Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD021720\
Data File : VD065205.D
Acq On : 17 Feb 2020 19:11
Operator : VA/SY
Sample : L1551-02
Misc : 6.70G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Quant Time: Feb 18 03:17:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 1189 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.87 | 114 | 1612 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.65 | 117 | 1251 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.59 | 152 | 958 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.34 | 65 | 226 | 22.36 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 44.72% | | | |
| 35) Dibromofluoromethane | 7.92 | 113 | 205 | 22.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 45.58% | | | |
| 50) Toluene-d8 | 10.34 | 98 | 1941 | 54.22 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.44% | | | |
| 62) 4-Bromofluorobenzene | 12.64 | 95 | 630 | 55.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.08% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.99 | 85 | 121 | 12.229 | ug/l # | 43 |
| 3) Chloromethane | 2.21 | 50 | 251 | 21.550 | ug/l # | 40 |
| 5) Bromomethane | 2.90 | 94 | 62 | 7.763 | ug/l # | 3 |
| 6) Chloroethane | 2.81 | 64 | 64 | 8.376 | ug/l # | 44 |
| 8) Diethyl Ether | 3.69 | 74 | 74 | 14.380 | ug/l # | 1 |
| 11) Tert butyl alcohol | 5.25 | 59 | 1538 | 2490.960 | ug/l # | 71 |
| 12) 1,1-Dichloroethene | 4.02 | 96 | 60 | 5.717 | ug/l # | 1 |
| 13) Acrolein | 3.68 | 56 | 60 | 79.007 | ug/l # | 13 |
| 14) Allyl chloride | 4.73 | 41 | 205 | 11.752 | ug/l # | 22 |
| 16) Acetone | 4.17 | 43 | 11503 | 4552.854 | ug/l | 97 |
| 18) Methyl Acetate | 4.83 | 43 | 73 | 13.829 | ug/l # | 52 |
| 19) Methyl tert-butyl Ether | 5.51 | 73 | 56 | 2.413 | ug/l # | 55 |
| 20) Methylene Chloride | 4.96 | 84 | 2106 | 201.225 | ug/l # | 84 |
| 21) trans-1,2-Dichloroethene | 5.54 | 96 | 58 | 4.884 | ug/l # | 1 |
| 25) 2-Butanone | 7.23 | 43 | 86 | 28.535 | ug/l # | 50 |
| 29) Tetrahydrofuran | 7.57 | 42 | 185 | 101.506 | ug/l # | 34 |
| 30) Chloroform | 7.72 | 83 | 269 | 13.565 | ug/l # | 45 |
| 31) Cyclohexane | 7.99 | 56 | 182 | 9.053 | ug/l # | 67 |
| 37) Ethyl Acetate | 7.28 | 43 | 75 | 12.248 | ug/l # | 69 |
| 40) Benzene | 8.35 | 78 | 777 | 18.772 | ug/l # | 51 |
| 41) Methacrylonitrile | 7.58 | 41 | 442 | 131.016 | ug/l # | 26 |
| 43) Isopropyl Acetate | 8.36 | 43 | 72 | 6.146 | ug/l # | 52 |
| 48) Methyl methacrylate | 9.43 | 41 | 57 | 10.112 | ug/l # | 13 |
| 51) 4-Methyl-2-Pentanone | 10.11 | 43 | 470 | 81.515 | ug/l # | 37 |
| 52) Toluene | 10.41 | 92 | 1048 | 39.670 | ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 10.73 | 97 | 84 | 11.743 | ug/l # | 17 |
| 59) 2-Hexanone | 10.99 | 43 | 214 | 52.399 | ug/l # | 26 |
| 60) Dibromochloromethane | 10.90 | 129 | 55 | 5.936 | ug/l # | 11 |
| 64) Tetrachloroethene | 10.88 | 164 | 122 | 13.572 | ug/l # | 63 |
| 67) Ethyl Benzene | 11.75 | 91 | 594 | 13.512 | ug/l # | 43 |
| 68) m/p-Xylenes | 11.86 | 106 | 478 | 28.489 | ug/l | 83 |
| 69) o-Xylene | 12.18 | 106 | 116 | 7.677 | ug/l # | 1 |
| 70) Styrene | 12.18 | 104 | 241 | 9.177 | ug/l # | 44 |
| 73) Isopropylbenzene | 12.48 | 105 | 124 | 1.886 | ug/l # | 48 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD021720\
Data File : VD065205.D
Acq On : 17 Feb 2020 19:11
Operator : VA/SY
Sample : L1551-02
Misc : 6.70G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Quant Time: Feb 18 03:17:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 74) N-amyl acetate | 12.41 | 43 | 69 | 4.828 | ug/l | # | 5 |
| 76) 1,2,3-Trichloropropane | 12.64 | 75 | 266 | 36.674 | ug/l | # | 100 |
| 78) n-propylbenzene | 12.83 | 91 | 508 | 6.597 | ug/l | # | 52 |
| 79) 2-Chlorotoluene | 12.83 | 91 | 508 | 11.835 | ug/l | # | 40 |
| 80) 1,3,5-Trimethylbenzene | 12.97 | 105 | 1193 | 22.178 | ug/l | | 78 |
| 81) trans-1,4-Dichloro-2-buten | 12.47 | 75 | 1125 | 310.201 | ug/l | # | 15 |
| 82) 4-Chlorotoluene | 13.01 | 91 | 71 | 1.575 | ug/l | # | 40 |
| 83) tert-Butylbenzene | 13.24 | 119 | 59 | 1.271 | ug/l | # | 27 |
| 84) 1,2,4-Trimethylbenzene | 13.28 | 105 | 1063 | 19.905 | ug/l | # | 63 |
| 85) sec-Butylbenzene | 13.28 | 105 | 1063 | 16.770 | ug/l | # | 56 |
| 86) p-Isopropyltoluene | 13.53 | 119 | 730 | 12.395 | ug/l | # | 68 |
| 87) 1,3-Dichlorobenzene | 13.60 | 146 | 229 | 7.720 | ug/l | | 84 |
| 88) 1,4-Dichlorobenzene | 13.60 | 146 | 229 | 7.757 | ug/l | | 85 |
| 89) n-Butylbenzene | 13.84 | 91 | 83 | 1.527 | ug/l | # | 1 |
| 90) Hexachloroethane | 14.13 | 117 | 139 | 12.464 | ug/l | # | 7 |
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180 | 117 | 6.443 | ug/l | # | 62 |
| 95) Naphthalene | 15.41 | 128 | 3341 | 110.698 | ug/l | # | 83 |

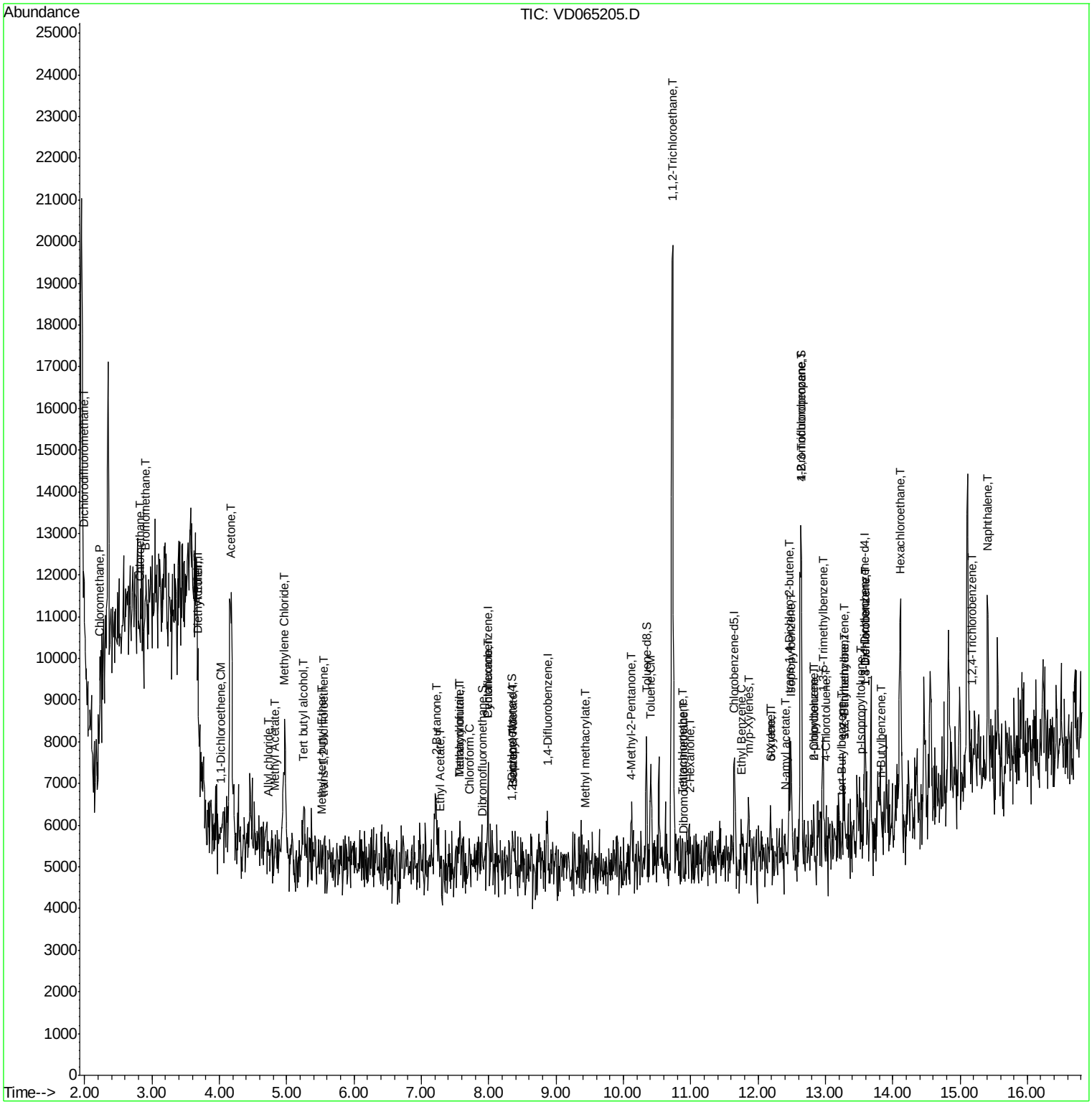
(#) = qualifier out of range (m) = manual integration (+) = signals summed

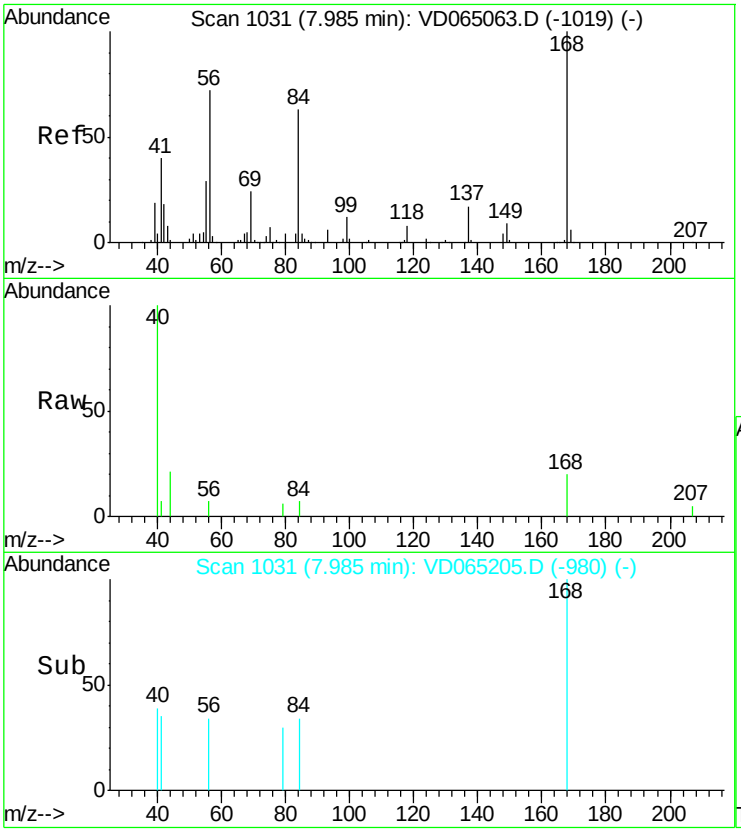
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD021720\
Data File : VD065205.D
Acq On : 17 Feb 2020 19:11
Operator : VA/SY
Sample : L1551-02
Misc : 6.70G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Quant Time: Feb 18 03:17:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration



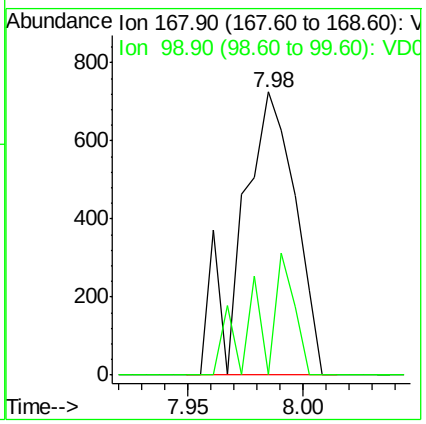


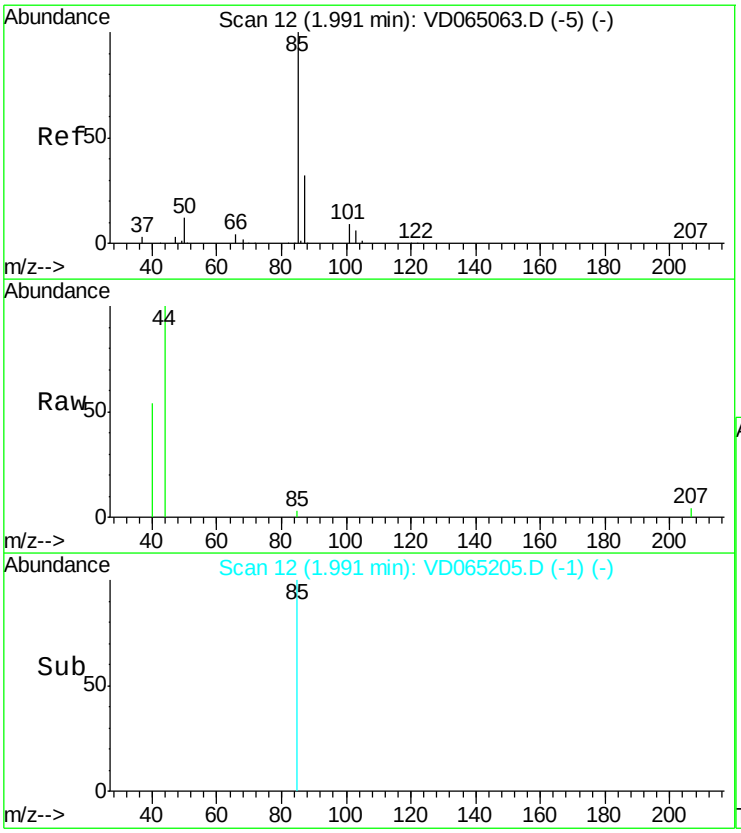

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:168 Resp: 1189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 0.0 | 41.0 | 61.6# |

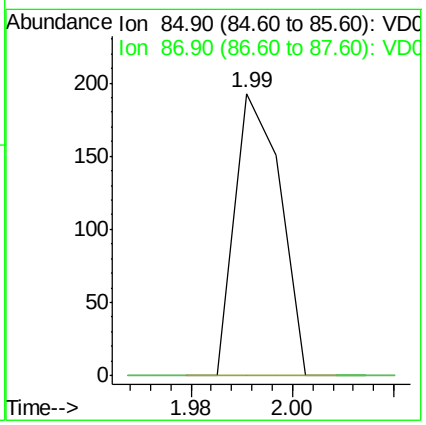


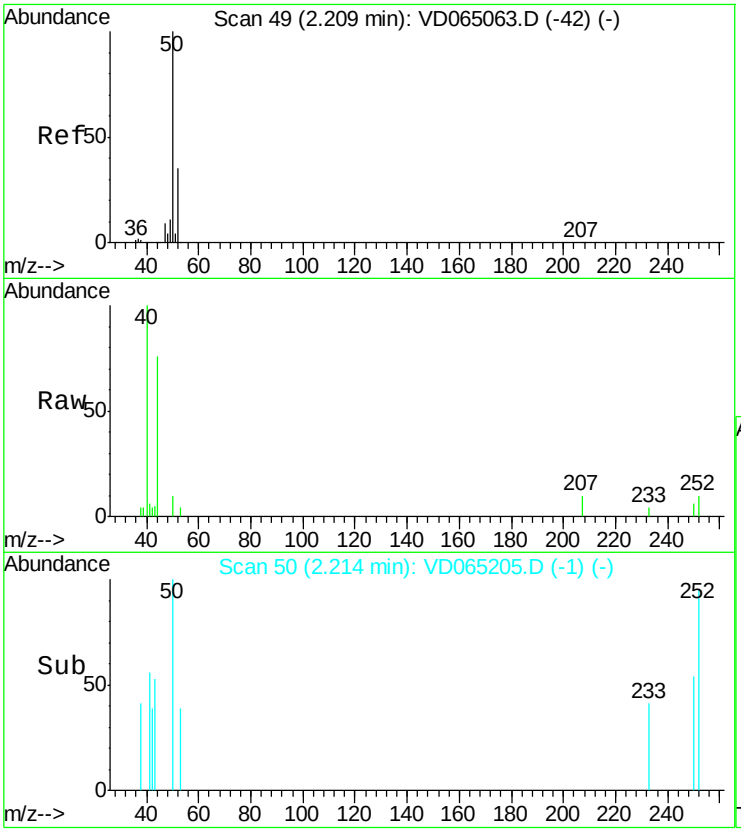




#2
Dichlorodifluoromethane
Concen: 12.229 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 85 Resp: 121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 15.8 | 47.3# |



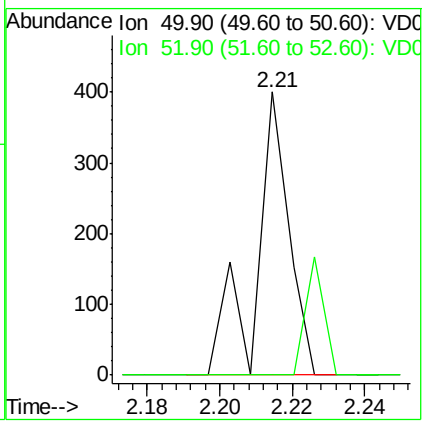


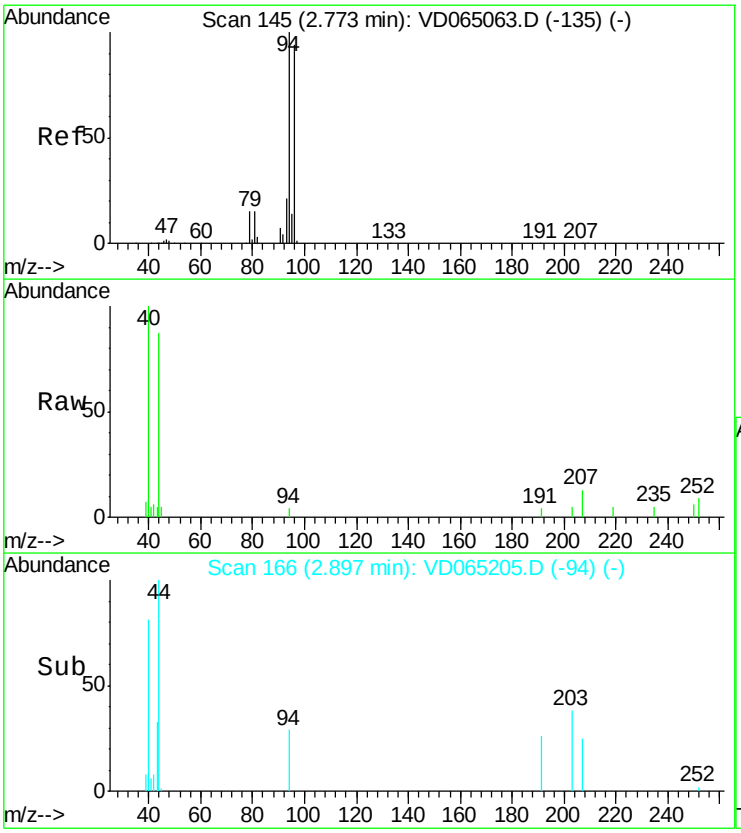

#3
Chloromethane
Concen: 21.550 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 50 Resp: 251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 27.8 | 41.6# |

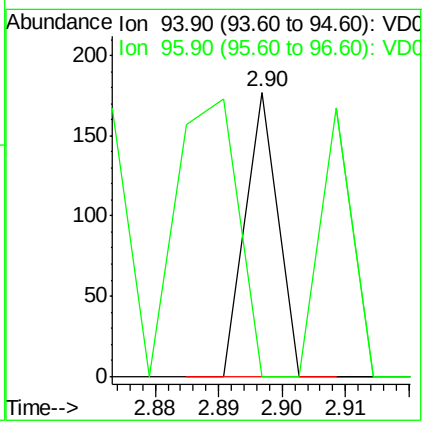


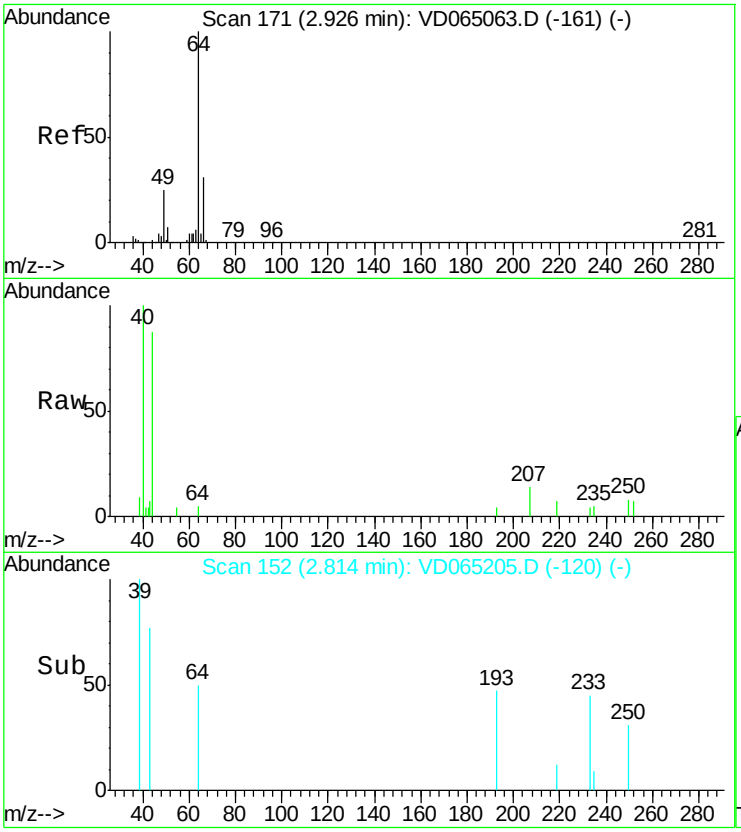




#5
Bromomethane
Concen: 7.763 ug/l
RT: 2.90 min Scan# 166
Delta R.T. 0.12 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 94 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 75.4 | 113.0# |



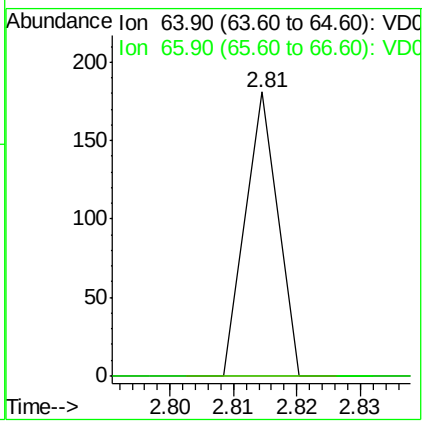


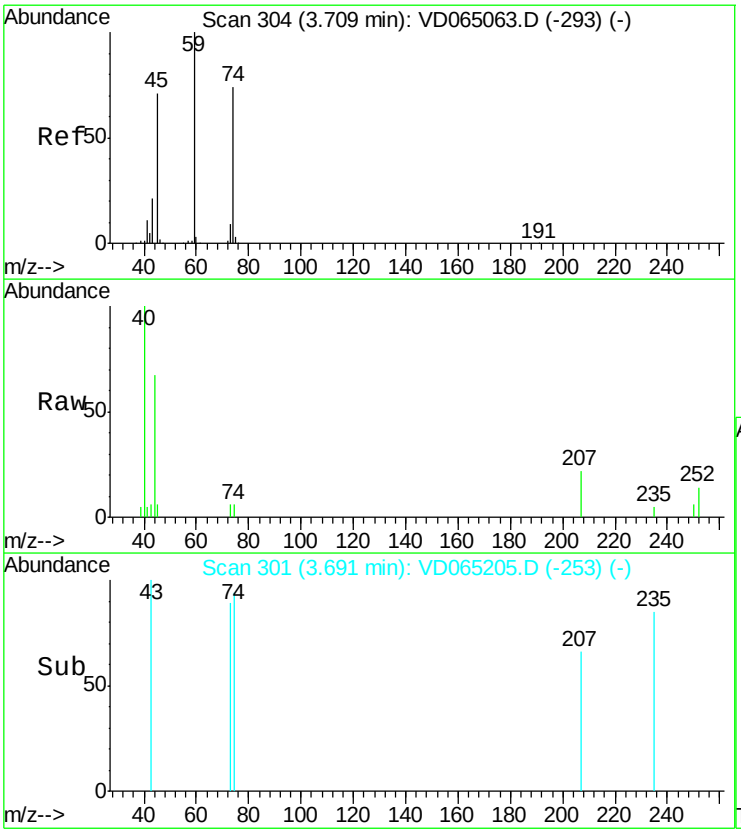

#6
Chloroethane
Concen: 8.376 ug/l
RT: 2.81 min Scan# 152
Delta R.T. -0.11 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 64 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 24.8 | 37.2# |

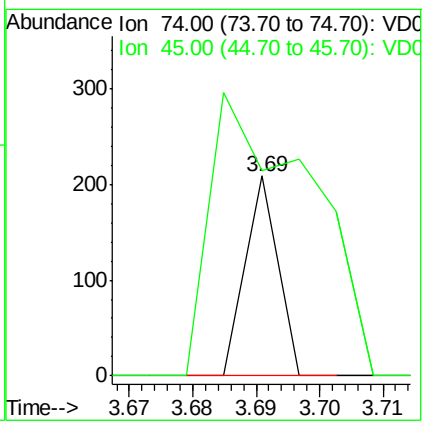


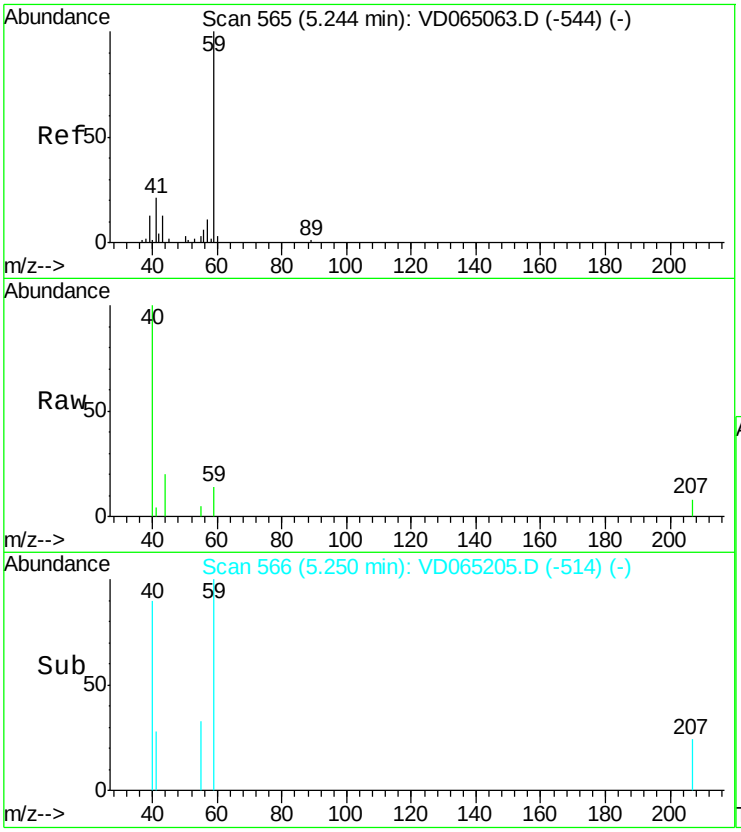




#8
Diethyl Ether
Concen: 14.380 ug/l
RT: 3.69 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 74 Resp: 74

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 433.8 | 49.0 | 147.0# |



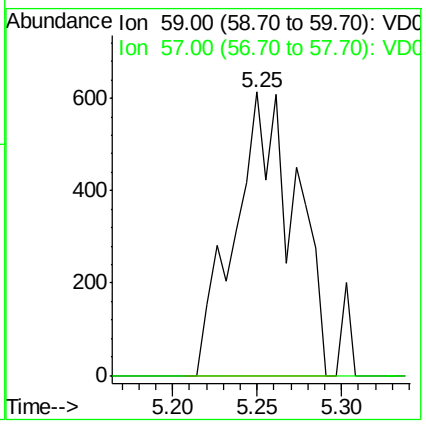


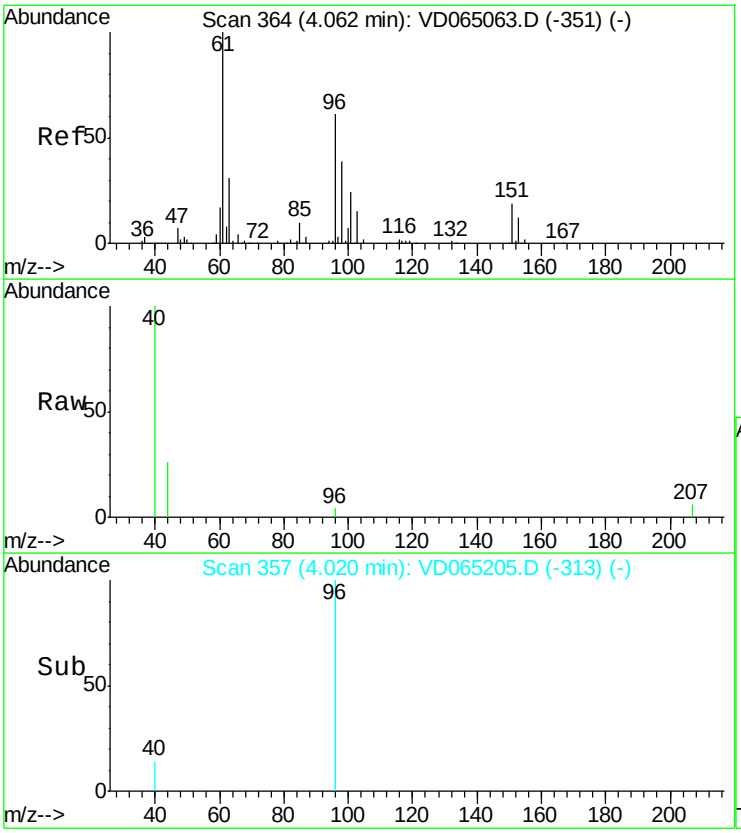

#11
Tert butyl alcohol
Concen: 2490.960 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 59 Resp: 1538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

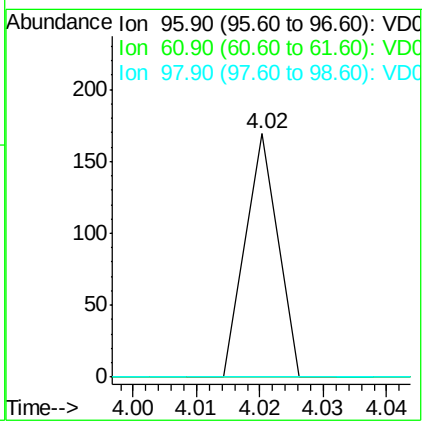


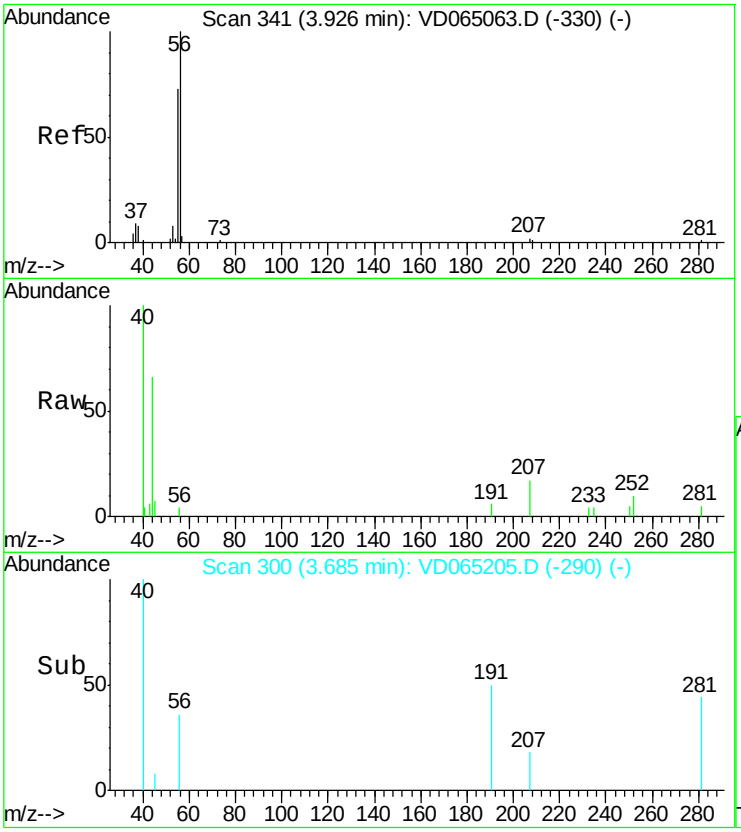




#12
1,1-Dichloroethene
Concen: 5.717 ug/l
RT: 4.02 min Scan# 357
Delta R.T. -0.04 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 96 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 131.4 | 197.2# |
| 98 | 0.0 | 51.1 | 76.7# |



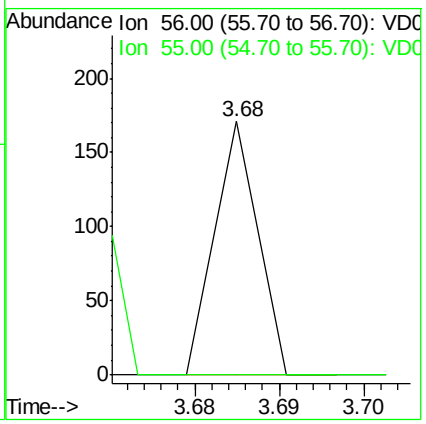


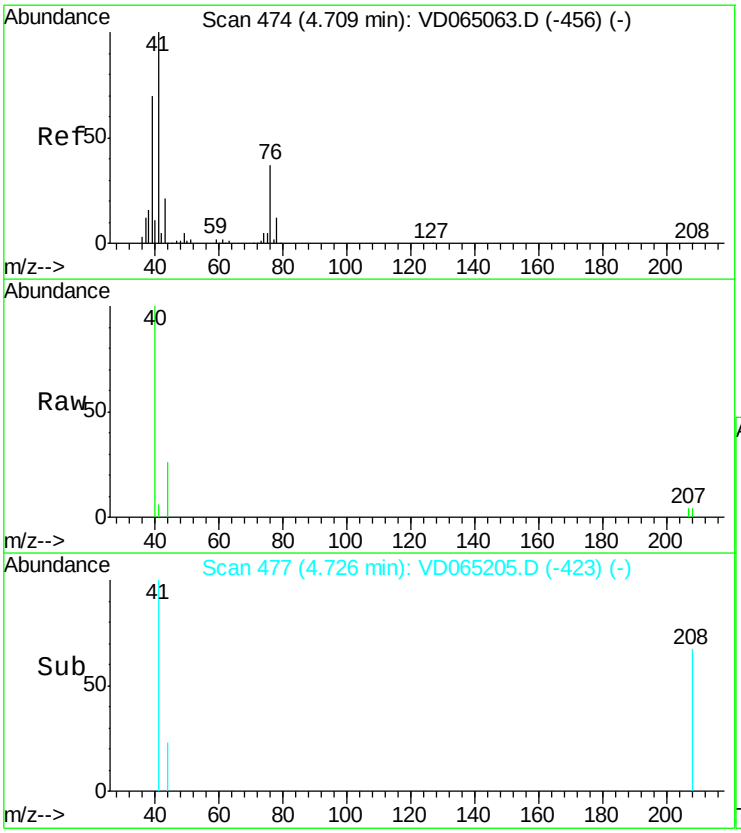

#13
Acrolein
Concen: 79.007 ug/l
RT: 3.68 min Scan# 300
Delta R.T. -0.24 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 56 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.2 | 87.2# |

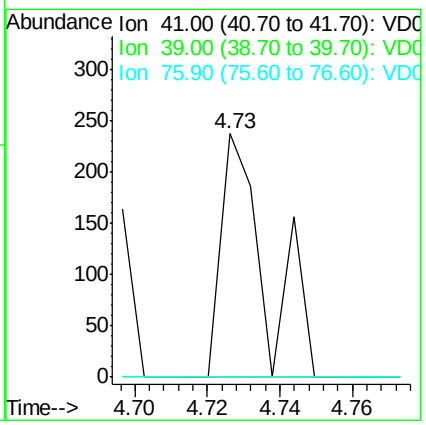


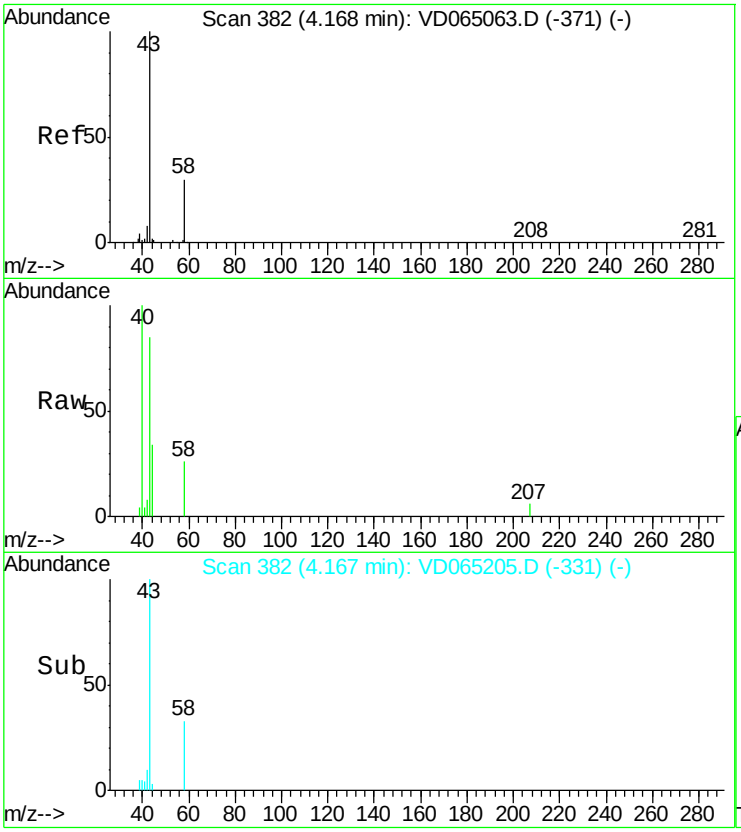




#14
Allyl chloride
Concen: 11.752 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 41 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 57.1 | 85.7# |
| 76 | 0.0 | 28.0 | 42.0# |



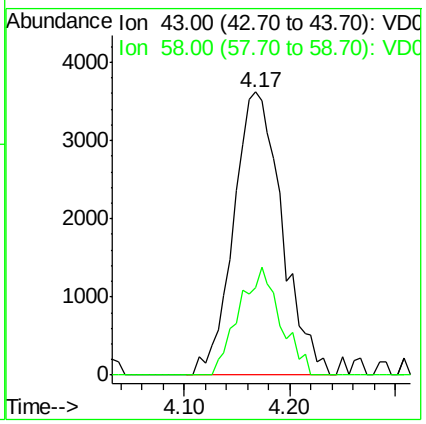


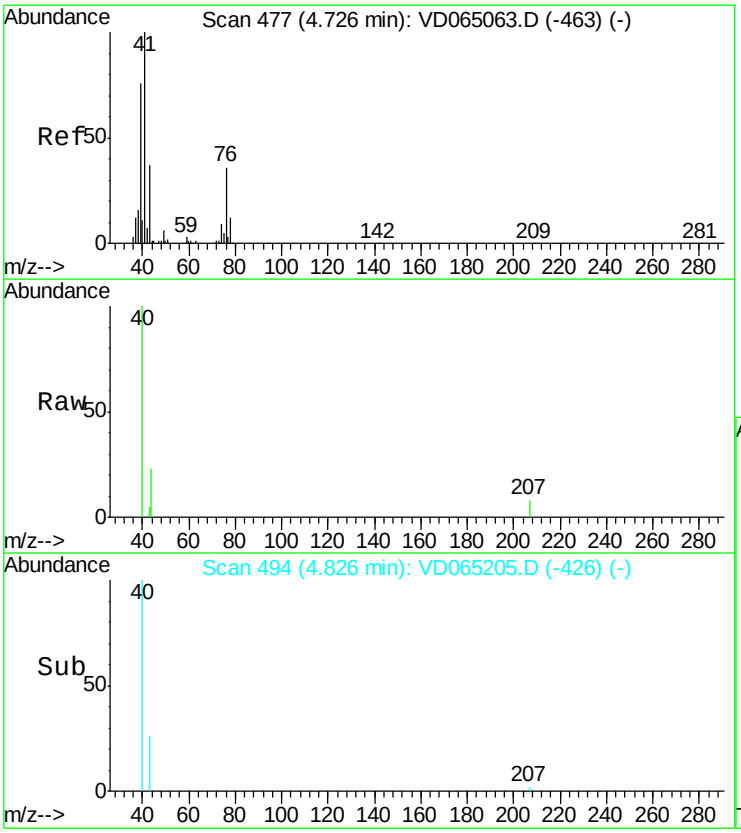

#16
Acetone
Concen: 4552.854 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 43 Resp: 11503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 23.5 | 35.3 |

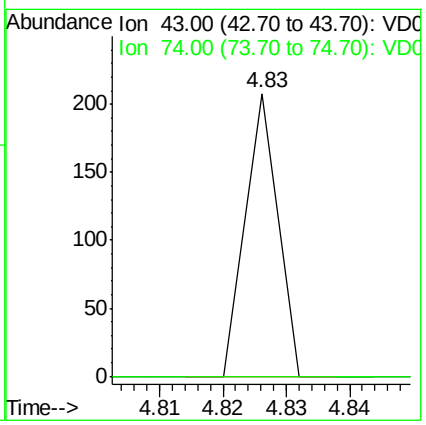


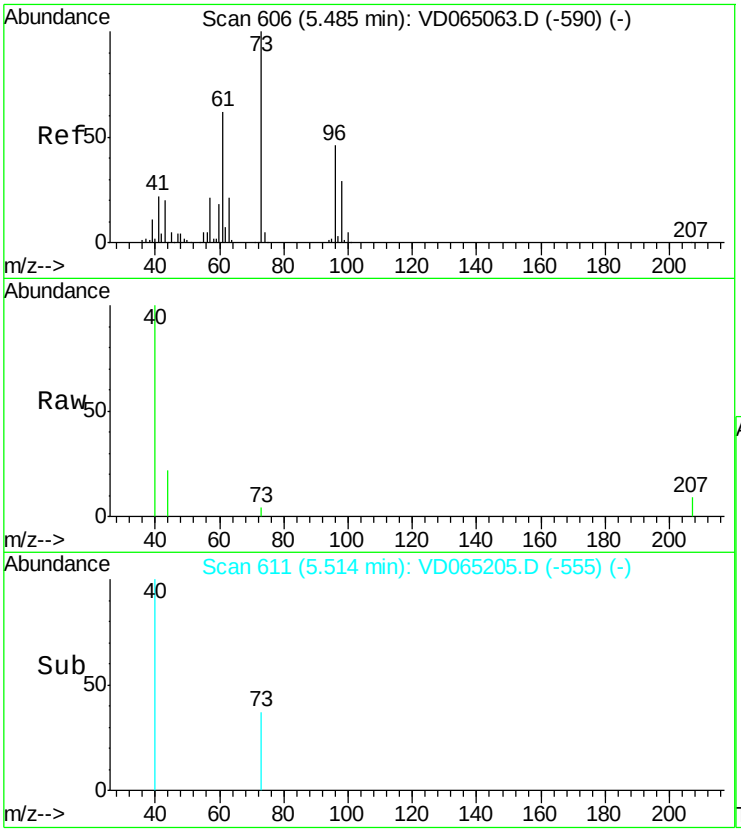




#18
Methyl Acetate
Concen: 13.829 ug/l
RT: 4.83 min Scan# 494
Delta R.T. 0.10 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.7 | 28.1# |



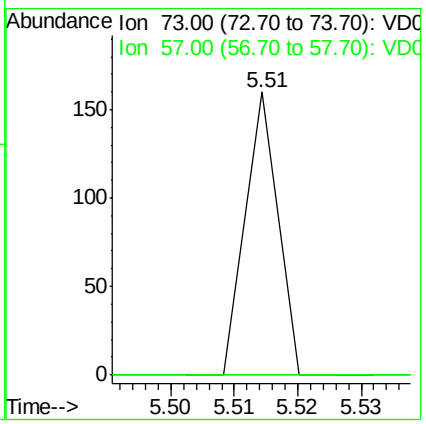


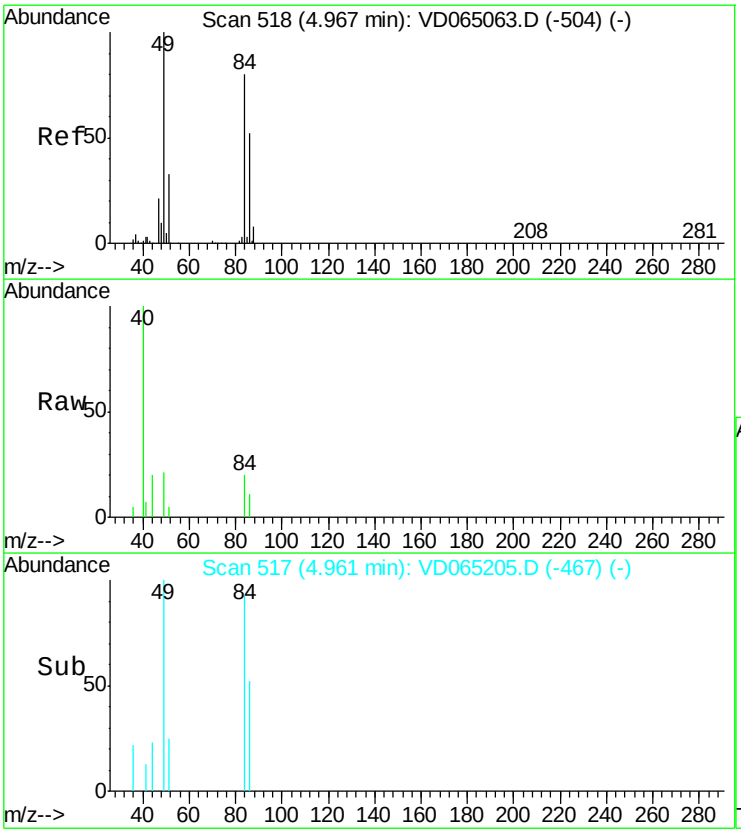

#19
Methyl tert-butyl Ether
Concen: 2.413 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.03 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 73 Resp: 56

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 0.0 | 16.8 | 25.2# |

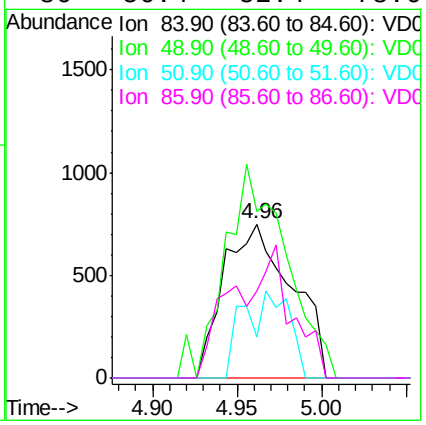


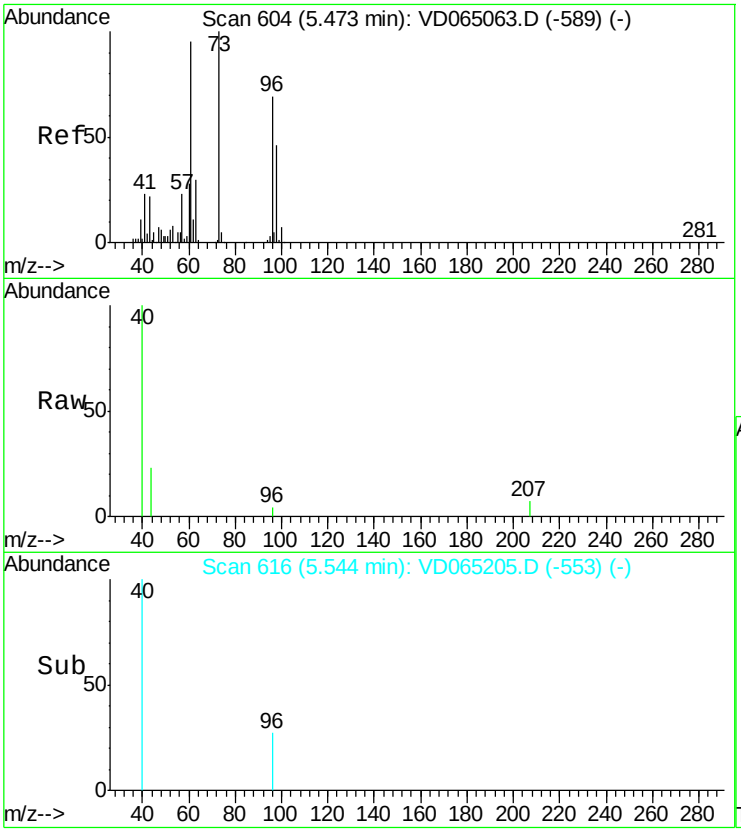




#20
Methylene Chloride
Concen: 201.225 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 84 Resp: 2106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 107.9 | 100.4 | 150.6 |
| 51 | 26.5 | 32.7 | 49.1# |
| 86 | 56.4 | 52.4 | 78.6 |



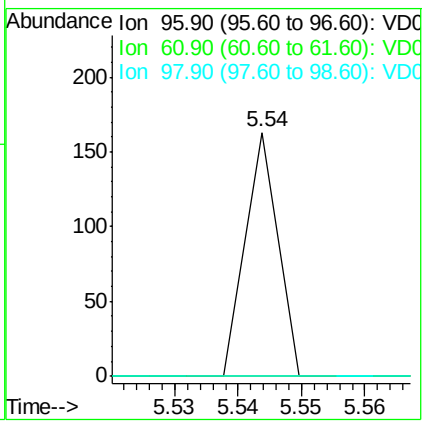


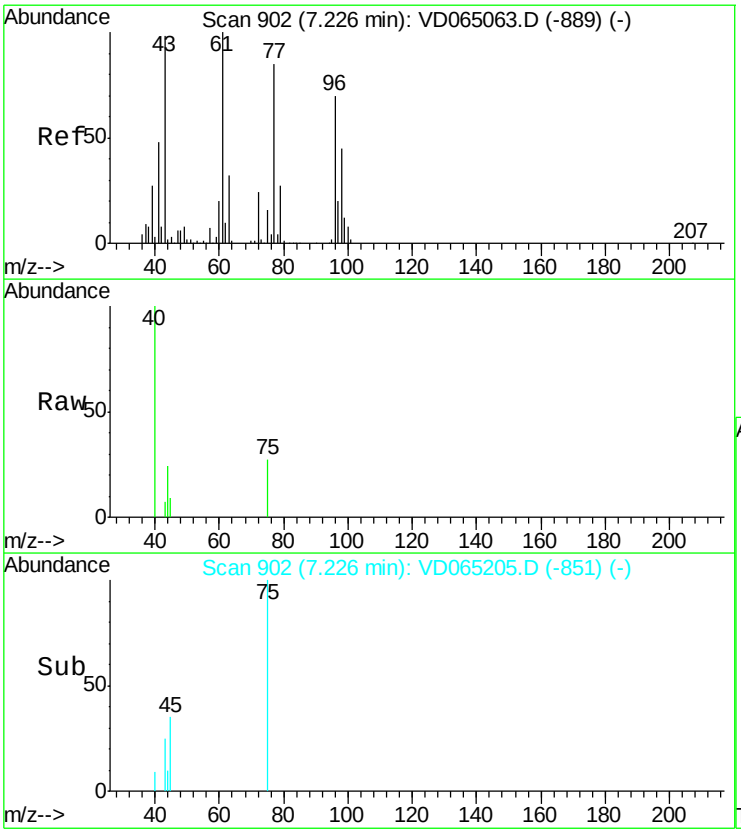

#21
trans-1,2-Dichloroethene
Concen: 4.884 ug/l
RT: 5.54 min Scan# 616
Delta R.T. 0.07 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 96 Resp: 58

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 109.5 | 164.3# |
| 98 | 0.0 | 53.7 | 80.5# |

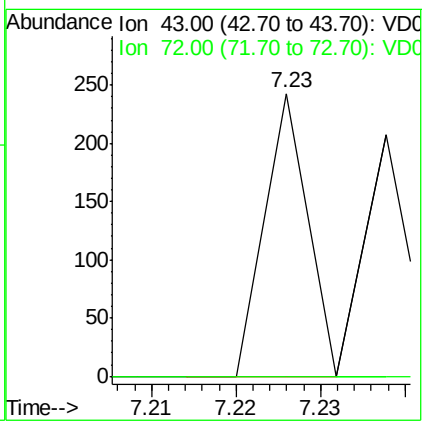


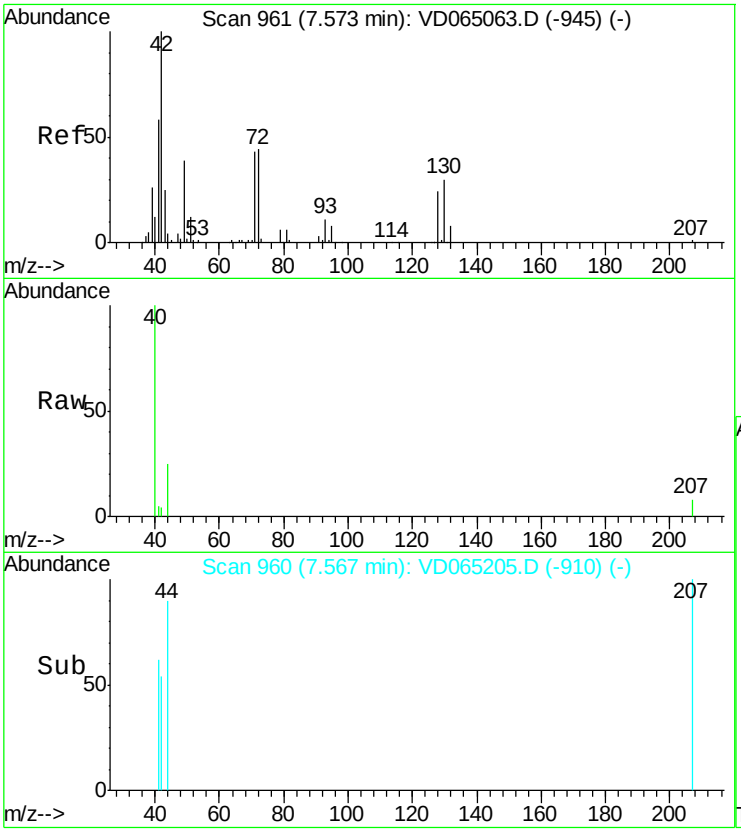




#25
2-Butanone
Concen: 28.535 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 86

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 19.9 | 29.9# |



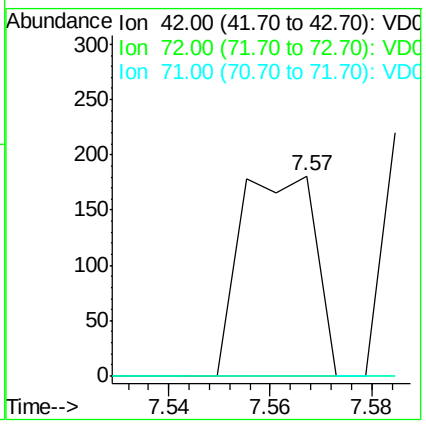


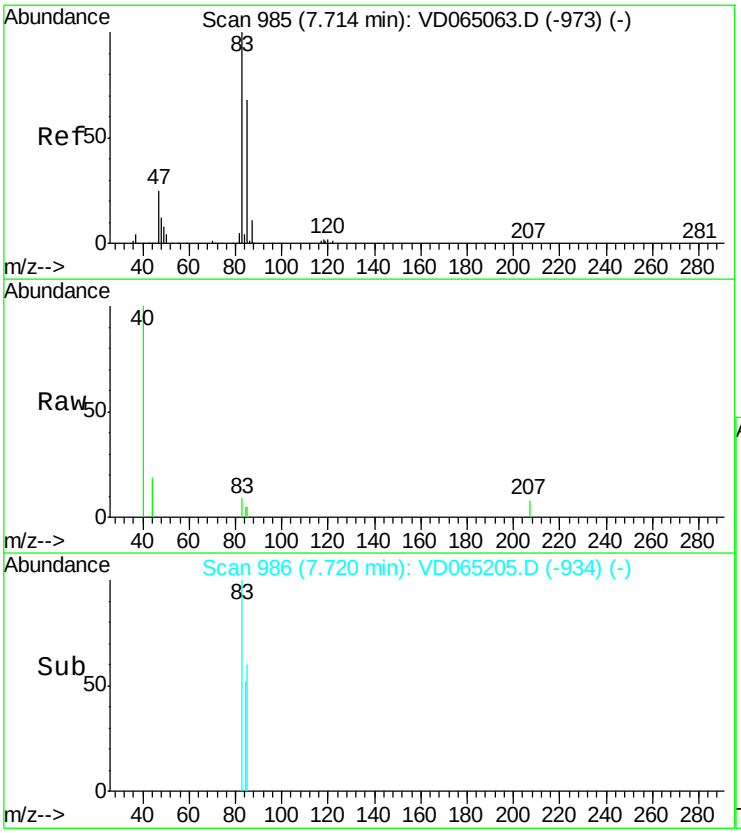

#29
Tetrahydrofuran
Concen: 101.506 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 42 Resp: 185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.2 | 51.4# |
| 71 | 0.0 | 31.8 | 47.6# |

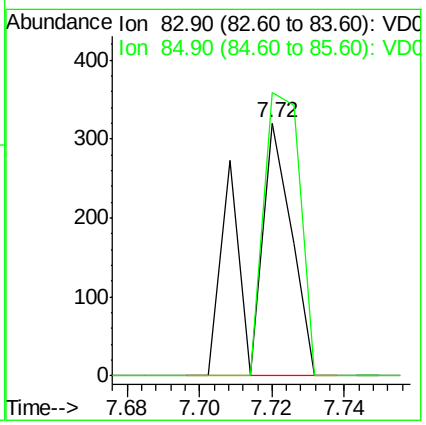


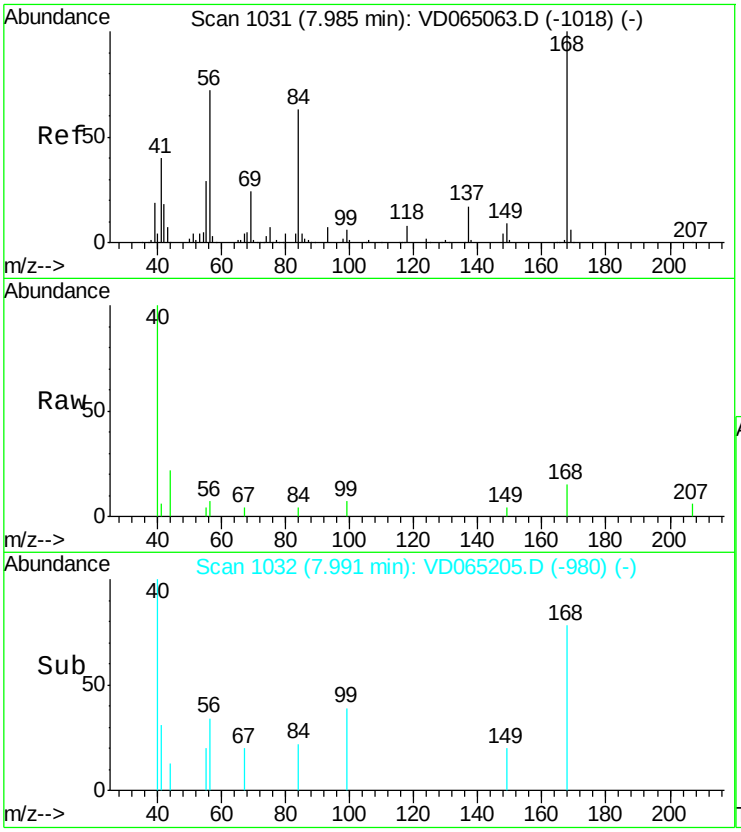




#30
Chloroform
Concen: 13.565 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 83 Resp: 269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 111.9 | 54.2 | 81.4# |



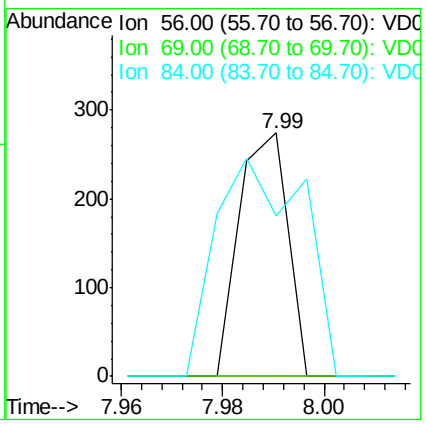


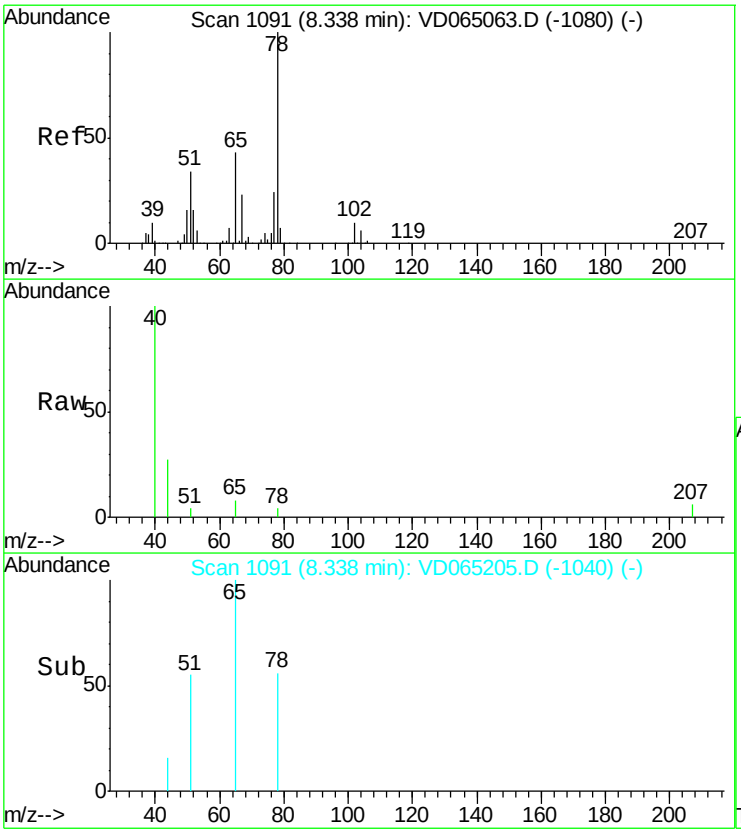

#31
Cyclohexane
Concen: 9.053 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 56 Resp: 182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 0.0 | 26.6 | 40.0# |
| 84 | 66.1 | 70.6 | 106.0# |

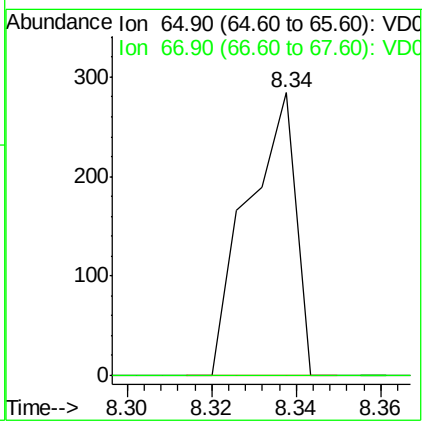


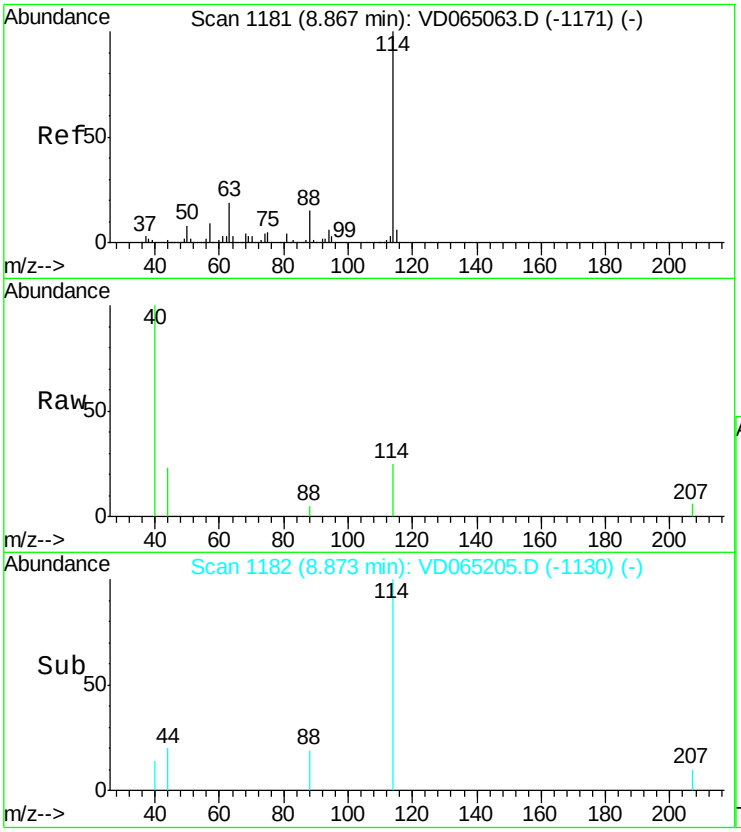




#33
1,2-Dichloroethane-d4
Concen: 22.364 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 65 Resp: 226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 0.0 | 0.0 | 105.8 |



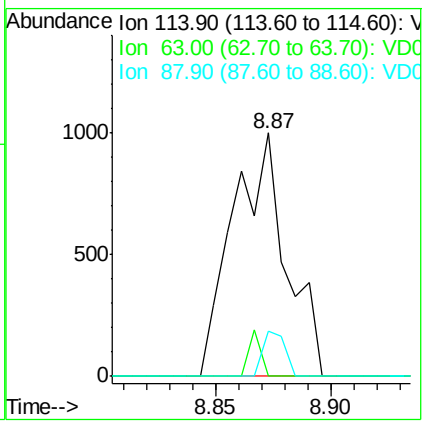


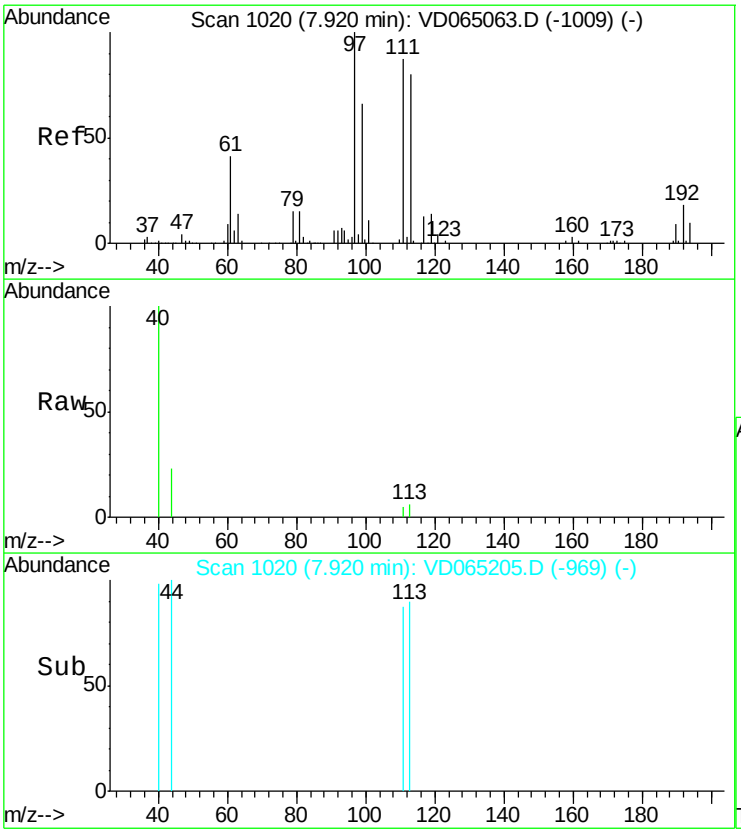

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:114 Resp: 1612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 0.0 | 0.0 | 38.8 |
| 88 | 18.6 | 0.0 | 29.6 |

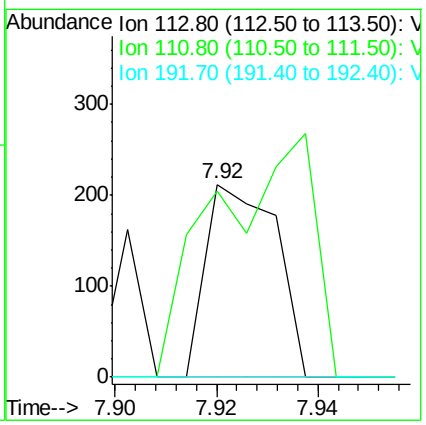


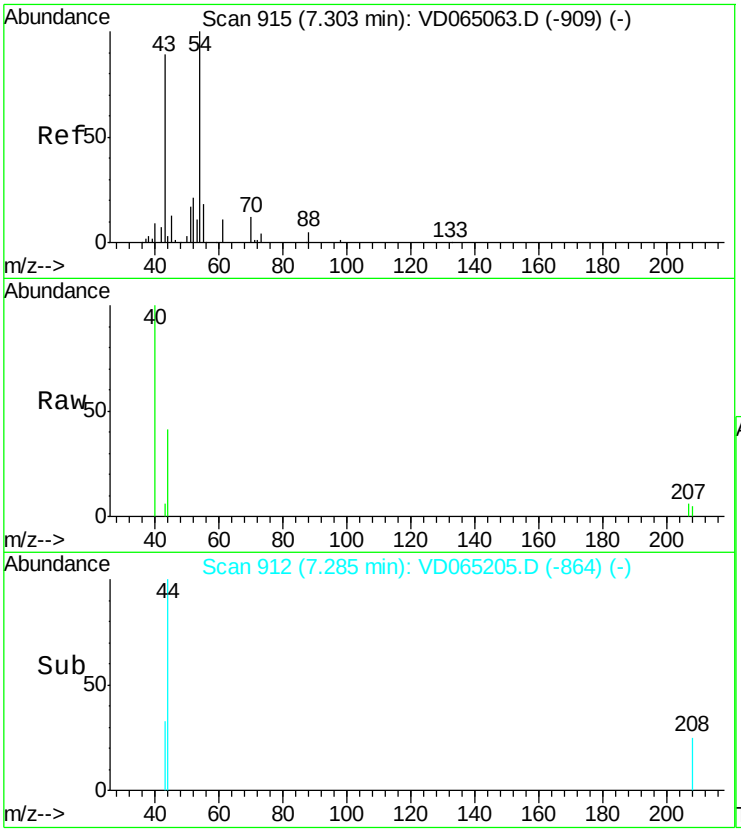




#35
Dibromofluoromethane
Concen: 22.793 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:113 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 175.6 | 83.1 | 124.7# |
| 192 | 0.0 | 18.1 | 27.1# |



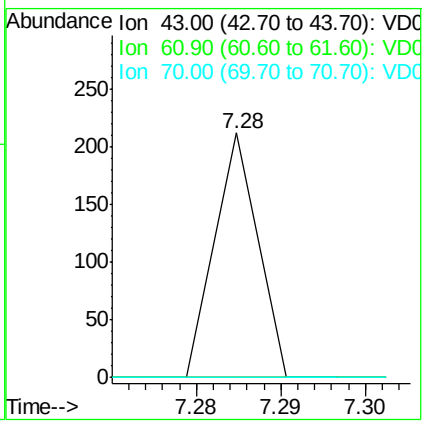


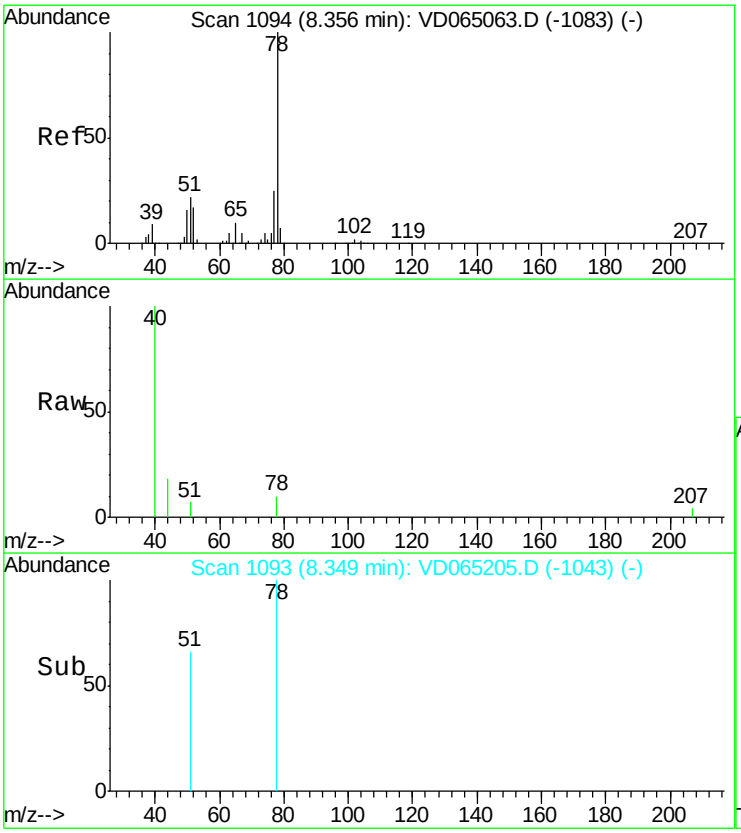

#37
Ethyl Acetate
Concen: 12.248 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 43 Resp: 75

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.0 | 16.4# |
| 70 | 0.0 | 8.2 | 12.2# |

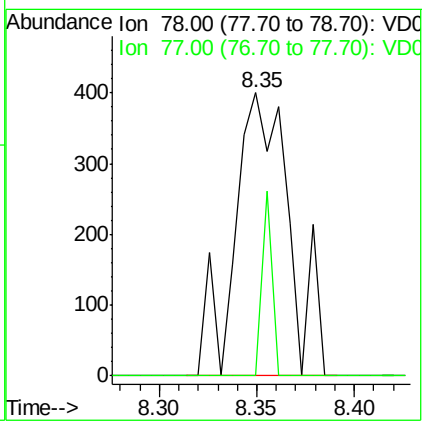


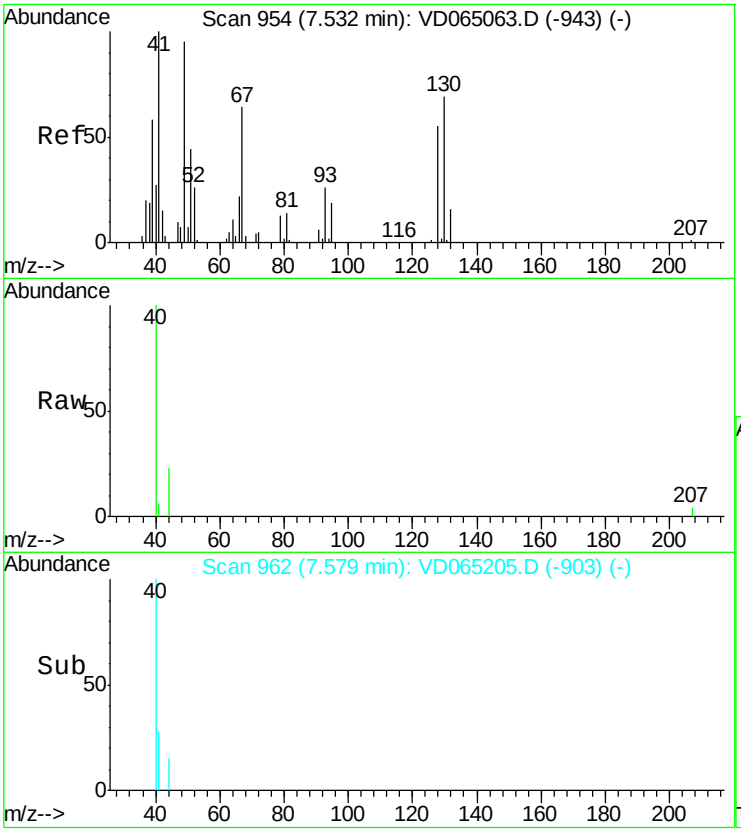




#40
Benzene
Concen: 18.772 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 78 Resp: 777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 0.0 | 19.6 | 29.4# |



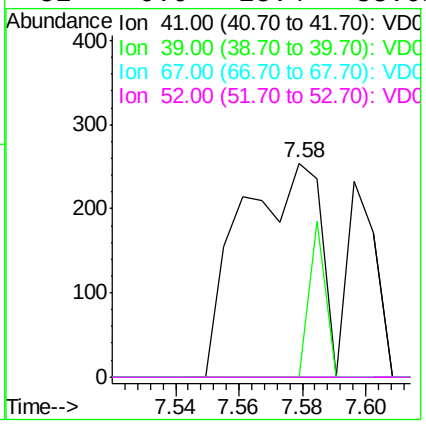


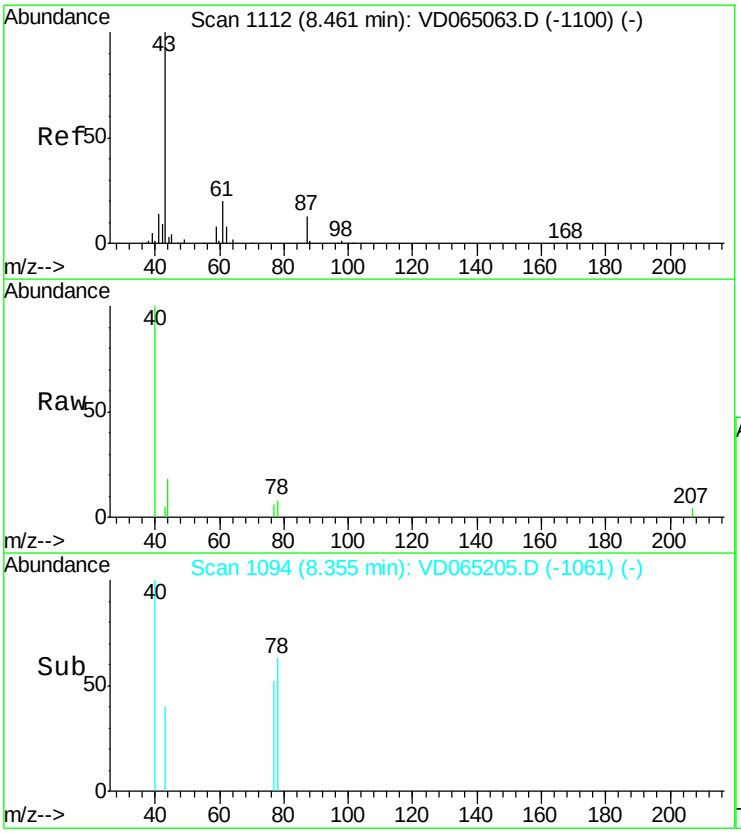

#41
Methacrylonitrile
Concen: 131.016 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.05 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 41 Resp: 442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 14.9 | 55.4 | 83.0# |
| 67 | 0.0 | 59.0 | 88.6# |
| 52 | 0.0 | 25.4 | 38.0# |

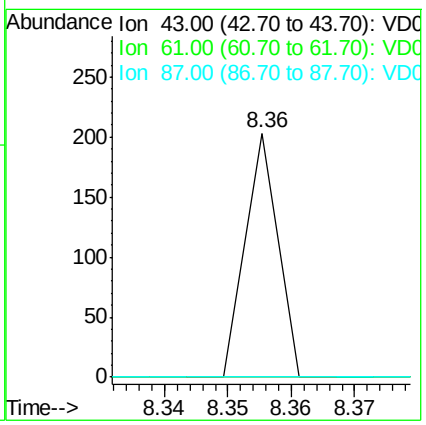


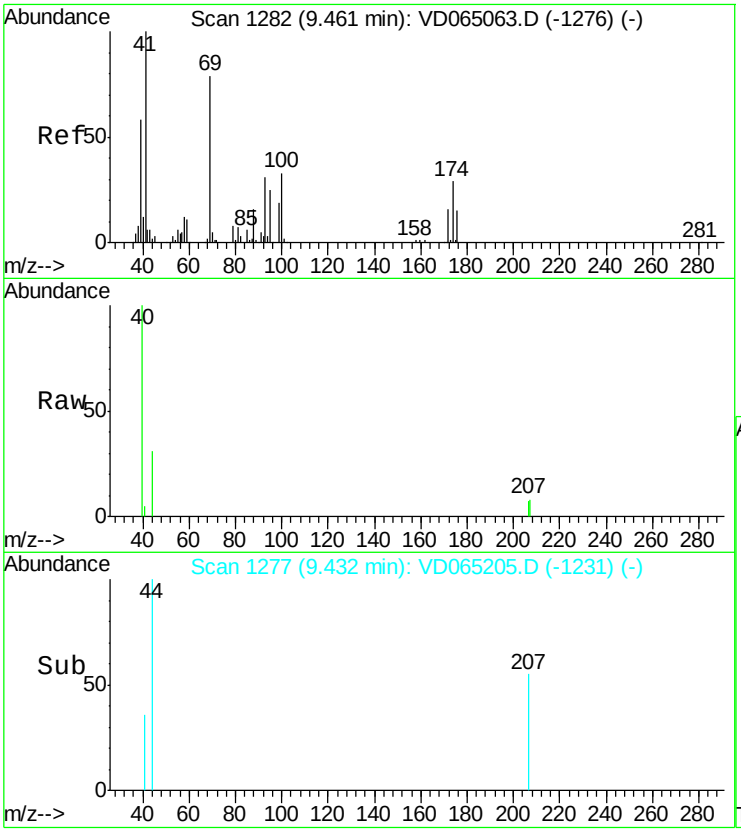




#43
Isopropyl Acetate
Concen: 6.146 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.11 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 24.0 | 36.0# |
| 87 | 0.0 | 10.2 | 15.4# |



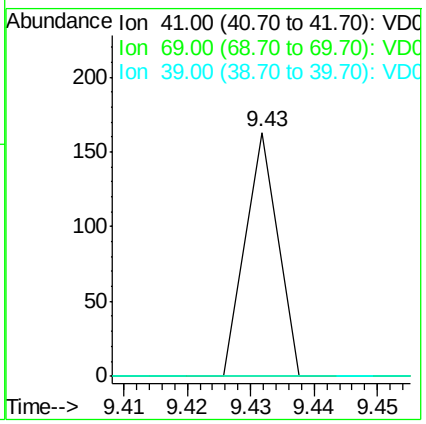


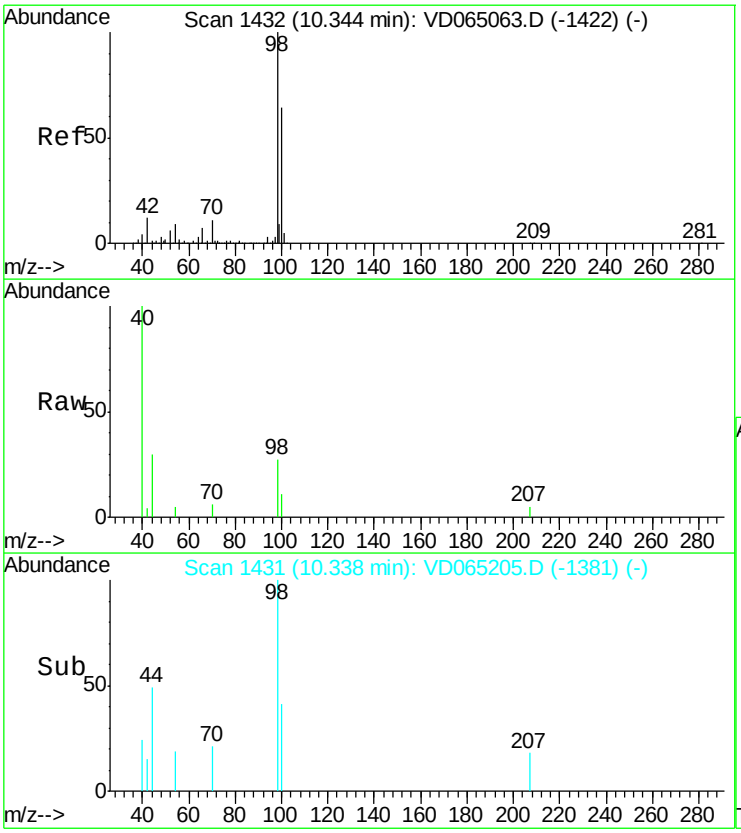

#48
Methyl methacrylate
Concen: 10.112 ug/l
RT: 9.43 min Scan# 1277
Delta R.T. -0.03 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 41 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 67.5 | 101.3# |
| 39 | 0.0 | 47.0 | 70.4# |

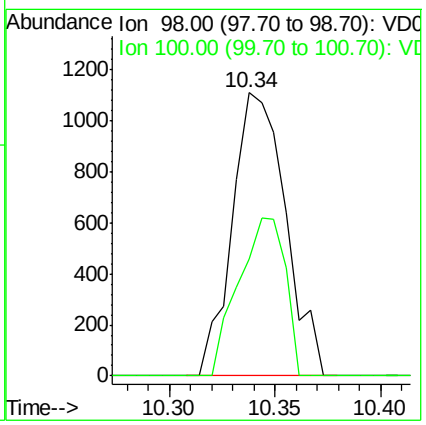


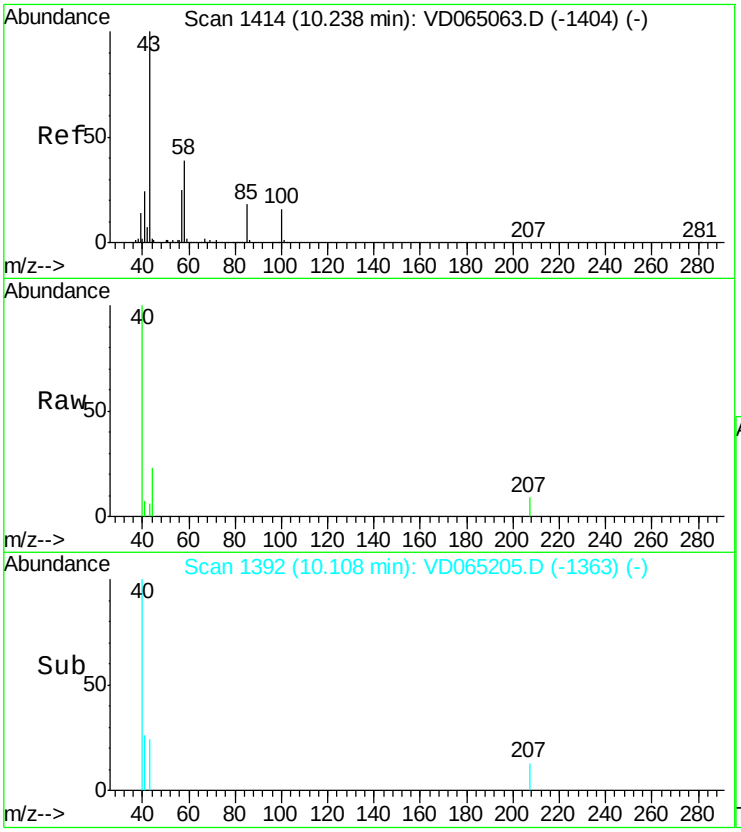




#50
Toluene-d8
Concen: 54.220 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 98 Resp: 1941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 48.8 | 52.1 | 78.1# |



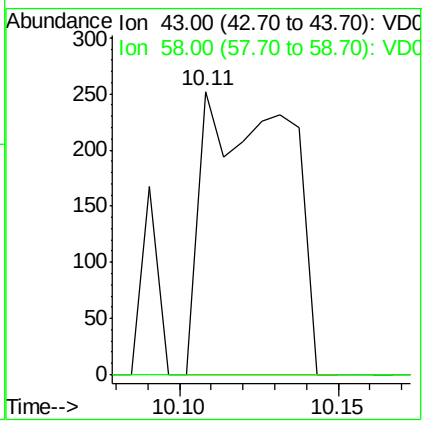


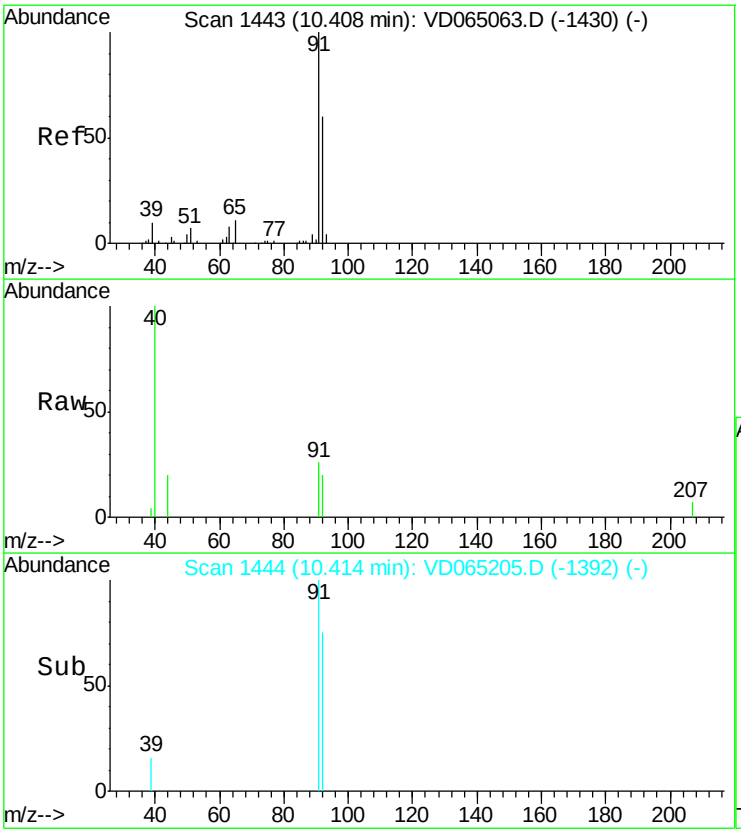

#51
4-Methyl-2-Pentanone
Concen: 81.515 ug/l
RT: 10.11 min Scan# 1392
Delta R.T. -0.13 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 43 Resp: 470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 30.2 | 45.2# |

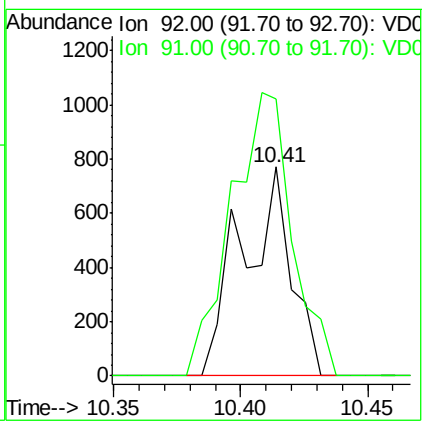


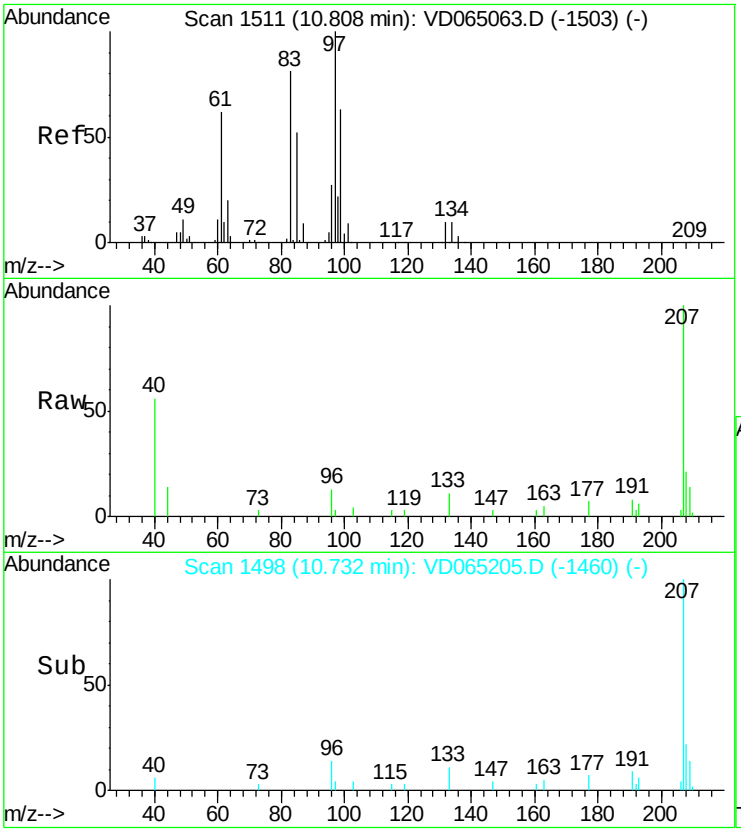




#52
Toluene
Concen: 39.670 ug/l
RT: 10.41 min Scan# 1444
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 92 Resp: 1048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.0 | 135.3 | 202.9 |



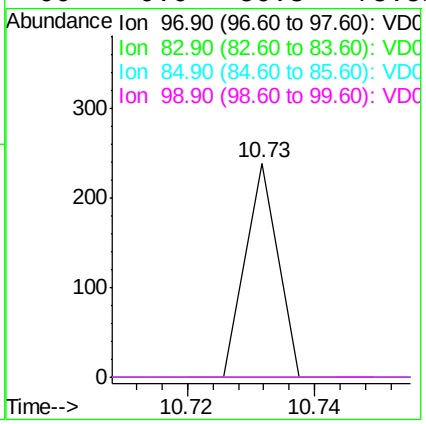


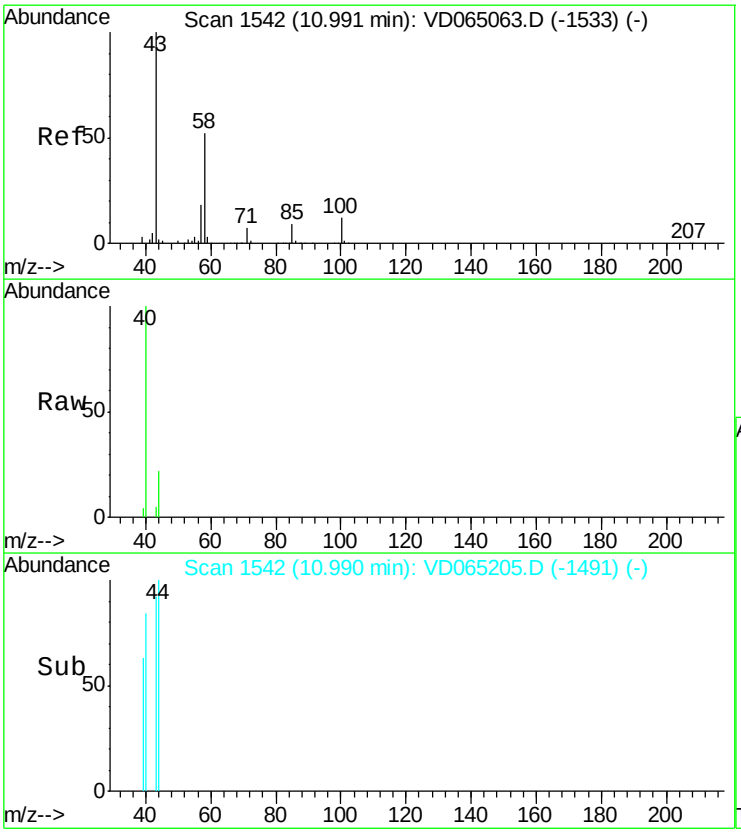

#55
1,1,2-Trichloroethane
Concen: 11.743 ug/l
RT: 10.73 min Scan# 1498
Delta R.T. -0.08 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 97 Resp: 84

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 0.0 | 64.8 | 97.2# |
| 85 | 0.0 | 41.2 | 61.8# |
| 99 | 0.0 | 50.3 | 75.5# |

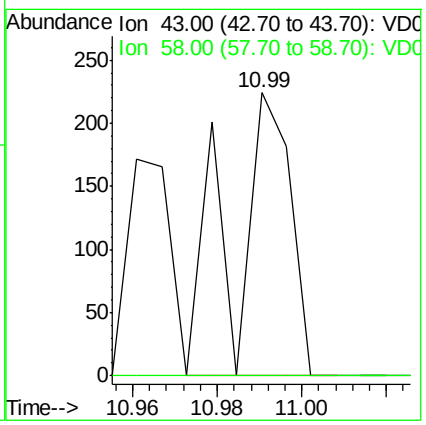


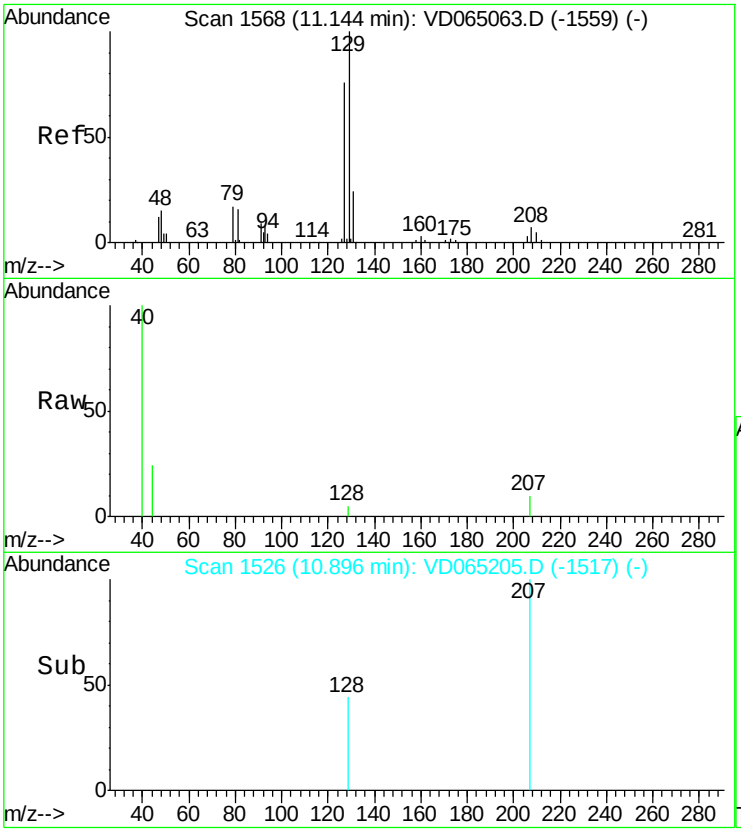




#59
2-Hexanone
Concen: 52.399 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 43 Resp: 214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 26.2 | 78.6# |



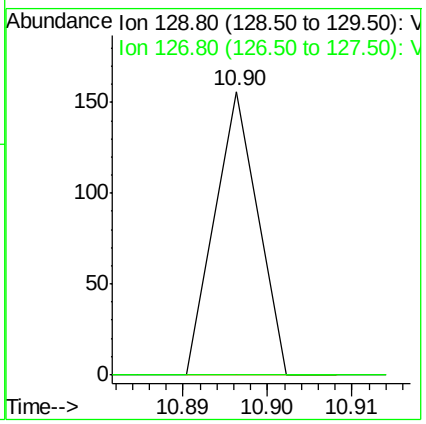


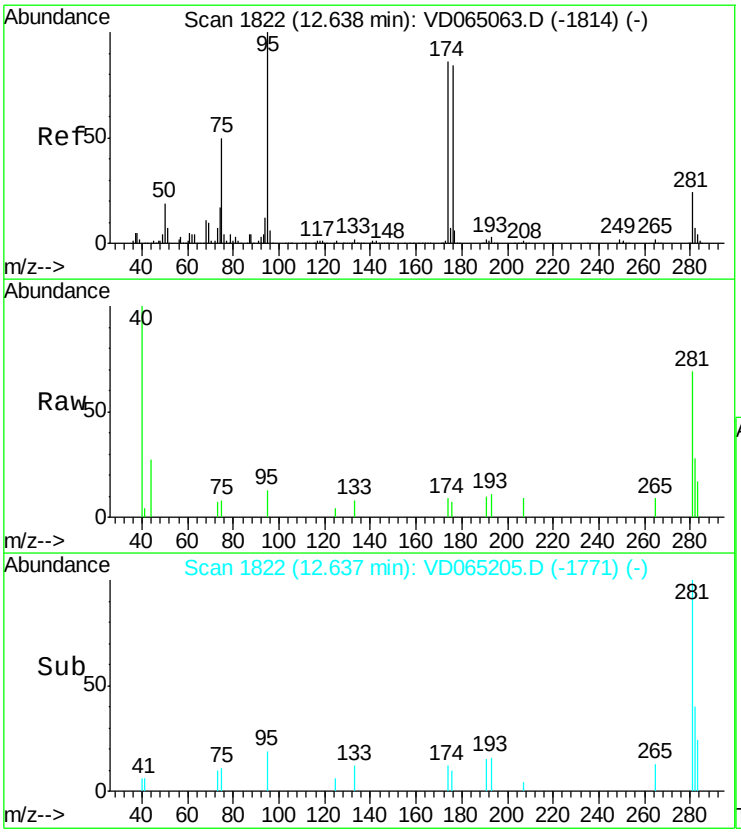

#60
Dibromochloromethane
Concen: 5.936 ug/l
RT: 10.90 min Scan# 1526
Delta R.T. -0.25 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:129 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 38.3 | 114.9# |

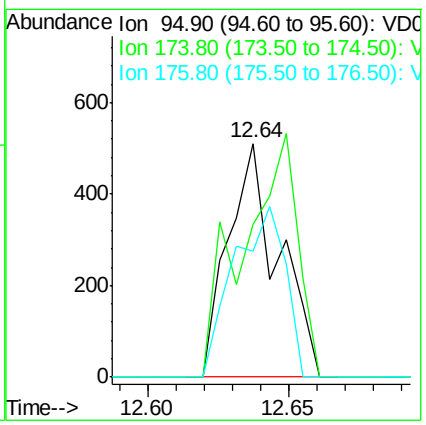


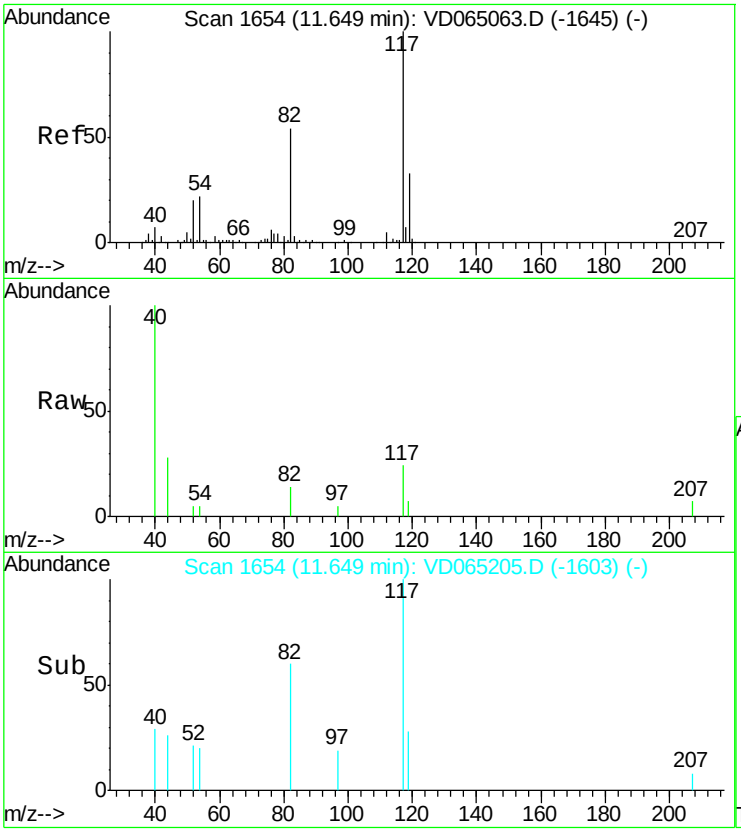




#62
4-Bromofluorobenzene
Concen: 55.540 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 95 Resp: 630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 113.0 | 0.0 | 180.0 |
| 176 | 74.8 | 0.0 | 173.2 |



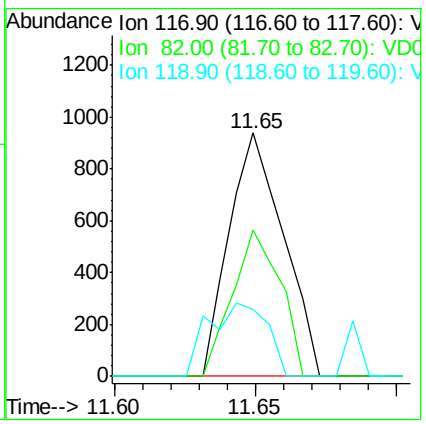


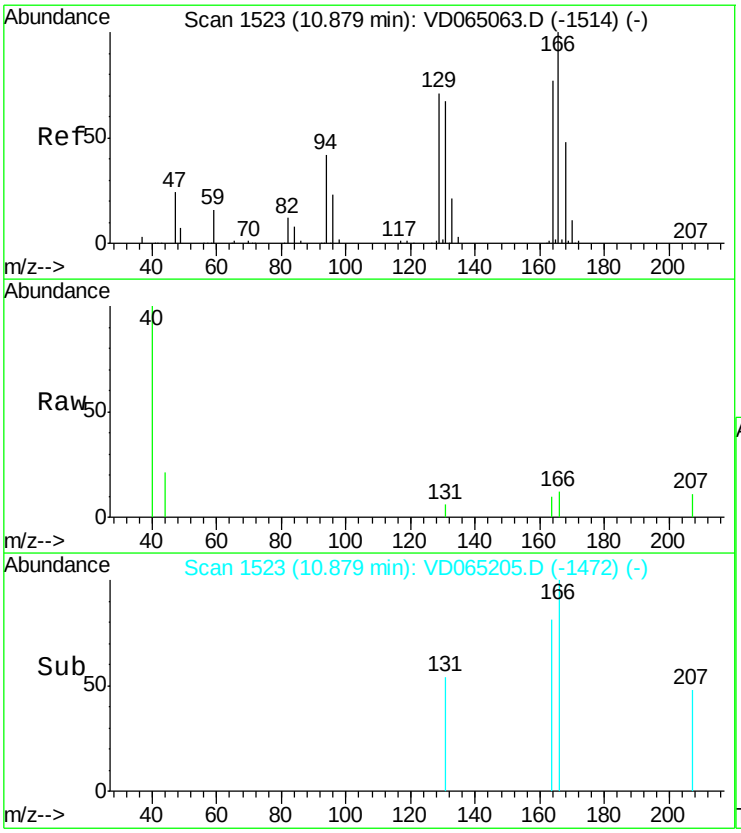

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion:117 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.0 | 43.1 | 64.7 |
| 119 | 27.6 | 26.0 | 39.0 |

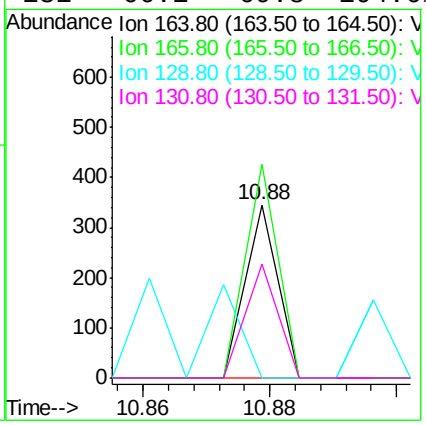


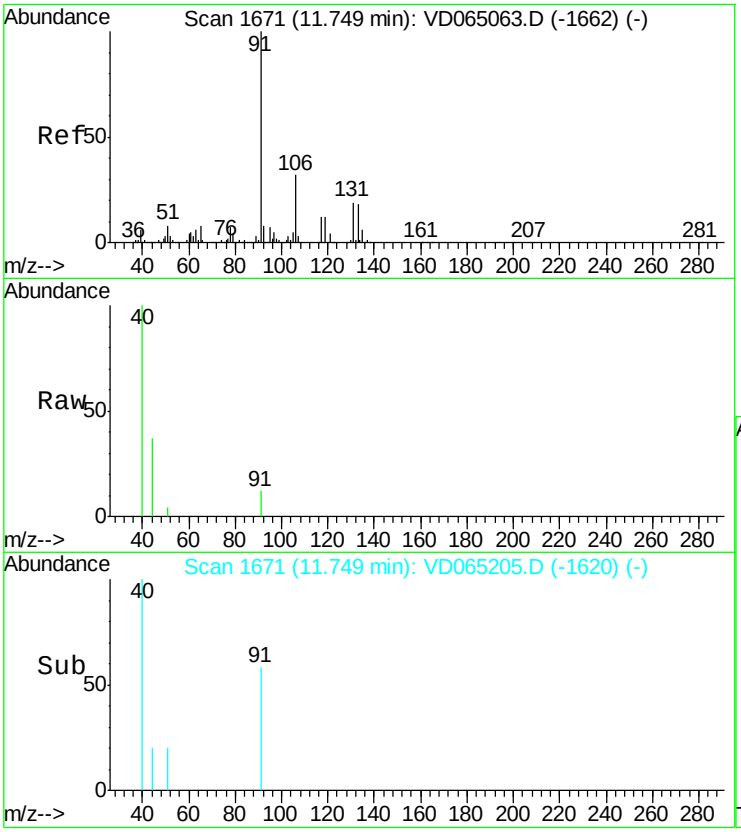




#64
Tetrachloroethene
Concen: 13.572 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:164 Resp: 122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.5 | 103.5 | 155.3 |
| 129 | 0.0 | 73.3 | 109.9# |
| 131 | 66.1 | 69.8 | 104.6# |



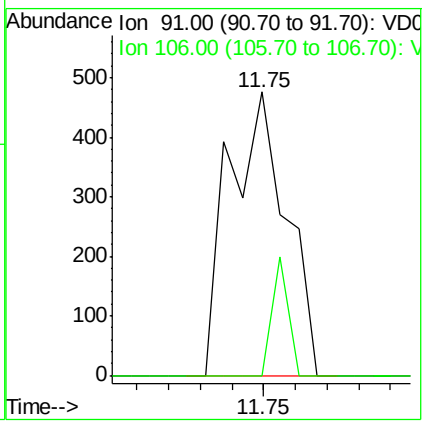


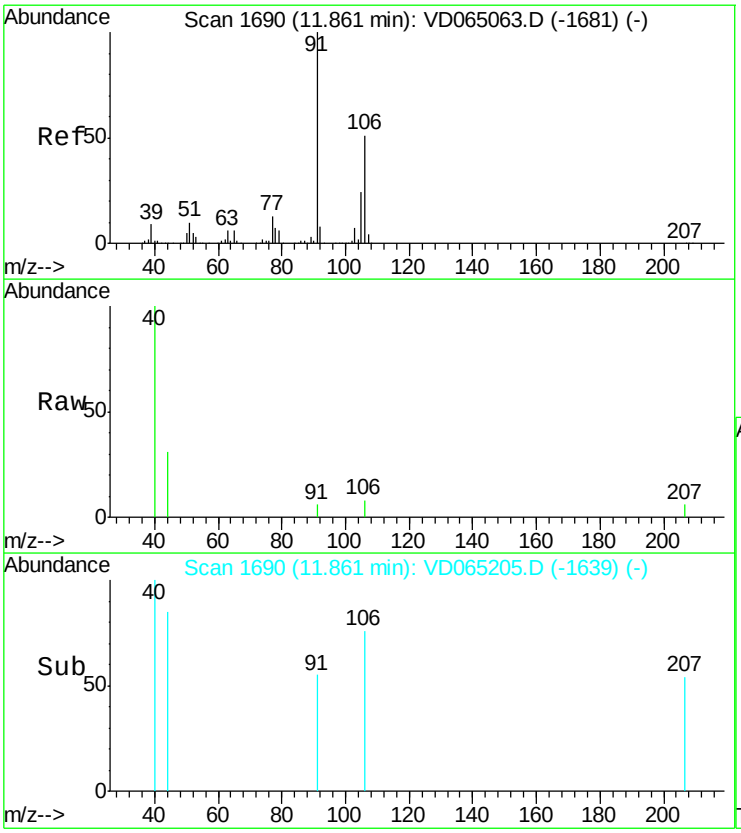

#67
Ethyl Benzene
Concen: 13.512 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 91 Resp: 594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 25.4 | 38.2# |

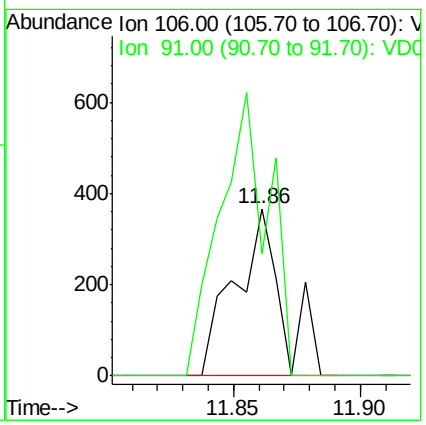


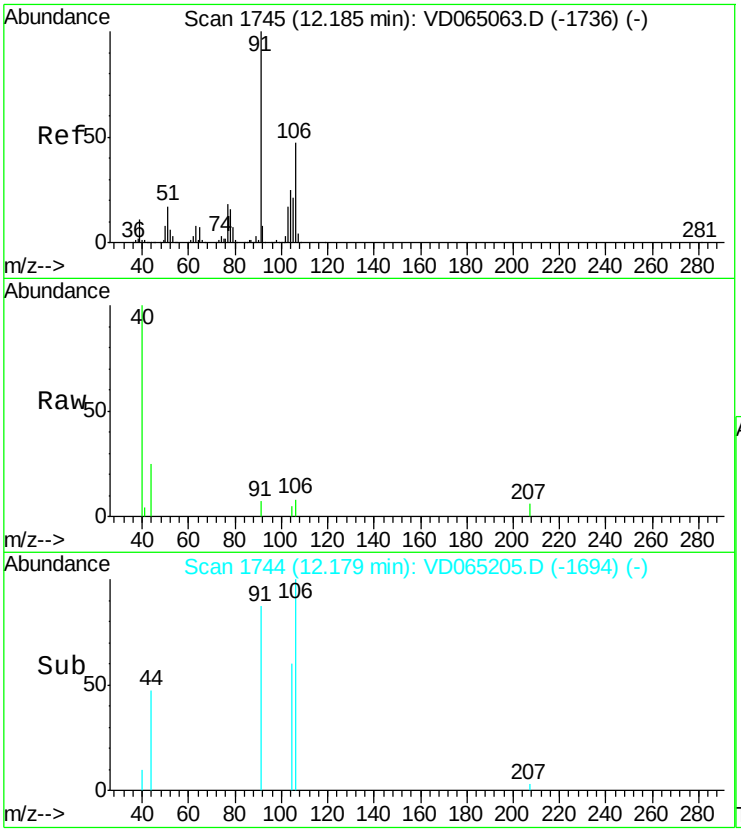




#68
m/p-Xylenes
Concen: 28.489 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:106 Resp: 478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 172.6 | 158.9 | 238.3 |



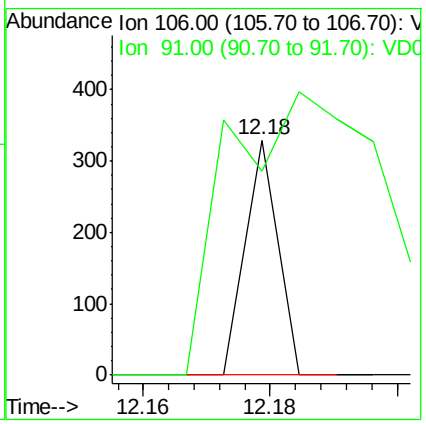


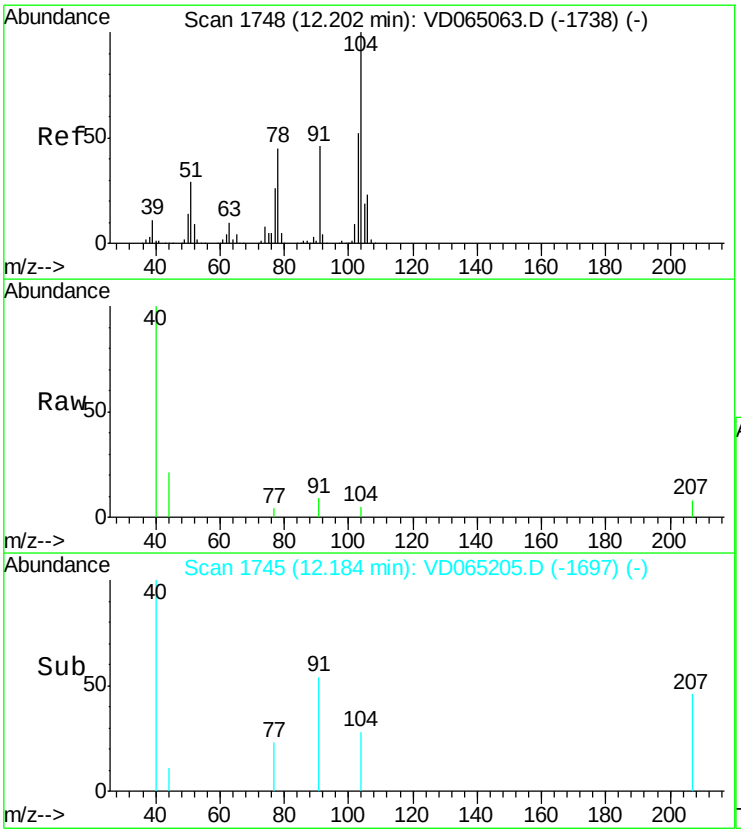

#69
o-Xylene
Concen: 7.677 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:106 Resp: 116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 573.3 | 104.7 | 313.9# |

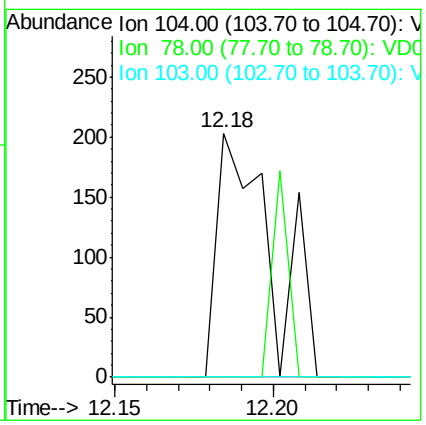


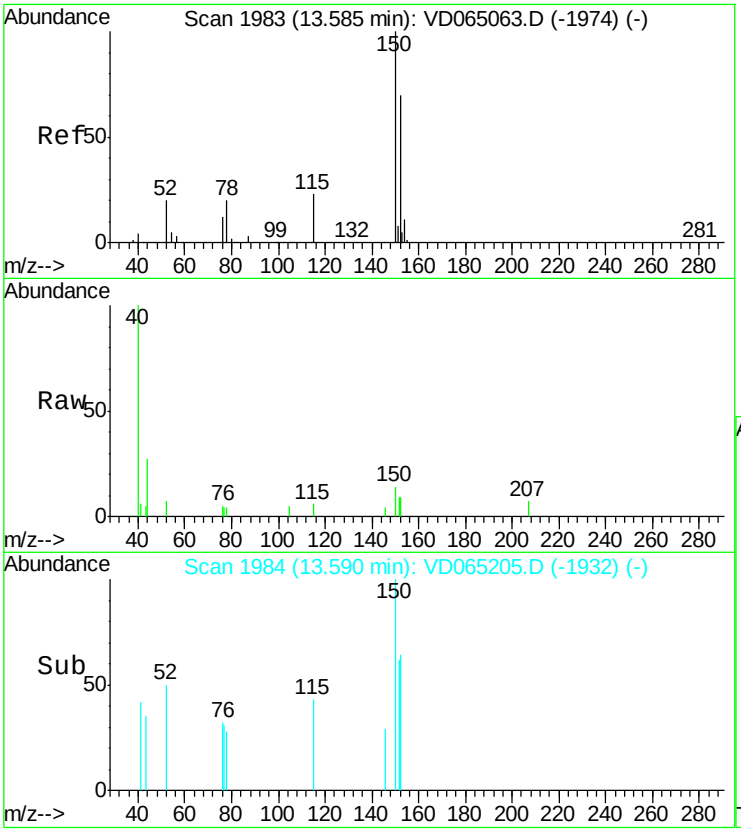




#70
Styrene
Concen: 9.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:104 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 25.3 | 38.5 | 57.7# |
| 103 | 0.0 | 43.8 | 65.8# |



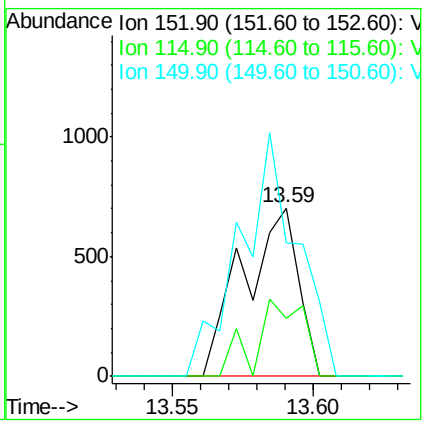


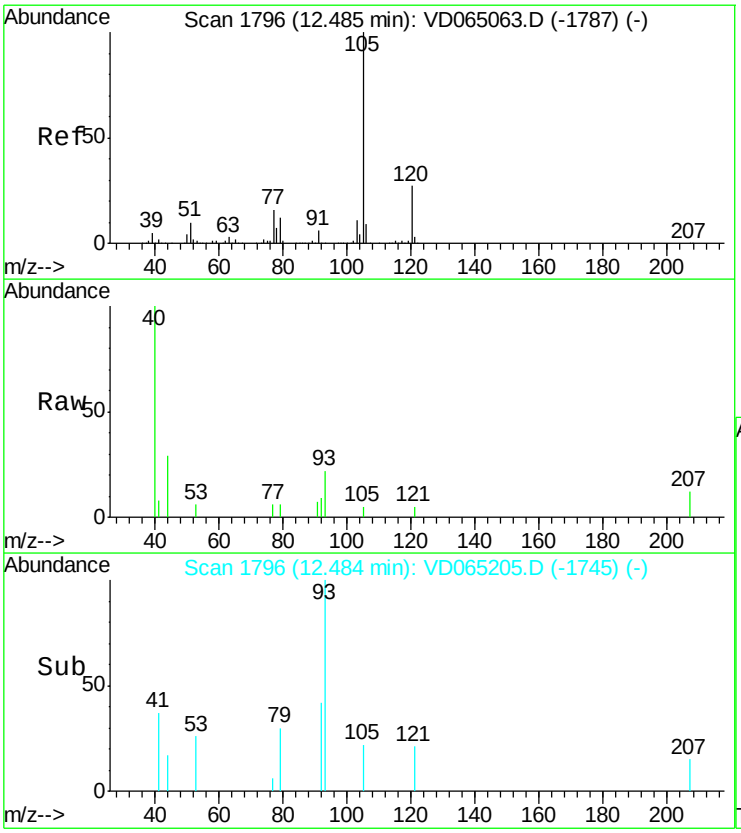

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:152 Resp: 958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 38.9 | 27.5 | 82.4 |
| 150 | 147.3 | 0.0 | 343.2 |

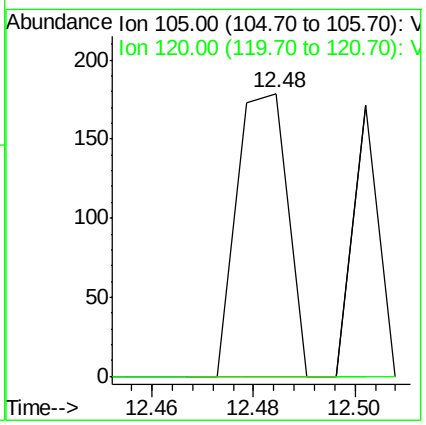


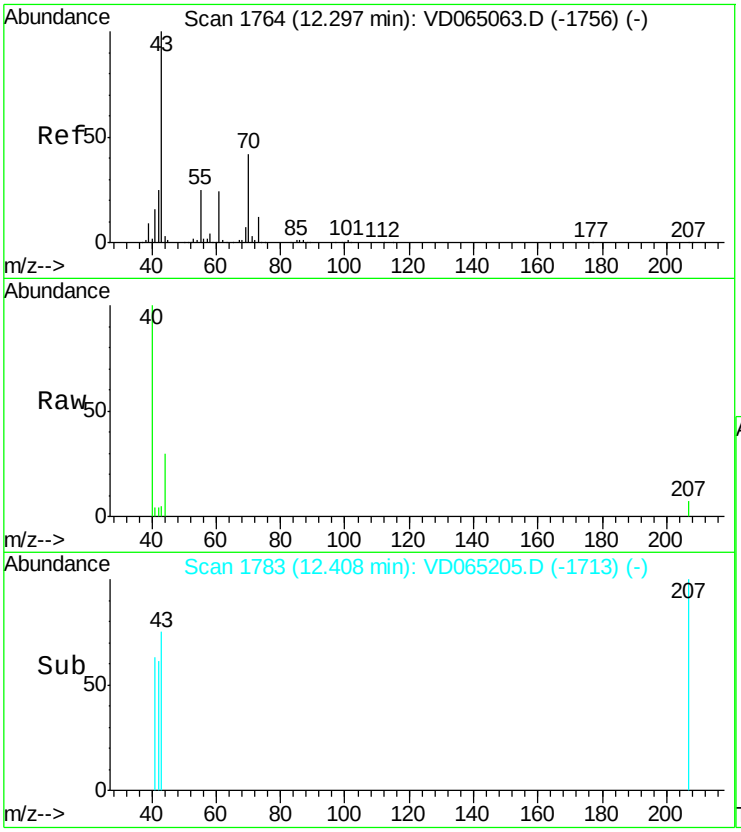




#73
Isopropylbenzene
Concen: 1.886 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:105 Resp: 124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 13.3 | 39.9# |



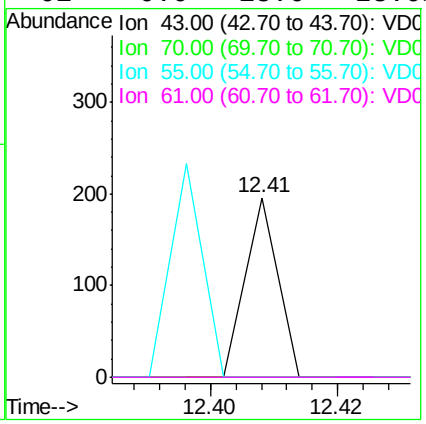


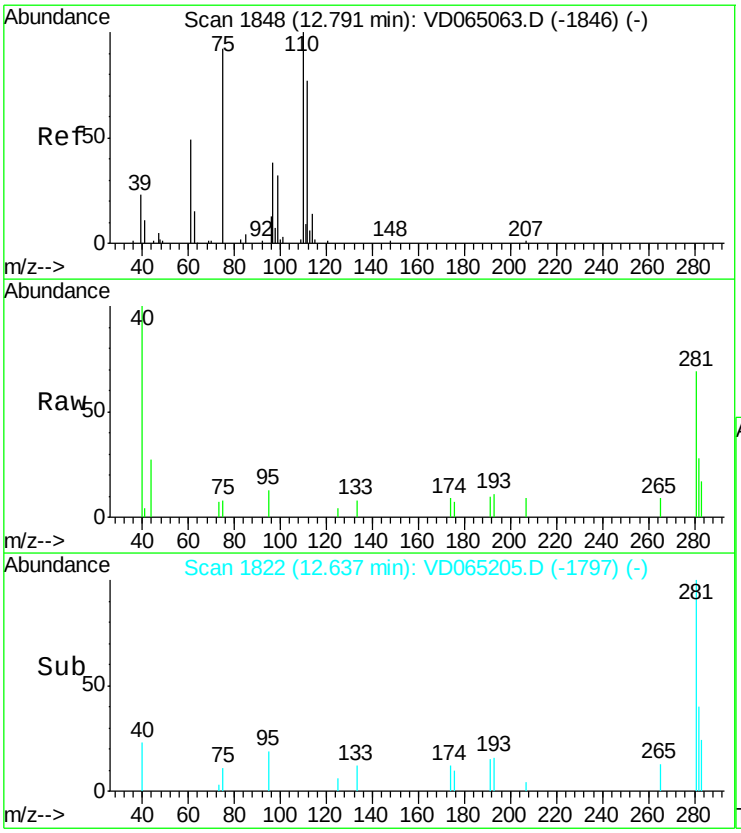

#74
N-amyl acetate
Concen: 4.828 ug/l
RT: 12.41 min Scan# 1783
Delta R.T. 0.11 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 43 Resp: 69

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 33.5 | 50.3# |
| 55 | 118.8 | 19.4 | 29.2# |
| 61 | 0.0 | 18.6 | 28.0# |

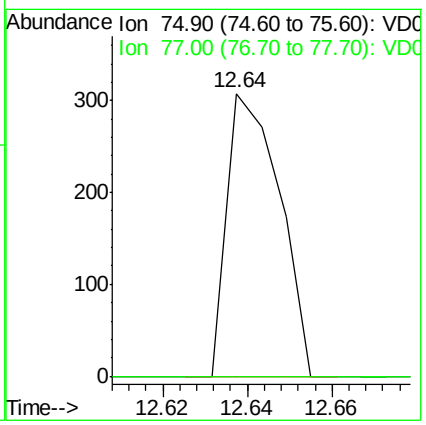


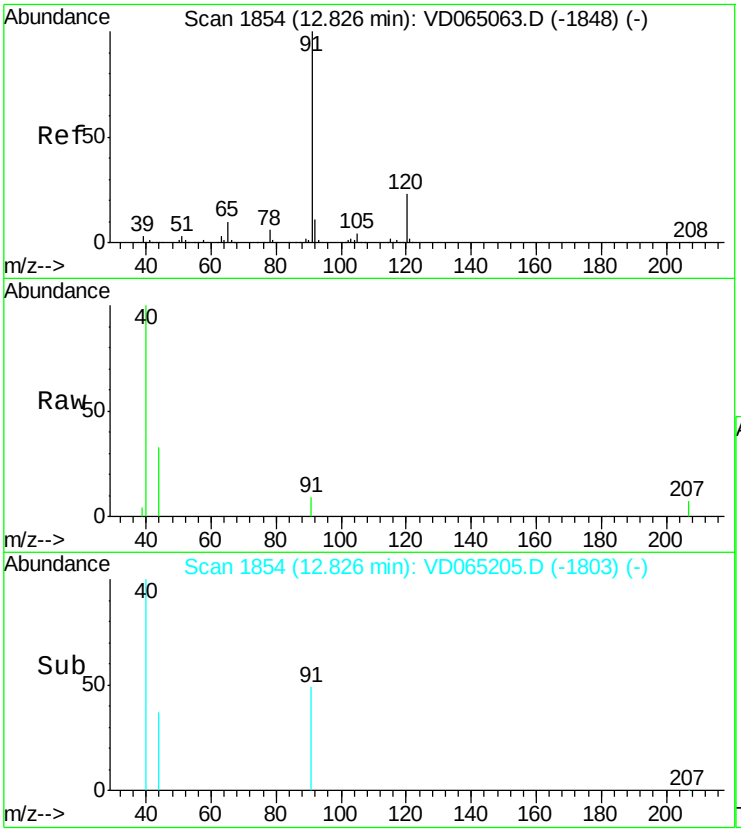




#76
1,2,3-Trichloropropane
Concen: 36.674 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 75 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



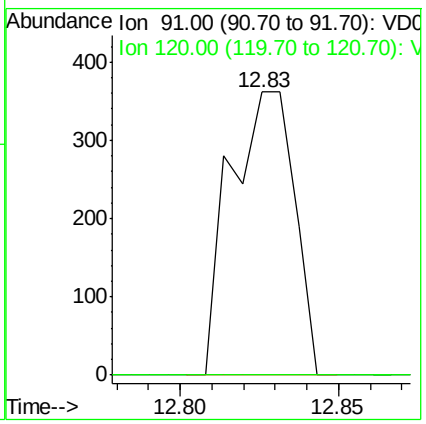


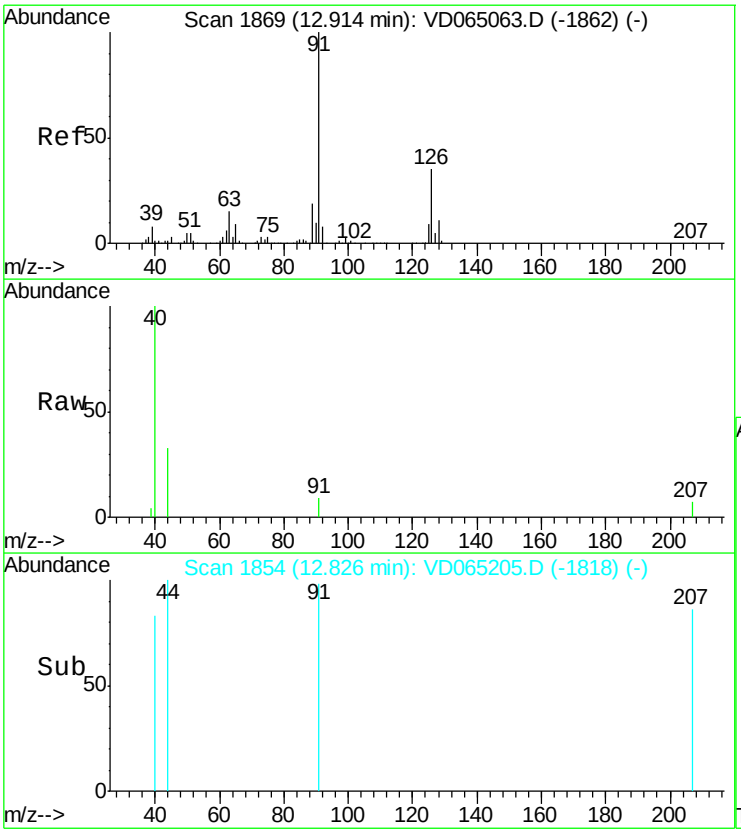

#78
n-propylbenzene
Concen: 6.597 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion: 91 Resp: 508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 0.0 | 11.8 | 35.3# |

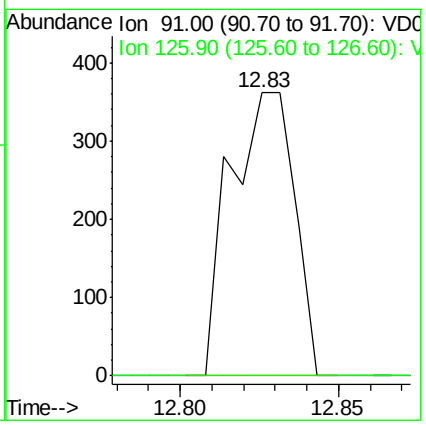


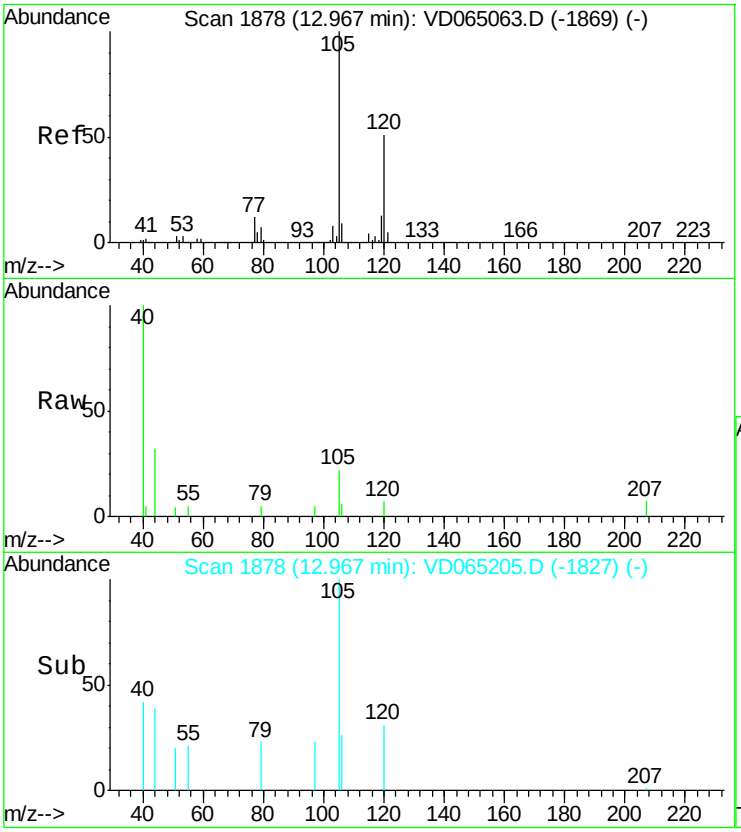




#79
2-Chlorotoluene
Concen: 11.835 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.09 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 91 Resp: 508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 17.4 | 52.3# |



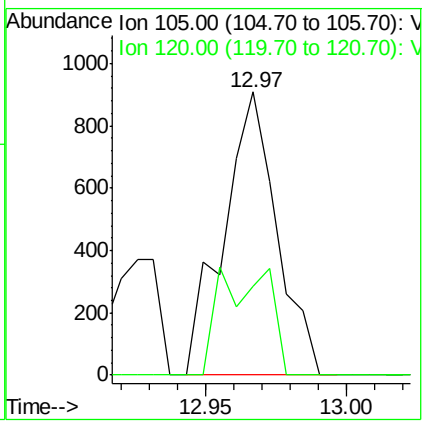


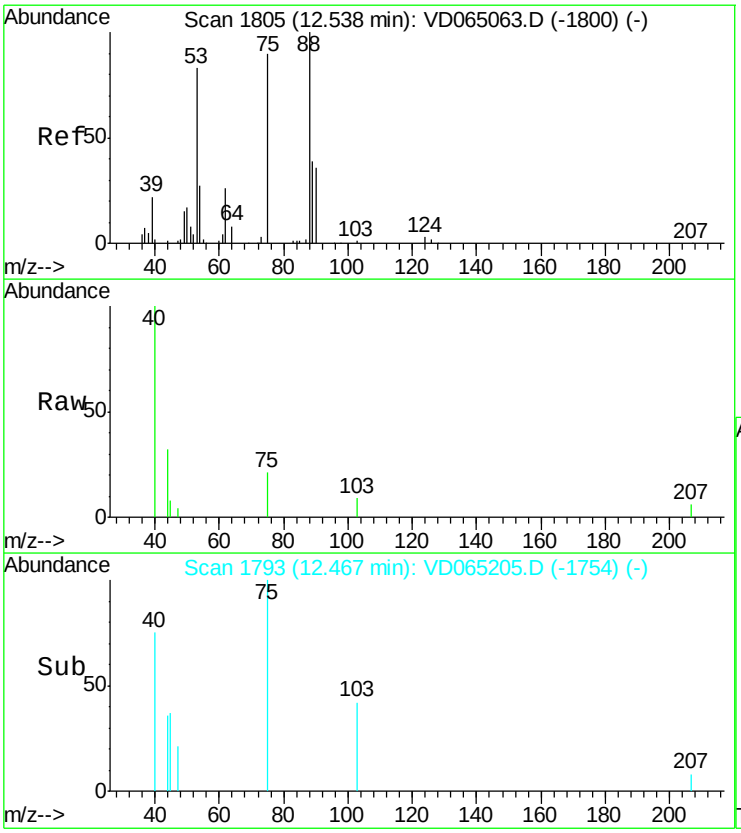

#80
1,3,5-Trimethylbenzene
Concen: 22.178 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion:105 Resp: 1193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 35.2 | 25.1 | 75.4 |

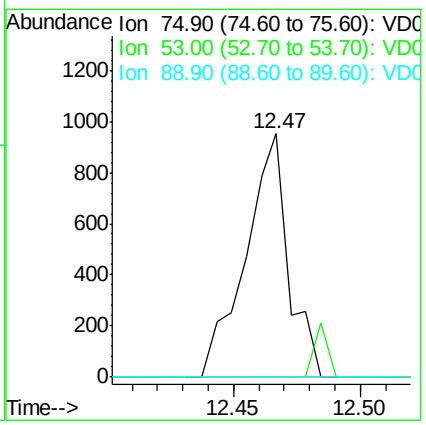


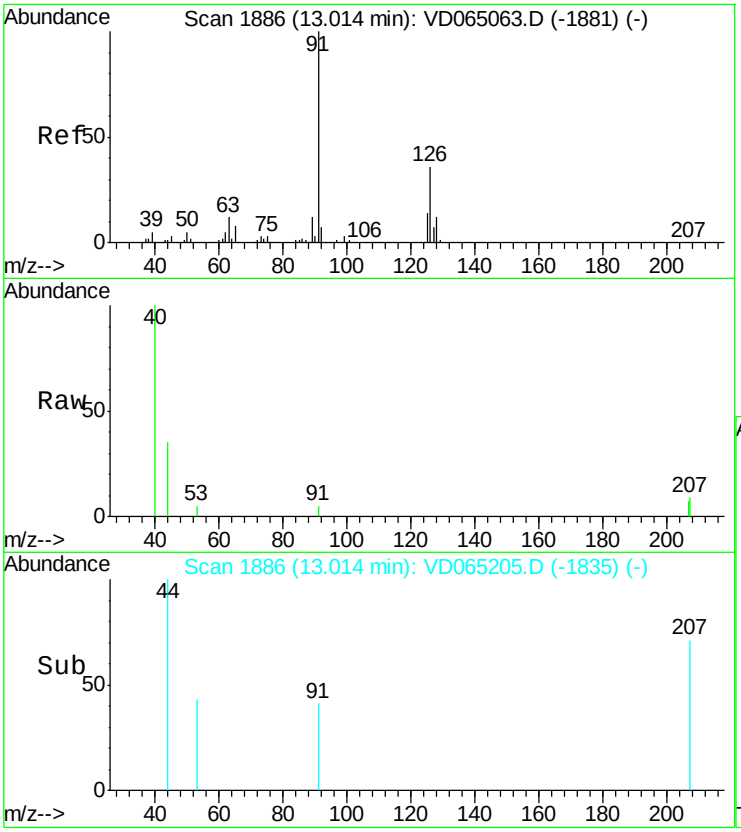




#81
trans-1,4-Dichloro-2-butene
Concen: 310.201 ug/l
RT: 12.47 min Scan# 1793
Delta R.T. -0.07 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 75 Resp: 1125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 6.7 | 78.5 | 117.7# |
| 89 | 0.0 | 37.0 | 55.4# |



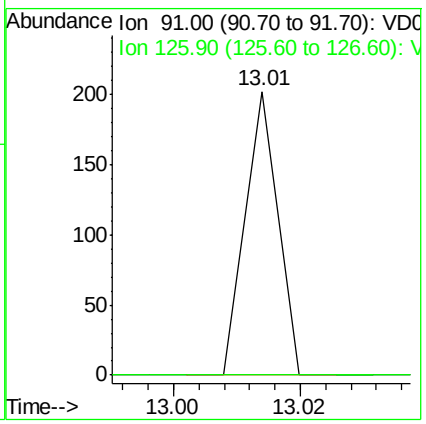


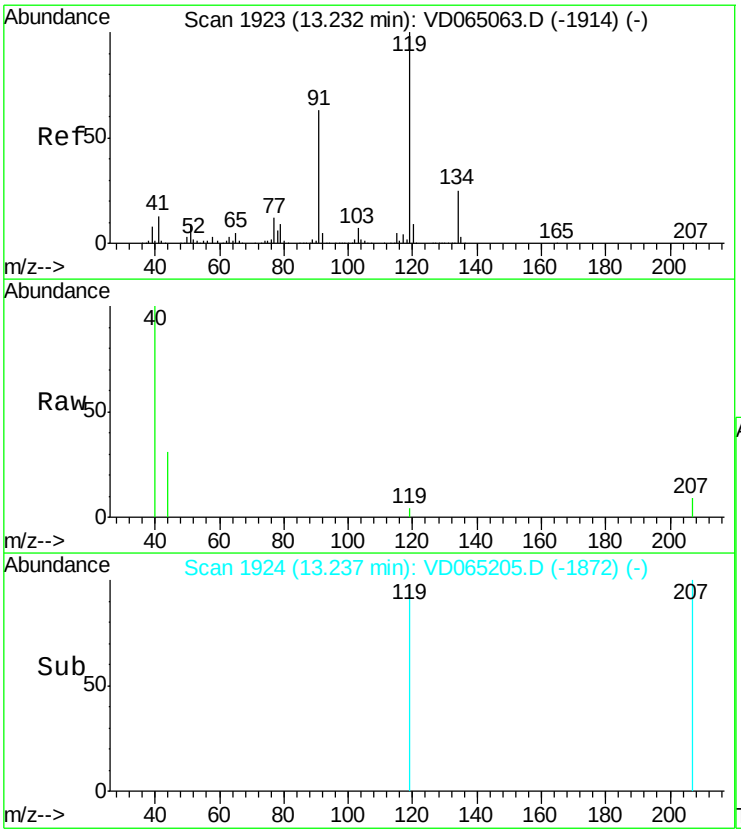

#82
4-Chlorotoluene
Concen: 1.575 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion: 91 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 17.5 | 52.5# |

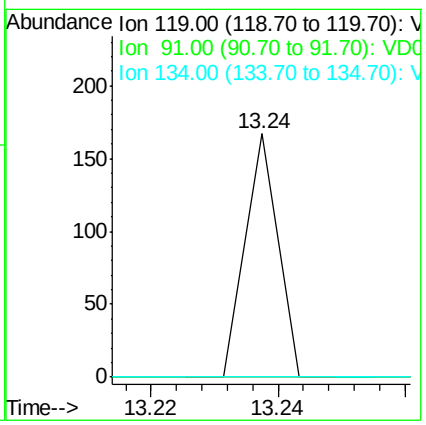


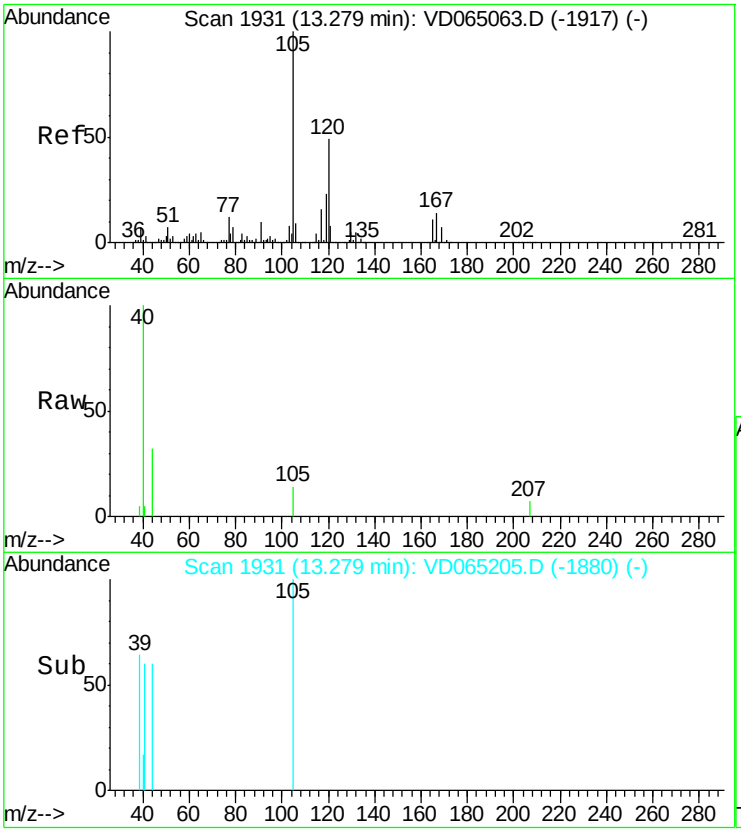




#83
tert-Butylbenzene
Concen: 1.271 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:119 Resp: 59

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 0.0 | 32.3 | 96.9# |
| 134 | 0.0 | 13.8 | 41.3# |



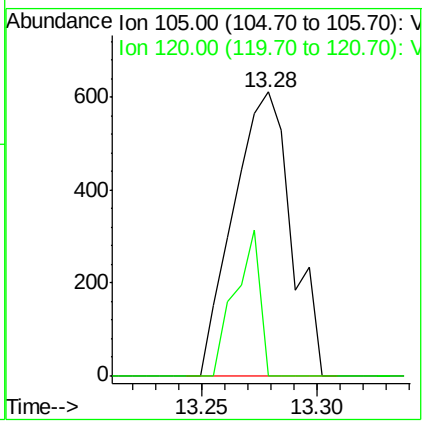


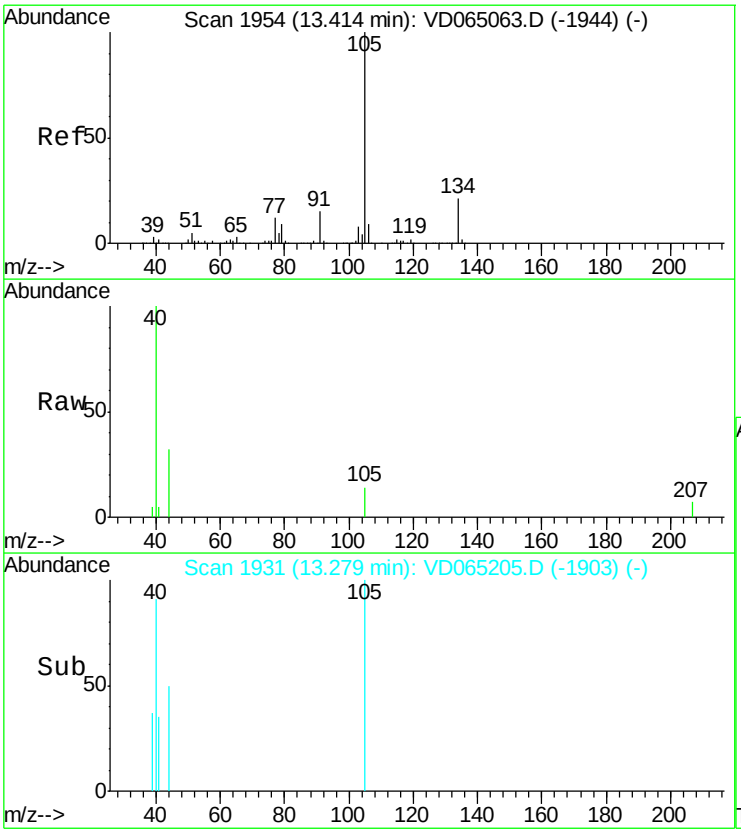

#84
1,2,4-Trimethylbenzene
Concen: 19.905 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion:105 Resp: 1063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.1 | 23.5 | 70.5# |

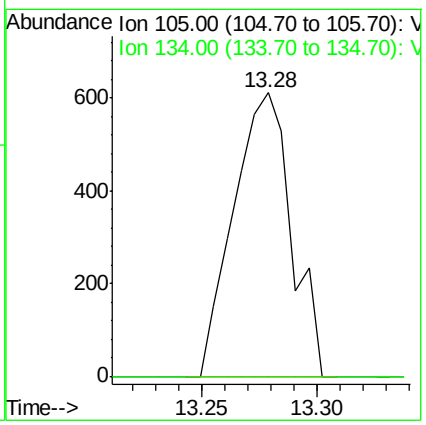


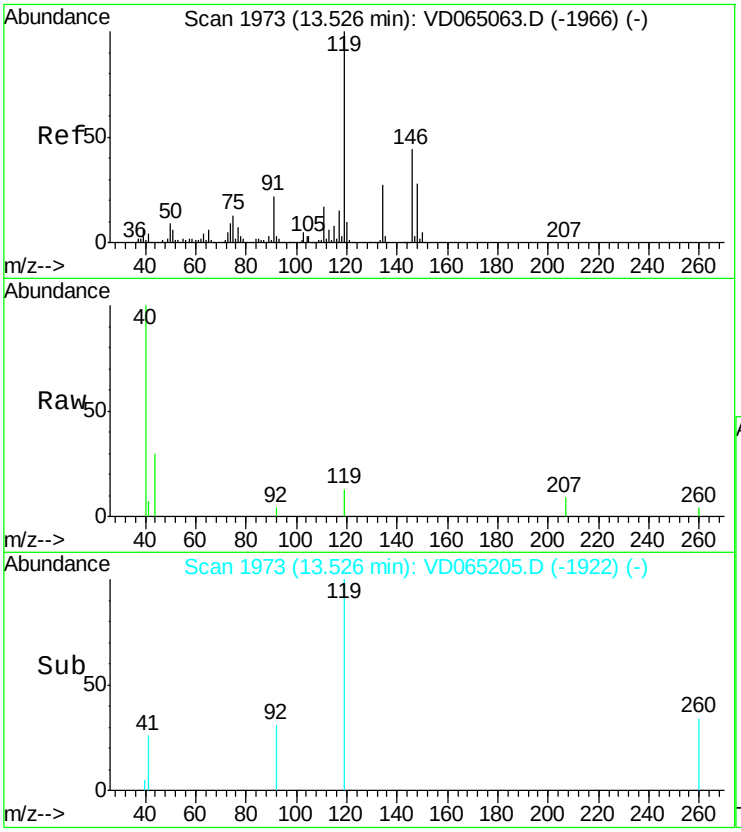




#85
sec-Butylbenzene
Concen: 16.770 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.14 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:105 Resp: 1063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 10.4 | 31.1# |



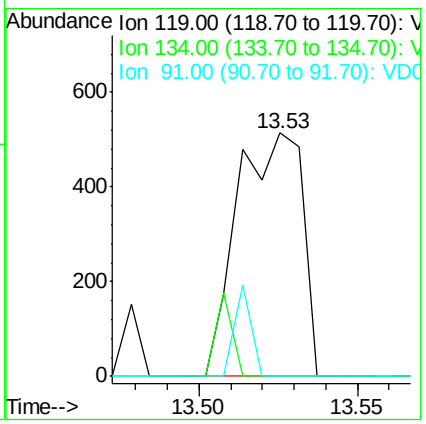


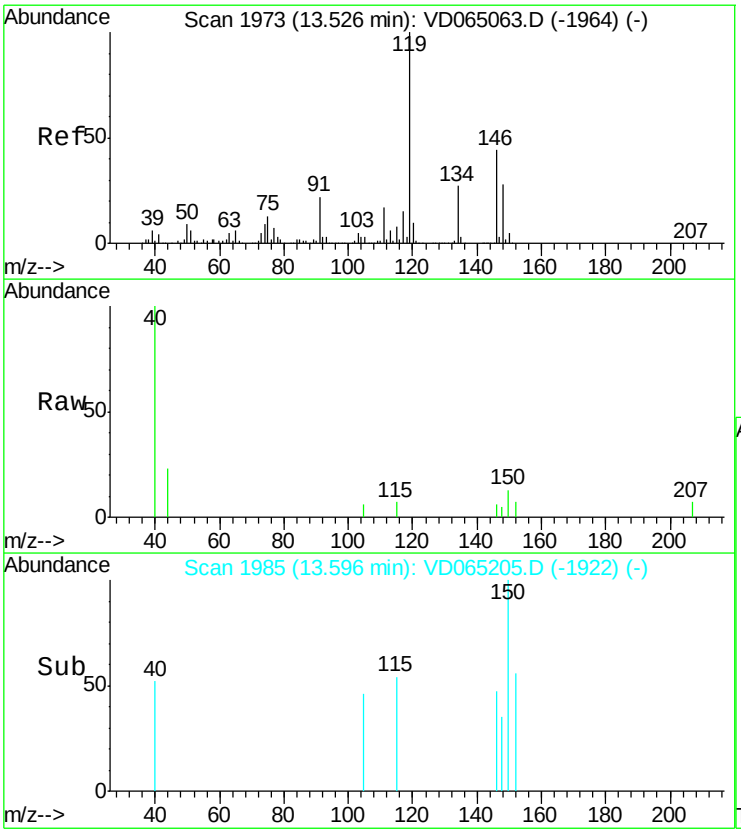

#86
p-Isopropyltoluene
Concen: 12.395 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion:119 Resp: 730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 8.5 | 13.5 | 40.5# |
| 91 | 9.3 | 11.3 | 33.9# |

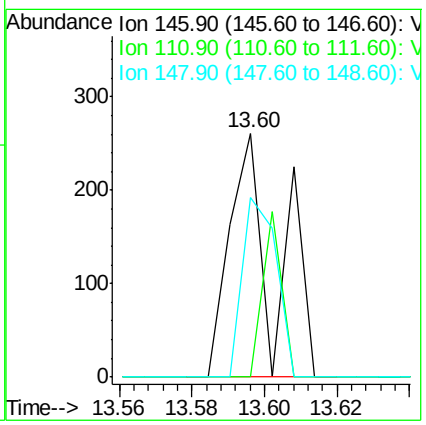


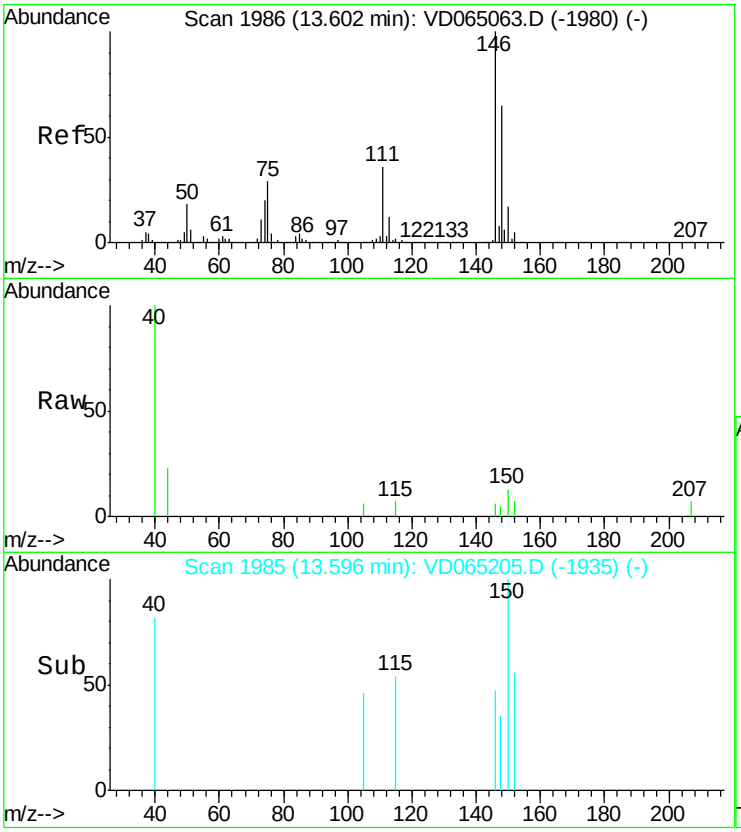




#87
1,3-Dichlorobenzene
Concen: 7.720 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. 0.07 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:146 Resp: 229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 27.1 | 19.4 | 58.4 |
| 148 | 54.1 | 32.3 | 96.8 |



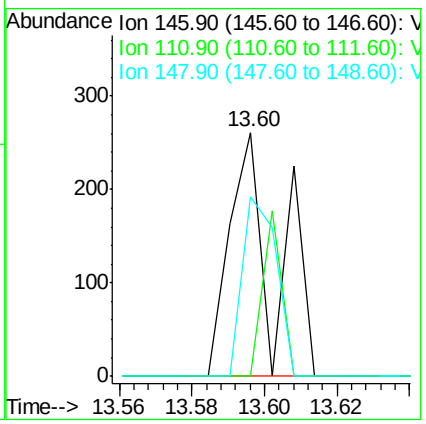


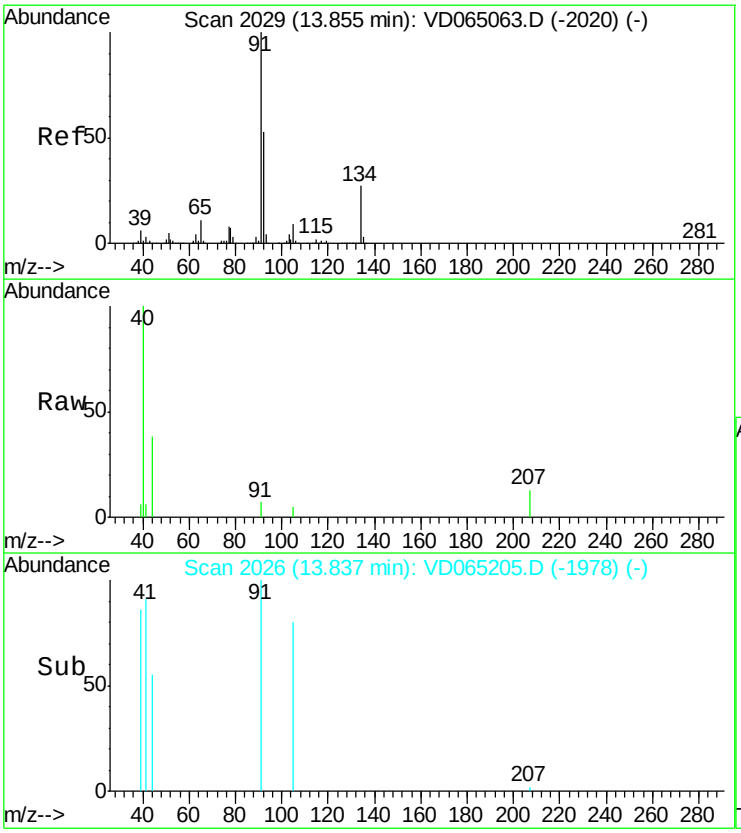

#88
1,4-Dichlorobenzene
Concen: 7.757 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:146 Resp: 229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 27.1 | 18.5 | 55.5 |
| 148 | 54.1 | 32.7 | 98.1 |

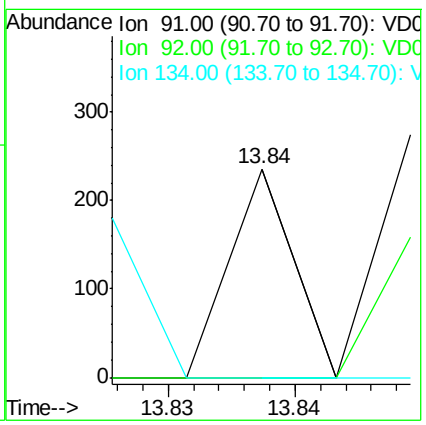


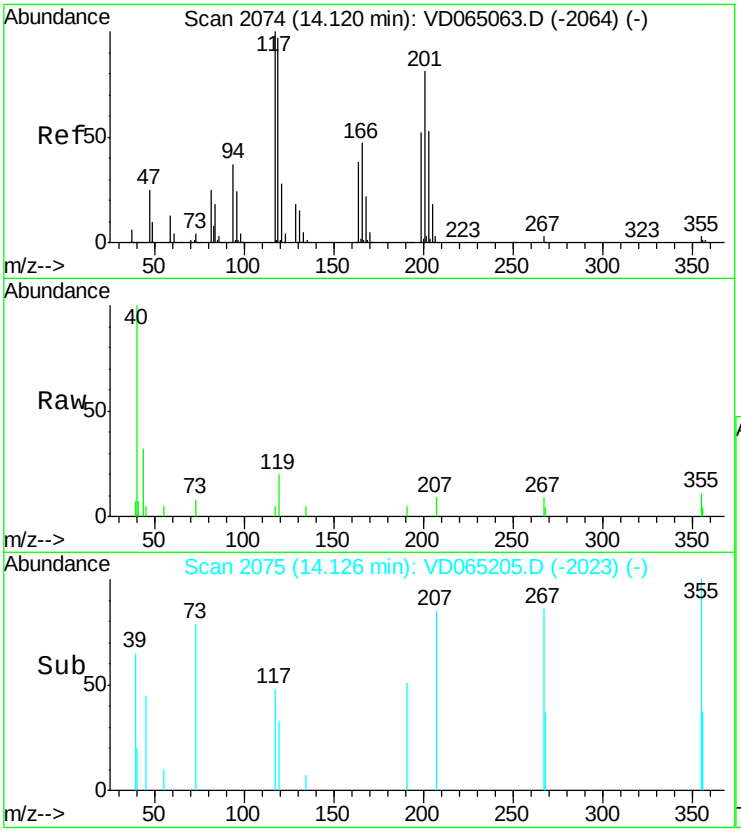




#89
n-Butylbenzene
Concen: 1.527 ug/l
RT: 13.84 min Scan# 2026
Delta R.T. -0.02 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion: 91 Resp: 83

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 208.4 | 26.7 | 80.1# |
| 134 | 0.0 | 13.4 | 40.2# |



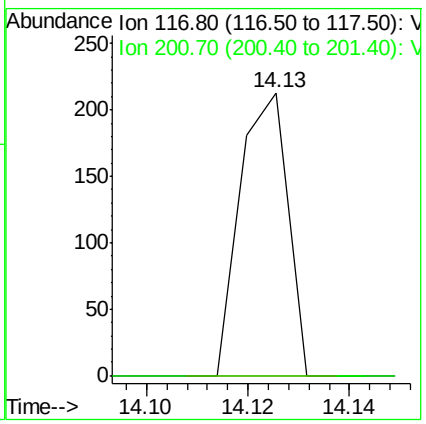


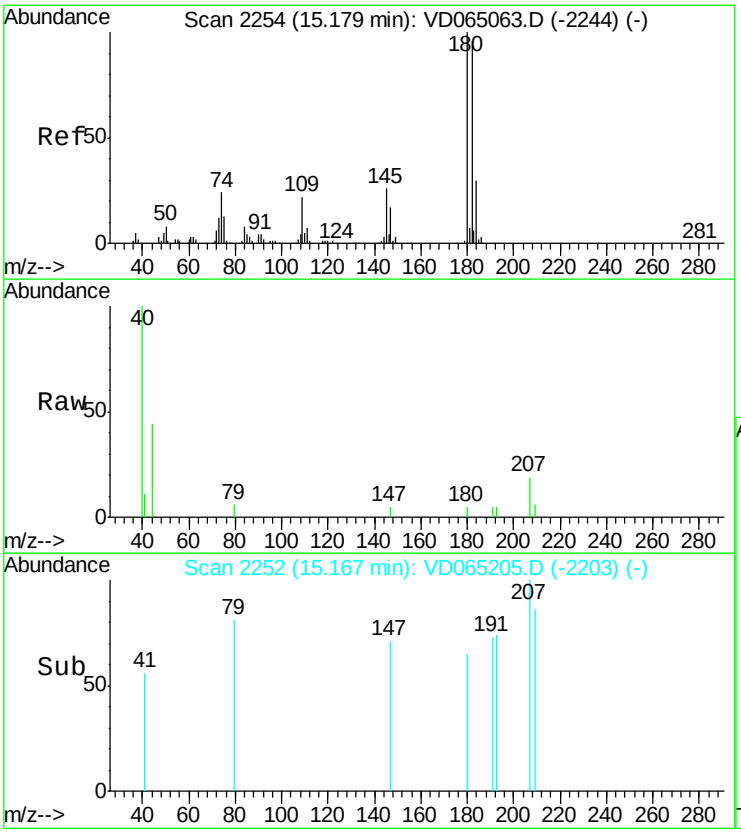

#90
Hexachloroethane
Concen: 12.464 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :** MSVOA_D
**ClientSampleId :** FK-SF-01-007-A

Tgt Ion:117 Resp: 139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 42.5 | 127.6# |

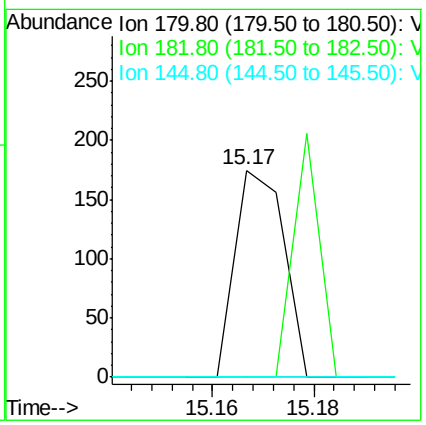


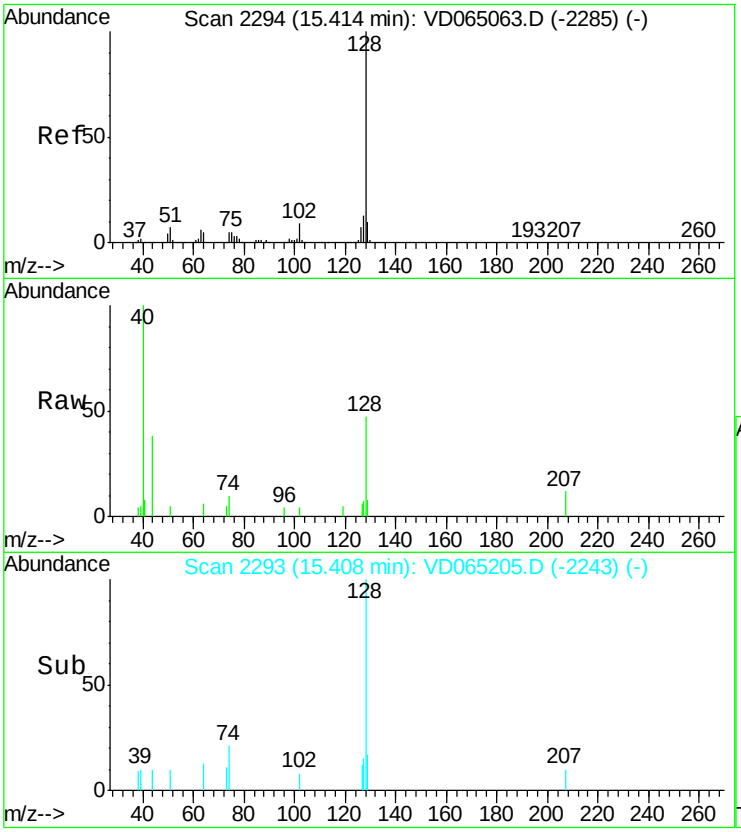




#93
1,2,4-Trichlorobenzene
Concen: 6.443 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

Tgt Ion:180 Resp: 117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 62.4 | 47.4 | 142.3 |
| 145 | 0.0 | 14.1 | 42.4# |






#95
Naphthalene
Concen: 110.698 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065205.D
Acq: 17 Feb 2020 19:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
FK-SF-01-007-A

Tgt Ion:128 Resp: 3341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 19.3 | 10.6 | 15.8# |
| 129 | 17.9 | 8.7 | 13.1# |