

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112818\  
 Data File : VN052510.D  
 Acq On : 28 Nov 2018 10:57  
 Operator : MD\SY  
 Sample : J6055-02ME  
 Misc : 4.03g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RICH-REC-ROAD-STONE-7ME

Quant Time: Nov 28 13:41:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 28 01:11:38 2018  
 Response via : Initial Calibration

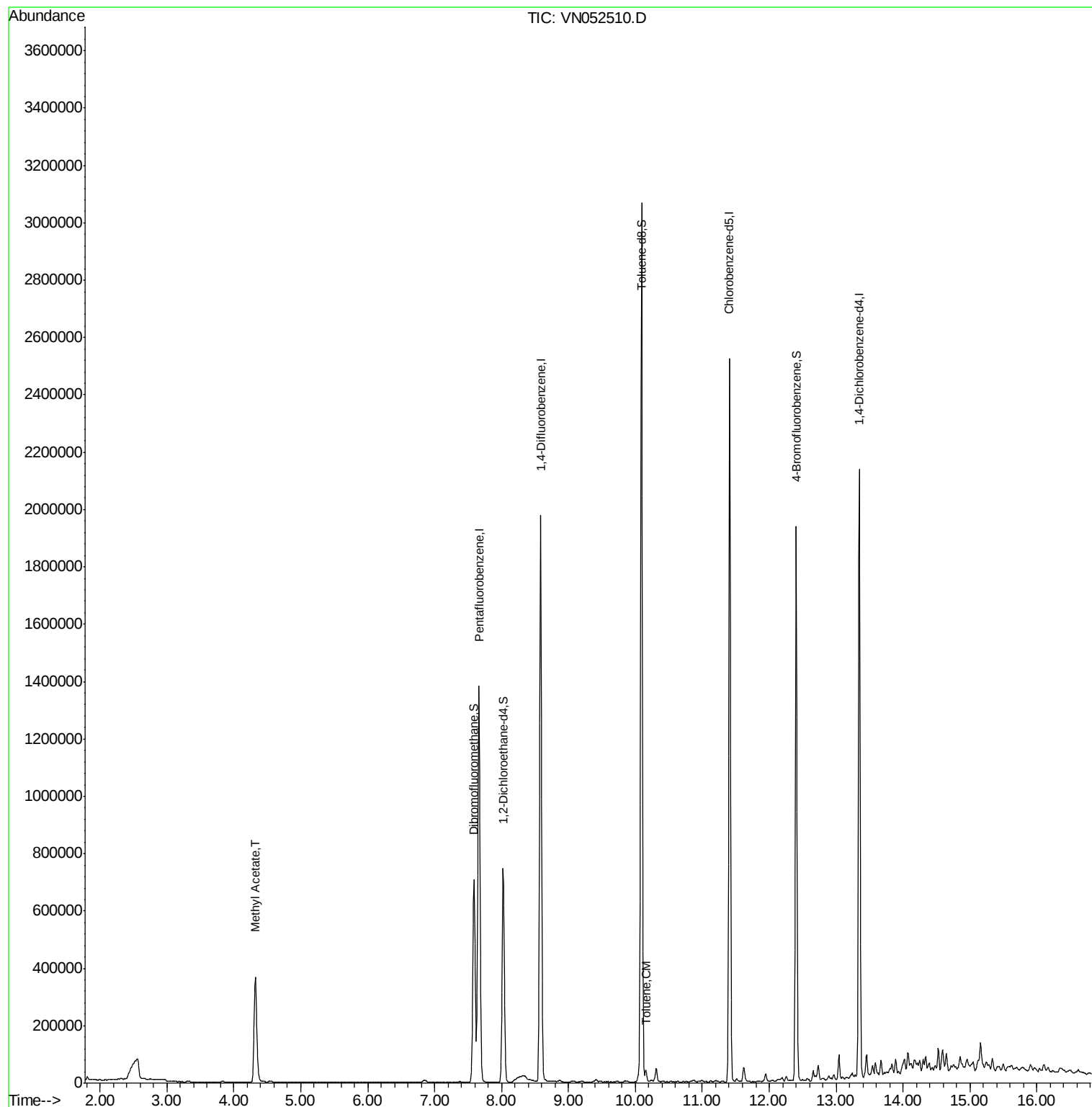
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1196397  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1797741  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1512455  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 594462   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 615688   | 47.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.52%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 543206   | 49.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.02%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2165436  | 50.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.38% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 670303   | 46.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.48%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 4.32  | 43   | 715429   | 72.590 | ug/l    | 99       |
| 52) Toluene                 | 10.16 | 92   | 14008    | 0.466  | ug/l    | 98       |

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

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RICH-REC-ROAD-STONE-7ME

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 28 01:11:38 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052510.D

Acq: 28 Nov 2018 10:57

Instrument :

MSVOA\_N

ClientSampleId :

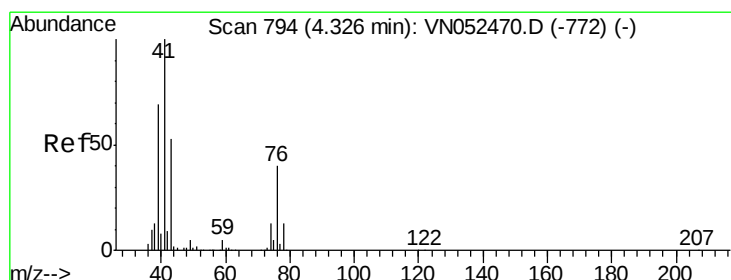
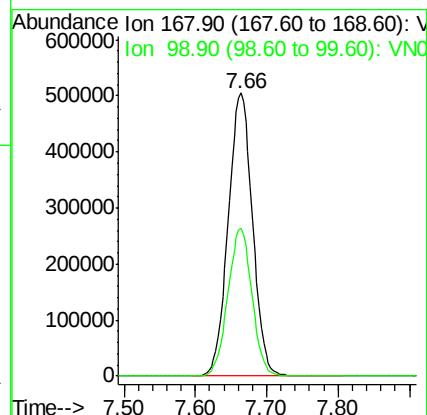
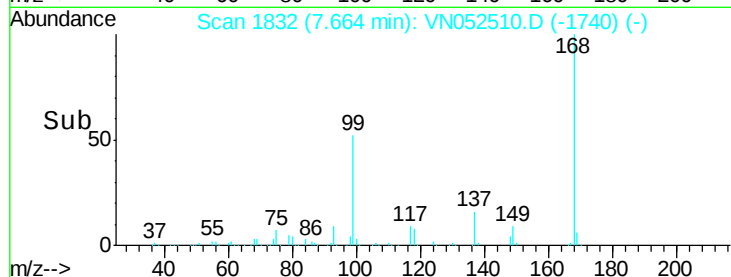
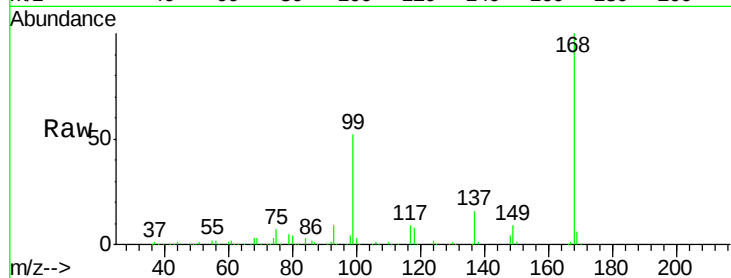
RICH-REC-ROAD-STONE-7ME

Tot Ion:168 Resp: 1196397

Ion Ratio Lower Upper

168 100

99 52.2 41.7 62.5



#18

Methyl Acetate

Concen: 72.590 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN052510.D

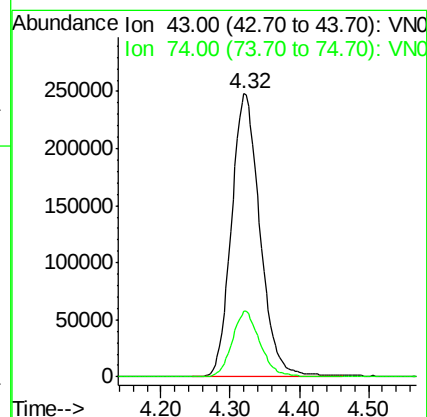
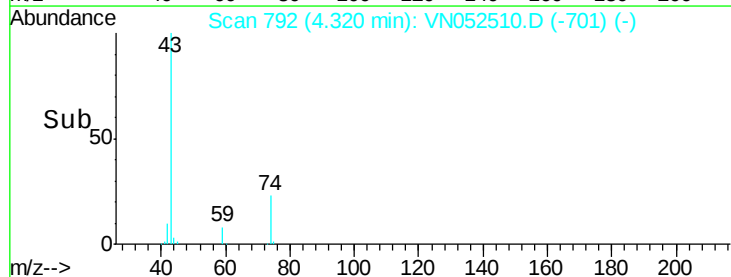
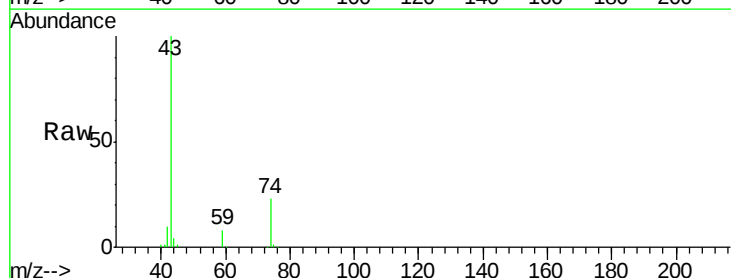
Acq: 28 Nov 2018 10:57

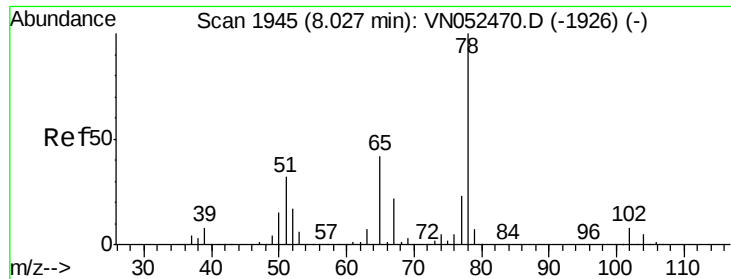
Tgt Ion: 43 Resp: 715429

Ion Ratio Lower Upper

43 100

74 22.6 18.6 27.8

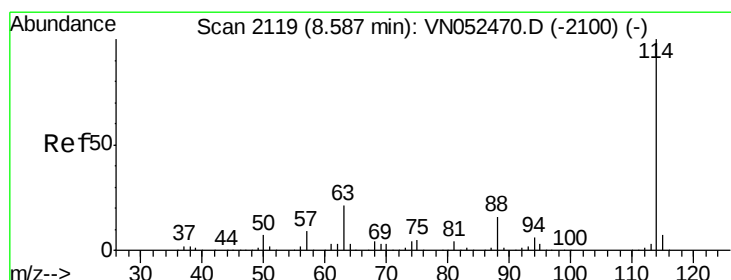
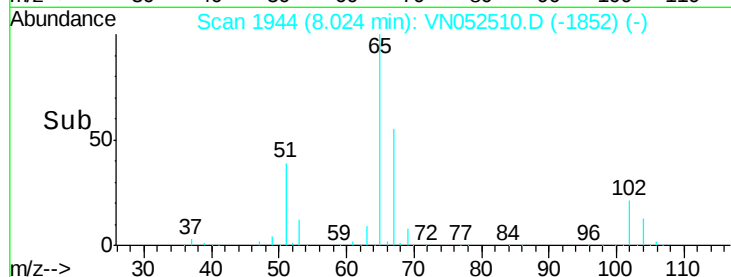
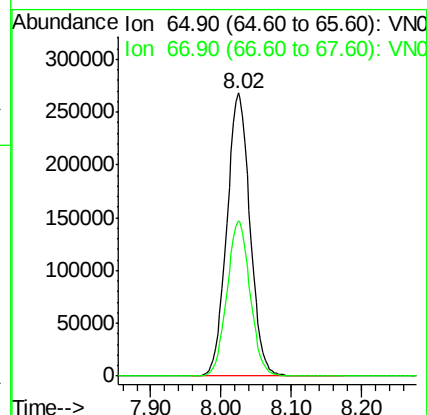
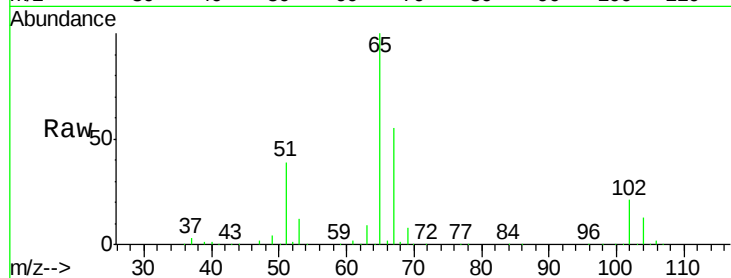




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN052510.D  
 Acq: 28 Nov 2018 10:57

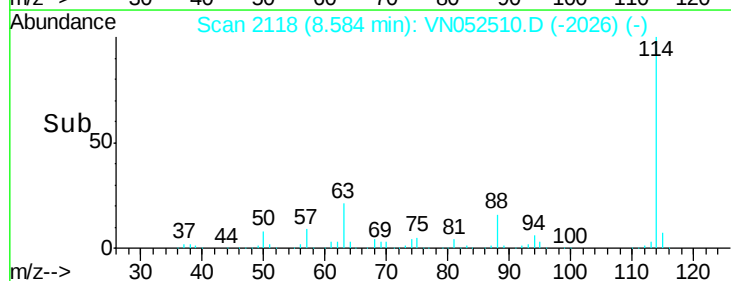
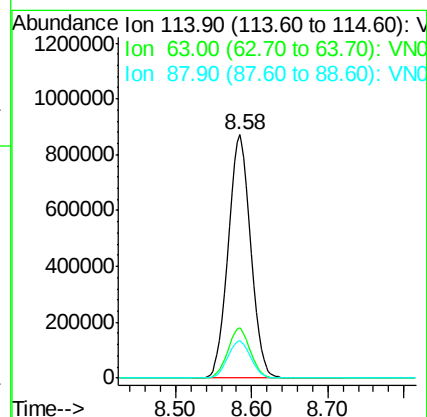
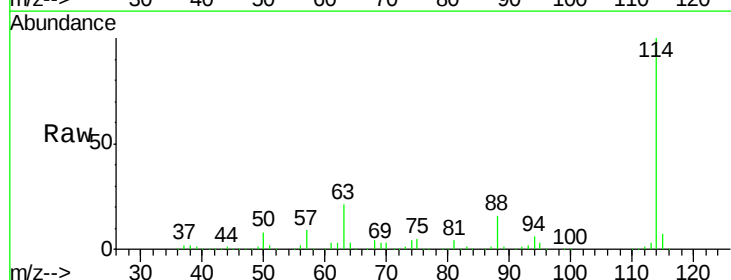
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RICH-REC-ROAD-STONE-7ME

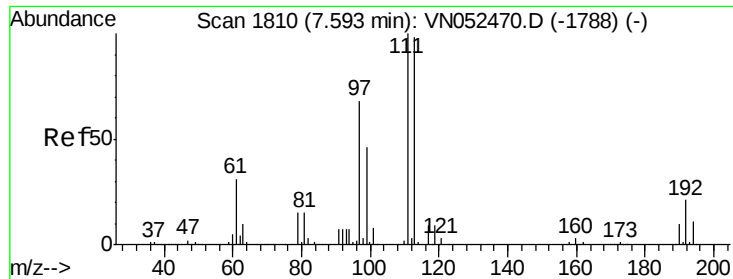
Tot Ion: 65 Resp: 615688  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN052510.D  
 Acq: 28 Nov 2018 10:57

Tgt Ion: 114 Resp: 1797741  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 41.8  
 88 15.5 0.0 31.6

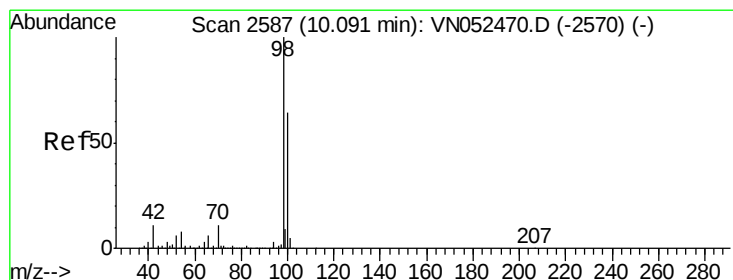
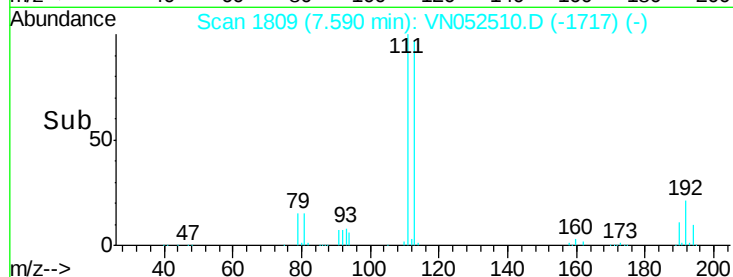
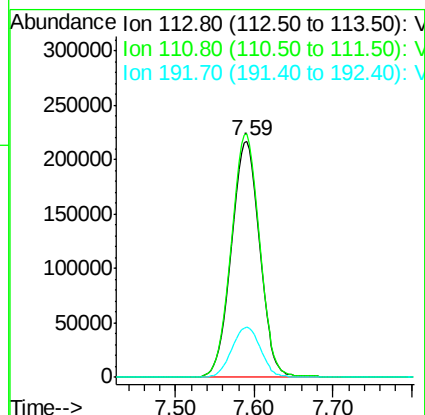
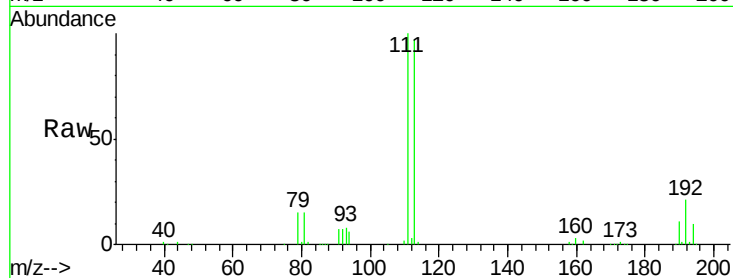




#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN052510.D  
Acq: 28 Nov 2018 10:57

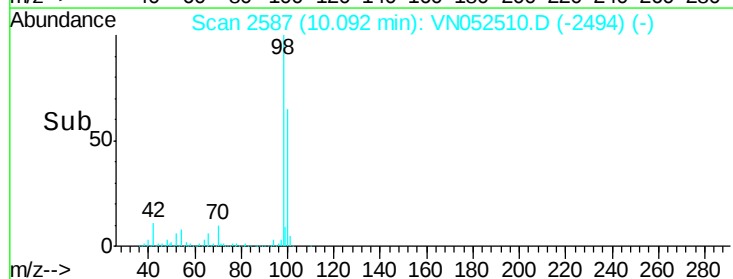
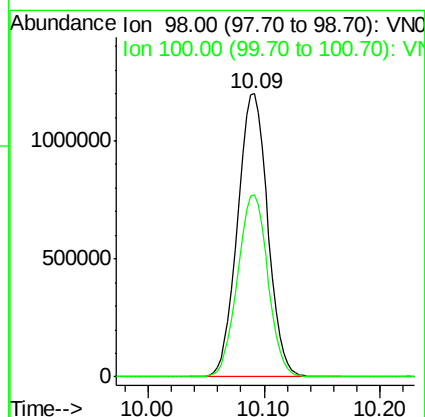
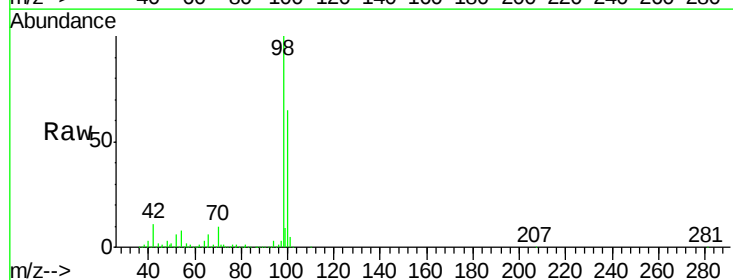
Instrument :  
MSVOA\_N  
ClientSampleId :  
RICH-REC-ROAD-STONE-7ME

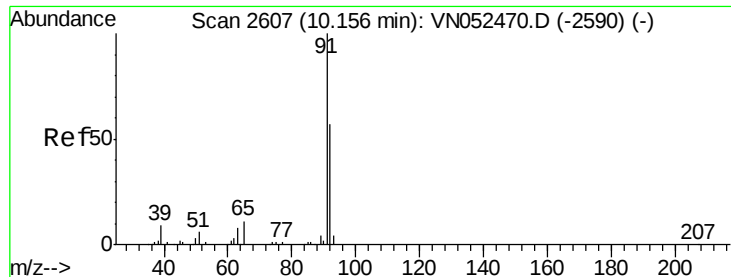
Tot Ion:113 Resp: 543206  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.0 123.0  
192 21.5 17.0 25.6



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052510.D  
Acq: 28 Nov 2018 10:57

Tgt Ion: 98 Resp: 2165436  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.3 76.9





#52

Toluene

Concen: 0.466 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052510.D

Acq: 28 Nov 2018 10:57

Instrument :

MSVOA\_N

ClientSampleId :

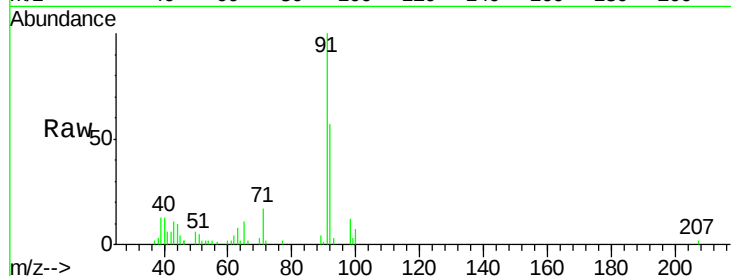
RICH-REC-ROAD-STONE-7ME

Tot Ion: 92 Resp: 14008

Ion Ratio Lower Upper

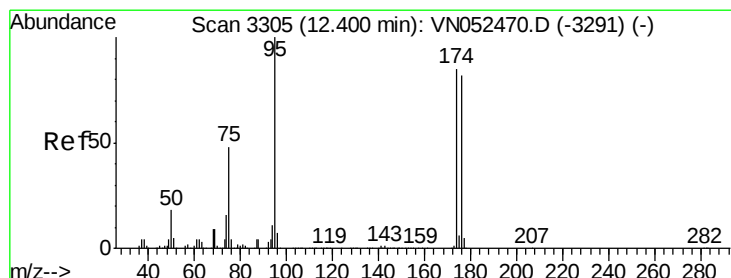
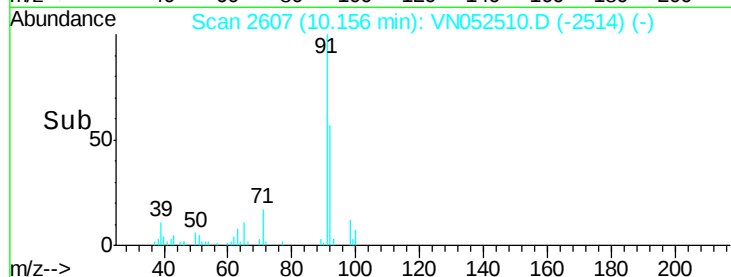
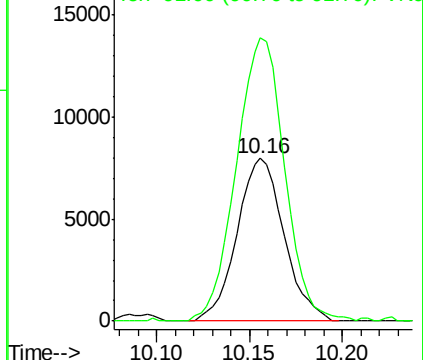
92 100

91 179.3 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052510.D

Acq: 28 Nov 2018 10:57

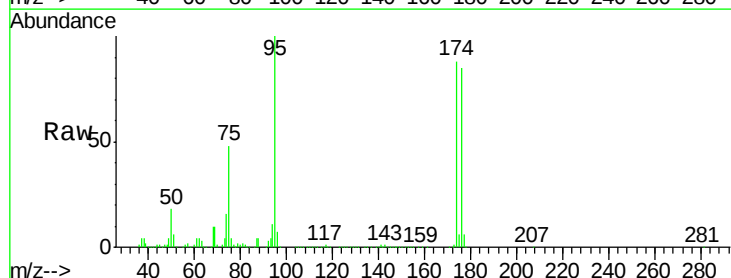
Tgt Ion: 95 Resp: 670303

Ion Ratio Lower Upper

95 100

174 86.3 0.0 173.0

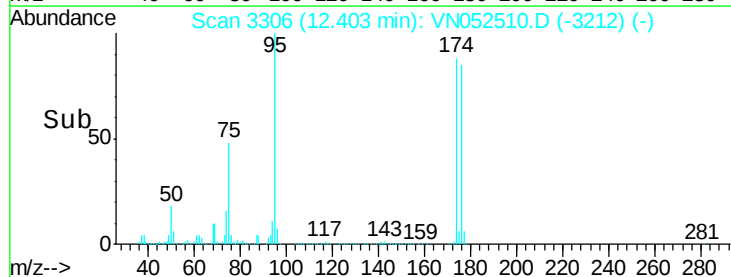
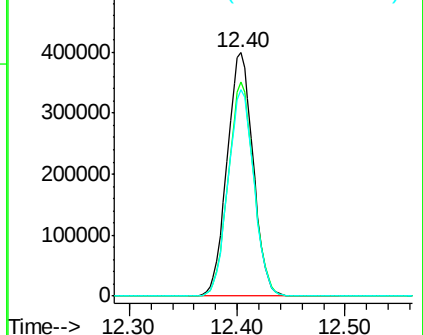
176 84.3 0.0 166.2

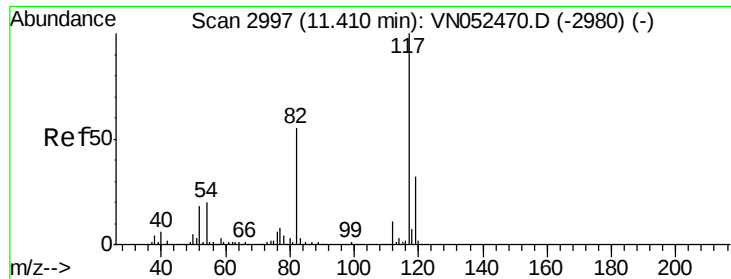


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

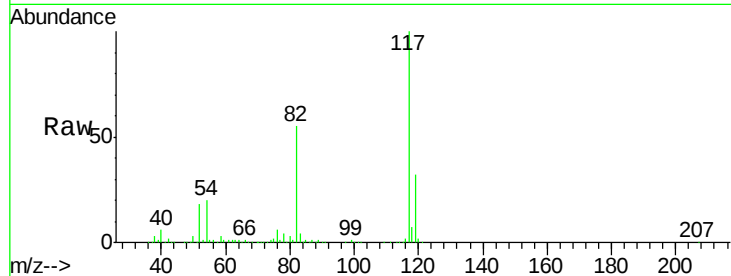




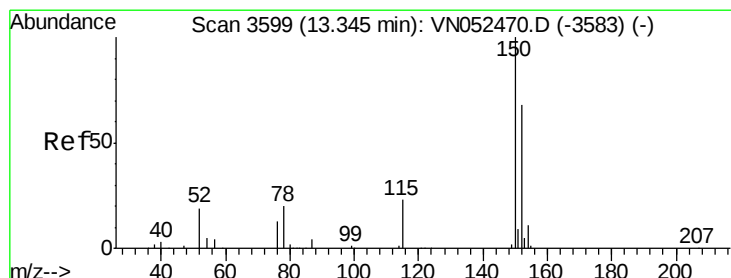
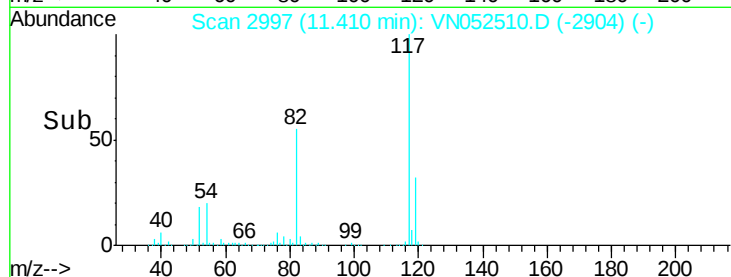
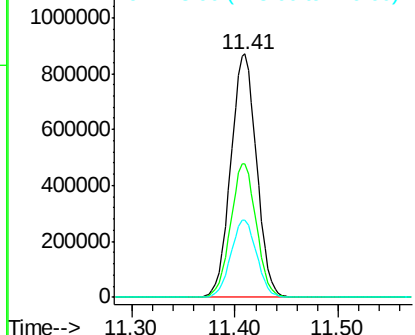
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052510.D  
Acq: 28 Nov 2018 10:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
RICH-REC-ROAD-STONE-7ME

Tot Ion:117 Resp: 1512455  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.6 65.4  
119 31.9 25.4 38.2

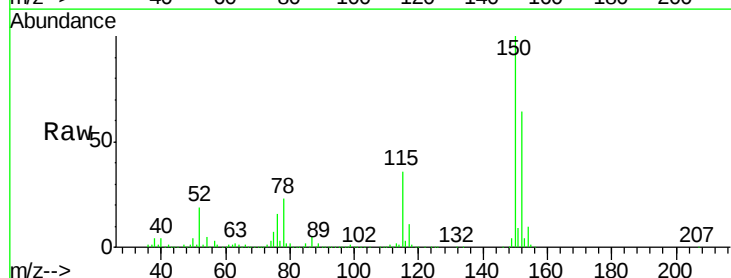


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN052510.D  
Acq: 28 Nov 2018 10:57

Tgt Ion:152 Resp: 594462  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.4 85.2  
150 156.4 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

