

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\  
 Data File : VN061857.D  
 Acq On : 17 Jun 2020 18:39  
 Operator : JC/MD  
 Sample : L3003-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S49-0570

Quant Time: Jun 18 06:25:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 144066   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 253071   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 245966   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 106956   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65   | 90583    | 46.88 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.76%  |          |
| 35) Dibromofluoromethane    | 7.55   | 113  | 80953    | 50.00 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.00% |          |
| 50) Toluene-d8              | 10.06  | 98   | 313951   | 49.32 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.38  | 95   | 109884   | 50.33 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.66% |          |

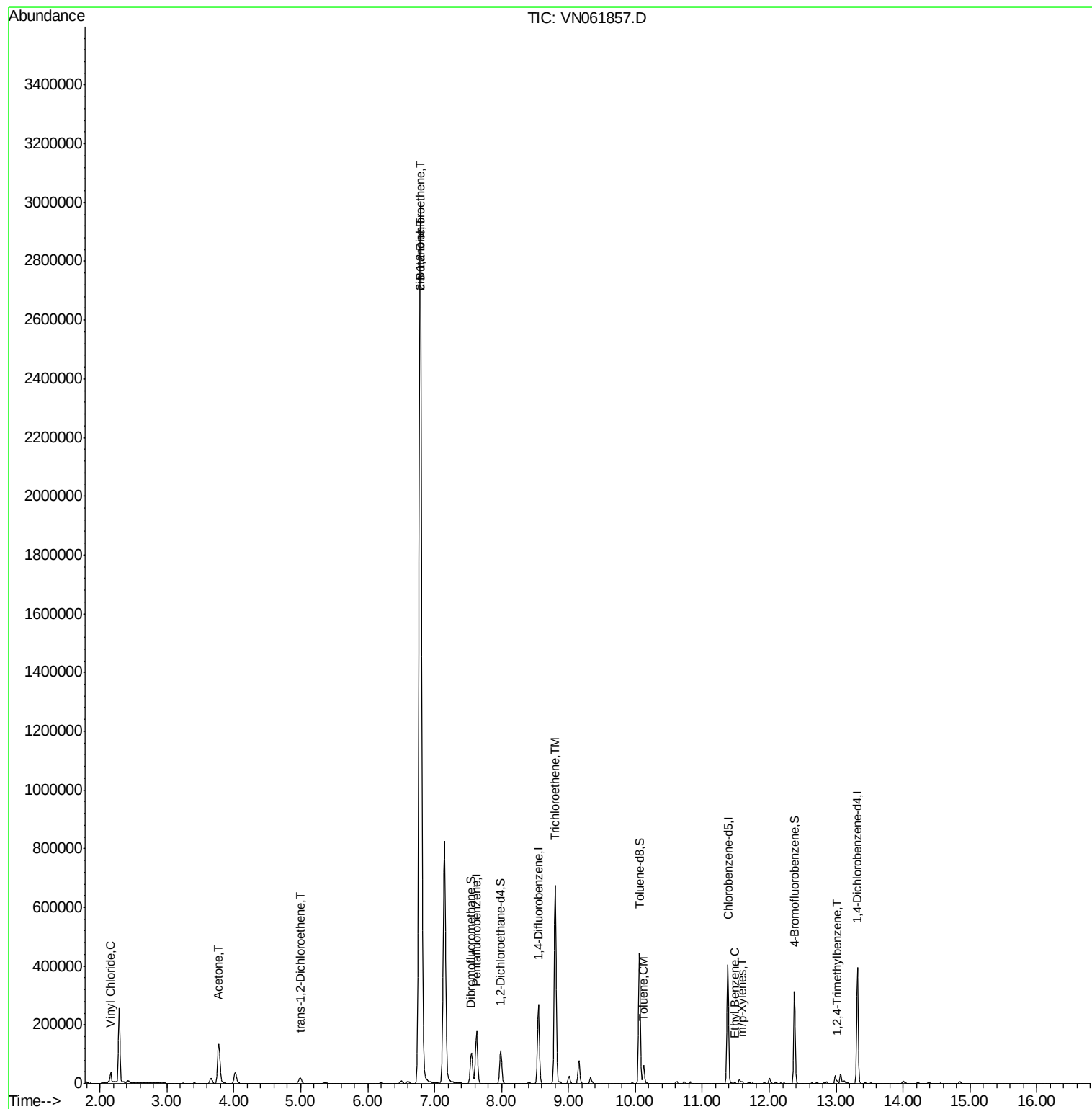
| Target Compounds             | R.T.  | QIon | Response | Conc     | Units | Qvalue |
|------------------------------|-------|------|----------|----------|-------|--------|
| 4) Vinyl Chloride            | 2.16  | 62   | 30358    | 12.735   | ug/l  | 100    |
| 16) Acetone                  | 3.77  | 43   | 218042   | 382.048  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene | 4.99  | 96   | 14438    | 8.587    | ug/l  | 95     |
| 25) 2-Butanone               | 6.79  | 43   | 4795610  | 5759.255 | ug/l  | 94     |
| 27) cis-1,2-Dichloroethene   | 6.78  | 96   | 104505   | 53.869   | ug/l  | 90     |
| 44) Trichloroethene          | 8.80  | 130  | 259098   | 140.798  | ug/l  | 97     |
| 52) Toluene                  | 10.13 | 92   | 27342    | 6.226    | ug/l  | 97     |
| 67) Ethyl Benzene            | 11.48 | 91   | 2645     | 0.304    | ug/l  | 89     |
| 68) m/p-Xylenes              | 11.59 | 106  | 2534     | 0.755    | ug/l  | 90     |
| 84) 1,2,4-Trimethylbenzene   | 13.02 | 105  | 4887     | 0.787    | ug/l  | 96     |

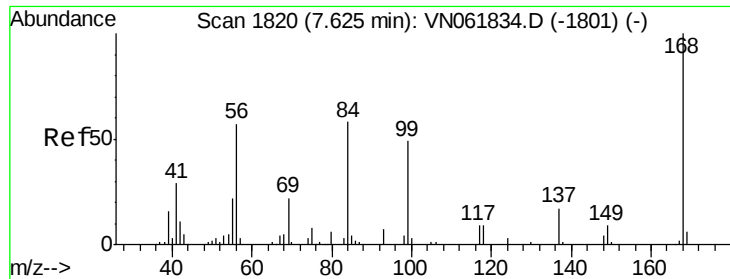
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061857.D

Acq: 17 Jun 2020 18:39

Instrument :

MSVOA\_N

ClientSampleId :

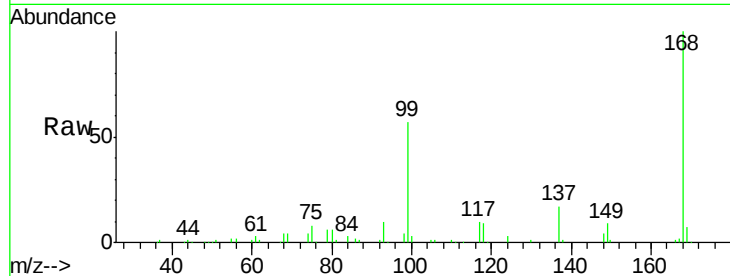
S49-0570

Tot Ion:168 Resp: 144066

Ion Ratio Lower Upper

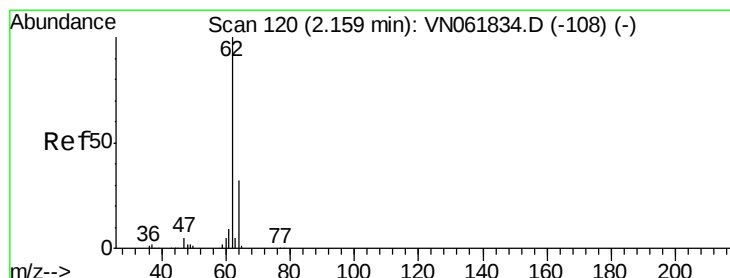
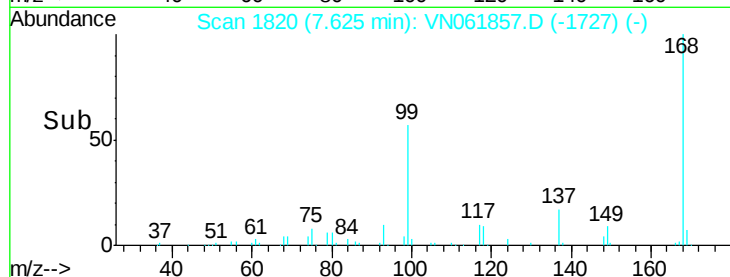
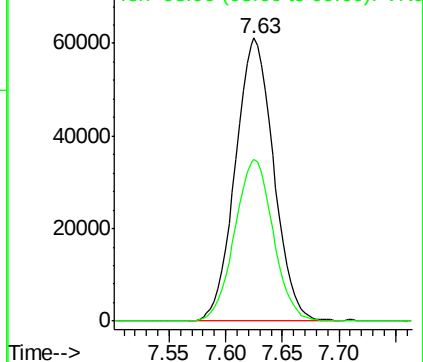
168 100

99 57.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 12.735 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061857.D

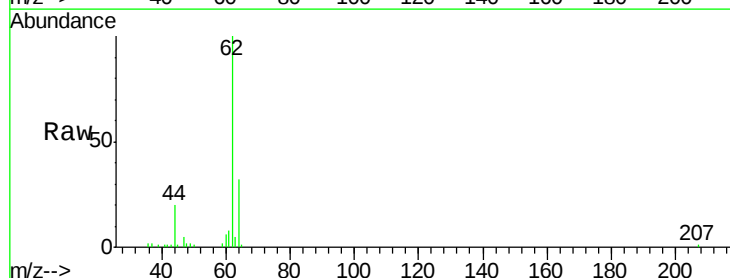
Acq: 17 Jun 2020 18:39

Tgt Ion: 62 Resp: 30358

Ion Ratio Lower Upper

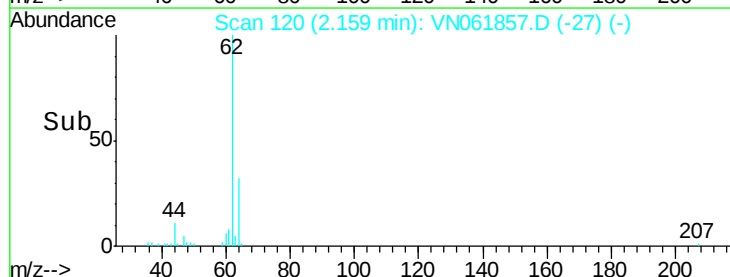
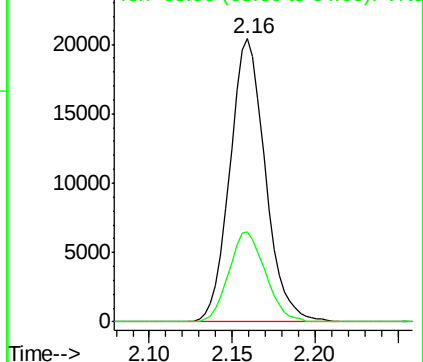
62 100

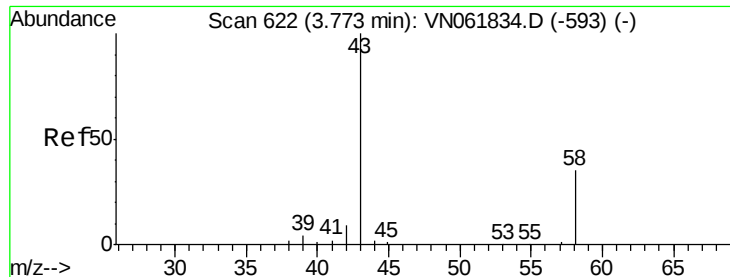
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

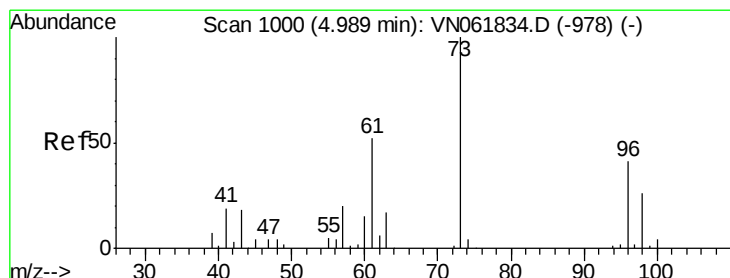
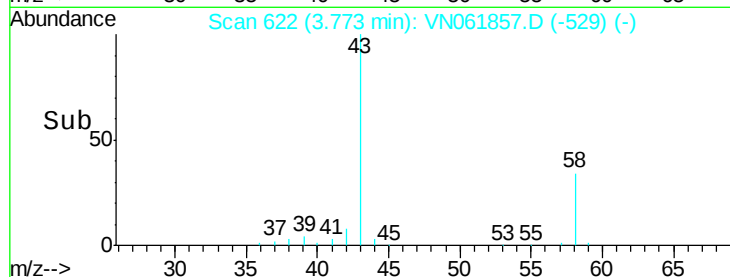
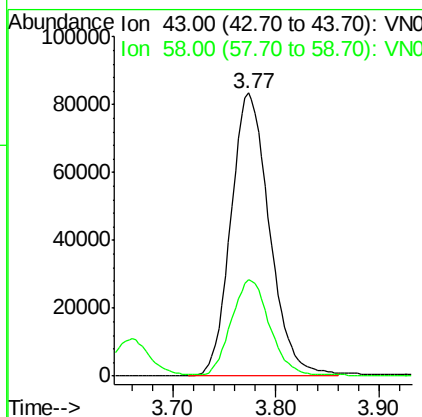
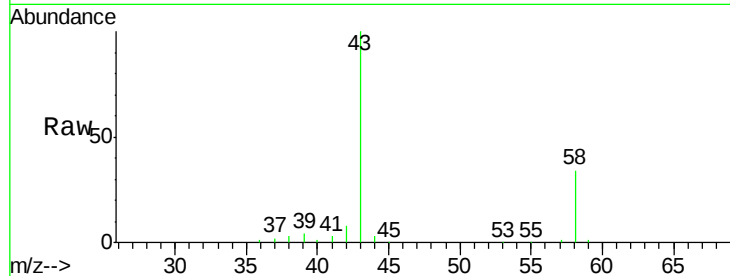




#16  
Acetone  
Concen: 382.048 ug/l  
RT: 3.77 min Scan# 622  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

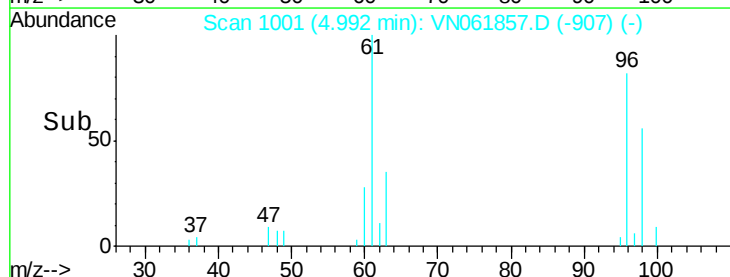
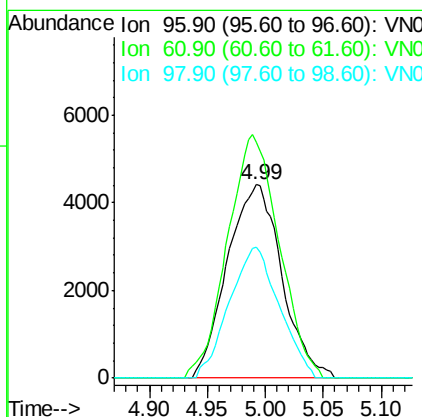
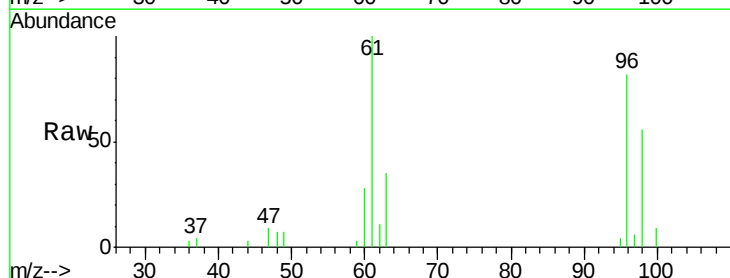
Instrument :  
MSVOA\_N  
ClientSampleId :  
S49-0570

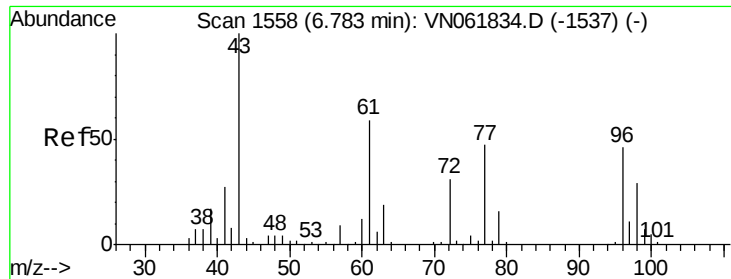
Tot Ion: 43 Resp: 218042  
Ion Ratio Lower Upper  
43 100  
58 33.6 27.8 41.8



#21  
trans-1,2-Dichloroethene  
Concen: 8.587 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion: 96 Resp: 14438  
Ion Ratio Lower Upper  
96 100  
61 121.8 102.2 153.4  
98 67.6 51.2 76.8

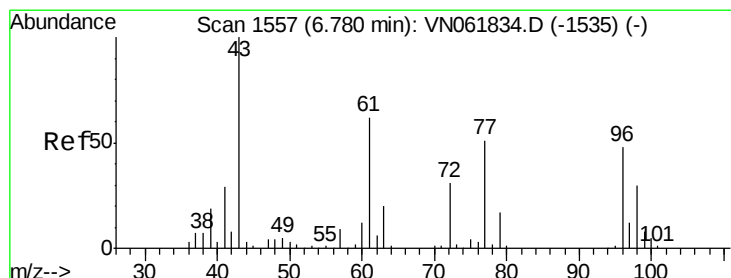
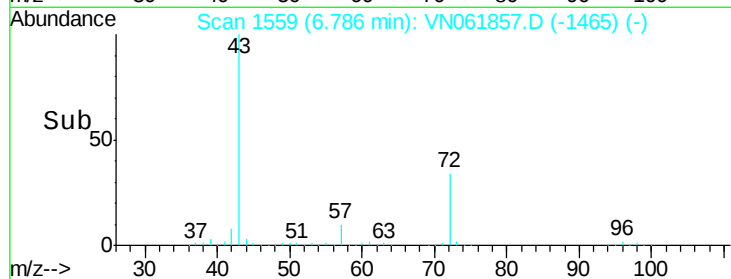
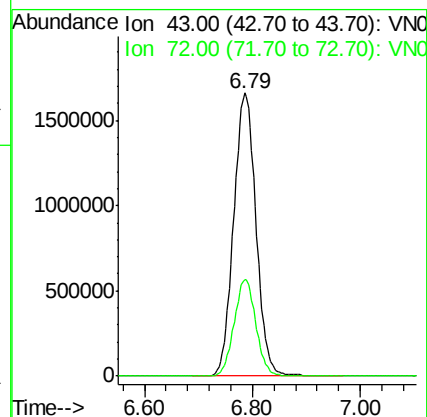
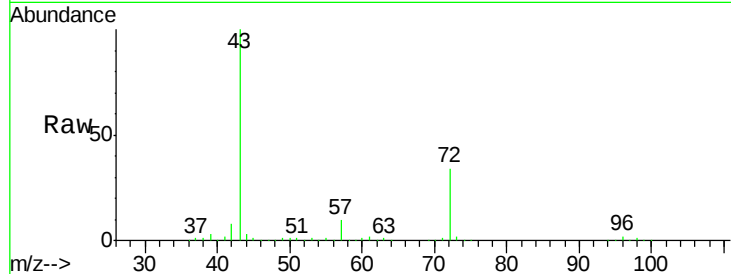




#25  
2-Butanone  
Concen: 5759.255 ug/l  
RT: 6.79 min Scan# 1559  
Delta R.T. 0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

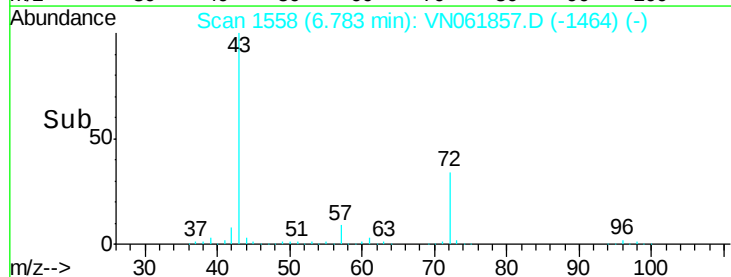
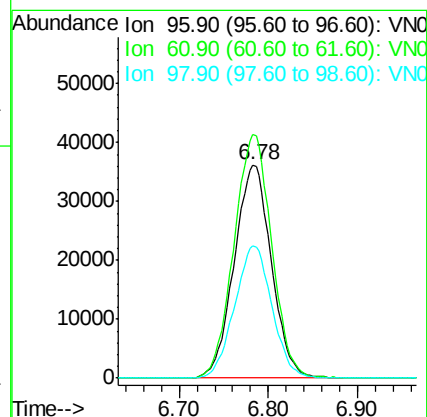
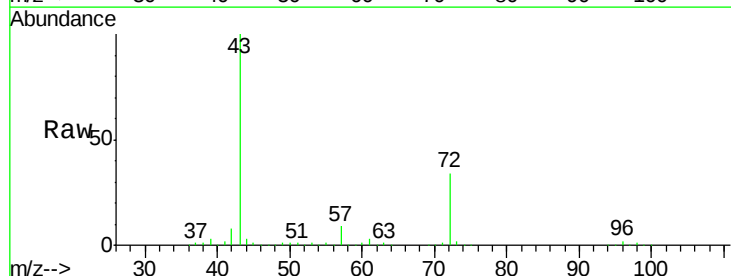
Instrument :  
MSVOA\_N  
ClientSampled :  
S49-0570

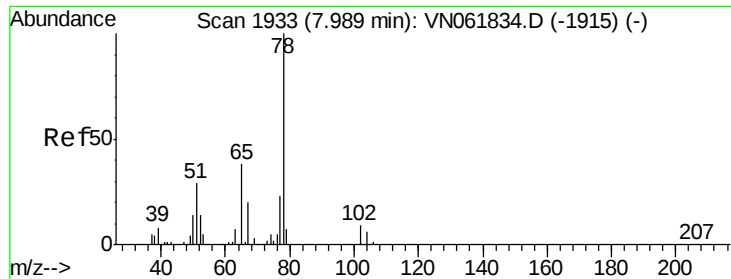
Tot Ion: 43 Resp: 4795610  
Ion Ratio Lower Upper  
43 100  
72 34.3 24.6 37.0



#27  
cis-1,2-Dichloroethene  
Concen: 53.869 ug/l  
RT: 6.78 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion: 96 Resp: 104505  
Ion Ratio Lower Upper  
96 100  
61 116.0 0.0 265.6  
98 62.1 0.0 128.2

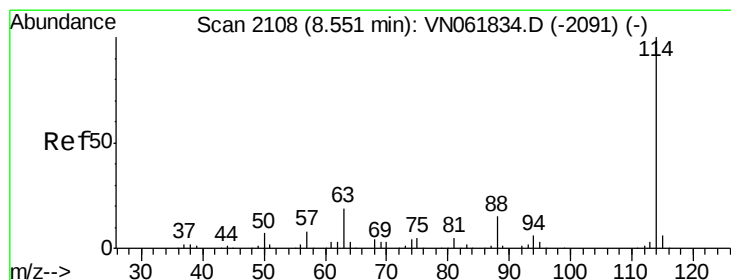
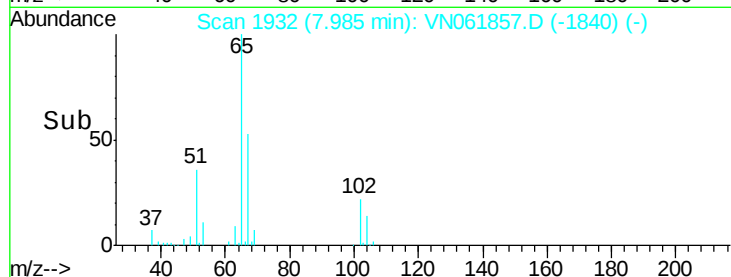
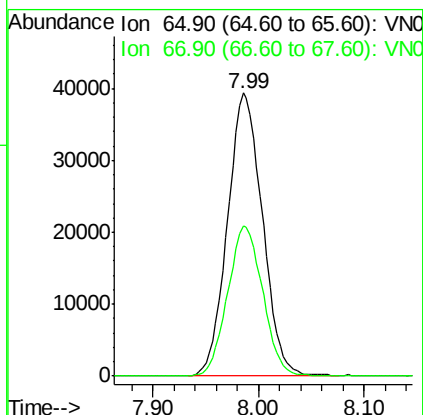
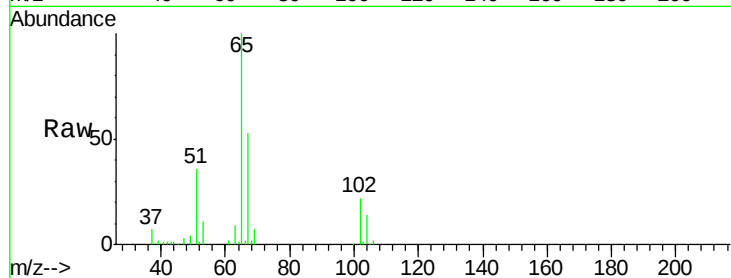




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.882 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN061857.D  
 Acq: 17 Jun 2020 18:39

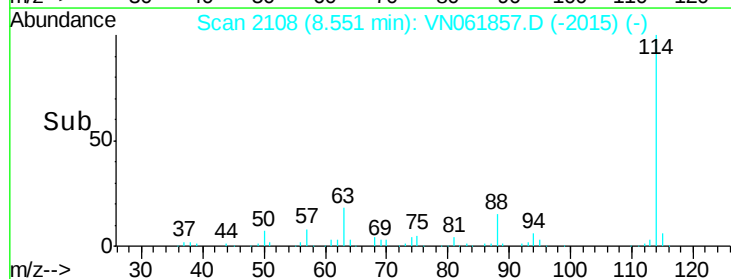
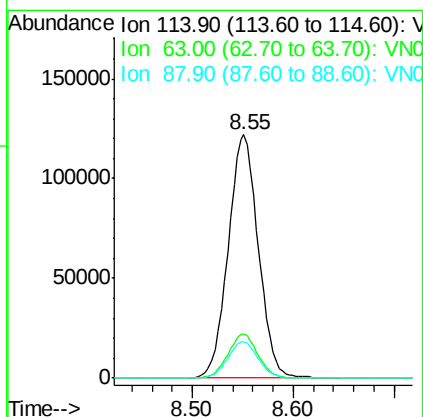
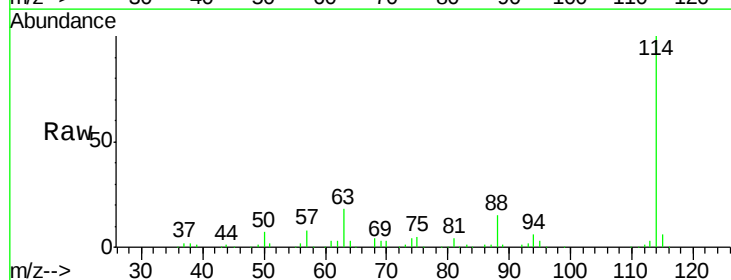
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 ClientSampleId :  
 S49-0570

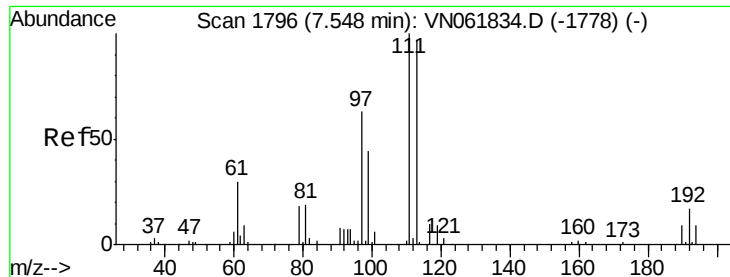
Tot Ion: 65 Resp: 90583  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN061857.D  
 Acq: 17 Jun 2020 18:39

Tgt Ion: 114 Resp: 253071  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 37.6  
 88 15.0 0.0 31.0

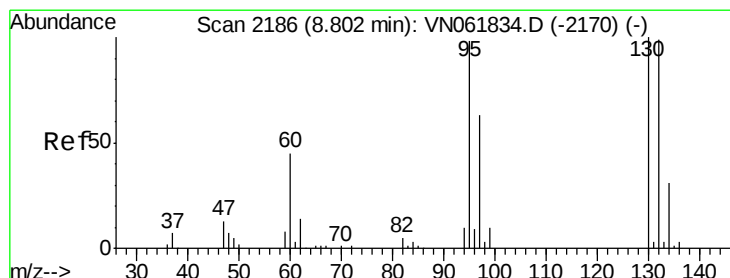
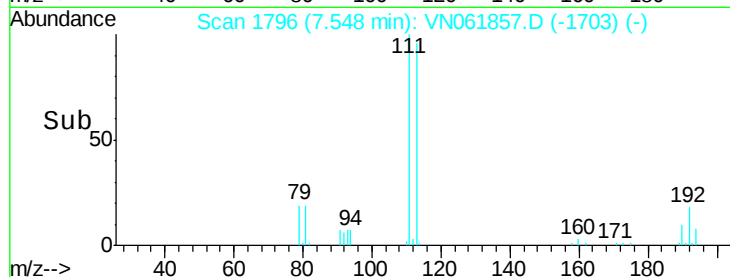
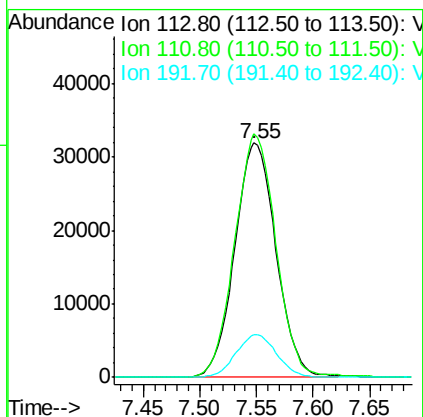
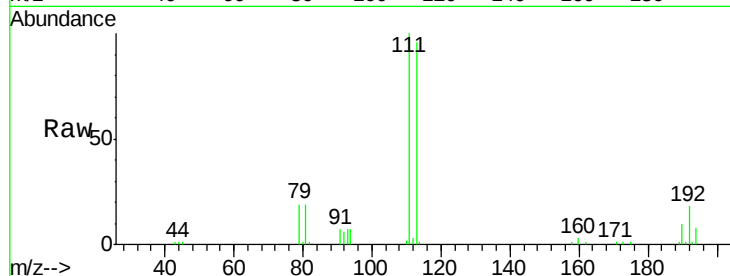




#35  
Dibromofluoromethane  
Concen: 50.001 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

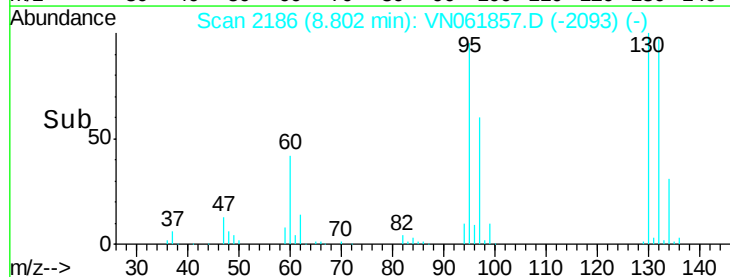
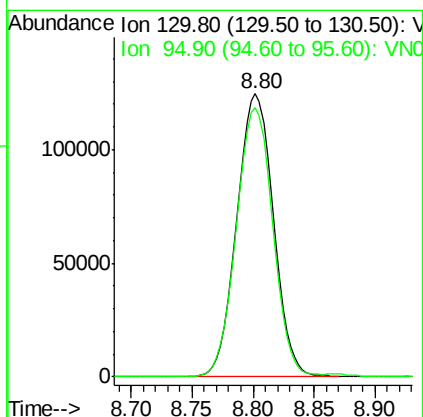
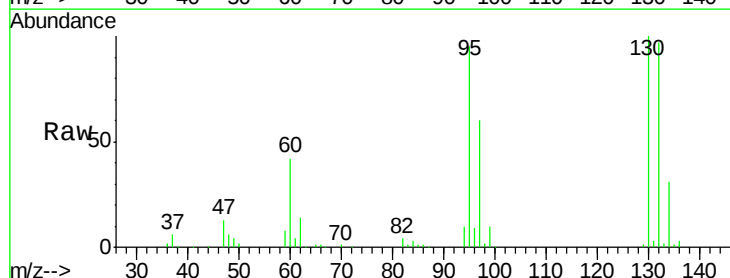
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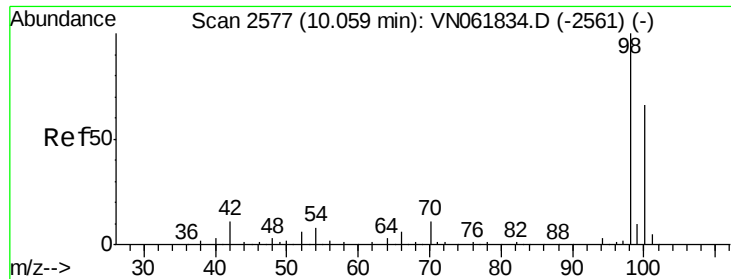
Tot Ion:113 Resp: 80953  
Ion Ratio Lower Upper  
113 100  
111 104.1 83.7 125.5  
192 17.9 13.9 20.9



#44  
Trichloroethene  
Concen: 140.798 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion:130 Resp: 259098  
Ion Ratio Lower Upper  
130 100  
95 95.0 0.0 195.6

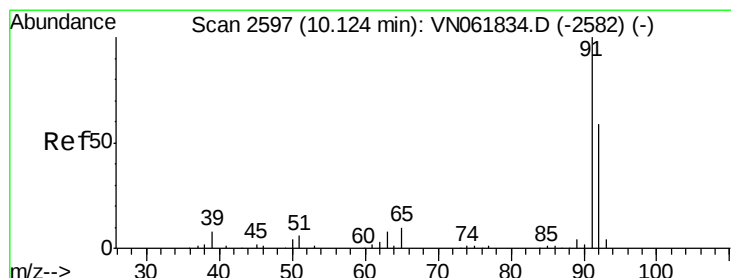
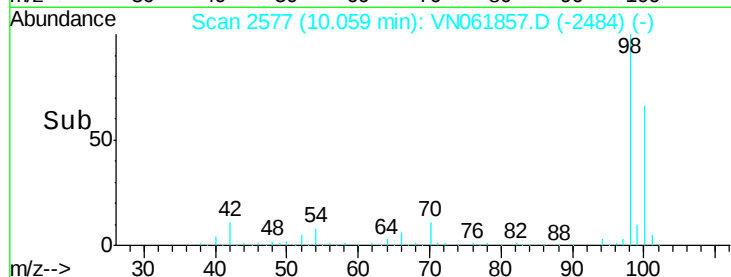
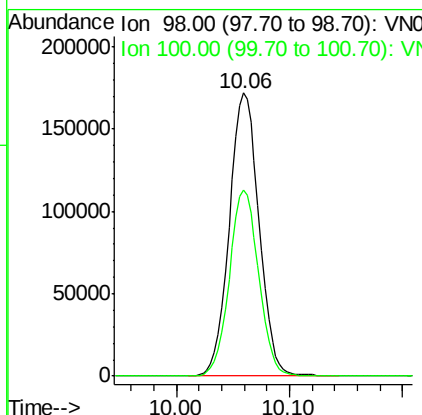
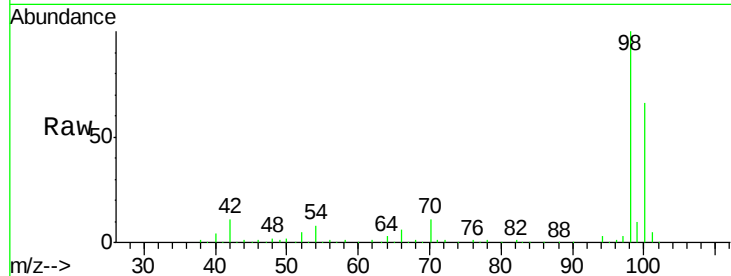




#50  
Toluene-d8  
Concen: 49.325 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

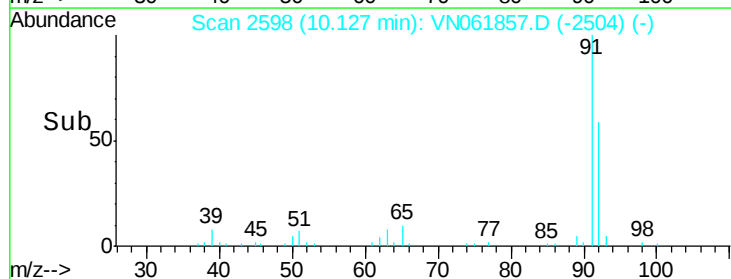
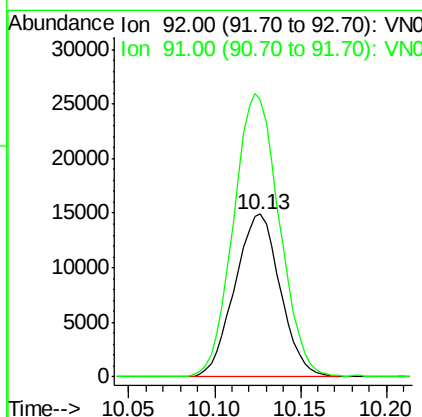
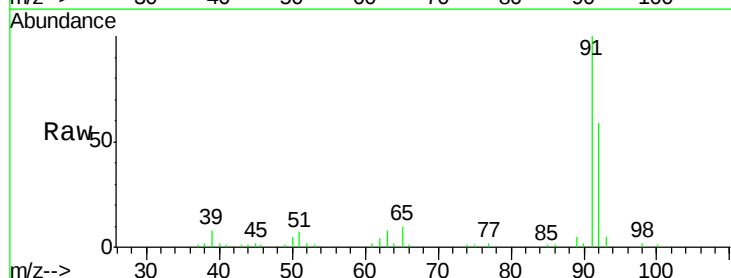
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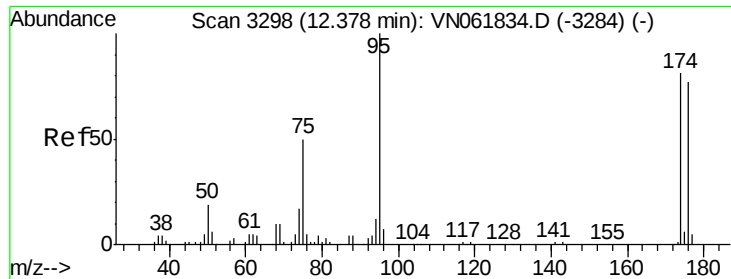
Tot Ion: 98 Resp: 313951  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1



#52  
Toluene  
Concen: 6.226 ug/l  
RT: 10.13 min Scan# 2598  
Delta R.T. 0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion: 92 Resp: 27342  
Ion Ratio Lower Upper  
92 100  
91 175.3 137.1 205.7

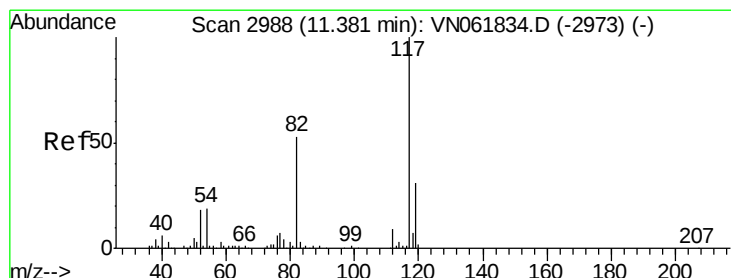
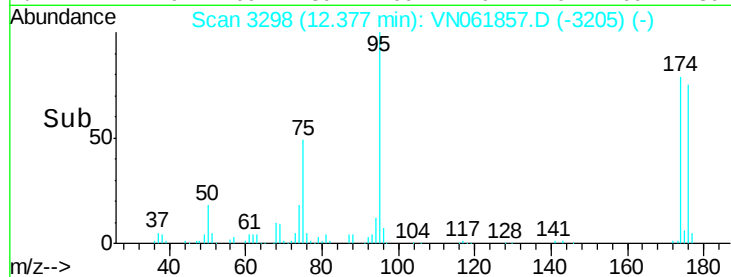
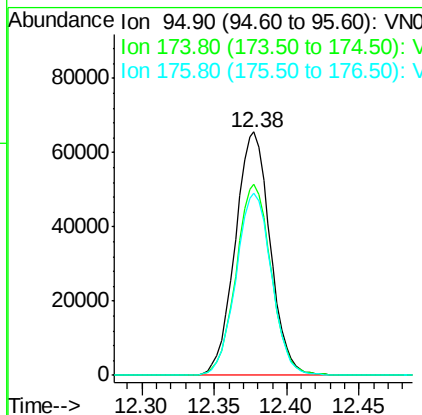
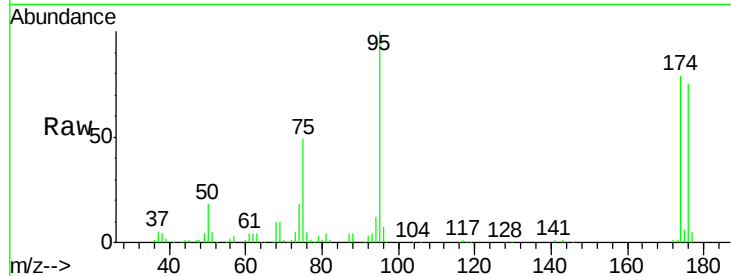




#62  
4-Bromofluorobenzene  
Concen: 50.329 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

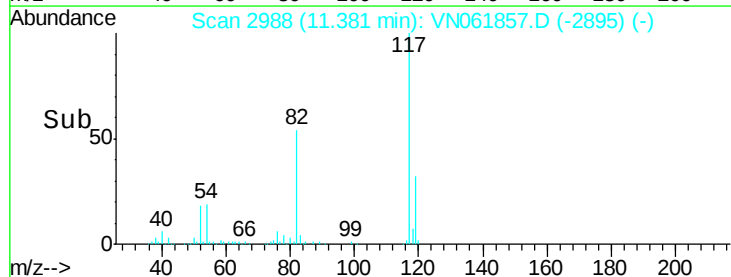
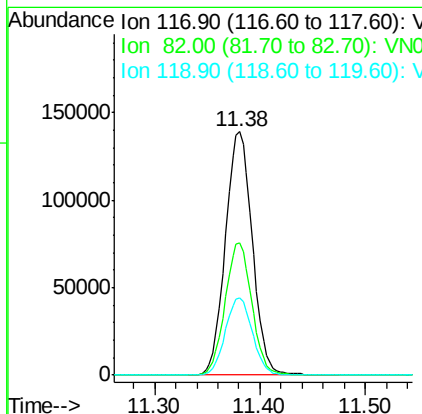
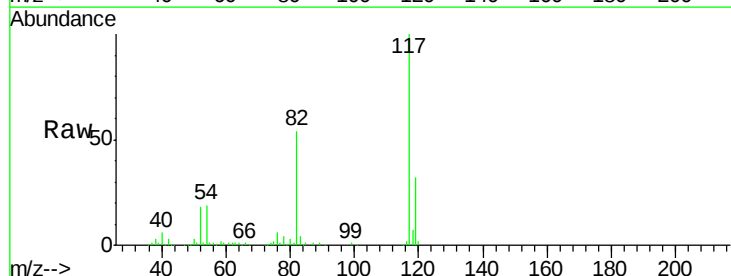
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MSVOA\_N  
ClientSampled :  
S49-0570

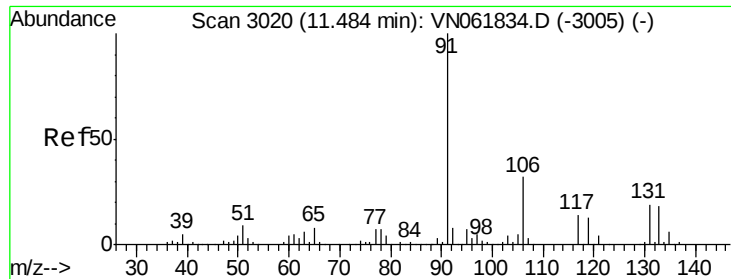
Tot Ion: 95 Resp: 109884  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 158.6  
176 76.0 0.0 152.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion: 117 Resp: 245966  
Ion Ratio Lower Upper  
117 100  
82 54.2 42.6 64.0  
119 31.6 24.7 37.1

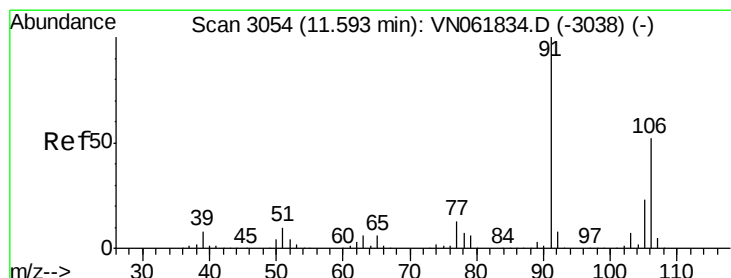
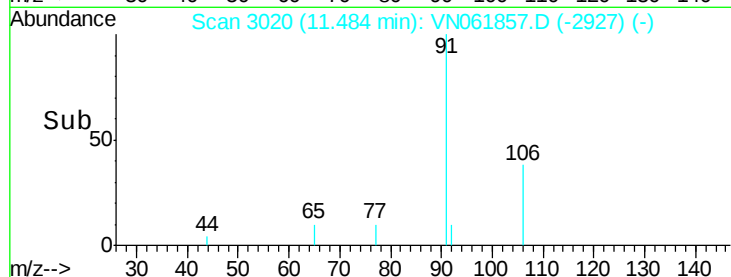
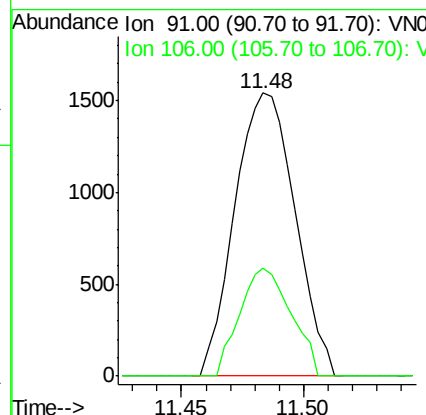
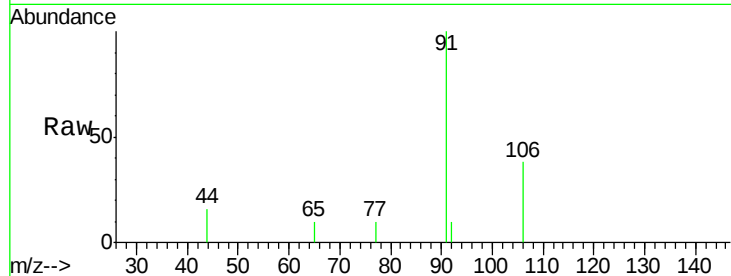




#67  
Ethyl Benzene  
Concen: 0.304 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

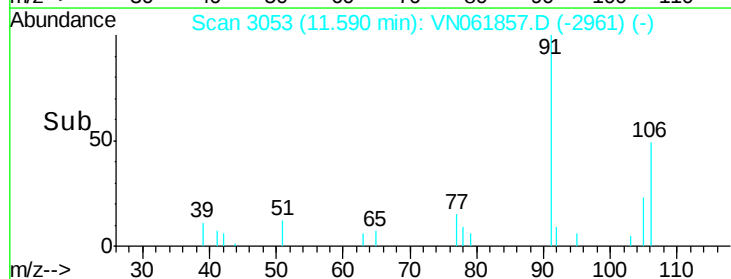
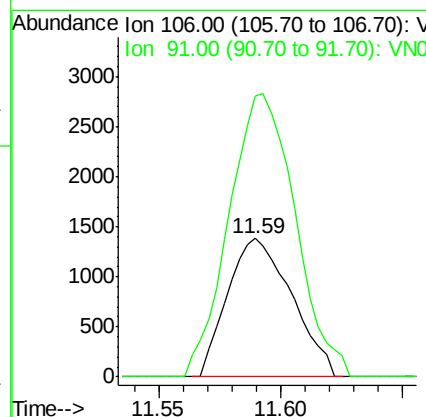
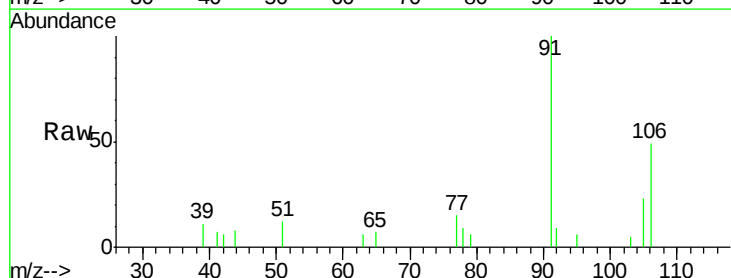
Instrument :  
MSVOA\_N  
ClientSampleId :  
S49-0570

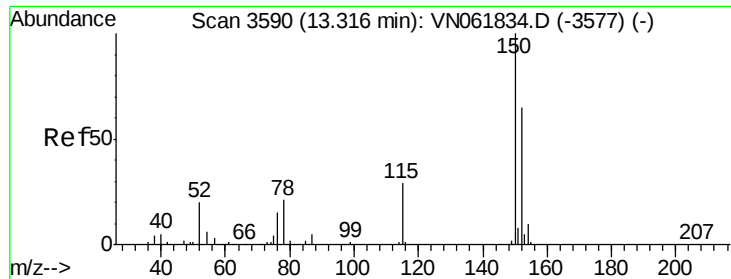
Tot Ion: 91 Resp: 2645  
Ion Ratio Lower Upper  
91 100  
106 38.1 25.4 38.2



#68  
m/p-Xylenes  
Concen: 0.755 ug/l  
RT: 11.59 min Scan# 3053  
Delta R.T. -0.00 min  
Lab File: VN061857.D  
Acq: 17 Jun 2020 18:39

Tgt Ion: 106 Resp: 2534  
Ion Ratio Lower Upper  
106 100  
91 210.8 157.0 235.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061857.D

Acq: 17 Jun 2020 18:39

Instrument :

MSVOA\_N

ClientSampleId :

S49-0570

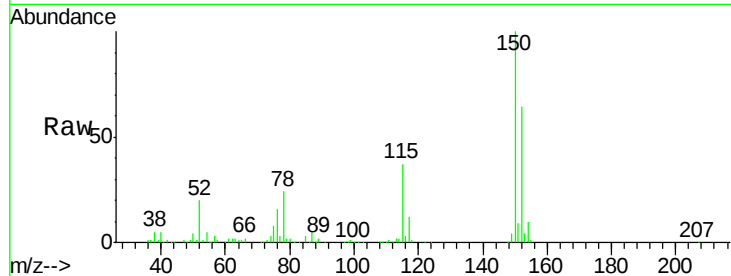
Tot Ion:152 Resp: 106956

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.3

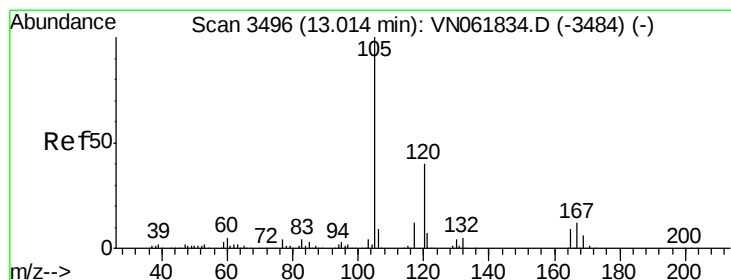
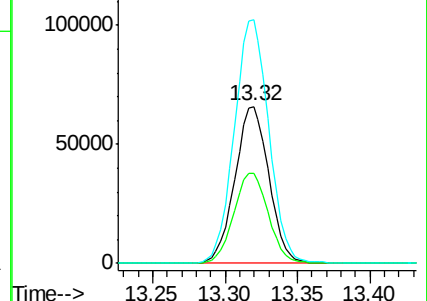
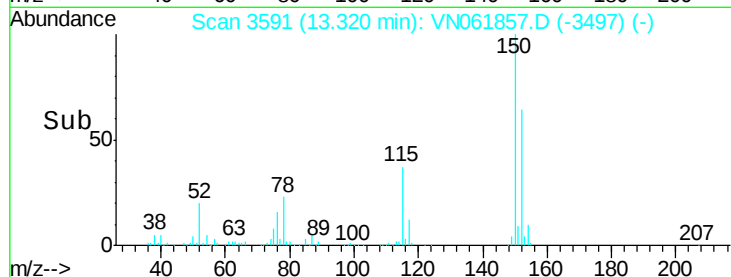
150 157.8 0.0 347.6



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



#84

1,2,4-Trimethylbenzene

Concen: 0.787 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN061857.D

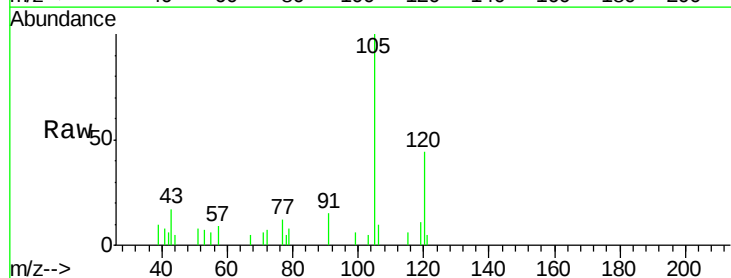
Acq: 17 Jun 2020 18:39

Tgt Ion:105 Resp: 4887

Ion Ratio Lower Upper

105 100

120 49.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

