Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
Data File : VN081946.D
Acq On : 01 May 2024 10:51
Operator : JC\MD
Sample : VN0501MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**

Quant Time: May 02 01:27:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 188892 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 379904 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 327096 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152 | 126968 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.583 | 65 | 144245 | 45.246 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.500% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 108330 | 47.361 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.720% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 462521 | 51.486 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.980% | | | |
| 62) 4-Bromofluorobenzene | 12.853 | 95 | 155954 | 43.916 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 64 - 133 | | Recovery = 87.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 2.371 | 50 | 675 | 0.244 | ug/l # | 42 |
| 5) Bromomethane | 2.971 | 94 | 1182 | Below Cal | # | 33 |
| 10) Methyl Iodide | 4.583 | 142 | 596 | 0.303 | ug/l # | 40 |
| 13) Acrolein | 4.171 | 56 | 264 | Below Cal | | 92 |
| 15) Acrylonitrile | 5.730 | 53 | 672 | 0.483 | ug/l # | 84 |
| 16) Acetone | 4.448 | 43 | 859 | Below Cal | # | 43 |
| 17) Carbon Disulfide | 4.712 | 76 | 3379 | 0.491 | ug/l # | 90 |
| 20) Methylene Chloride | 5.271 | 84 | 556 | 0.204 | ug/l # | 46 |
| 25) 2-Butanone | 7.489 | 43 | 374 | 0.207 | ug/l # | 43 |
| 29) Tetrahydrofuran | 7.859 | 42 | 484 | 0.373 | ug/l # | 29 |
| 31) Cyclohexane | 8.224 | 56 | 5593 | 1.165 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 8.218 | 75 | 19012 | 5.109 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 8.224 | 117 | 19609 | 5.392 | ug/l # | 16 |
| 43) Isopropyl Acetate | 8.694 | 43 | 3961 | 0.524 | ug/l # | 52 |
| 59) 2-Hexanone | 11.200 | 43 | 733 | 0.231 | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane | 12.847 | 75 | 83546 | 25.378 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75 | 83546 | 52.004 | ug/l # | 12 |
| 88) 1,4-Dichlorobenzene | 13.818 | 146 | 1161 | 0.267 | ug/l # | 64 |
| 89) n-Butylbenzene | 14.065 | 91 | 2190 | 0.262 | ug/l # | 87 |
| 94) Hexachlorobutadiene | 15.512 | 225 | 797 | 0.915 | ug/l | 91 |
| 95) Naphthalene | 15.647 | 128 | 4808 | 0.538 | ug/l # | 84 |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180 | 1668 | 0.735 | ug/l # | 57 |

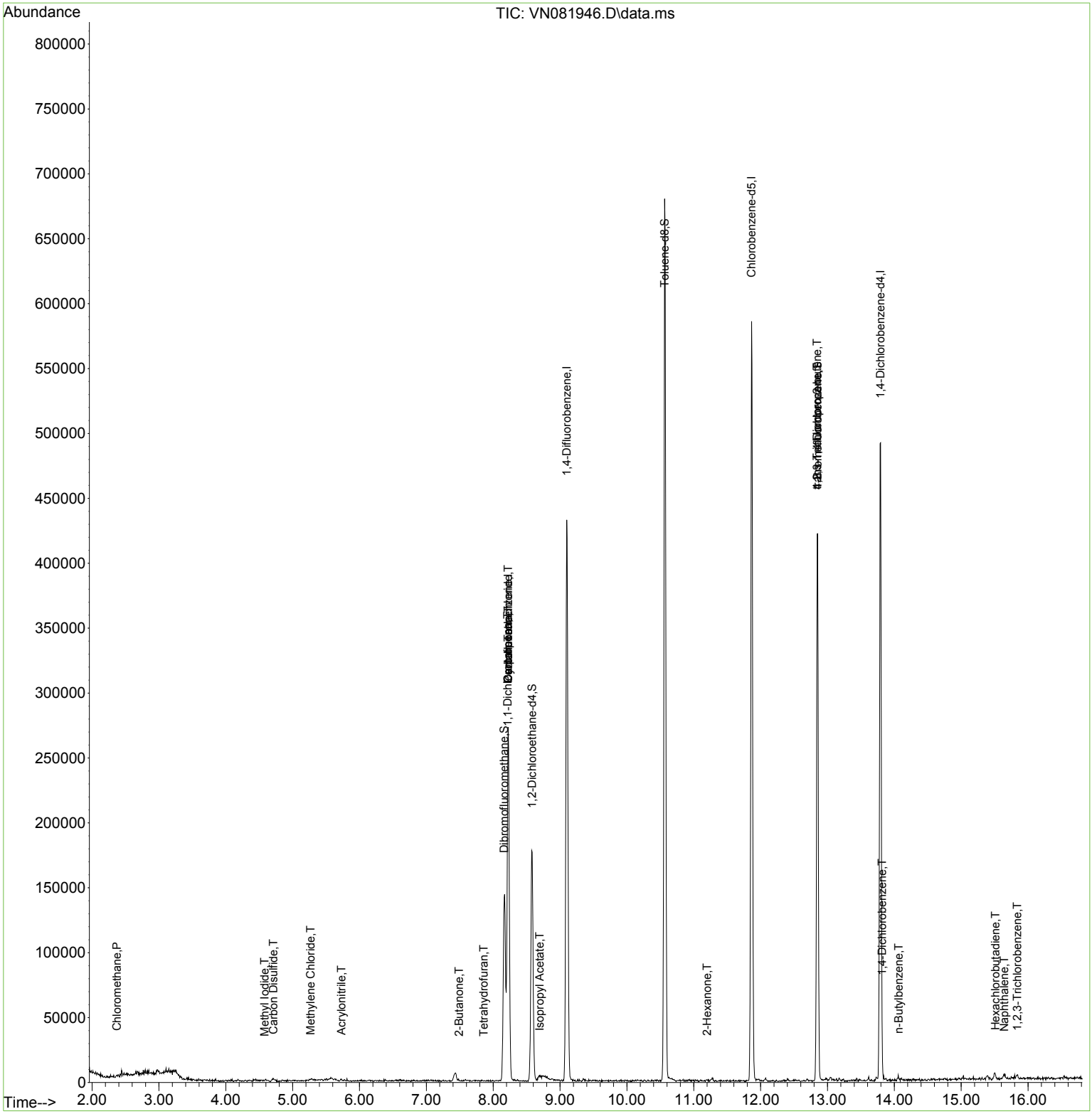
(#) = qualifier out of range (m) = manual integration (+) = signals summed

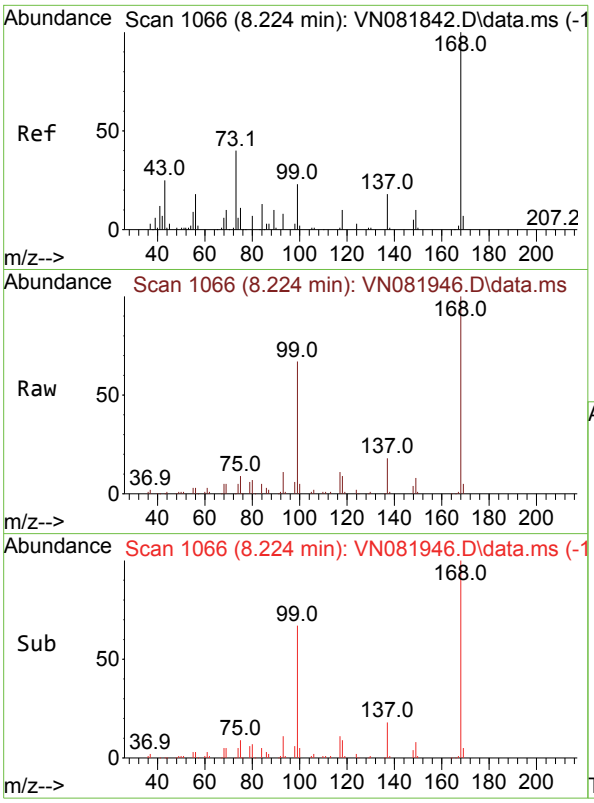
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
Data File : VN081946.D
Acq On : 01 May 2024 10:51
Operator : JC\MD
Sample : VN0501MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**

Quant Time: May 02 01:27:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration



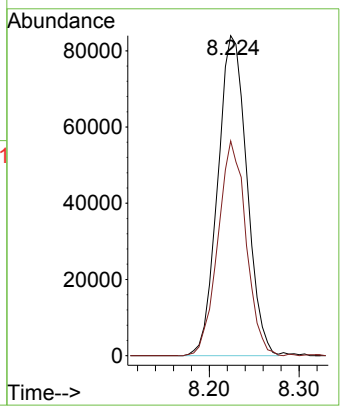


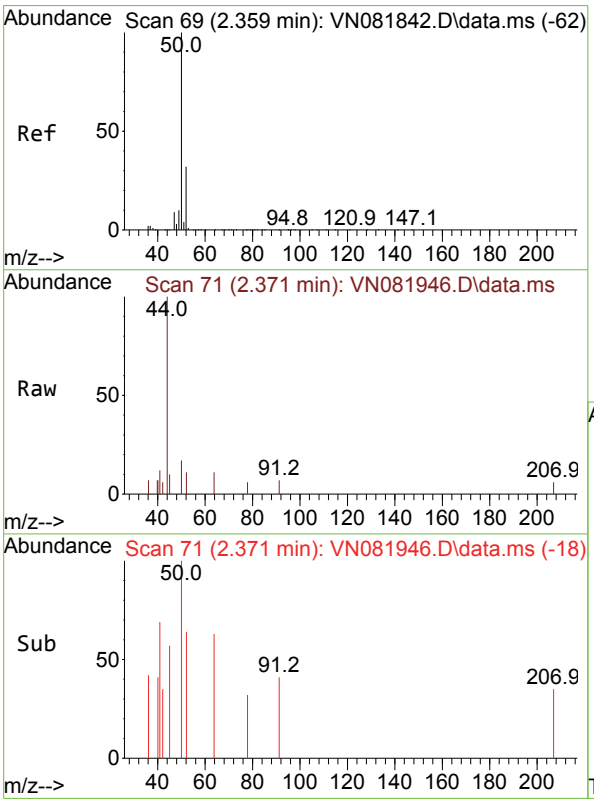

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:168 Resp: 188892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.1 | 48.2 | 72.4 |

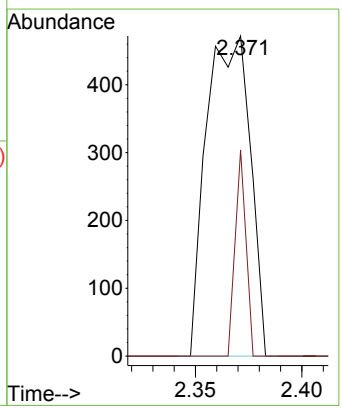


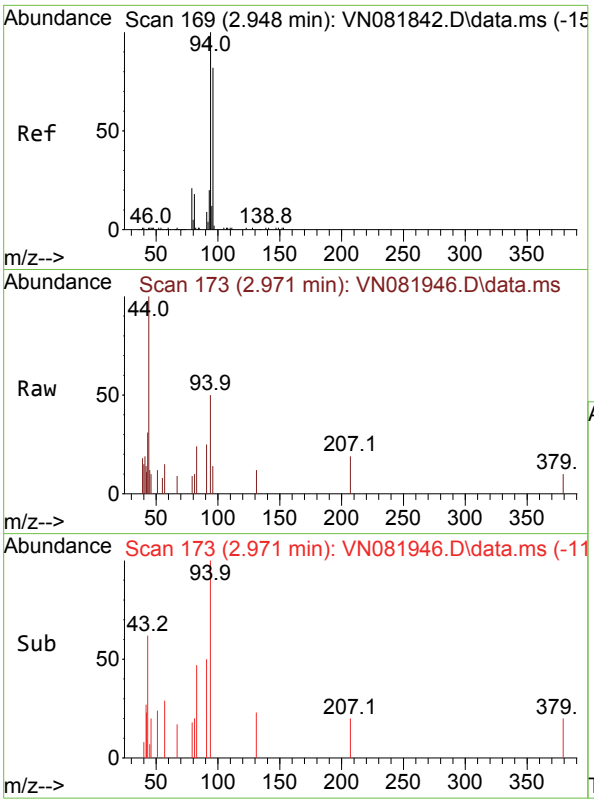




#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 50 Resp: 675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 64.4 | 25.5 | 38.3# |



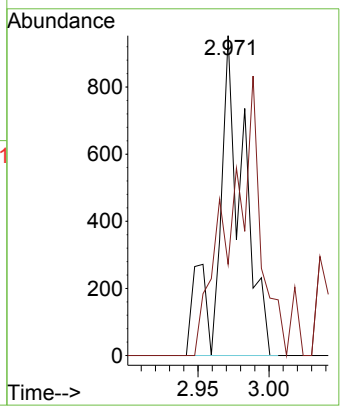


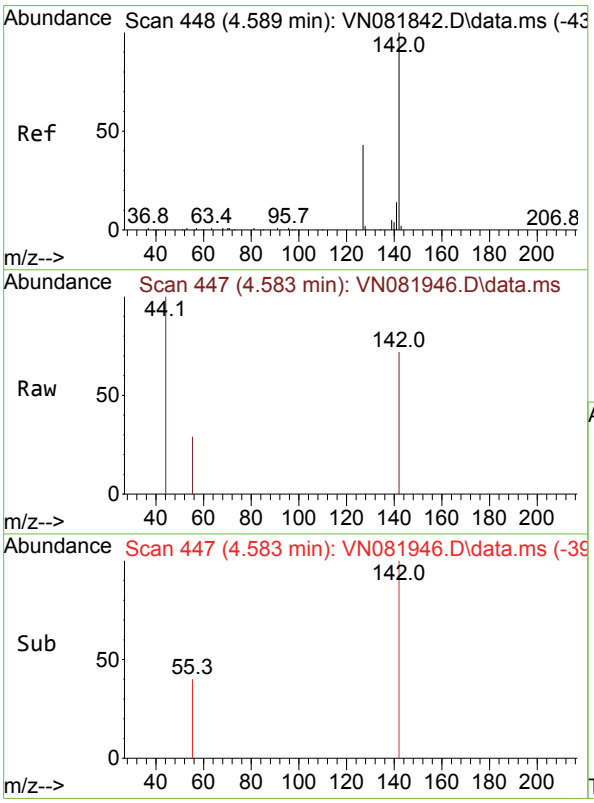

#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 1
Delta R.T. 0.023 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 94 Resp: 1182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 28.5 | 74.8 | 112.2# |

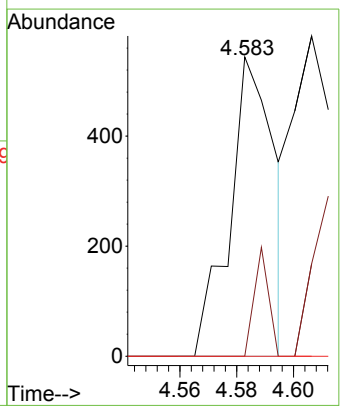


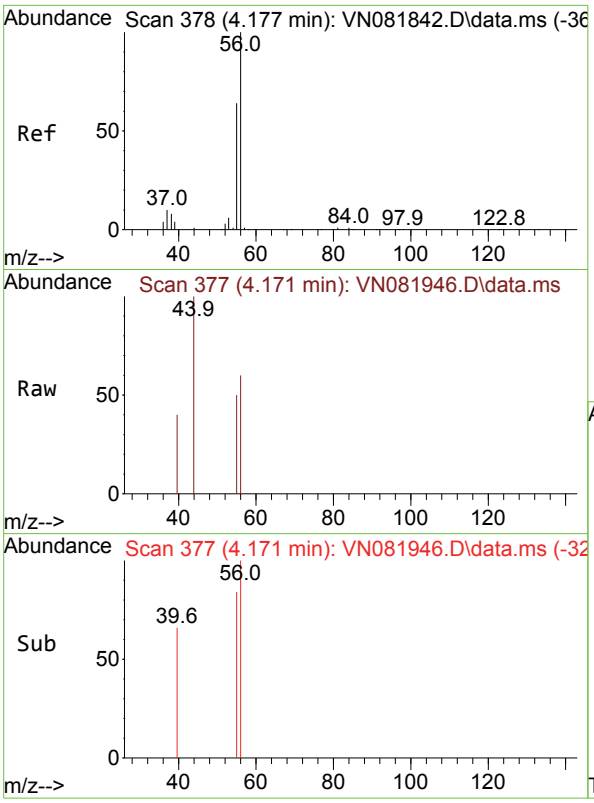




#10
Methyl Iodide
Concen: 0.303 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:142 Resp: 596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 35.8 | 53.6# |
| 141 | 0.0 | 11.4 | 17.2# |



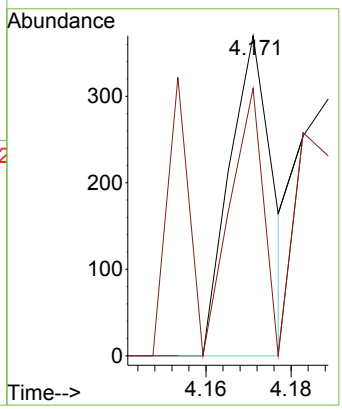


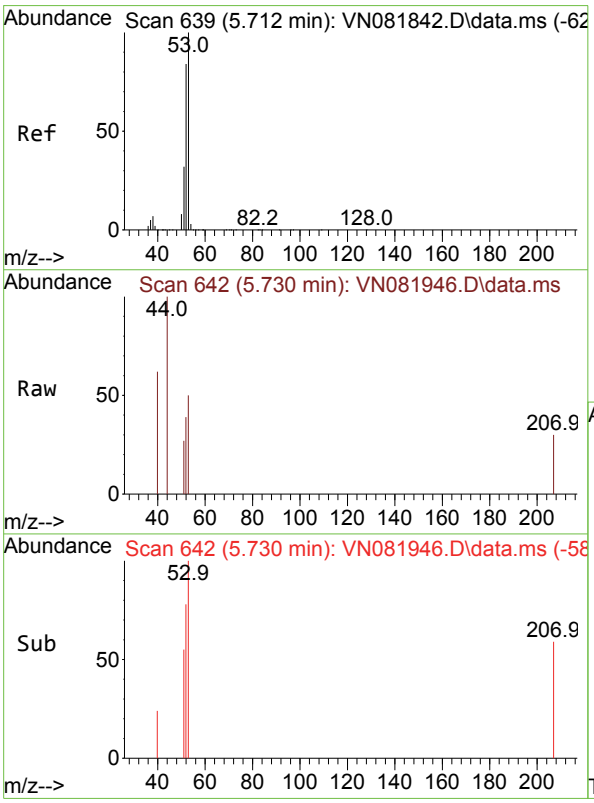

#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 56 Resp: 264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 63.6 | 55.8 | 83.8 |

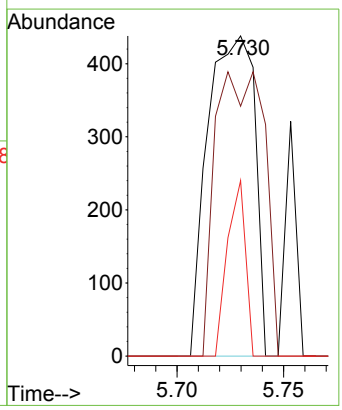


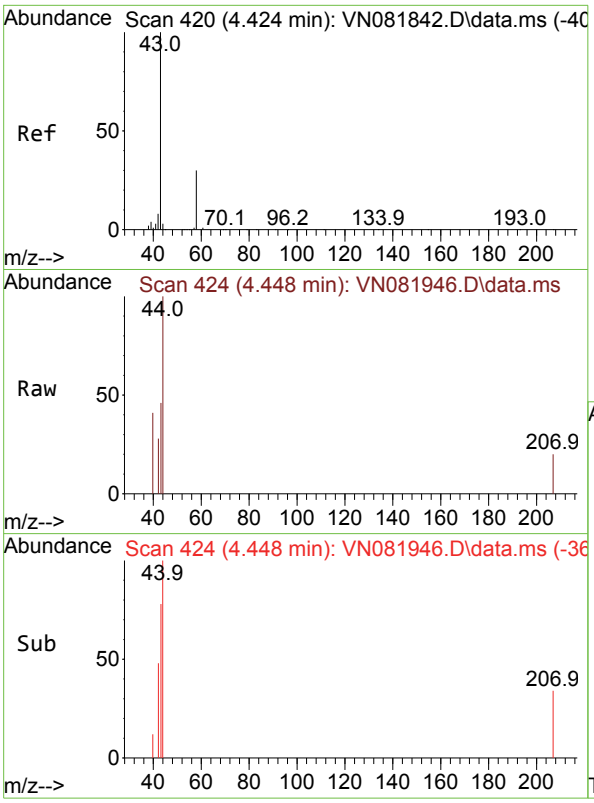




#15
Acrylonitrile
Concen: 0.483 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.018 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 53 Resp: 672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 92.7 | 66.1 | 99.1 |
| 51 | 21.1 | 29.4 | 44.2# |



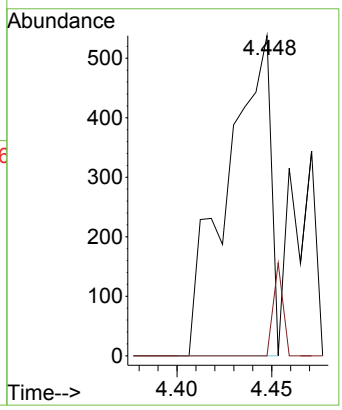


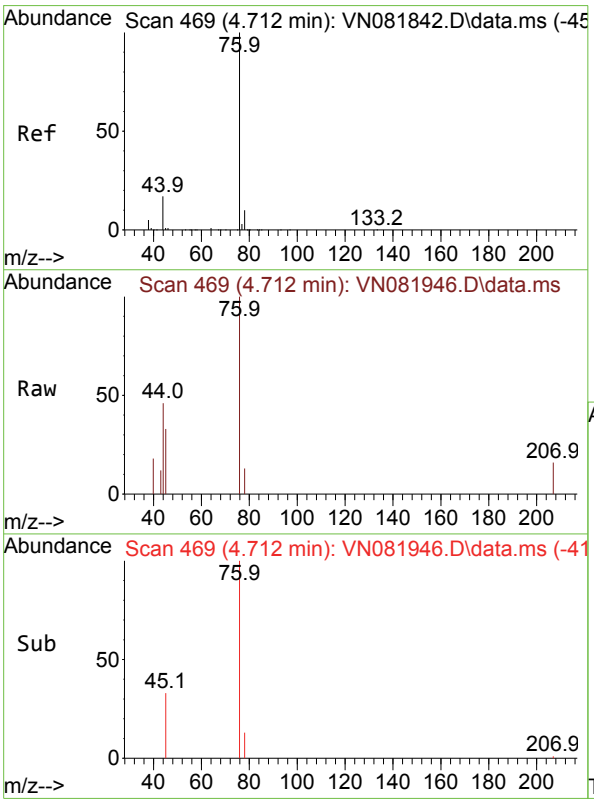

#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 4
Delta R.T. 0.024 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 25.2 | 37.8# |

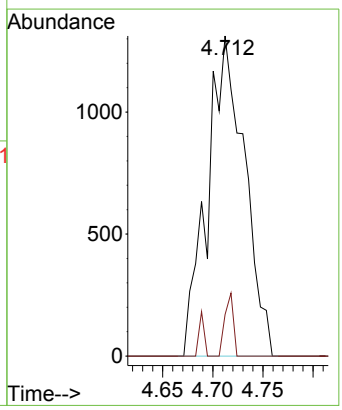


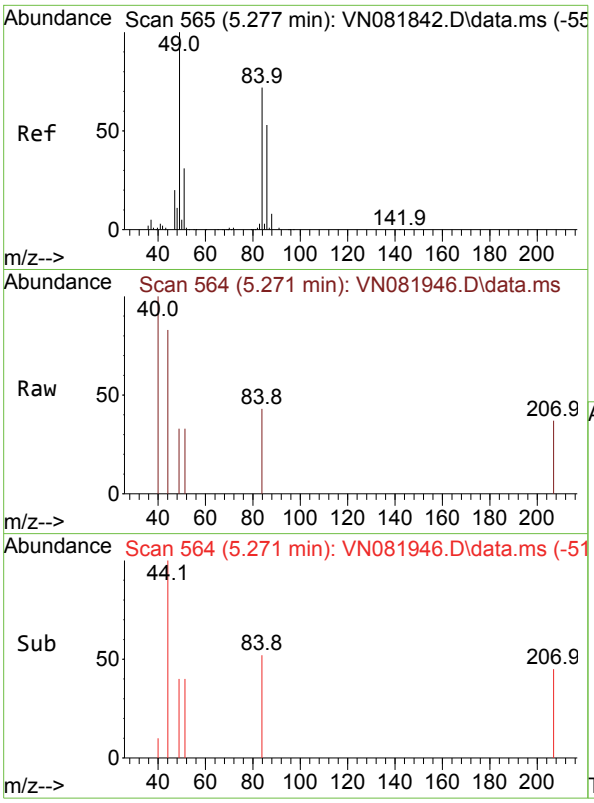




#17
Carbon Disulfide
Concen: 0.491 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 76 Resp: 3379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 13.0 | 7.5 | 11.3# |



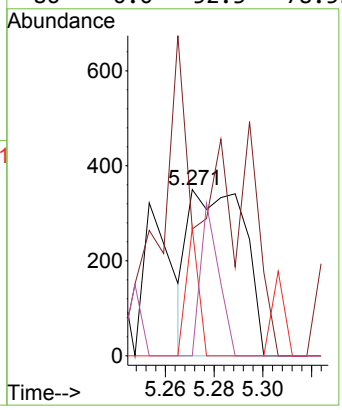


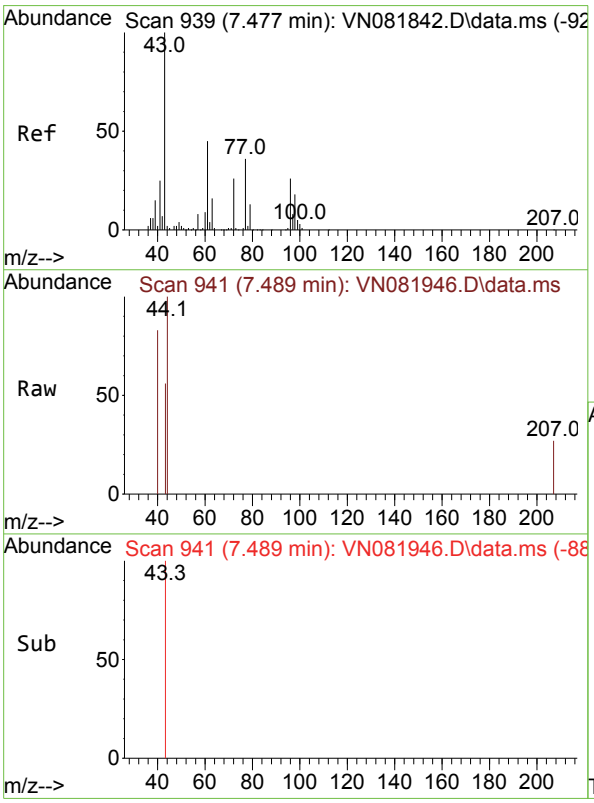

#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 5.271 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 84 Resp: 556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 76.3 | 84.9 | 127.3# |
| 51 | 76.9 | 27.0 | 40.6# |
| 86 | 0.0 | 52.3 | 78.5# |

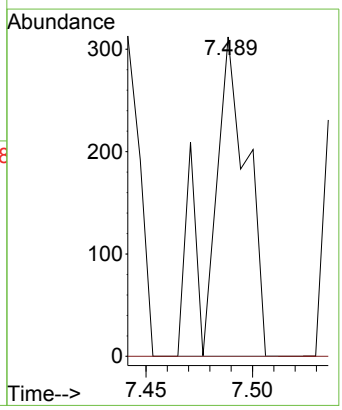


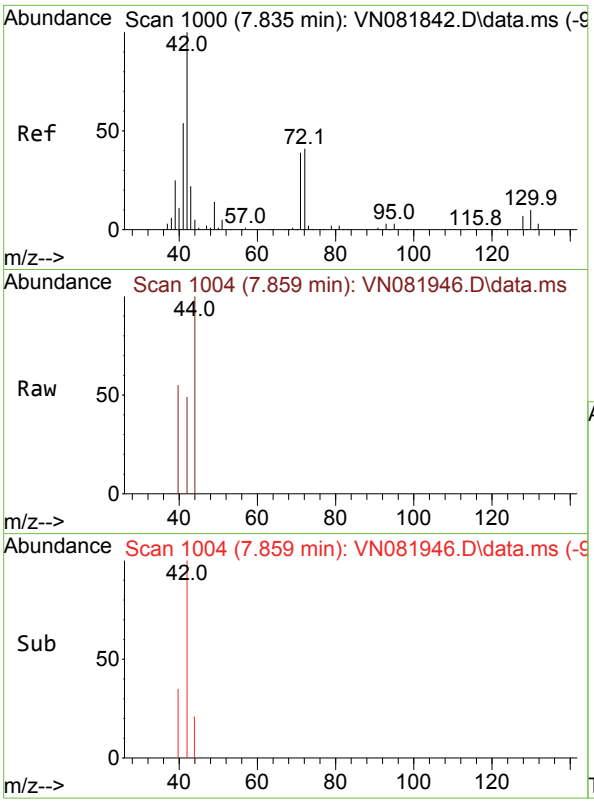




#25
2-Butanone
Concen: 0.207 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 43 Resp: 374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 25.3 | 37.9# |



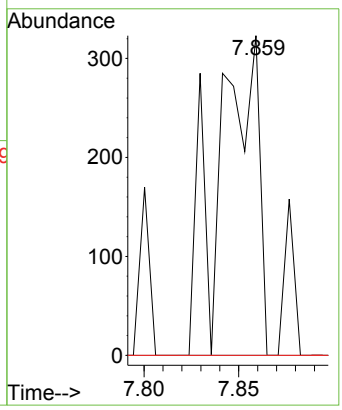


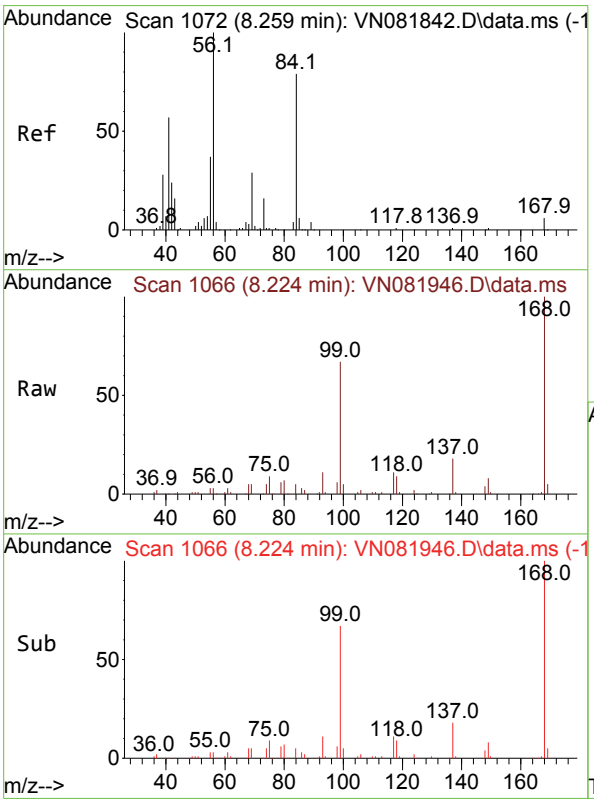

#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.859 min Scan# 1
Delta R.T. 0.024 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 42 Resp: 484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 39.3 | 58.9# |
| 71 | 0.0 | 37.4 | 56.0# |

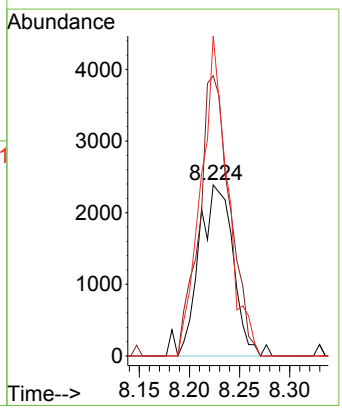


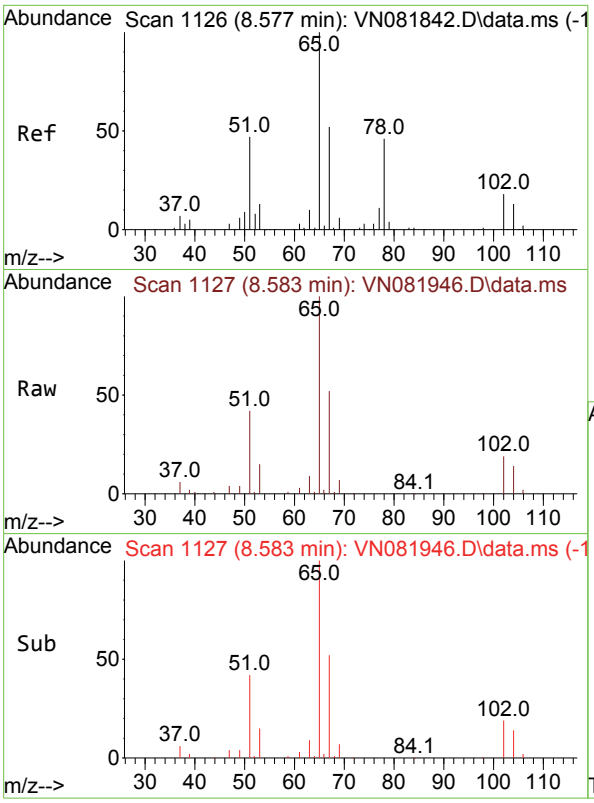




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 56 Resp: 5593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 163.8 | 24.4 | 36.6# |
| 84 | 187.1 | 77.0 | 115.4# |



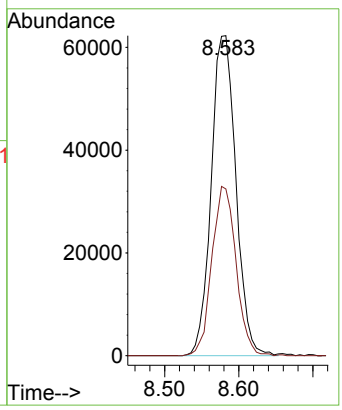


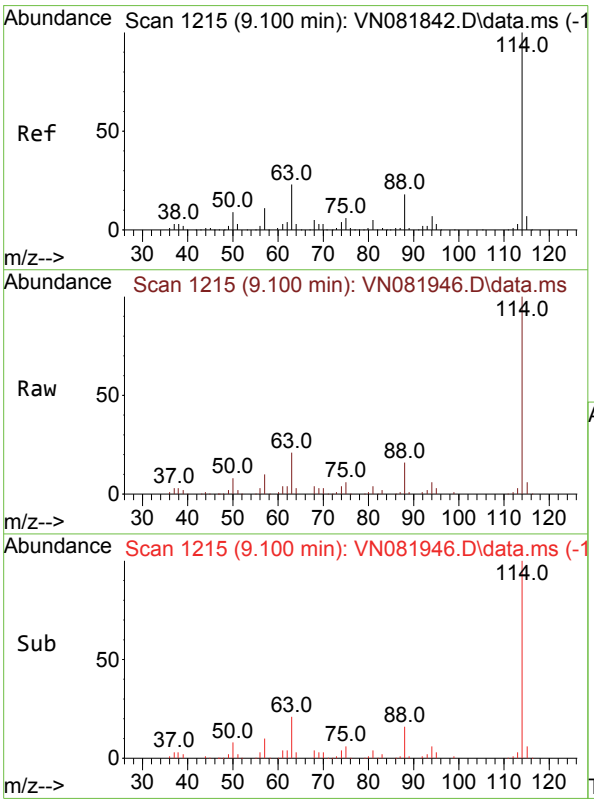

#33
1,2-Dichloroethane-d4
Concen: 45.246 ug/l
RT: 8.583 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 65 Resp: 144245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.0 |

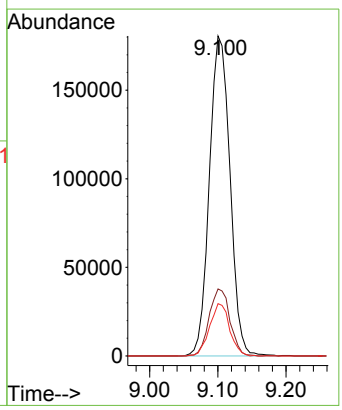


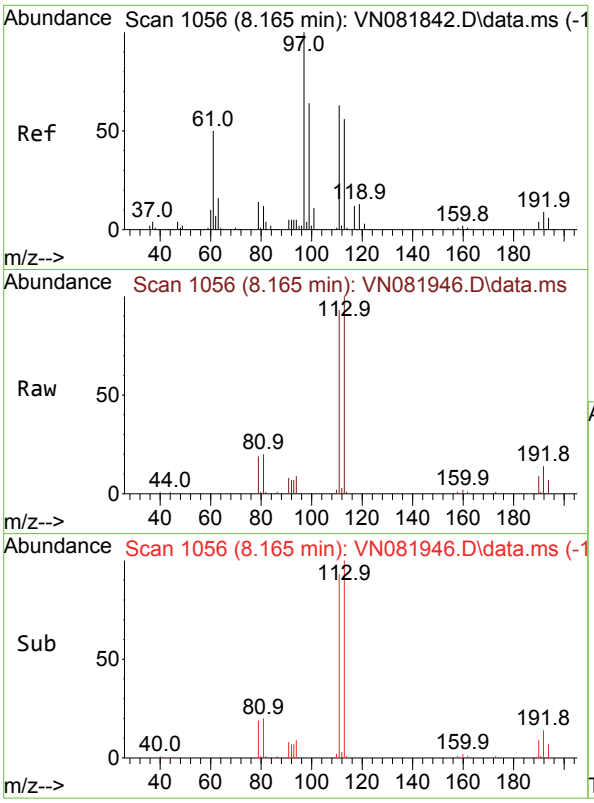




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:114 Resp: 379904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 41.0 |
| 88 | 16.3 | 0.0 | 31.4 |



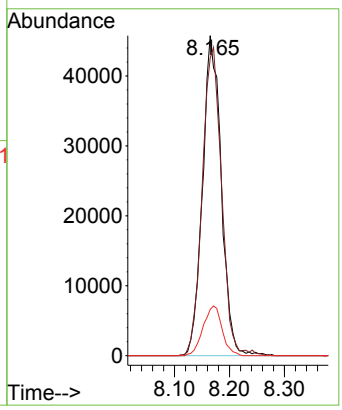


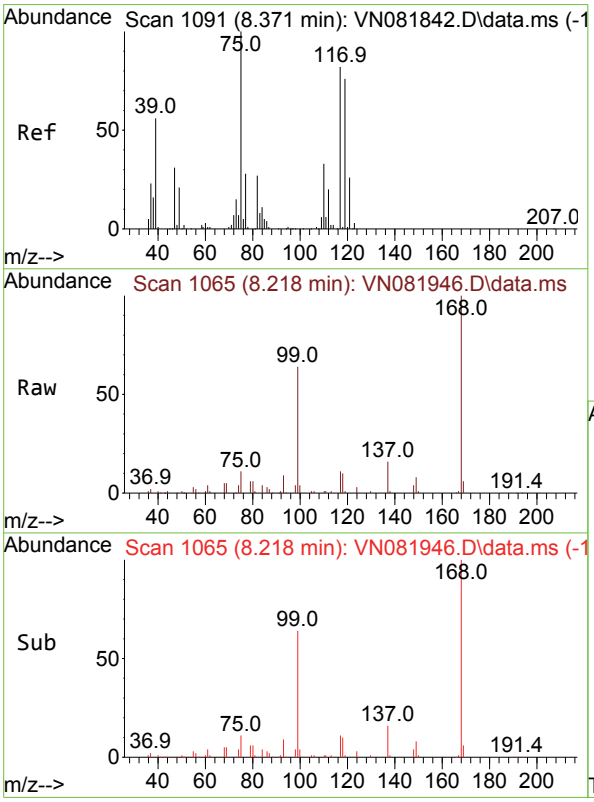

#35
Dibromofluoromethane
Concen: 47.361 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:113 Resp: 108330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.5 | 83.4 | 125.2 |
| 192 | 15.8 | 14.0 | 21.0 |

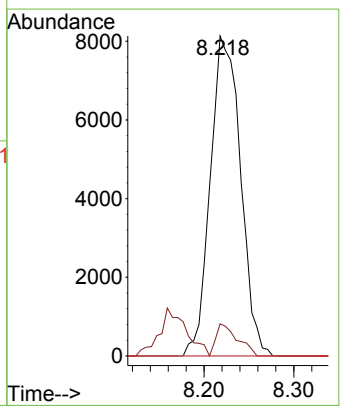


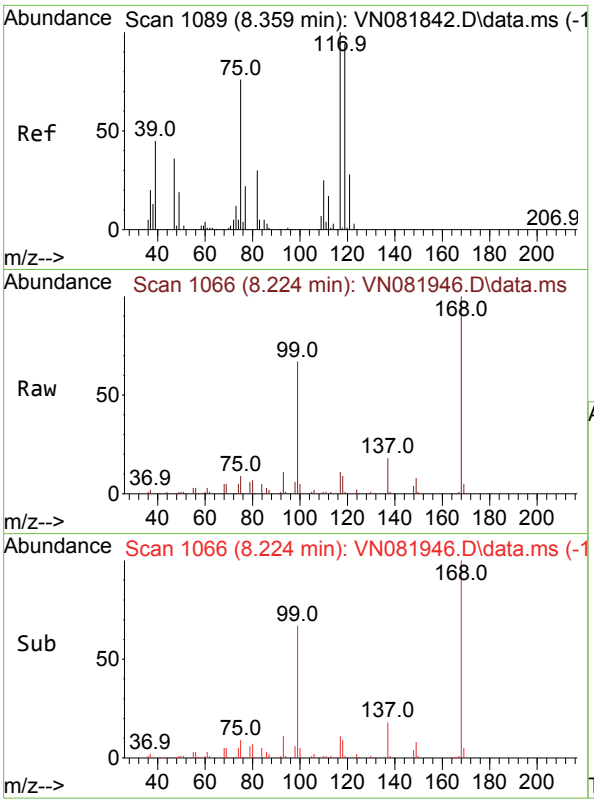




#36
1,1-Dichloropropene
Concen: 5.109 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 75 Resp: 19012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.1 | 17.8 | 53.5# |
| 77 | 0.0 | 25.0 | 37.4# |



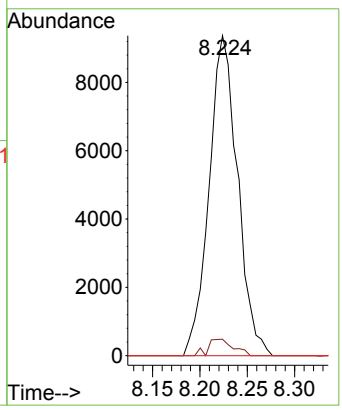


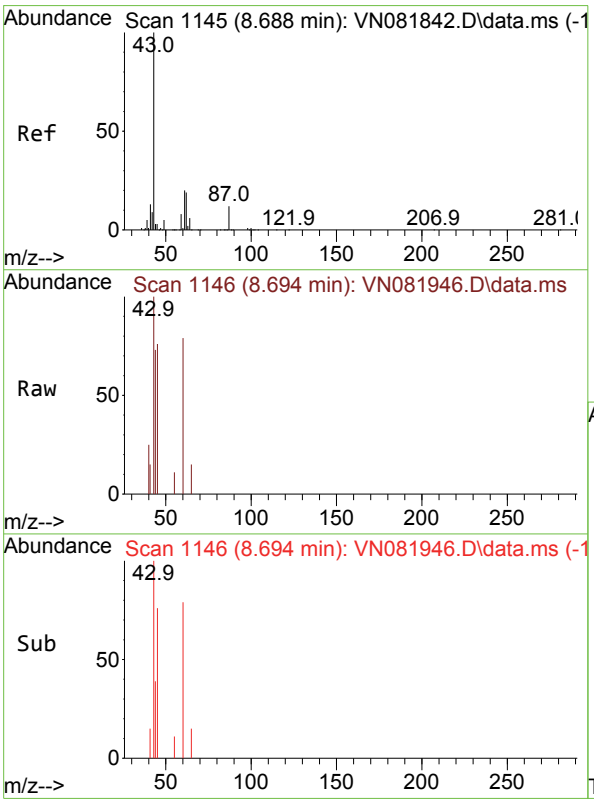

#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.135 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:117 Resp: 19609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 76.5 | 114.7# |
| 121 | 0.0 | 23.9 | 35.9# |

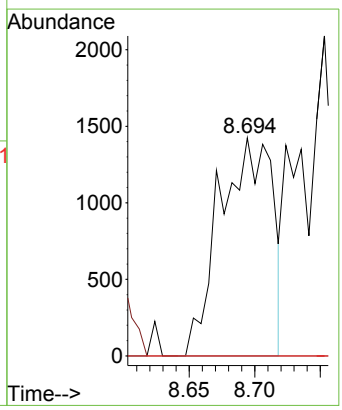


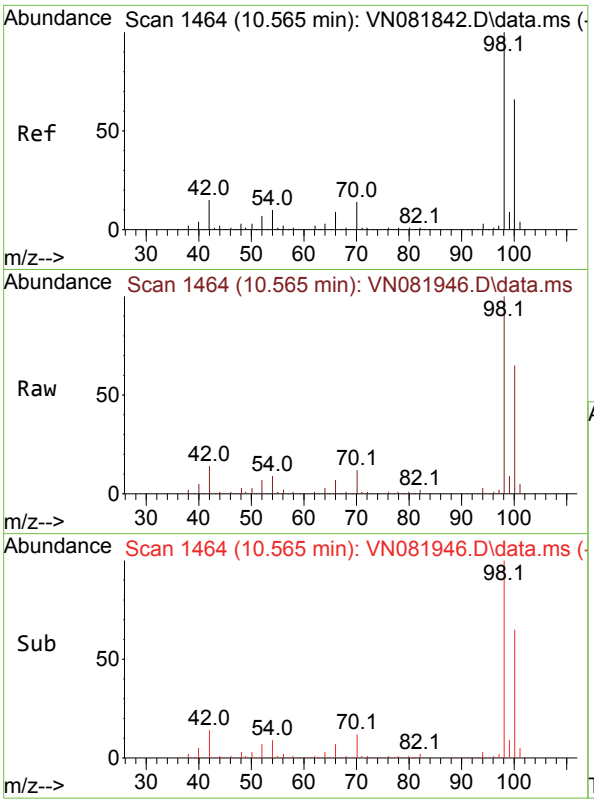




#43
Isopropyl Acetate
Concen: 0.524 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 43 Resp: 3961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 22.8 | 34.2# |
| 87 | 0.0 | 12.0 | 18.0# |



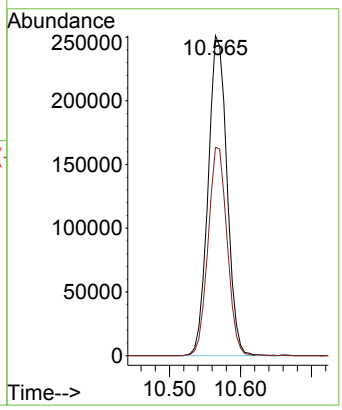


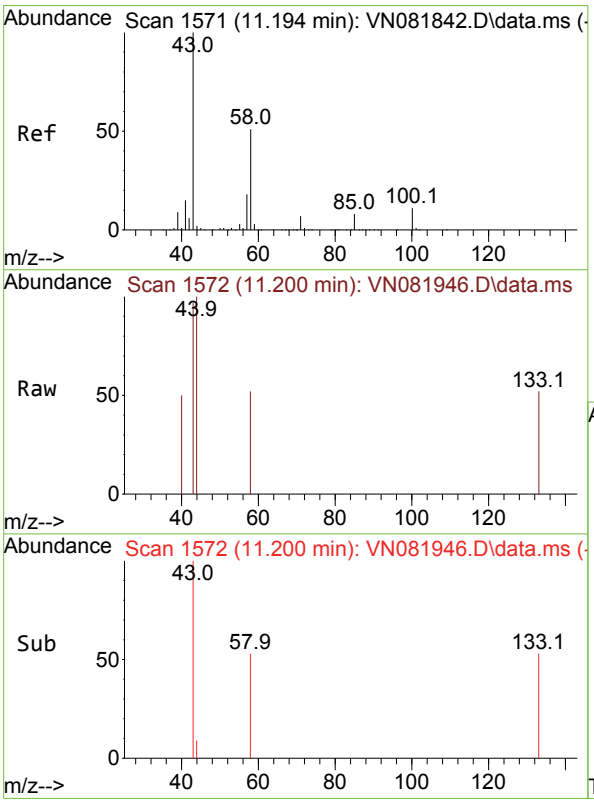

#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 98 Resp: 462521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 51.8 | 77.6 |

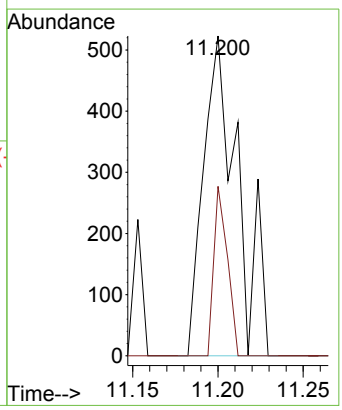


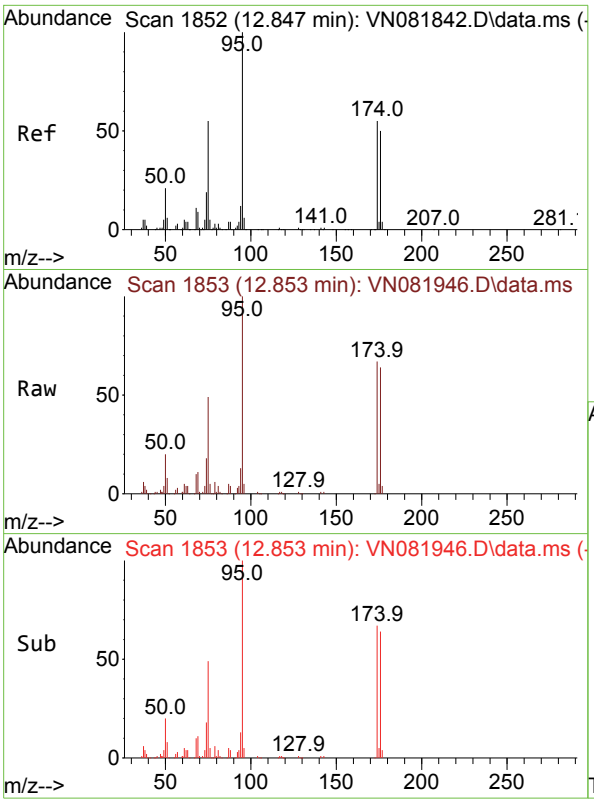




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 43 Resp: 733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.9 | 28.3 | 84.9# |



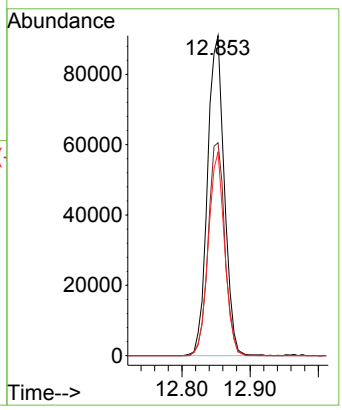


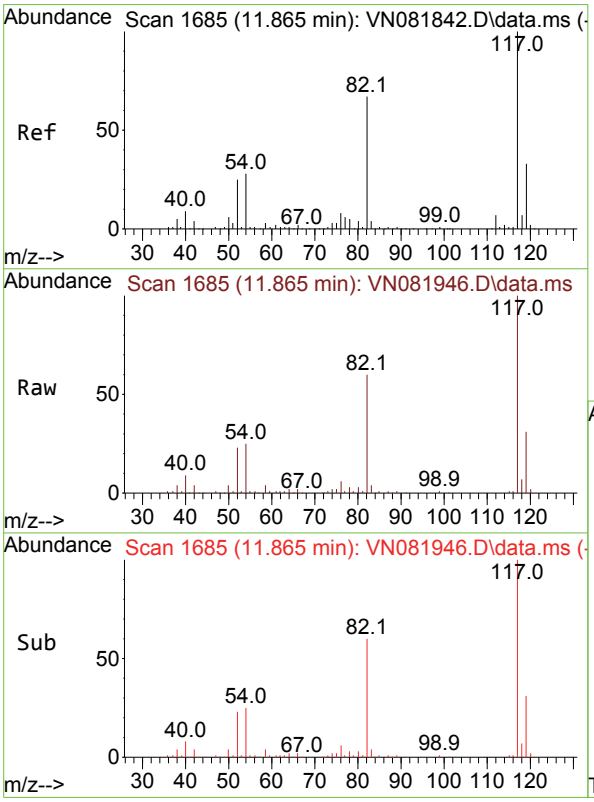

#62
4-Bromofluorobenzene
Concen: 43.916 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 95 Resp: 155954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.1 | 0.0 | 160.6 |
| 176 | 61.6 | 0.0 | 152.8 |

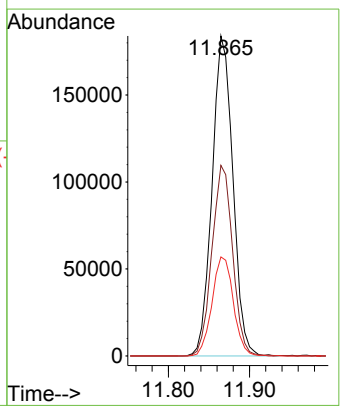


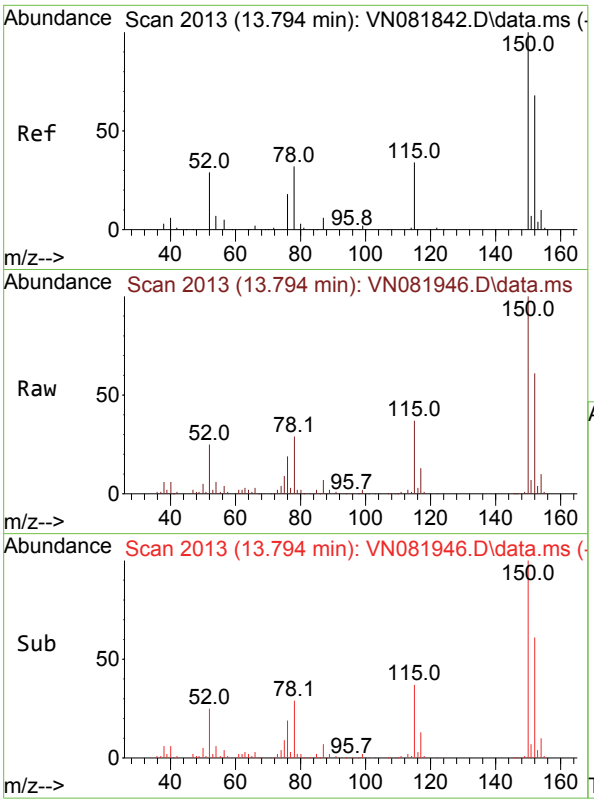




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:117 Resp: 327096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.6 | 44.6 | 66.8 |
| 119 | 31.0 | 25.9 | 38.9 |



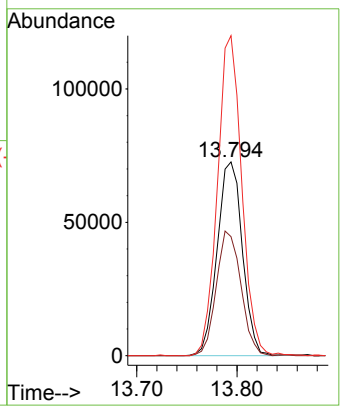


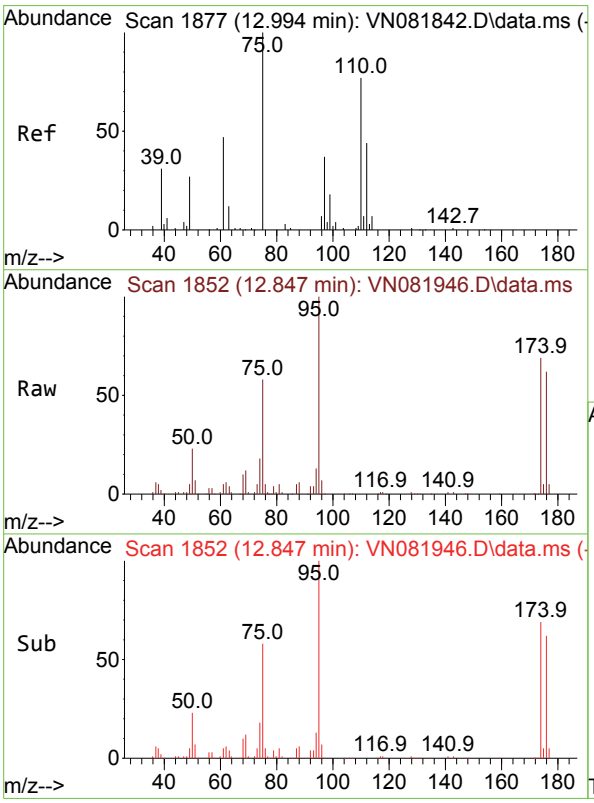

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:152 Resp: 126968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.8 | 30.4 | 91.3 |
| 150 | 158.9 | 0.0 | 353.2 |

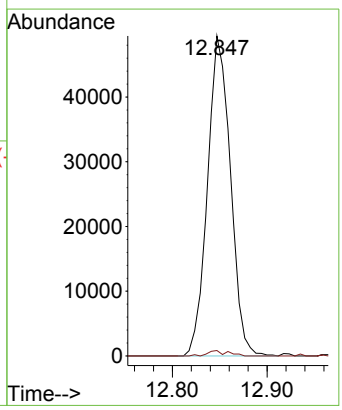


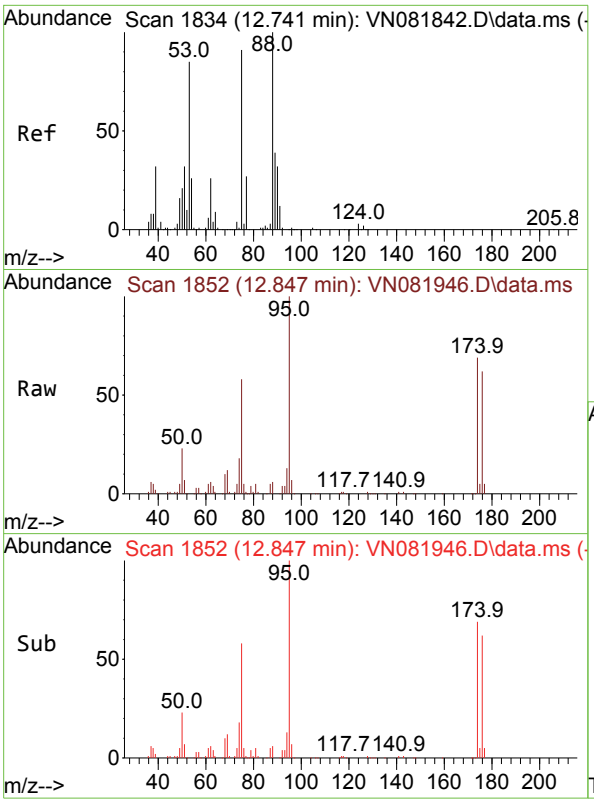




#76
1,2,3-Trichloropropane
Concen: 25.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion: 75 Resp: 83546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 90.5 | 271.3# |



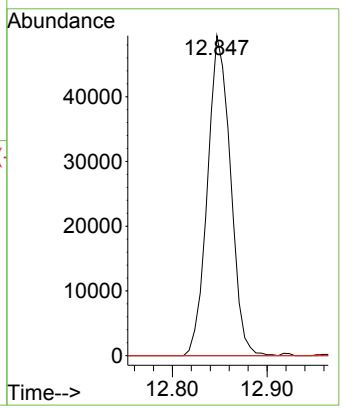


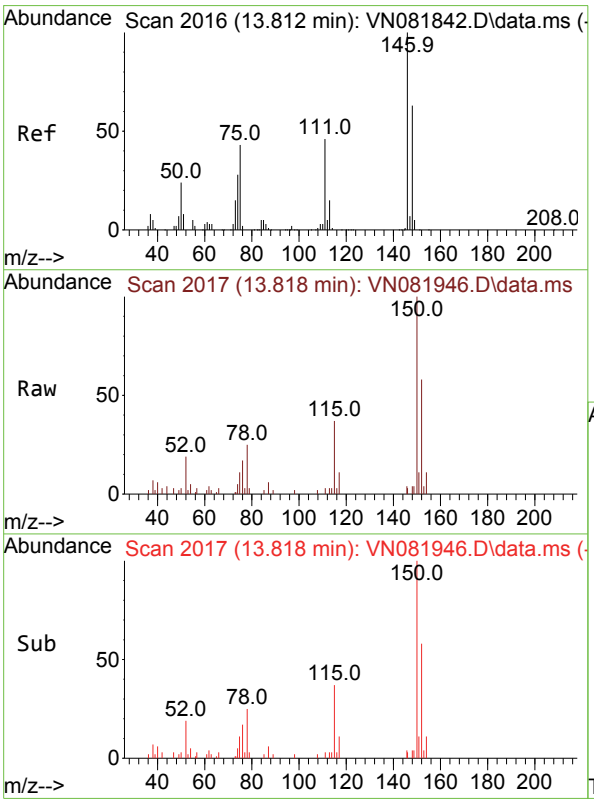

#81
trans-1,4-Dichloro-2-butene
Concen: 52.004 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.106 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 75 Resp: 83546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 72.9 | 109.3# |
| 89 | 0.0 | 39.1 | 58.7# |

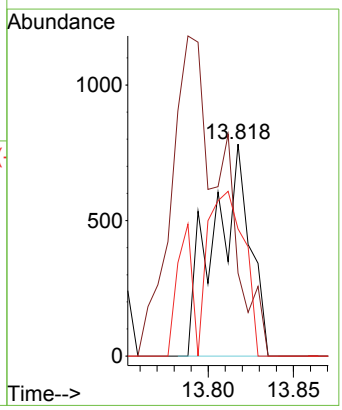


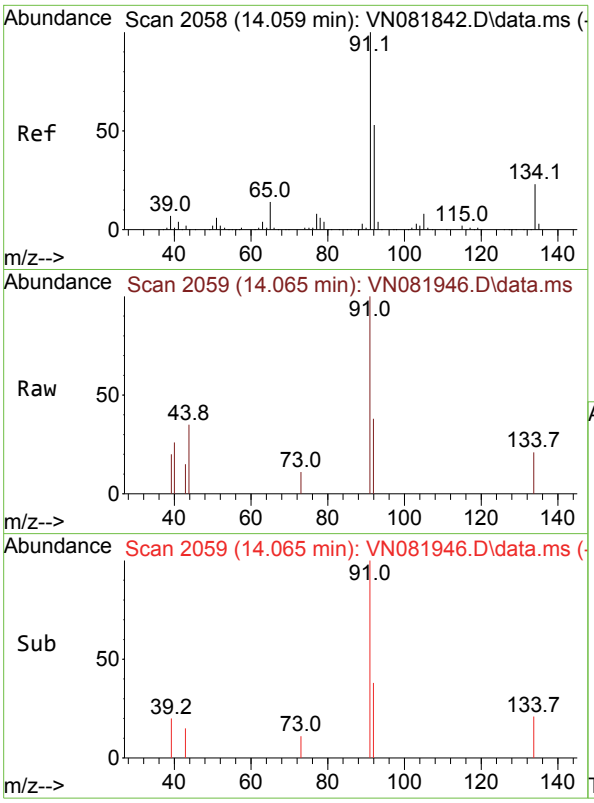




#88
1,4-Dichlorobenzene
Concen: 0.267 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:146 Resp: 1161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 19.3 | 57.9# |
| 148 | 77.6 | 31.3 | 93.9 |



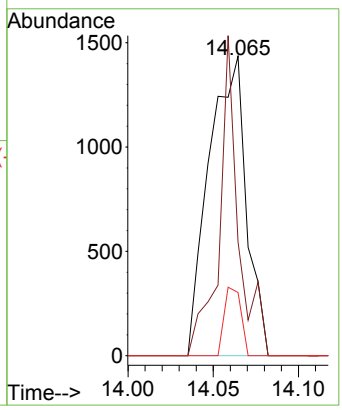


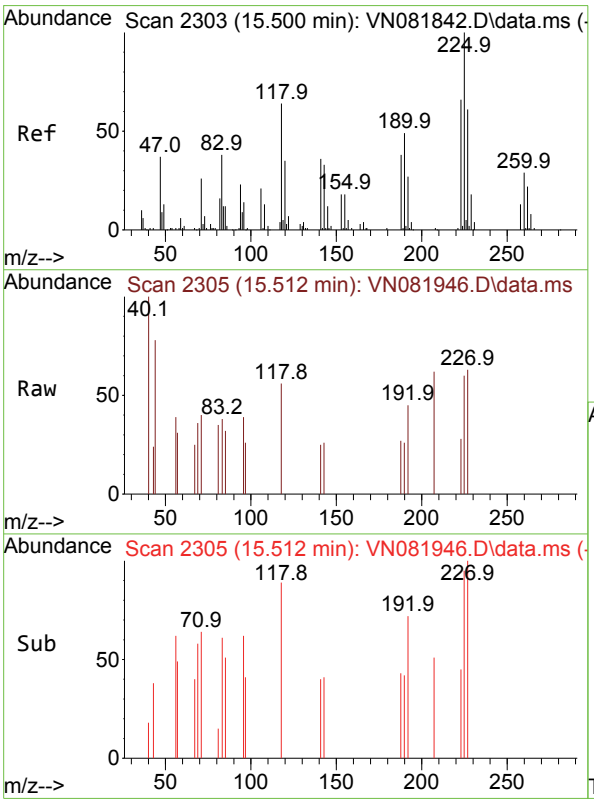

#89
n-Butylbenzene
Concen: 0.262 ug/l
RT: 14.065 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 91 Resp: 2190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.8 | 26.2 | 78.5 |
| 134 | 10.2 | 13.2 | 39.5# |

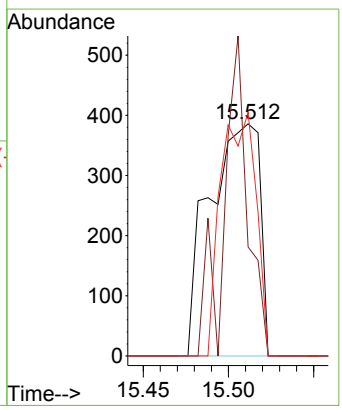


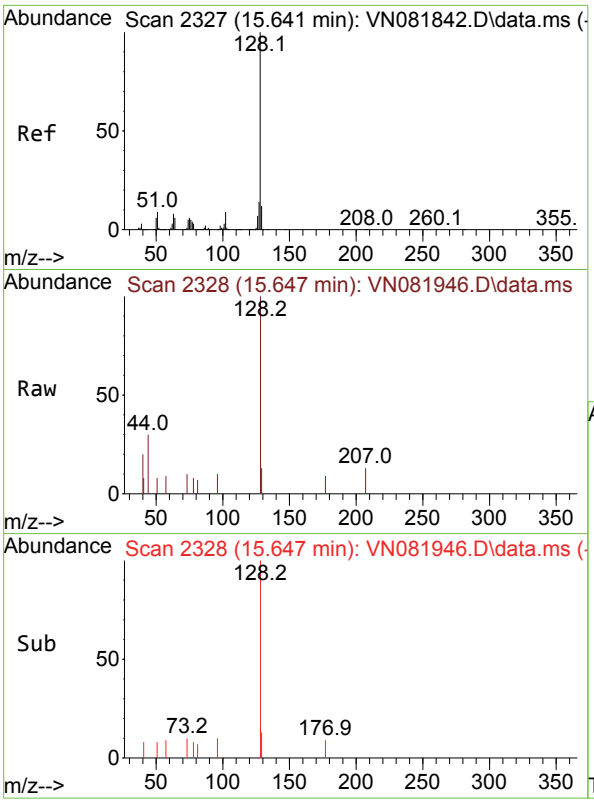




#94
Hexachlorobutadiene
Concen: 0.915 ug/l
RT: 15.512 min Scan# 2305
Delta R.T. 0.012 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:225 Resp: 797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.9 | 31.1 | 93.2 |
| 227 | 72.6 | 30.6 | 91.6 |



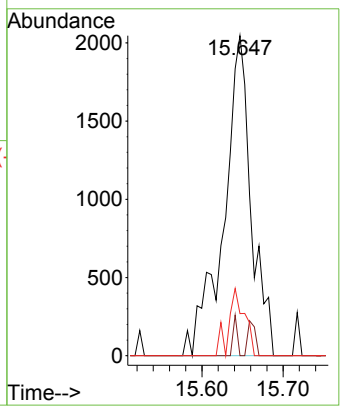


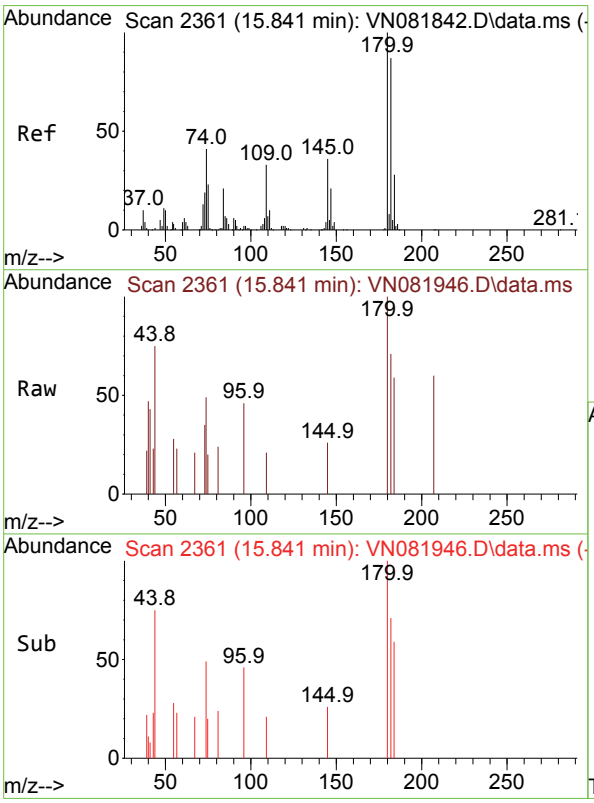

#95
Naphthalene
Concen: 0.538 ug/l
RT: 15.647 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:128 Resp: 4808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 1.9 | 10.1 | 15.1# |
| 129 | 12.2 | 8.9 | 13.3 |




#96
1,2,3-Trichlorobenzene
Concen: 0.735 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN081946.D
Acq: 01 May 2024 10:51

Tgt Ion:180 Resp: 1668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 54.6 | 46.0 | 137.8 |
| 145 | 3.4 | 17.1 | 51.3# |