 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.535 | 114 | 880620 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 8.776 | 117 | 795549 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.175 | 152 | 349497 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.944 | 65 | 365186 | 59.885 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 81 - 118 | | Recovery = 119.760%# | | | |
| 35) Dibromofluoromethane | 4.506 | 113 | 314439 | 49.582 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 80 - 119 | | Recovery = 99.160% | | | |
| 50) Toluene-d8 | 7.236 | 98 | 1084138 | 48.281 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 89 - 112 | | Recovery = 96.560% | | | |
| 62) 4-Bromofluorobenzene | 10.001 | 95 | 355190 | 43.170 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 85 - 114 | | Recovery = 86.340% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.233 | 50 | 1283 | 0.213 | ug/l | 99 |
| 4) Vinyl Chloride | 1.297 | 62 | 1566 | 0.223 | ug/l # | 70 |
| 5) Bromomethane | 1.506 | 94 | 2457 | 0.695 | ug/l | 82 |
| 6) Chloroethane | 1.506 | 64 | 954 | 0.224 | ug/l # | 85 |
| 9) 1,1,2-Trichlorotrifluo... | 2.082 | 101 | 1244 | 0.204 | ug/l # | 83 |
| 10) Methyl Iodide | 2.207 | 142 | 7599 | 6.330 | ug/l # | 88 |
| 11) Tert butyl alcohol | 2.567 | 59 | 387 | 0.354 | ug/l # | 93 |
| 12) 1,1-Dichloroethene | 2.085 | 96 | 1302 | 0.223 | ug/l # | 85 |
| 13) Acrolein | 2.018 | 56 | 457 | 0.925 | ug/l # | 33 |
| 16) Acetone | 2.130 | 43 | 4574 | 1.188 | ug/l | 97 |
| 17) Carbon Disulfide | 2.256 | 76 | 18072 | 1.114 | ug/l | 99 |
| 20) Methylene Chloride | 2.465 | 84 | 2488 | 0.396 | ug/l # | 76 |
| 21) trans-1,2-Dichloroethene | 2.722 | 96 | 2316 | 0.396 | ug/l # | 63 |
| 28) Bromochloromethane | 4.130 | 49 | 40 | Below Cal | # | 11 |
| 31) Cyclohexane | 4.600 | 56 | 10201 | 1.100 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 4.603 | 75 | 32669 | 3.833 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 4.600 | 117 | 43277 | 4.240 | ug/l # | 17 |
| 41) Methacrylonitrile | 4.156 | 41 | 133 | 1.184 | ug/l # | 17 |
| 49) 1,4-Dioxane | 6.288 | 88 | 71 | 0.604 | ug/l # | 58 |
| 58) 2-Chloroethyl Vinyl ether | 6.802 | 63 | 167 | 7.639 | ug/l # | 47 |
| 68) m/p-Xylenes | 9.088 | 106 | 2344 | 0.202 | ug/l | 85 |
| 76) 1,2,3-Trichloropropane | 10.001 | 75 | 181074 | 26.394 | ug/l # | 55 |
| 77) Bromobenzene | 10.156 | 156 | 1391 | 0.229 | ug/l | 89 |
| 78) n-propylbenzene | 10.294 | 91 | 6273 | 0.217 | ug/l | 97 |
| 81) trans-1,4-Dichloro-2-b... | 10.001 | 75 | 181074 | 58.045 | ug/l # | 14 |
| 82) 4-Chlorotoluene | 10.493 | 91 | 4566 | 0.225 | ug/l | 88 |
| 86) p-Isopropyltoluene | 11.172 | 119 | 5064 | 0.226 | ug/l # | 73 |
| 87) 1,3-Dichlorobenzene | 11.123 | 146 | 4270 | 0.352 | ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 11.123 | 146 | 4270 | 0.327 | ug/l | 100 |
| 89) n-Butylbenzene | 11.596 | 91 | 7177 | 0.332 | ug/l | 97 |
| 91) 1,2-Dichlorobenzene | 11.586 | 146 | 2644 | 0.225 | ug/l | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.204 | 180 | 3885 | 0.570 | ug/l | 99 |
| 94) Hexachlorobutadiene | 13.371 | 225 | 2349 | 0.737 | ug/l | 94 |
| 95) Naphthalene | 13.445 | 128 | 9816 | 0.415 | ug/l # | 86 |
| 96) 1,2,3-Trichlorobenzene | 13.680 | 180 | 2864 | 0.415 | ug/l | 90 |

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 26 03:22:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 26 02:37:06 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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MSVOA_V
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
Quant Title : SW846 8260
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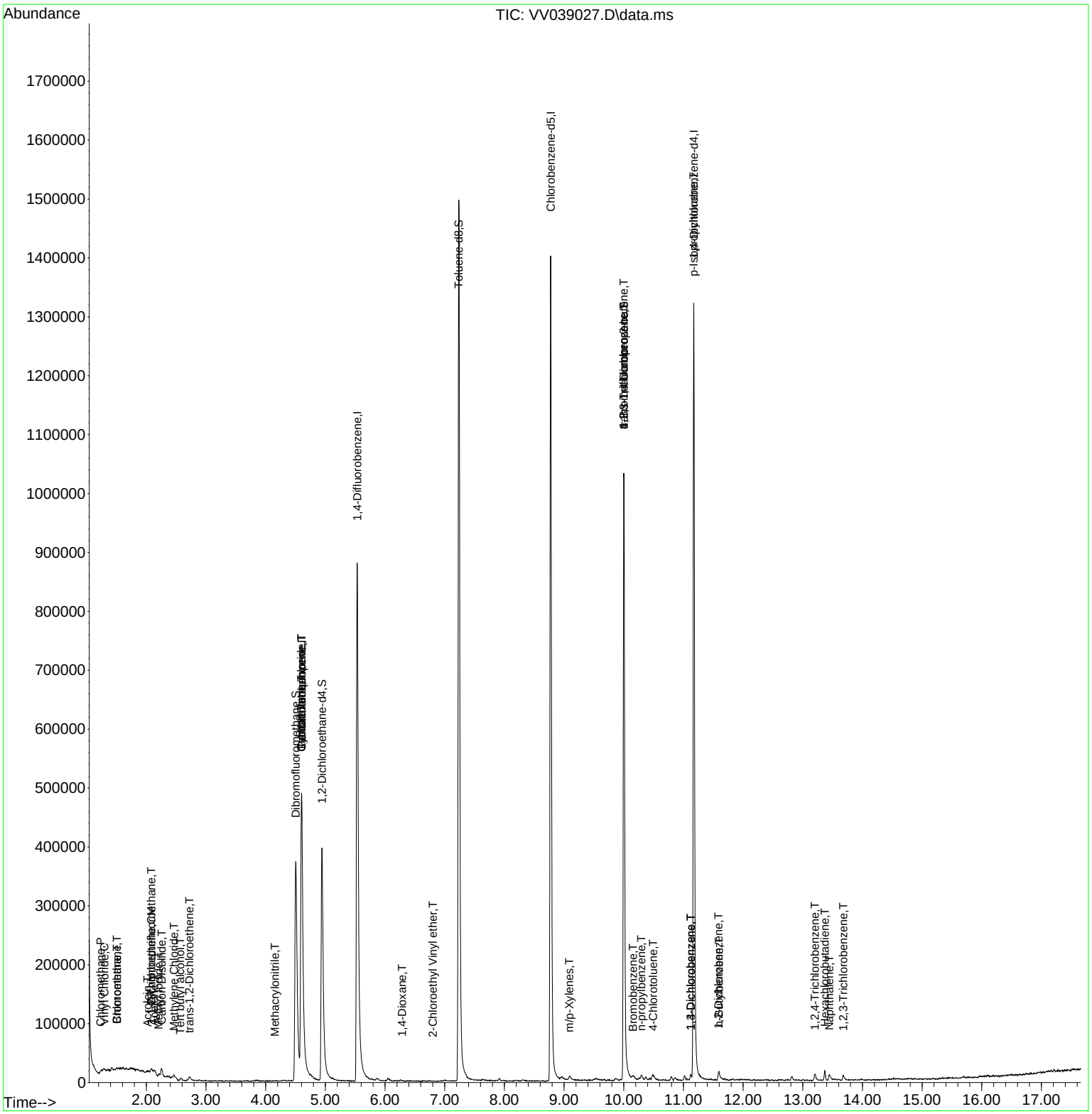
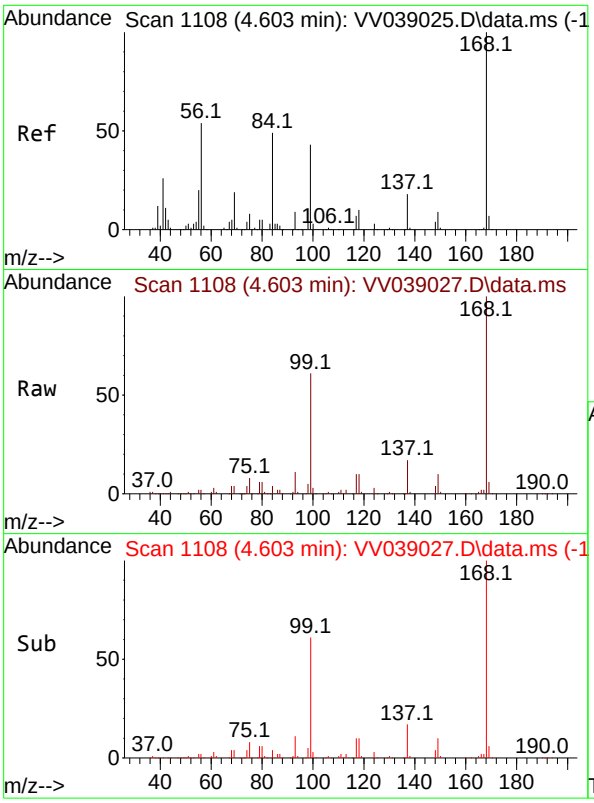


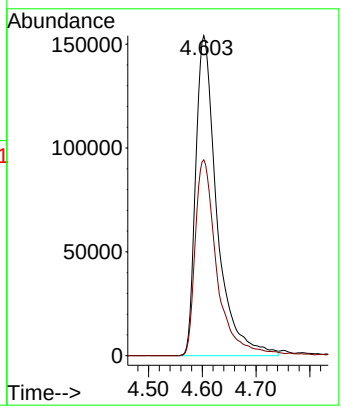


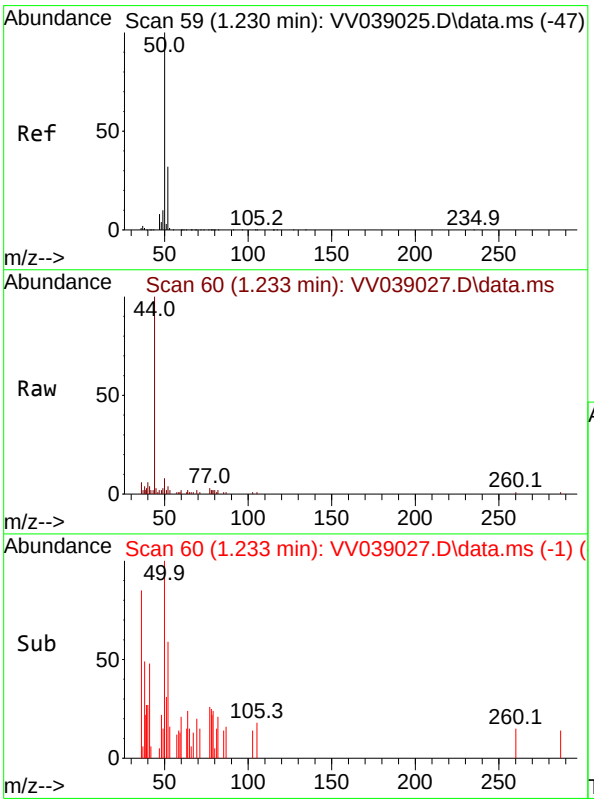

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:168 Resp: 422801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 47.8 | 71.8 |

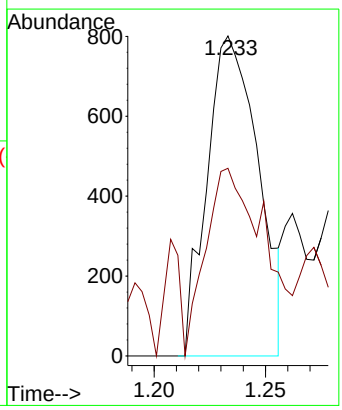


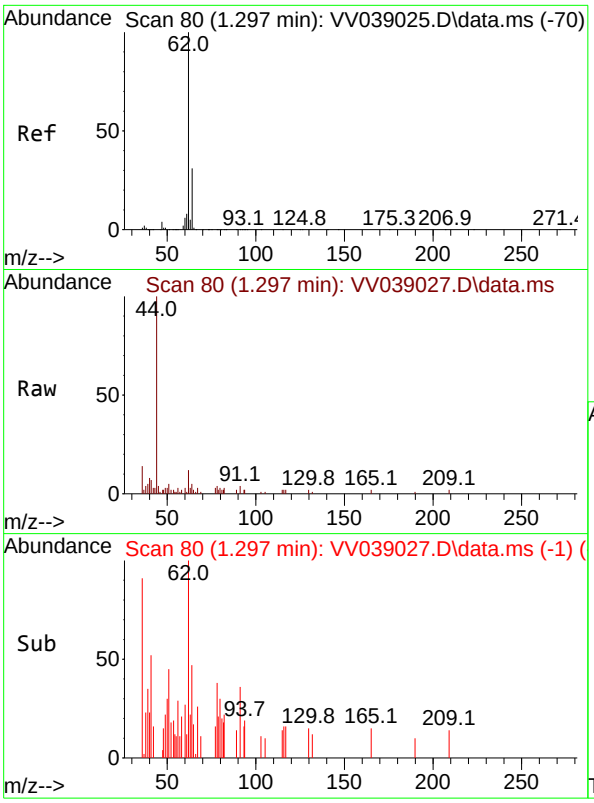




#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.233 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 50 Resp: 1283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 25.6 | 38.4 |



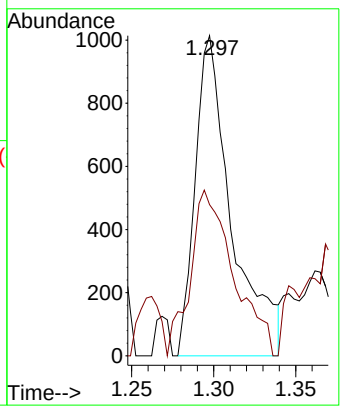


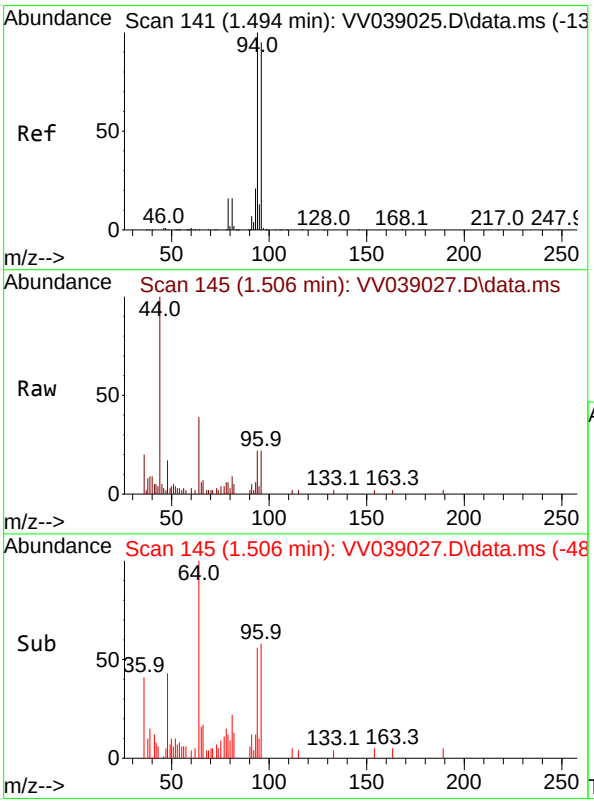

#4
Vinyl Chloride
Concen: 0.223 ug/l
RT: 1.297 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 62 Resp: 1566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 47.2 | 24.7 | 37.1# |

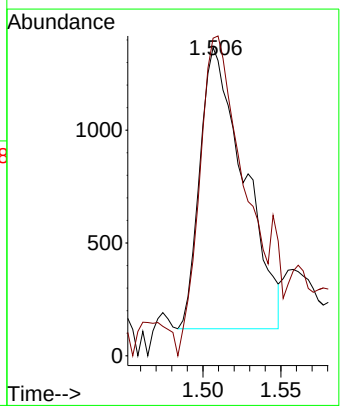


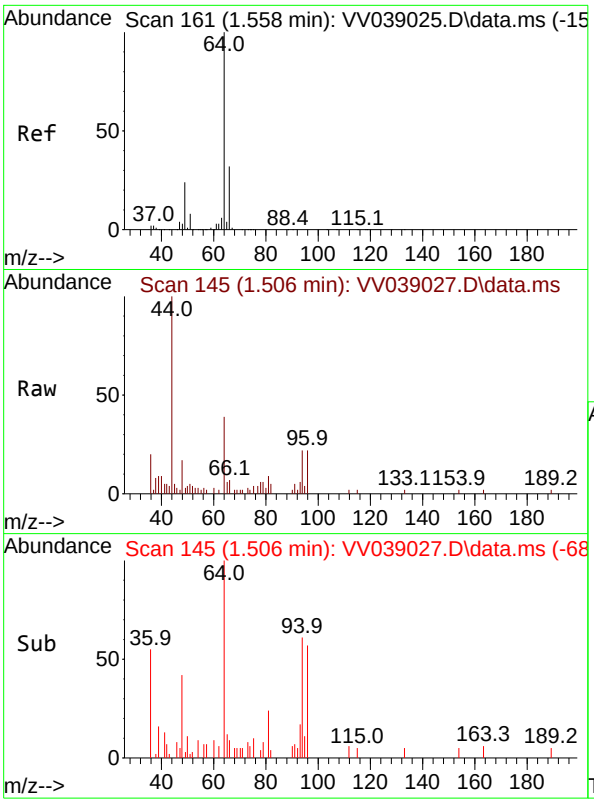




#5
Bromomethane
Concen: 0.695 ug/l
RT: 1.506 min Scan# 145
Delta R.T. 0.013 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 94 Resp: 2457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 112.9 | 76.2 | 114.2 |



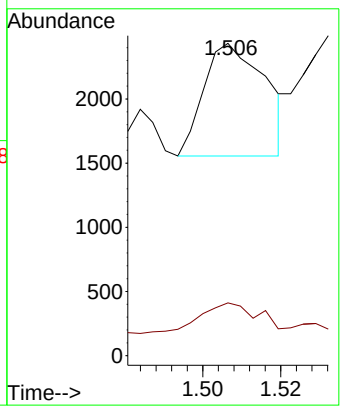


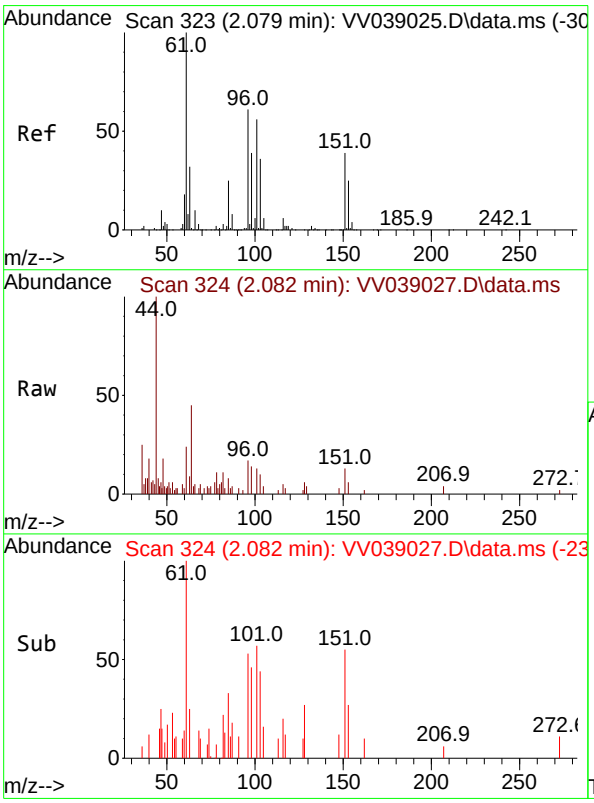

#6
Chloroethane
Concen: 0.224 ug/l
RT: 1.506 min Scan# 14
Delta R.T. -0.051 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 64 Resp: 954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 23.4 | 25.4 | 38.2# |

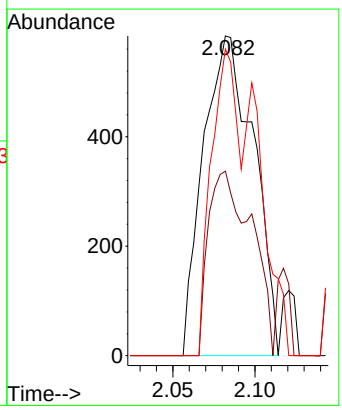


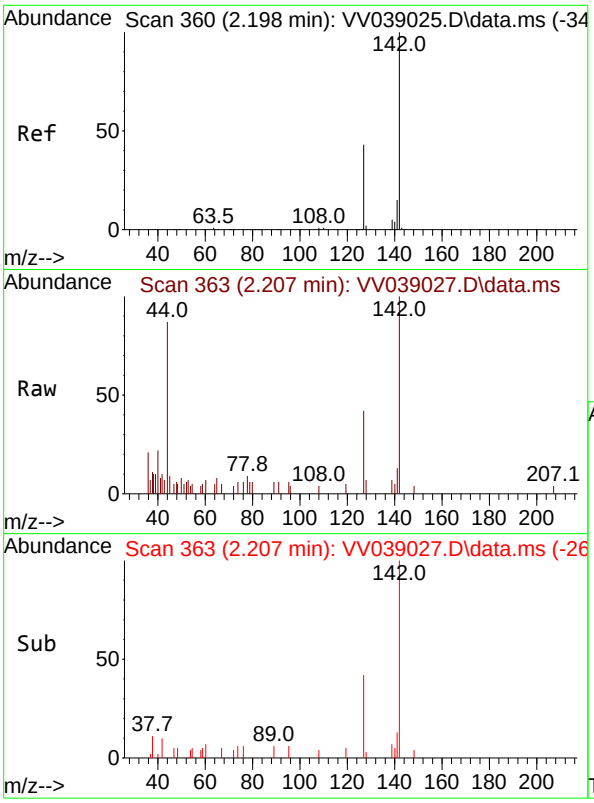




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.204 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:101 Resp: 1244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.8 | 35.5 | 53.3 |
| 151 | 51.7 | 56.1 | 84.1# |



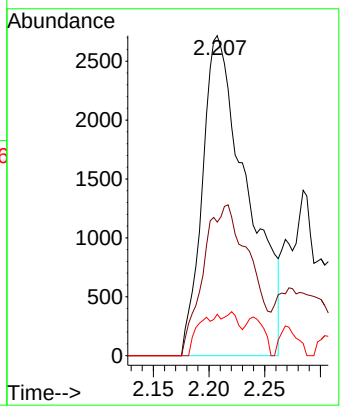


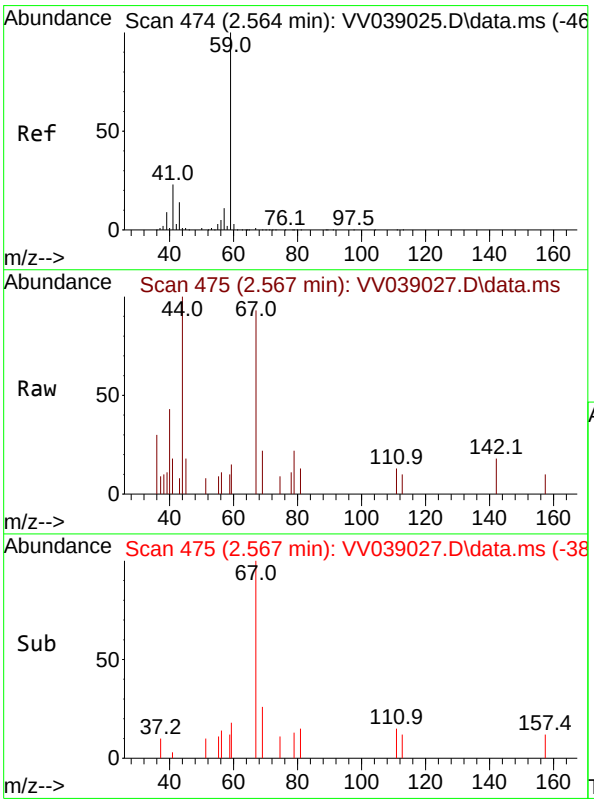

#10
Methyl Iodide
Concen: 6.330 ug/l
RT: 2.207 min Scan# 3
Delta R.T. 0.009 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:142 Resp: 7599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 35.7 | 53.5 |
| 141 | 4.0 | 11.6 | 17.4# |

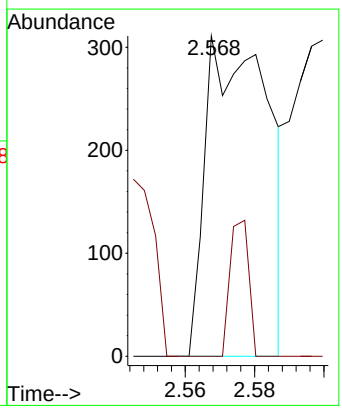


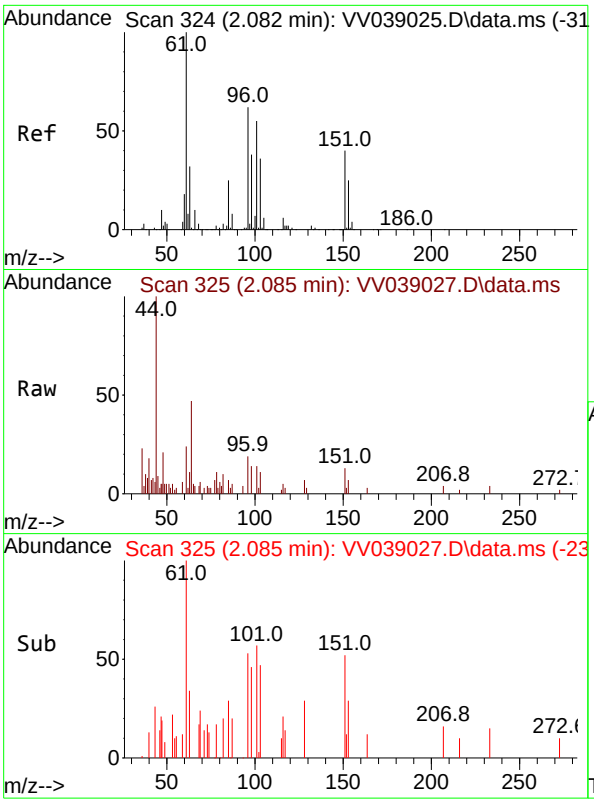




#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 2.567 min Scan# 475
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 59 Resp: 387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 12.9 | 8.2 | 12.2# |



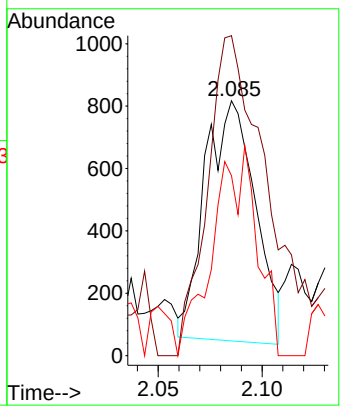


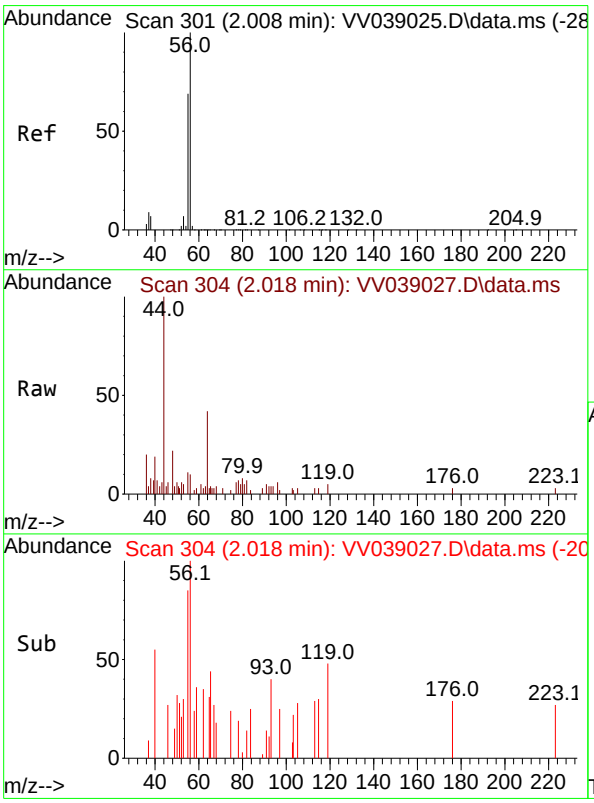

#12
1,1-Dichloroethene
Concen: 0.223 ug/l
RT: 2.085 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 96 Resp: 1302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.2 | 128.2 | 192.2 |
| 98 | 82.8 | 49.3 | 73.9# |

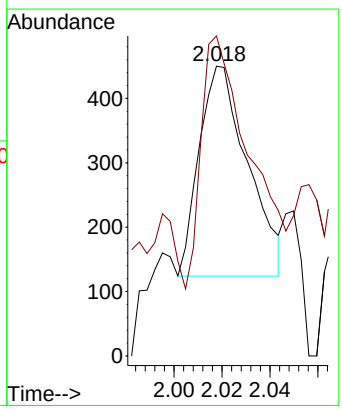


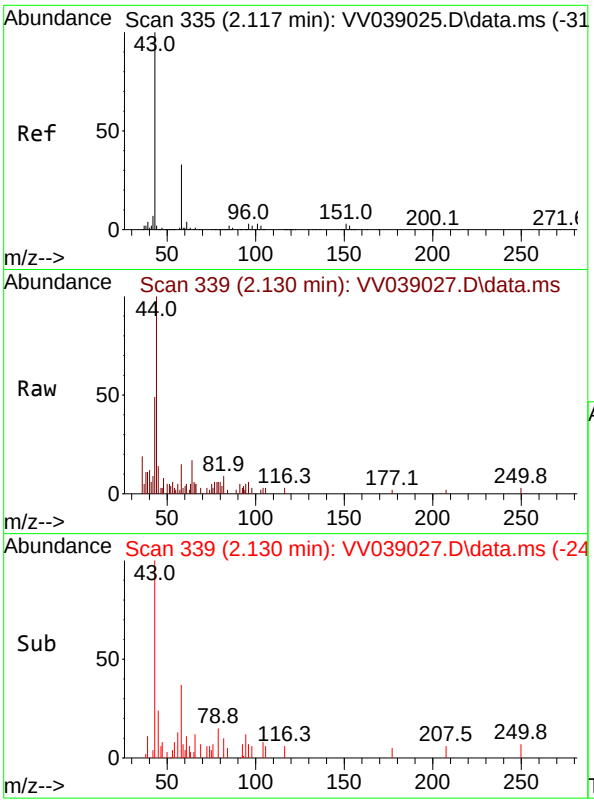




#13
Acrolein
Concen: 0.925 ug/l
RT: 2.018 min Scan# 304
Delta R.T. 0.010 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 56 Resp: 457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 122.8 | 54.7 | 82.1# |



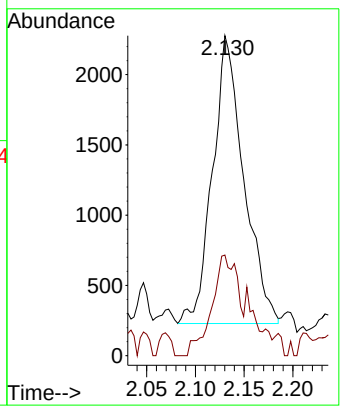


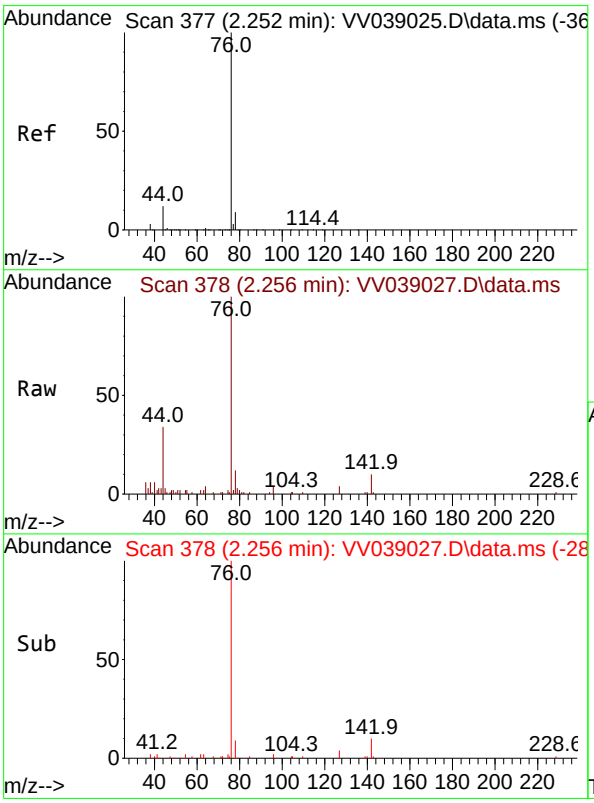

#16
Acetone
Concen: 1.188 ug/l
RT: 2.130 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 43 Resp: 4574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.0 | 26.6 | 40.0 |

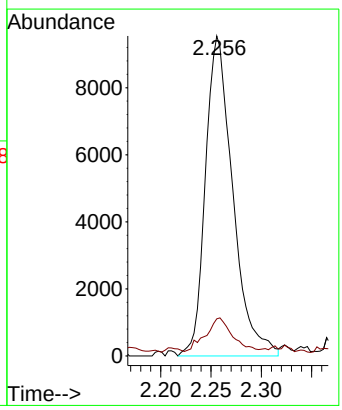


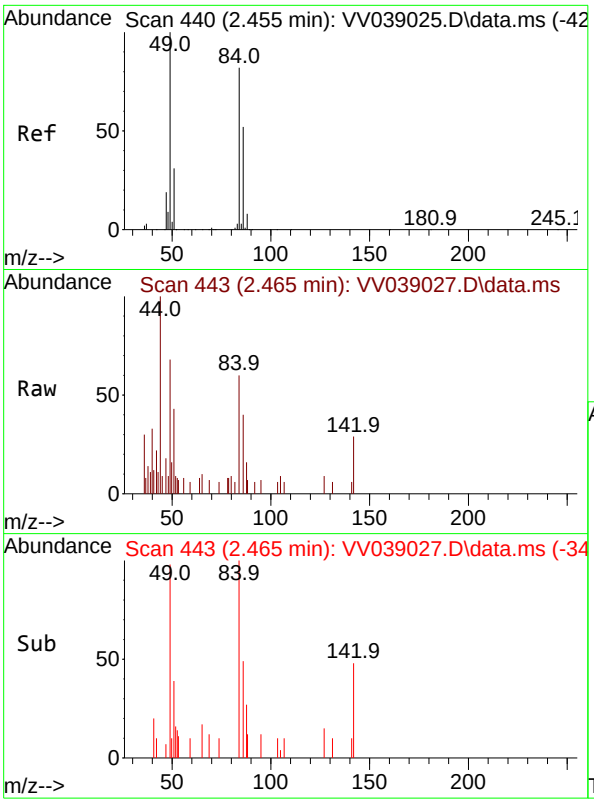




#17
Carbon Disulfide
Concen: 1.114 ug/l
RT: 2.256 min Scan# 378
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 76 Resp: 18072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.2 | 10.8 |



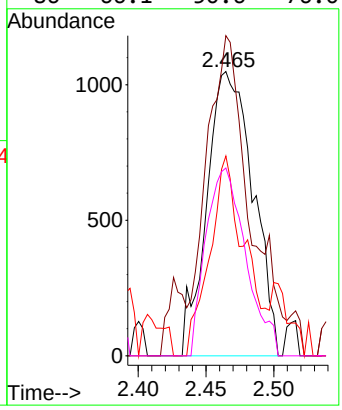


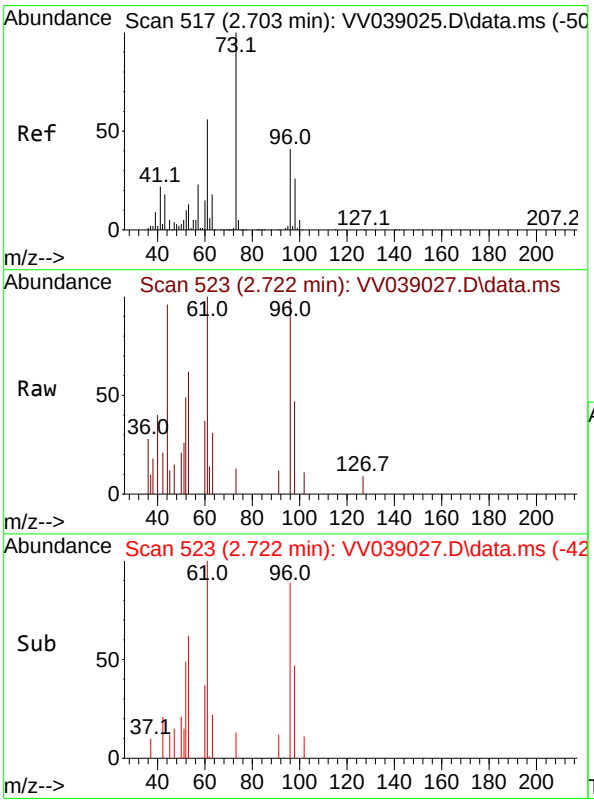

#20
Methylene Chloride
Concen: 0.396 ug/l
RT: 2.465 min Scan# 44
Delta R.T. 0.010 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 84 Resp: 2488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 93.4 | 97.8 | 146.8# |
| 51 | 70.3 | 30.3 | 45.5# |
| 86 | 66.1 | 50.6 | 76.0 |

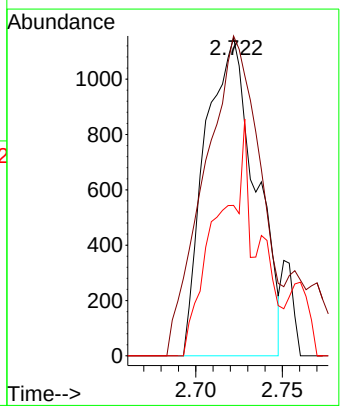


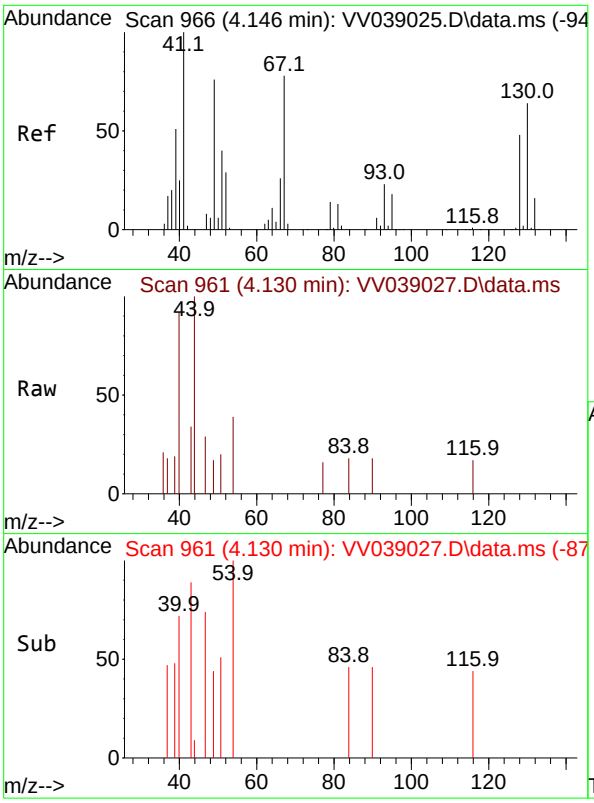




#21
trans-1,2-Dichloroethene
Concen: 0.396 ug/l
RT: 2.722 min Scan# 523
Delta R.T. 0.019 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 96 Resp: 2316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 83.4 | 110.1 | 165.1# |
| 98 | 47.3 | 50.2 | 75.4# |



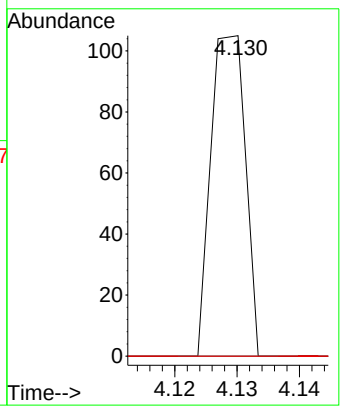


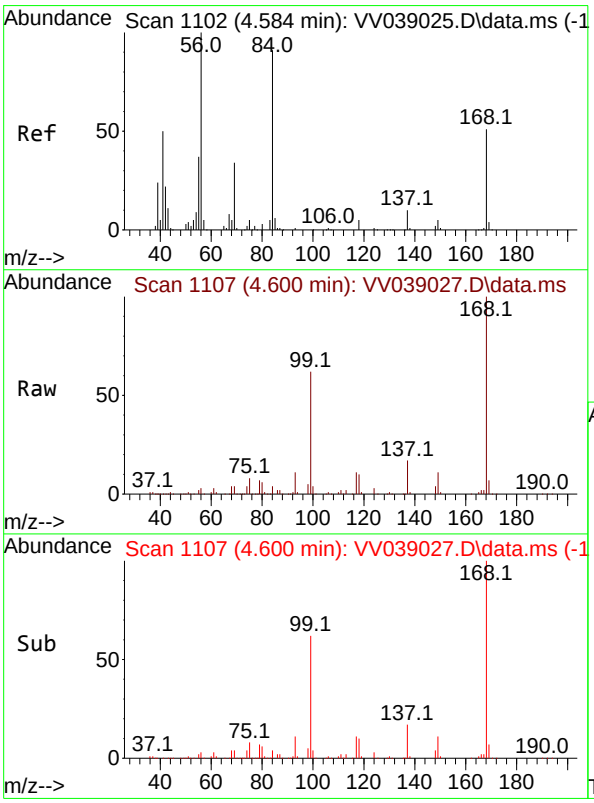

#28
Bromochloromethane
Concen: Below Cal
RT: 4.130 min Scan# 9
Delta R.T. -0.016 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 49 Resp: 40

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.4 |
| 130 | 0.0 | 64.9 | 97.3# |

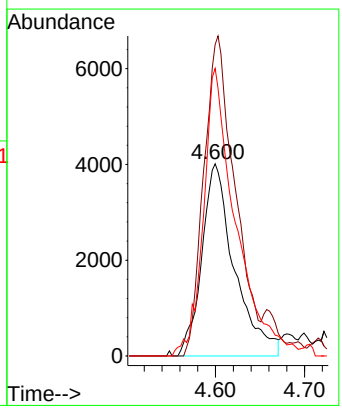


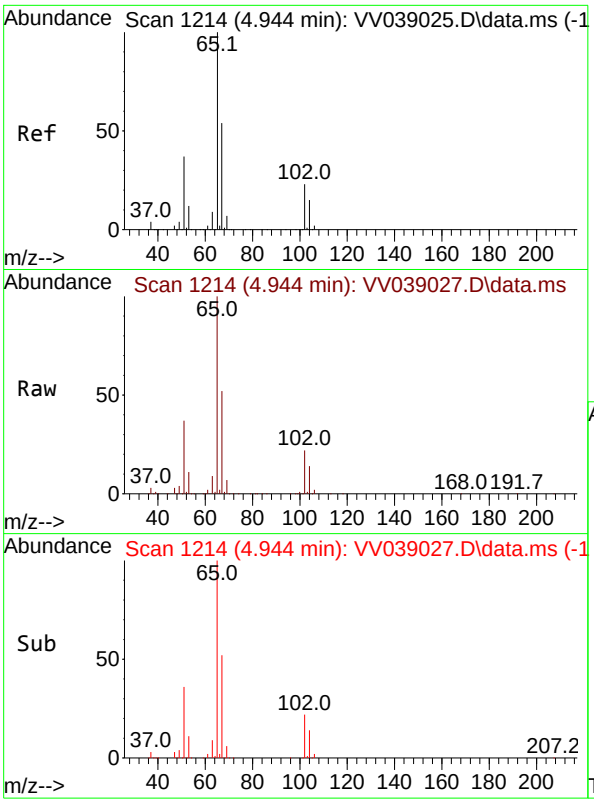




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 56 Resp: 10201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 162.1 | 27.0 | 40.4# |
| 84 | 145.0 | 72.9 | 109.3# |



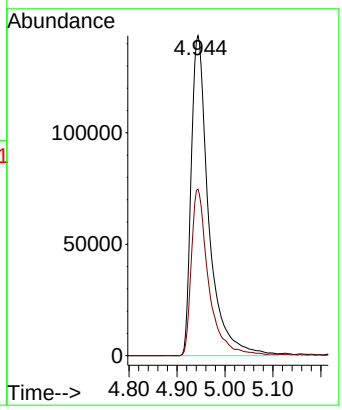


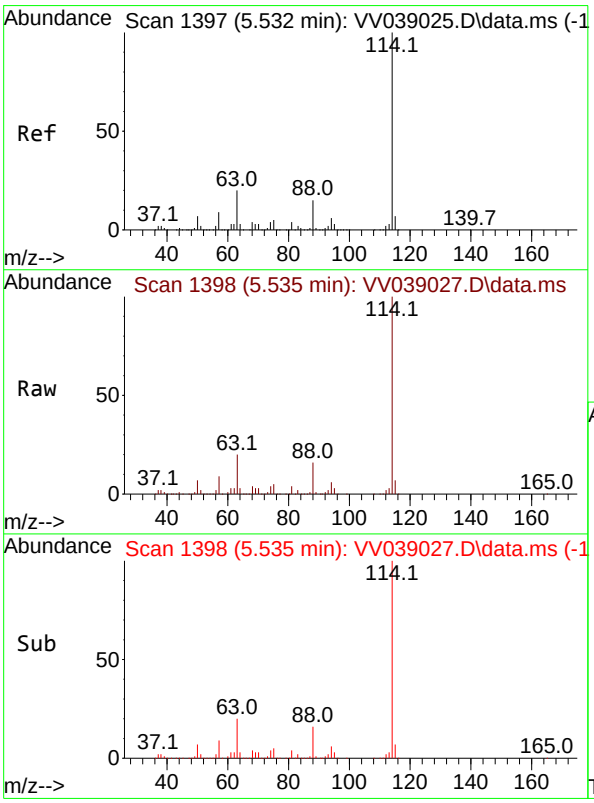

#33
1,2-Dichloroethane-d4
Concen: 59.885 ug/l
RT: 4.944 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 65 Resp: 365186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 108.2 |

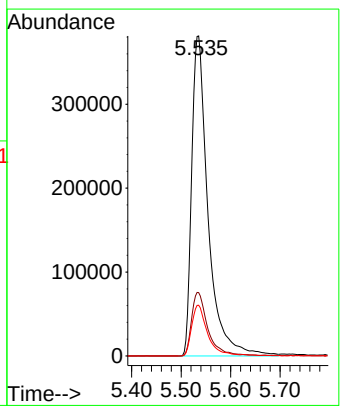


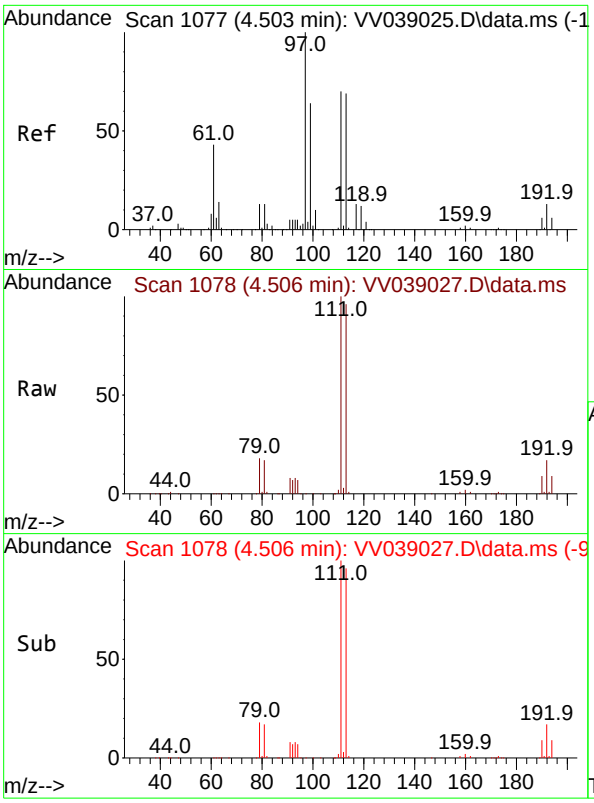




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:114 Resp: 880620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 39.4 |
| 88 | 15.9 | 0.0 | 30.6 |



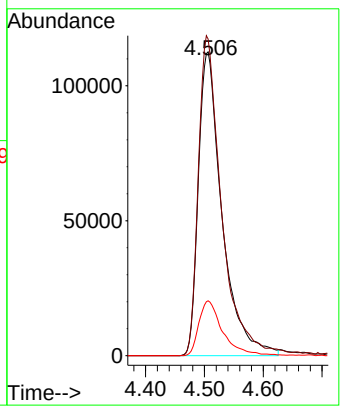


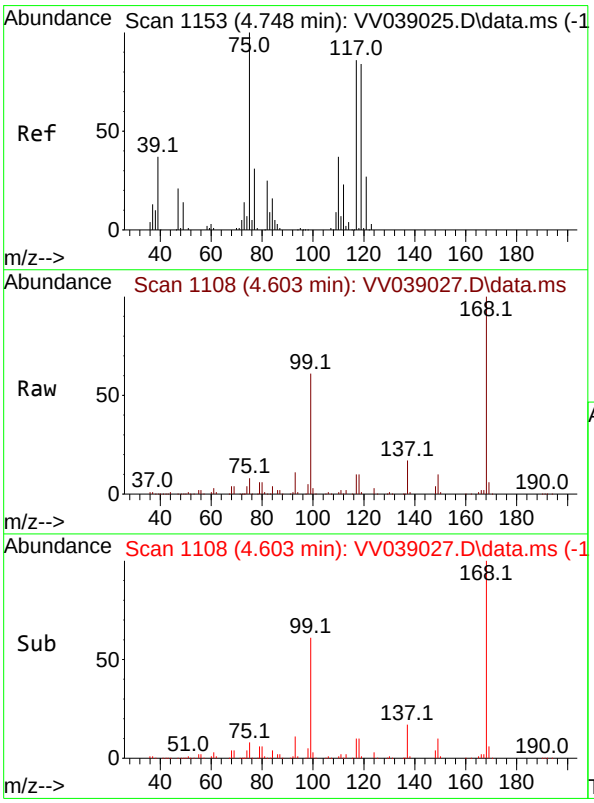

#35
Dibromofluoromethane
Concen: 49.582 ug/l
RT: 4.506 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:113 Resp: 314439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 82.2 | 123.2 |
| 192 | 18.3 | 14.2 | 21.2 |

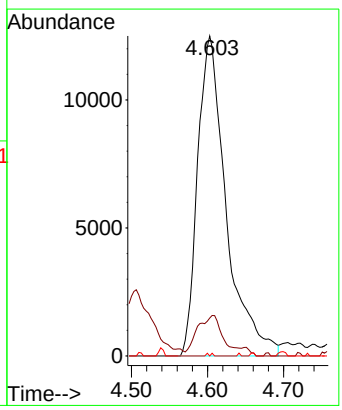


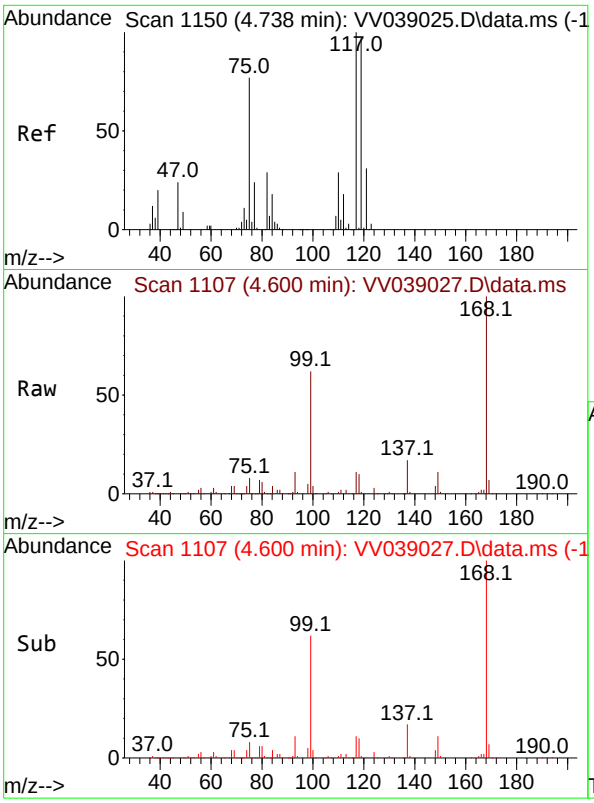




#36
1,1-Dichloropropene
Concen: 3.833 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. -0.145 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 75 Resp: 32669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 18.6 | 55.8# |
| 77 | 0.1 | 24.6 | 36.8# |



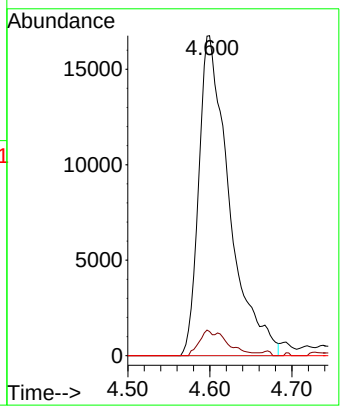


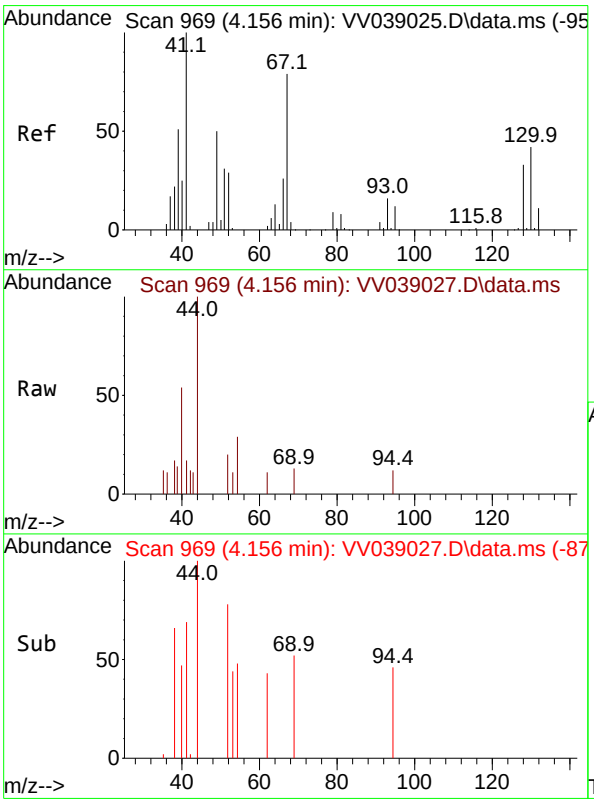

#38
Carbon Tetrachloride
Concen: 4.240 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.138 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:117 Resp: 43277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.5 | 77.8 | 116.6# |
| 121 | 0.0 | 24.9 | 37.3# |

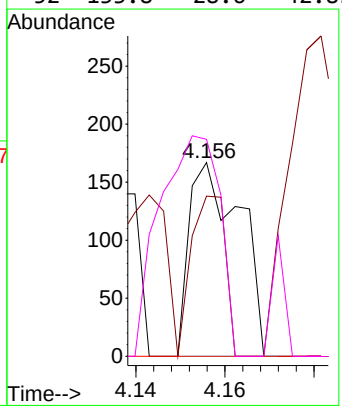


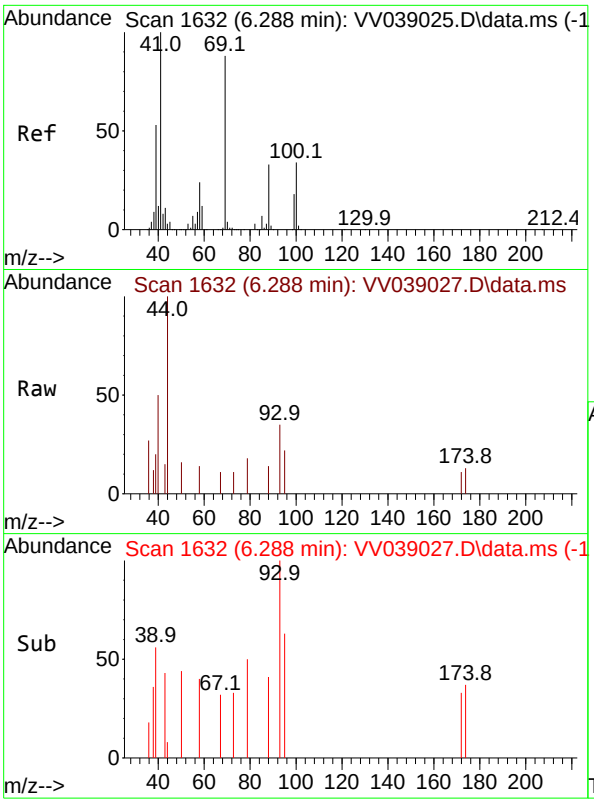




#41
Methacrylonitrile
Concen: 1.184 ug/l
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 41 Resp: 133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.9 | 42.7 | 64.1 |
| 67 | 0.0 | 74.5 | 111.7# |
| 52 | 133.8 | 28.6 | 42.8# |



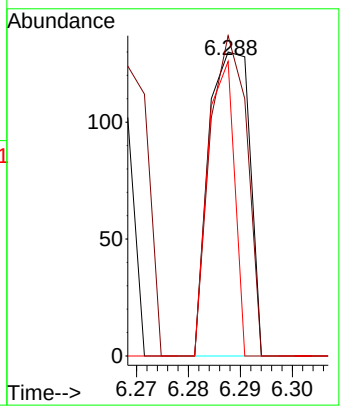


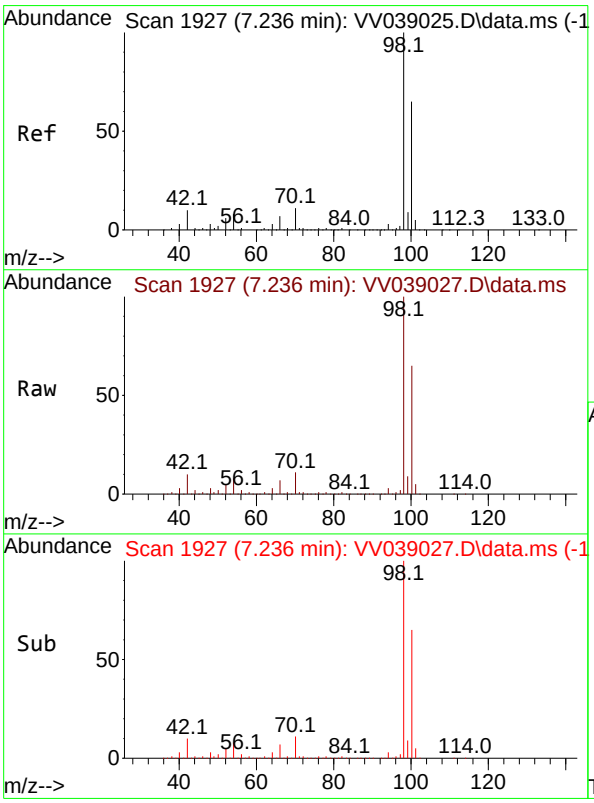

#49
1,4-Dioxane
Concen: 0.604 ug/l
RT: 6.288 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 88 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 94.4 | 25.4 | 38.2# |
| 58 | 63.4 | 58.4 | 87.6 |

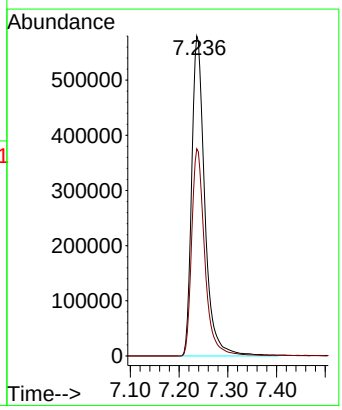


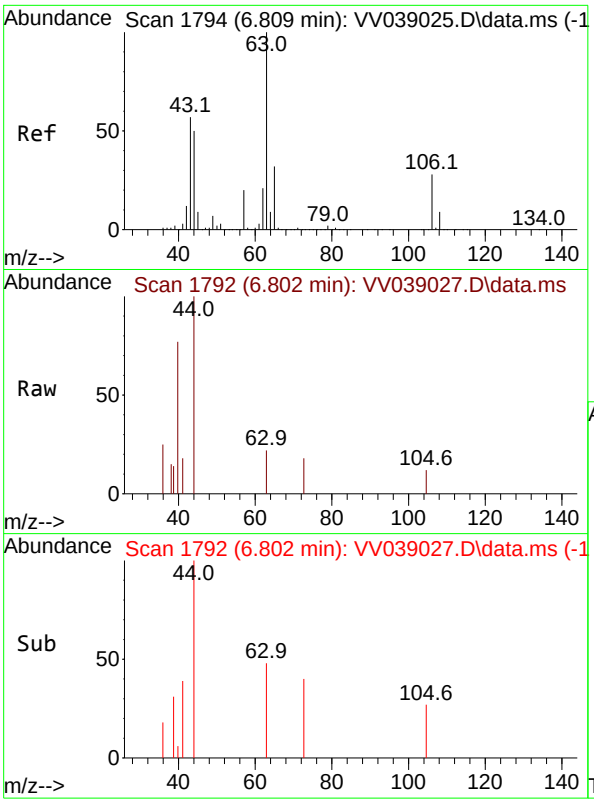




#50
Toluene-d8
Concen: 48.281 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 98 Resp: 1084138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.6 | 79.0 |



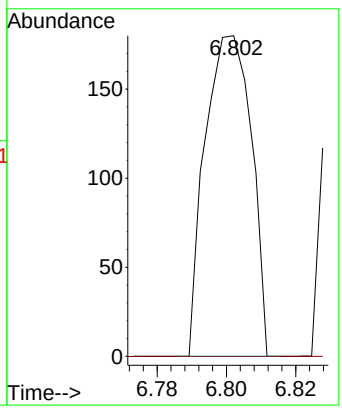


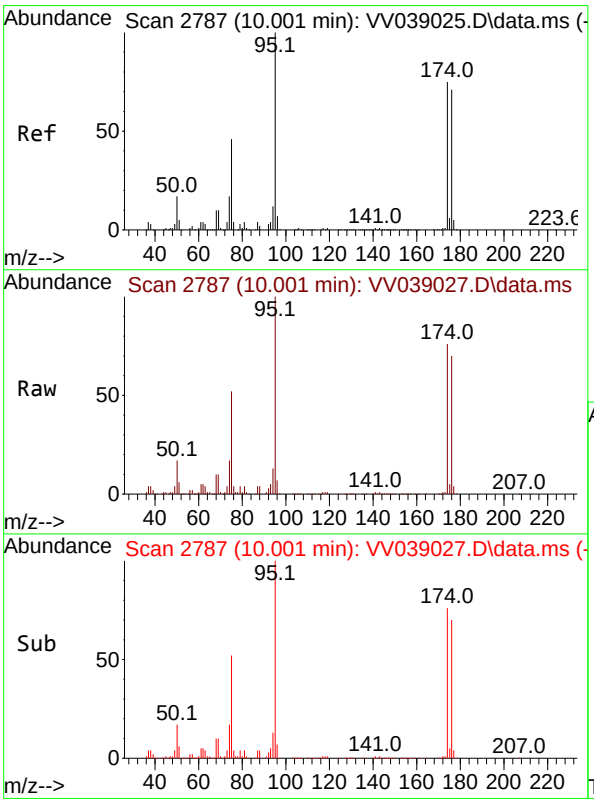

#58
2-Chloroethyl Vinyl ether
Concen: 7.639 ug/l
RT: 6.802 min Scan# 1
Delta R.T. -0.007 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 63 Resp: 167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 22.3 | 33.5# |

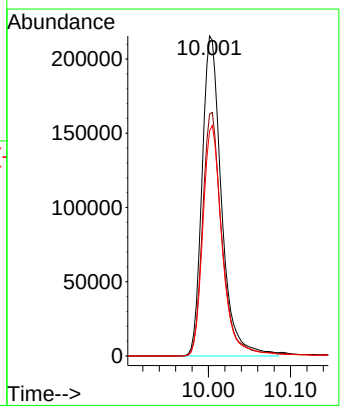


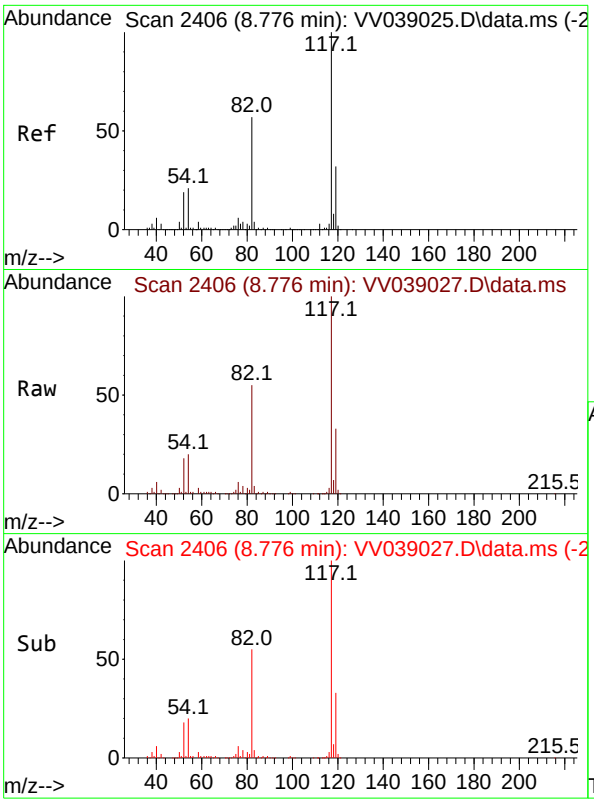




#62
4-Bromofluorobenzene
Concen: 43.170 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 95 Resp: 355190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.8 | 0.0 | 150.4 |
| 176 | 72.1 | 0.0 | 144.2 |



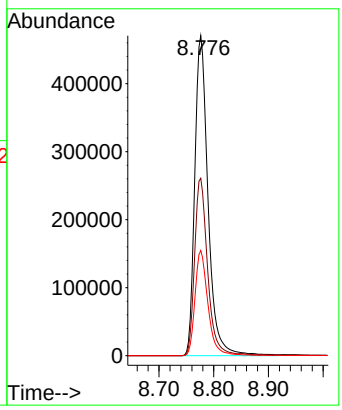


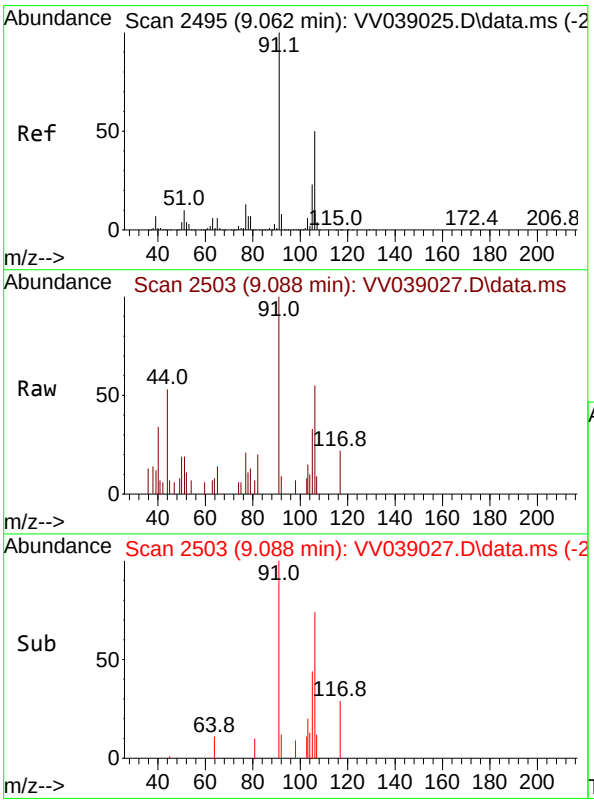

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:117 Resp: 795549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 45.6 | 68.4 |
| 119 | 32.8 | 25.4 | 38.0 |

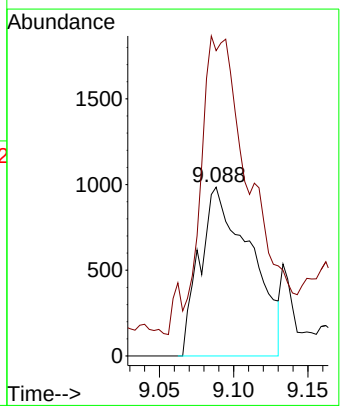


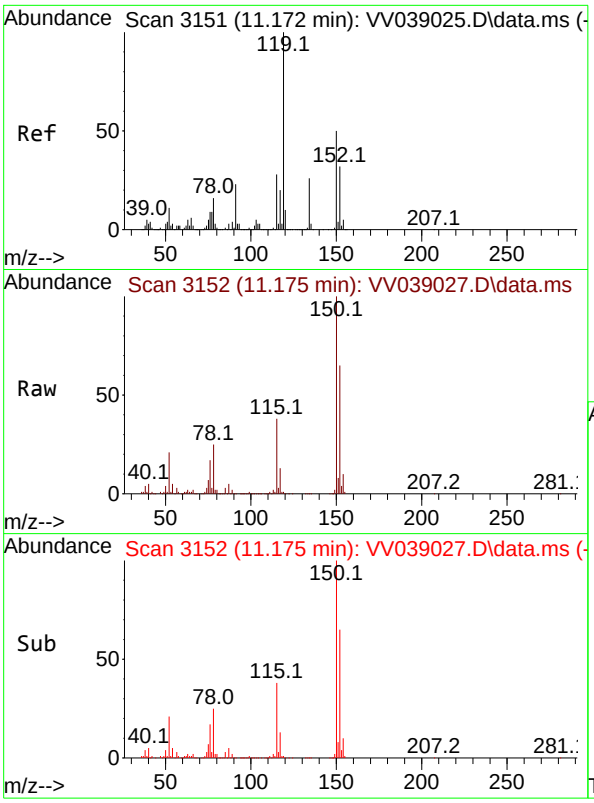




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 9.088 min Scan# 2503
Delta R.T. 0.026 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:106 Resp: 2344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 179.4 | 162.4 | 243.6 |



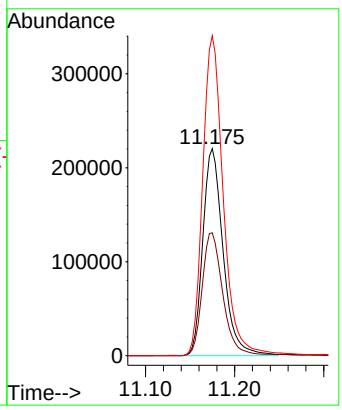


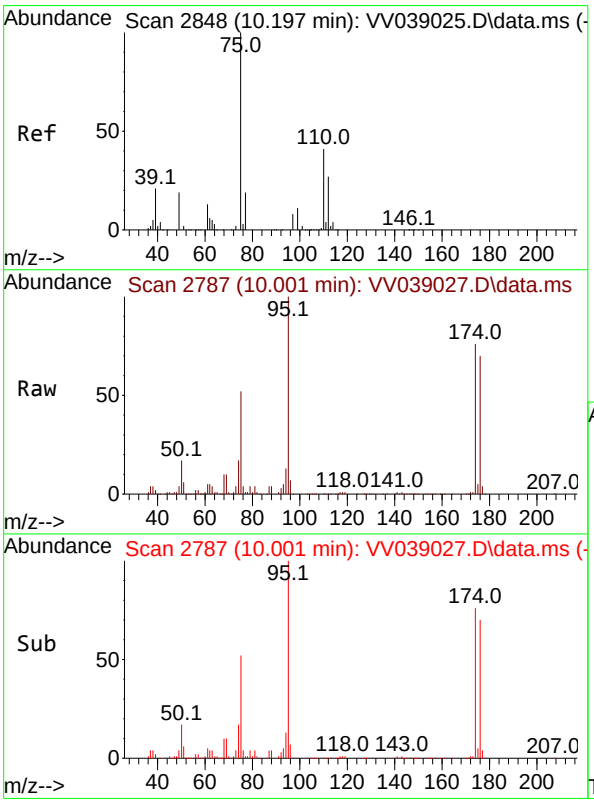

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:152 Resp: 349497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 44.0 | 132.1 |
| 150 | 156.3 | 0.0 | 352.2 |

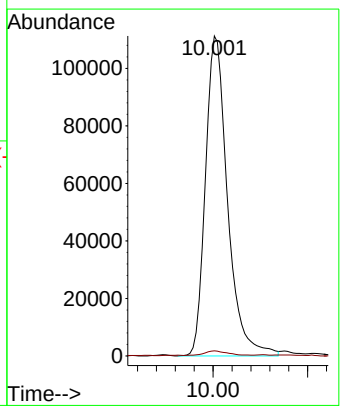


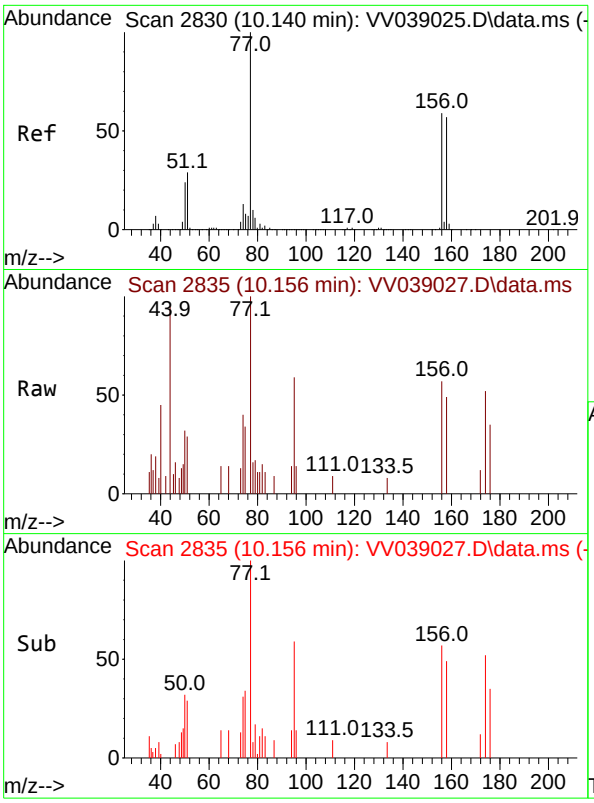




#76
1,2,3-Trichloropropane
Concen: 26.394 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.196 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 75 Resp: 181074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 11.9 | 35.5# |



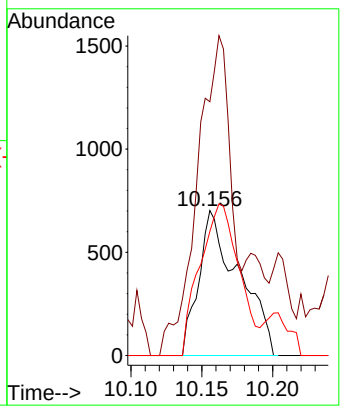


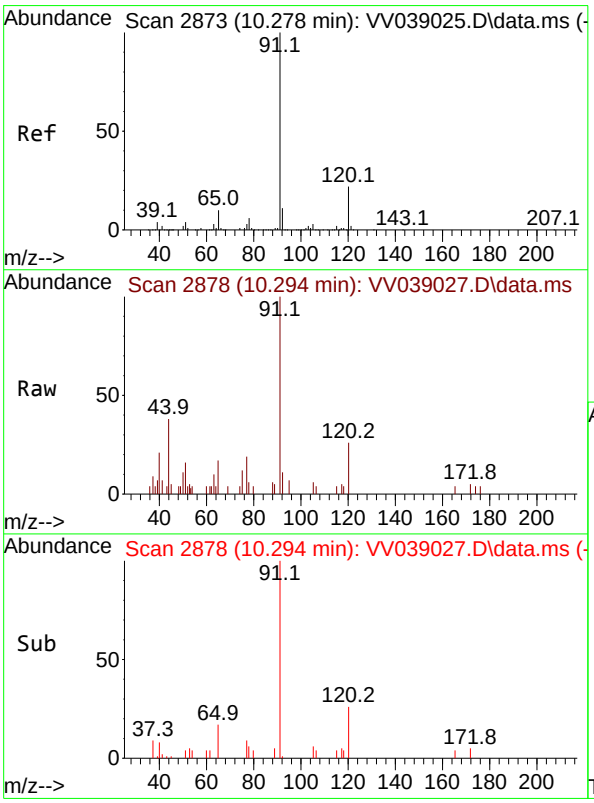

#77
Bromobenzene
Concen: 0.229 ug/l
RT: 10.156 min Scan# 2
Delta R.T. 0.016 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:156 Resp: 1391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 185.0 | 82.5 | 247.7 |
| 158 | 102.7 | 49.4 | 148.0 |

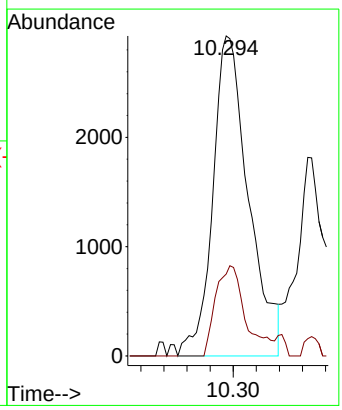


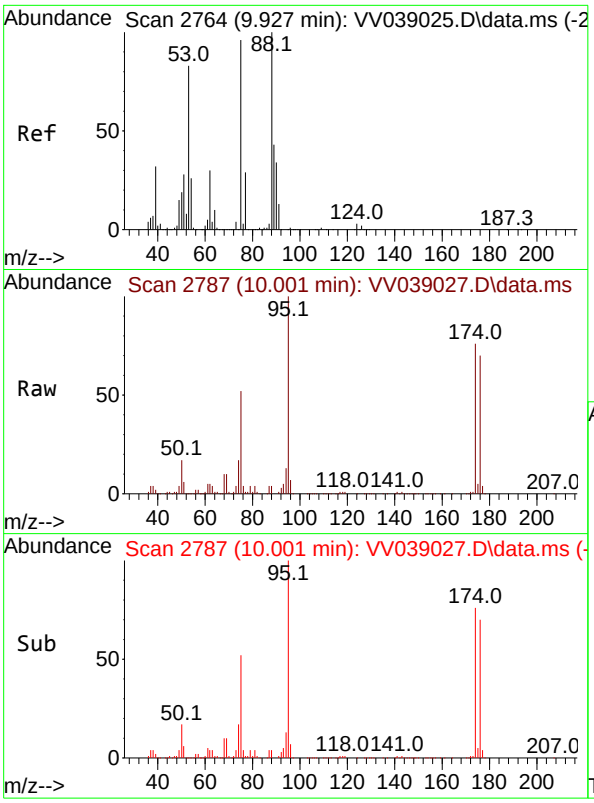




#78
n-propylbenzene
Concen: 0.217 ug/l
RT: 10.294 min Scan# 2878
Delta R.T. 0.016 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 91 Resp: 6273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.9 | 11.2 | 33.6 |



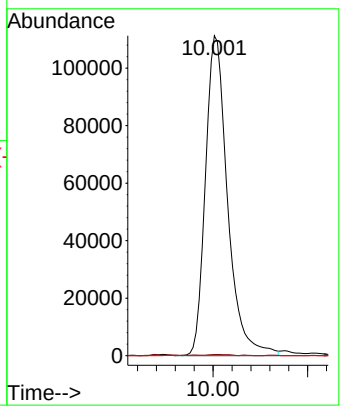


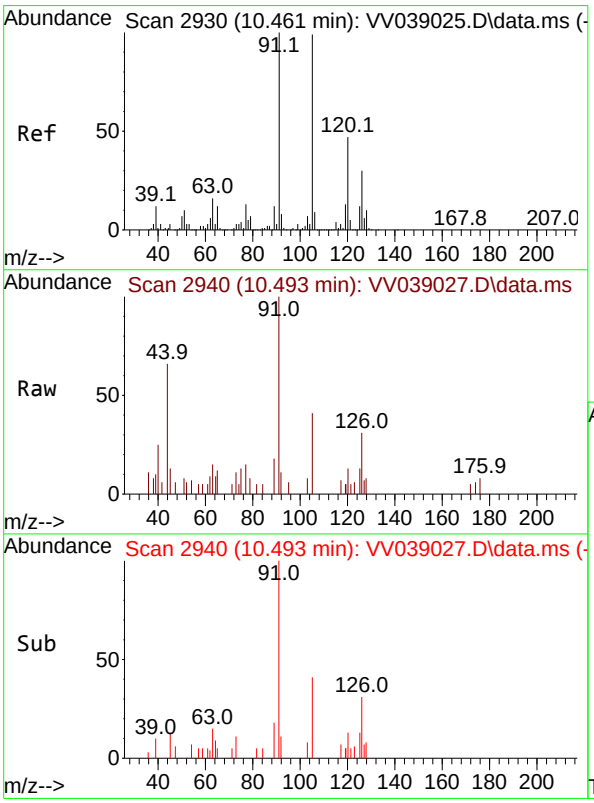

#81
trans-1,4-Dichloro-2-butene
Concen: 58.045 ug/l
RT: 10.001 min Scan# 2
Delta R.T. 0.074 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion: 75 Resp: 181074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 70.2 | 105.4# |
| 89 | 0.0 | 36.5 | 54.7# |

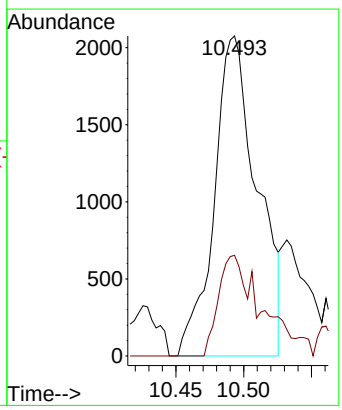


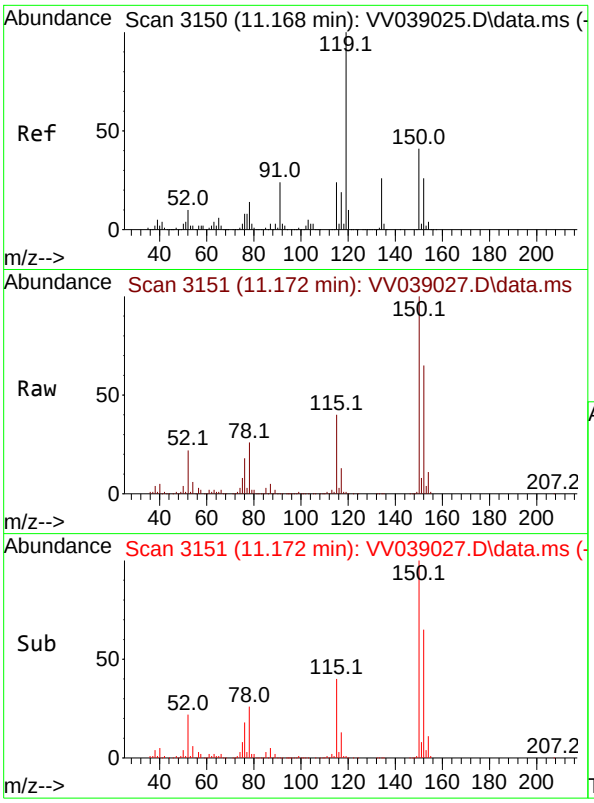




#82
4-Chlorotoluene
Concen: 0.225 ug/l
RT: 10.493 min Scan# 2940
Delta R.T. 0.032 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 91 Resp: 4566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 23.3 | 14.9 | 44.5 |



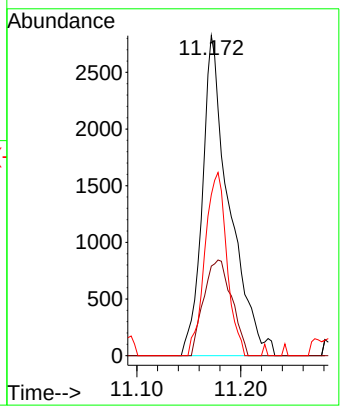


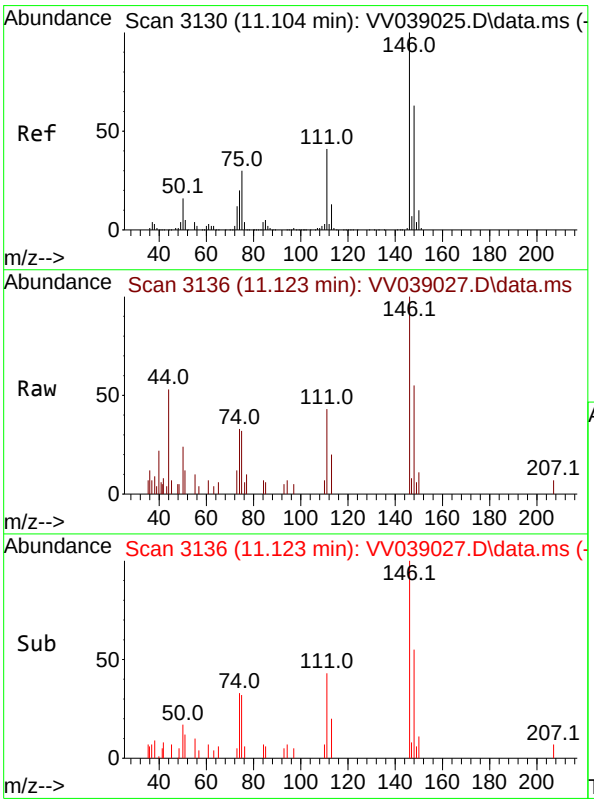

#86
p-Isopropyltoluene
Concen: 0.226 ug/l
RT: 11.172 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:119 Resp: 5064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 31.2 | 13.1 | 39.1 |
| 91 | 46.7 | 12.0 | 36.1# |

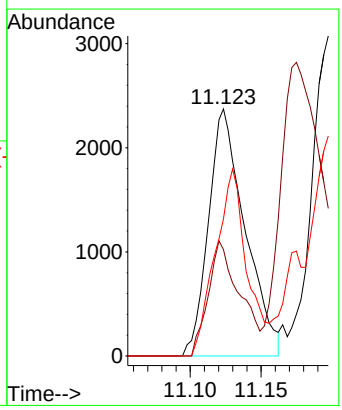


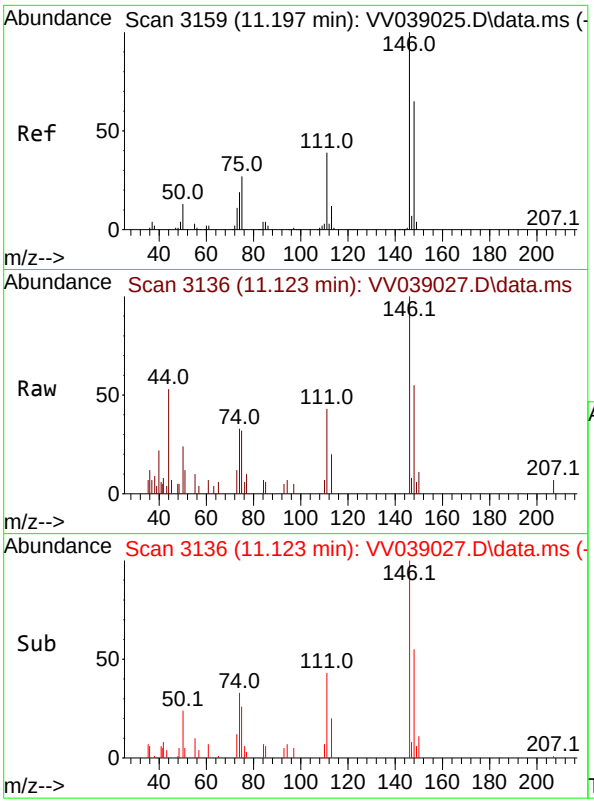




#87
1,3-Dichlorobenzene
Concen: 0.352 ug/l
RT: 11.123 min Scan# 3136
Delta R.T. 0.019 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:146 Resp: 4270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.5 | 61.6 |
| 148 | 65.3 | 31.9 | 95.7 |



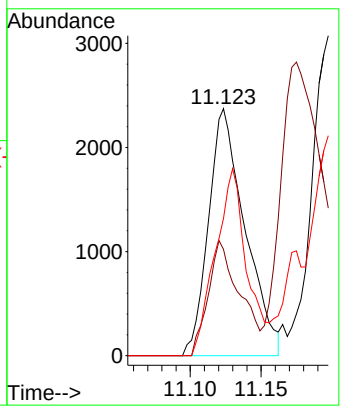


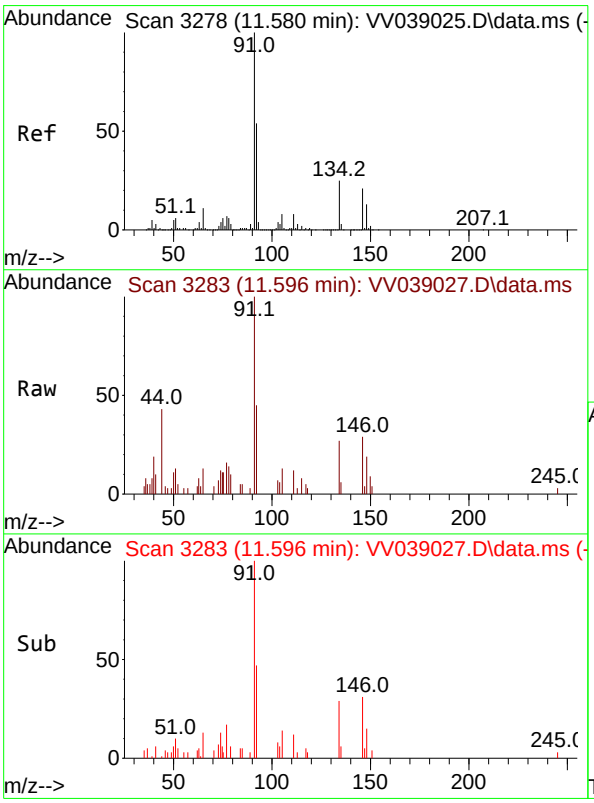

#88
1,4-Dichlorobenzene
Concen: 0.327 ug/l
RT: 11.123 min Scan# 3
Delta R.T. -0.074 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:146 Resp: 4270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.1 | 60.3 |
| 148 | 65.3 | 32.5 | 97.4 |

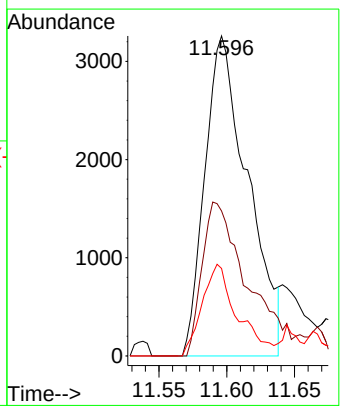


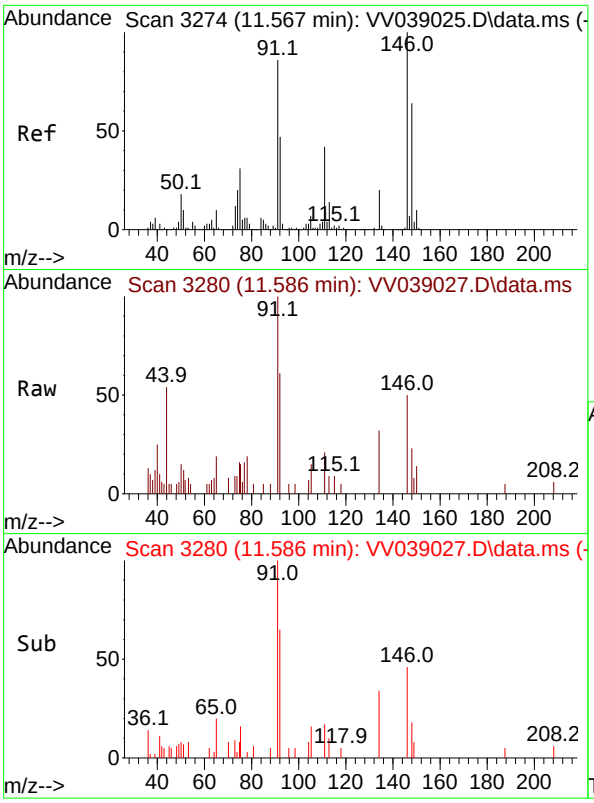




#89
n-Butylbenzene
Concen: 0.332 ug/l
RT: 11.596 min Scan# 3283
Delta R.T. 0.016 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 91 Resp: 7177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.3 | 26.8 | 80.4 |
| 134 | 23.5 | 12.2 | 36.6 |



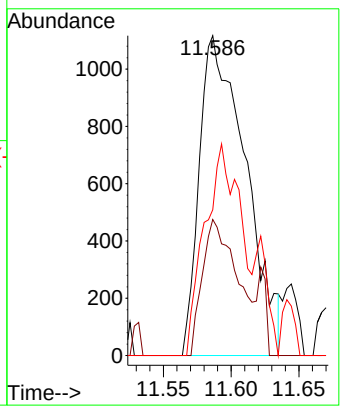


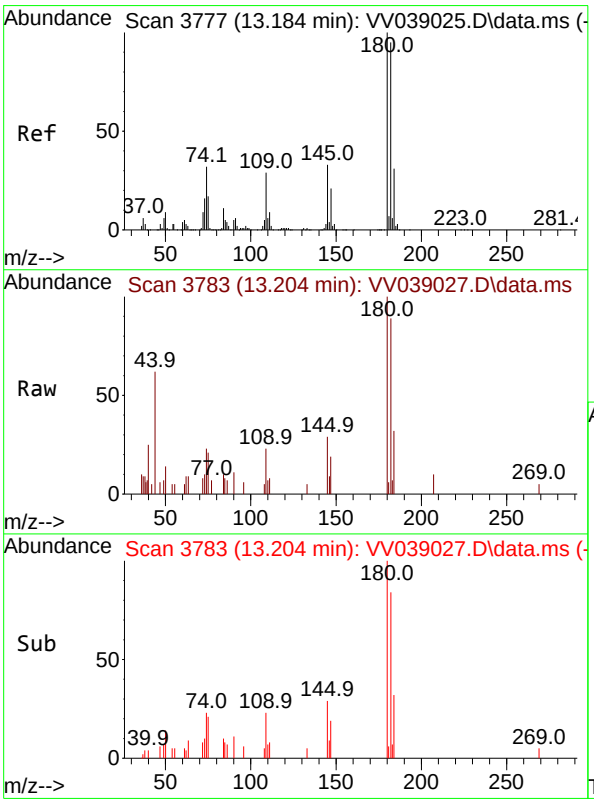

#91
1,2-Dichlorobenzene
Concen: 0.225 ug/l
RT: 11.586 min Scan# 3
Delta R.T. 0.019 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:146 Resp: 2644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 31.7 | 21.1 | 63.4 |
| 148 | 51.5 | 32.3 | 96.8 |

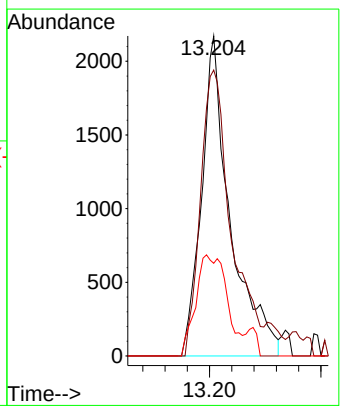


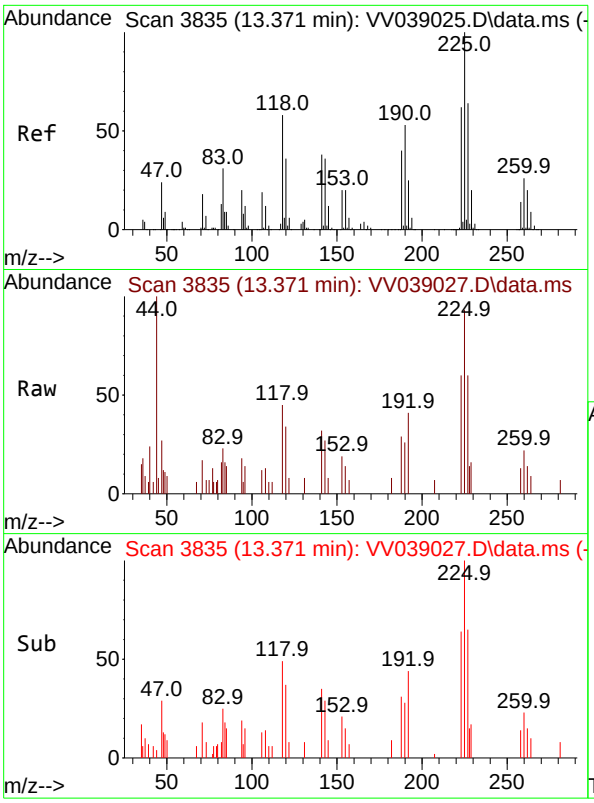




#93
1,2,4-Trichlorobenzene
Concen: 0.570 ug/l
RT: 13.204 min Scan# 3783
Delta R.T. 0.019 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:180 Resp: 3885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 47.5 | 142.6 |
| 145 | 34.3 | 16.3 | 48.9 |



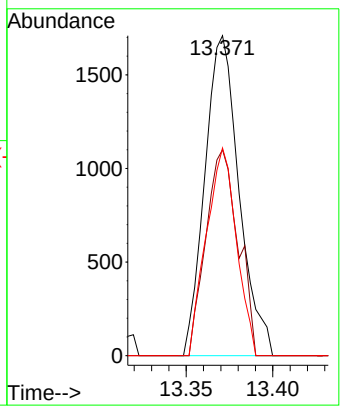


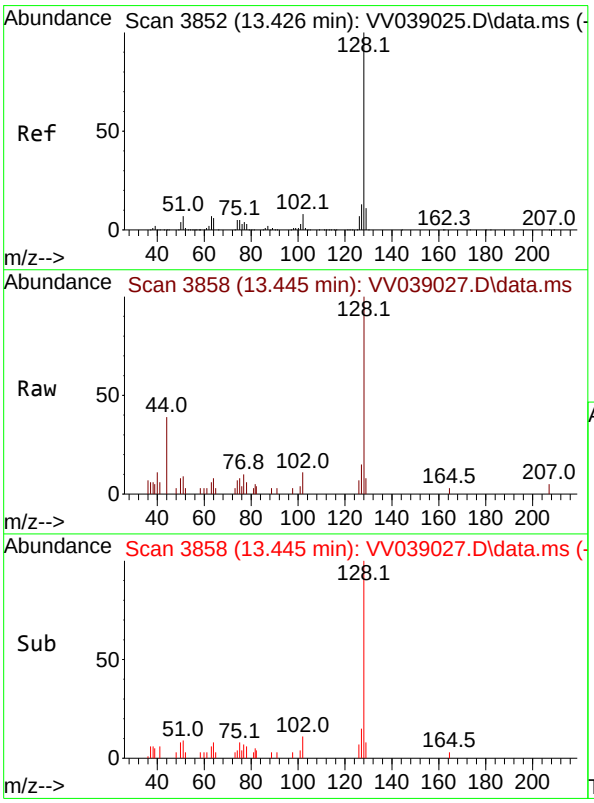

#94
Hexachlorobutadiene
Concen: 0.737 ug/l
RT: 13.371 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:225 Resp: 2349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.8 | 32.1 | 96.5 |
| 227 | 56.9 | 31.6 | 95.0 |

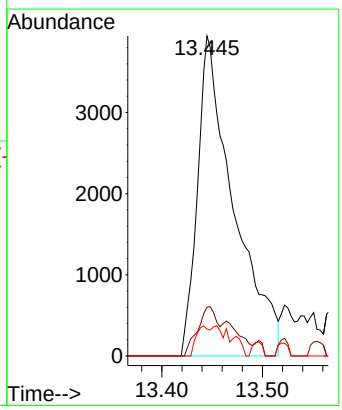


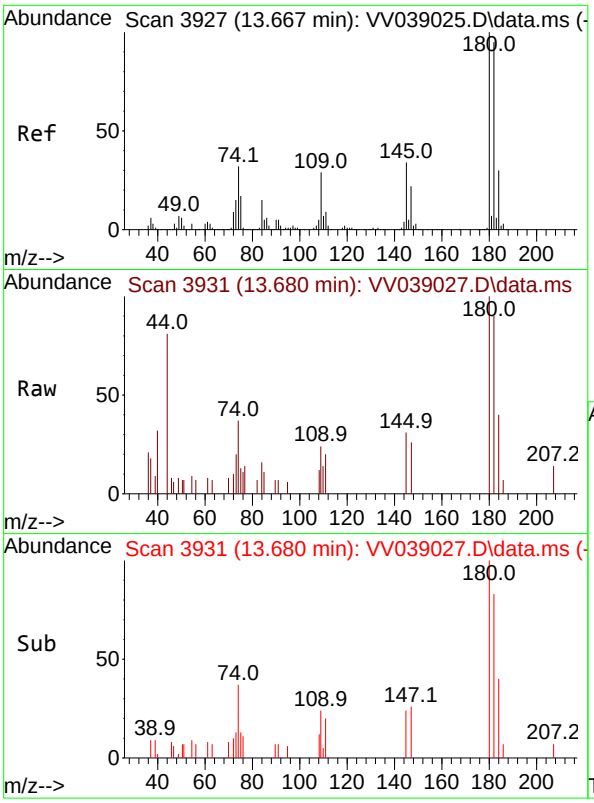




#95
Naphthalene
Concen: 0.415 ug/l
RT: 13.445 min Scan# 3858
Delta R.T. 0.019 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:128 Resp: 9816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 8.5 | 10.2 | 15.2# |
| 129 | 3.6 | 8.5 | 12.7# |






#96
1,2,3-Trichlorobenzene
Concen: 0.415 ug/l
RT: 13.680 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

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

Tgt Ion:180 Resp: 2864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.4 | 47.0 | 141.0 |
| 145 | 44.3 | 17.0 | 51.0 |