

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\  
 Data File : VN056393.D  
 Acq On : 20 Jun 2019 11:32  
 Operator : JC/SP  
 Sample : K3454-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30271

Quant Time: Jun 21 04:24:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 355917   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 601585   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 599270   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 224133   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 202178   | 51.25 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.50% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 178167   | 47.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.94%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 743253   | 50.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 257980   | 53.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.00% |          |

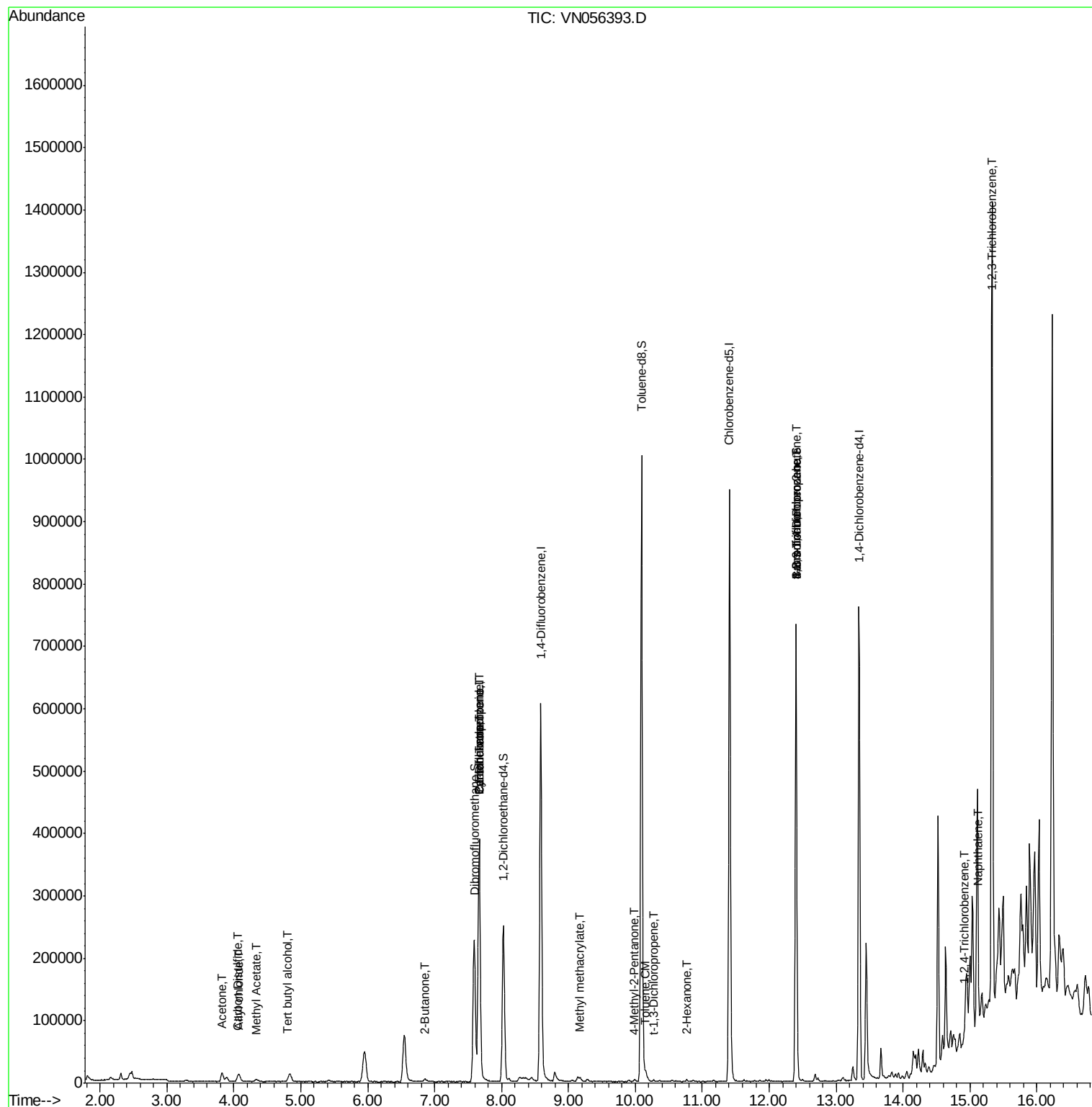
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.80  | 59   | 997      | 1.501     | ug/l # | 74     |
| 14) Allyl chloride             | 4.08  | 41   | 1857     | 0.355     | ug/l # | 69     |
| 16) Acetone                    | 3.82  | 43   | 24671    | 12.483    | ug/l   | 97     |
| 17) Carbon Disulfide           | 4.05  | 76   | 7452     | 1.042     | ug/l # | 89     |
| 18) Methyl Acetate             | 4.33  | 43   | 7970     | 1.212     | ug/l # | 89     |
| 20) Methylene Chloride         | 4.55  | 84   | 797      | Below Cal | #      | 66     |
| 25) 2-Butanone                 | 6.85  | 43   | 8485     | 3.244     | ug/l   | 98     |
| 31) Cyclohexane                | 7.66  | 56   | 5805     | 0.953     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 23546    | 4.447     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 30778    | 6.647     | ug/l # | 14     |
| 48) Methyl methacrylate        | 9.18  | 41   | 3889     | 0.967     | ug/l # | 27     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3178     | 0.614     | ug/l # | 81     |
| 52) Toluene                    | 10.16 | 92   | 3165     | 0.318     | ug/l   | 90     |
| 53) t-1,3-Dichloropropene      | 10.27 | 75   | 268      | 2.936     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 1417     | 0.372     | ug/l # | 60     |
| 71) Bromoform                  | 12.40 | 173  | 1163     | 3.475     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.26 | 105  | 614      | Below Cal | #      | 48     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 119201   | 25.649    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 258      | Below Cal | #      | 40     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 490      | Below Cal | #      | 54     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 119201   | 91.159    | ug/l # | 8      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 31       | Below Cal | #      | 28     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 394      | 5.703     | ug/l # | 1      |
| 95) Naphthalene                | 15.13 | 128  | 1339     | 5.362     | ug/l # | 70     |
| 96) 1,2,3-Trichlorobenzene     | 15.34 | 180  | 1096     | 4.727     | ug/l   | 83     |

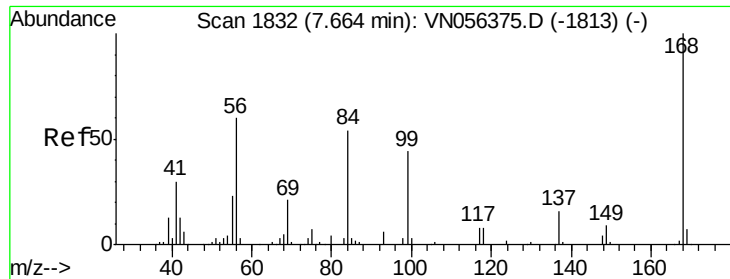
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
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30271

Quant Time: Jun 21 04:24:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 03:45:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

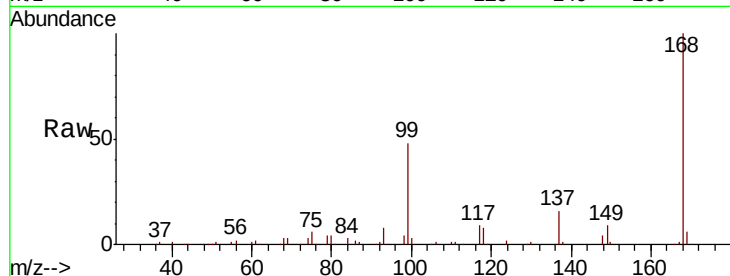
30271

Tot Ion:168 Resp: 355917

Ion Ratio Lower Upper

168 100

99 48.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

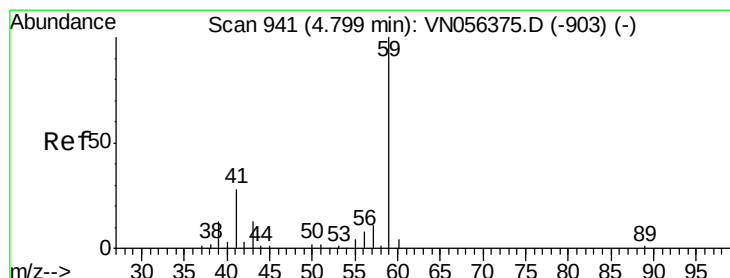
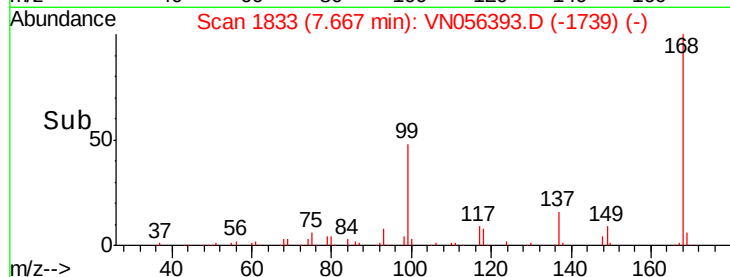
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.501 ug/l

RT: 4.80 min Scan# 940

Delta R.T. -0.00 min

Lab File: VN056393.D

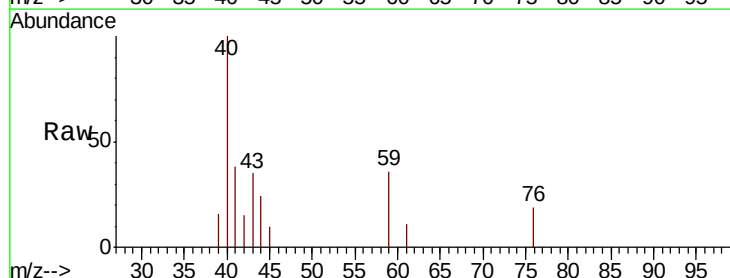
Acq: 20 Jun 2019 11:32

Tgt Ion: 59 Resp: 997

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN056375.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN056375.D (-903) (-)

4.80

800

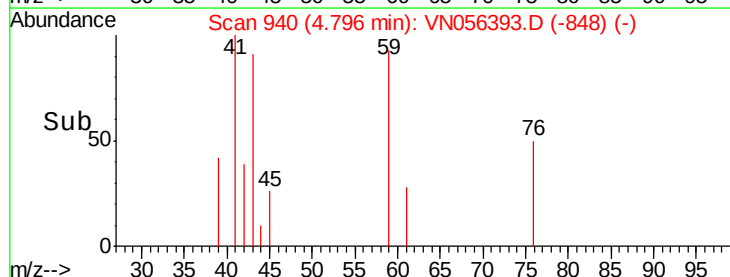
600

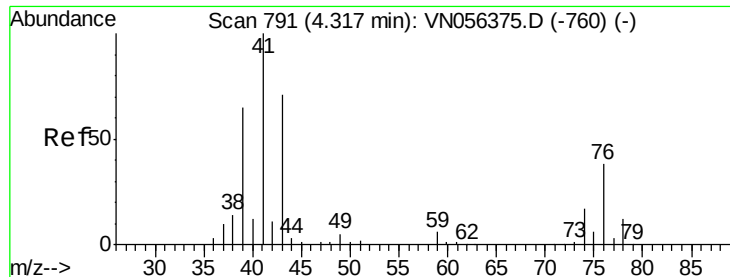
400

200

0

Time-->





#14

Allvl chloride

Concen: 0.355 ug/l

RT: 4.08 min Scan# 717

Delta R.T. -0.24 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

30271

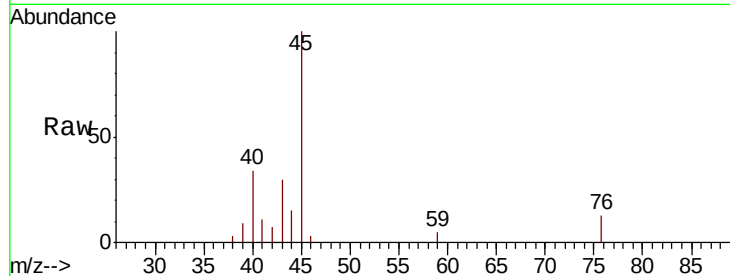
Tot Ion: 41 Resp: 1857

Ion Ratio Lower Upper

41 100

39 72.4 48.6 73.0

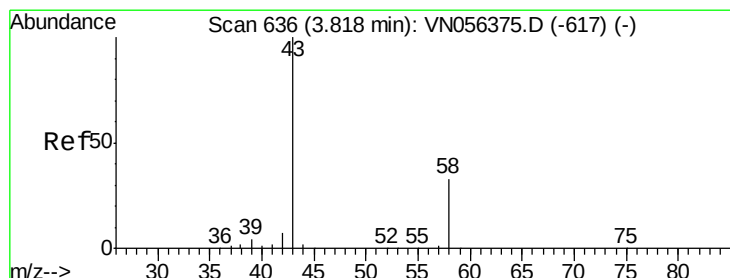
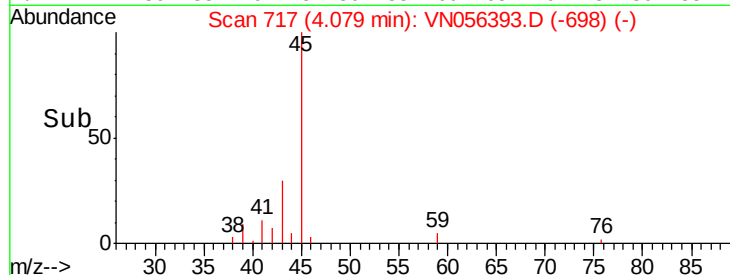
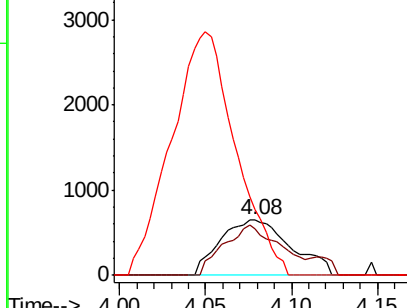
76 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 12.483 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056393.D

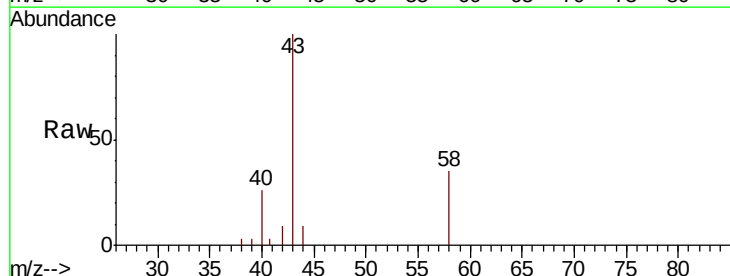
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 24671

Ion Ratio Lower Upper

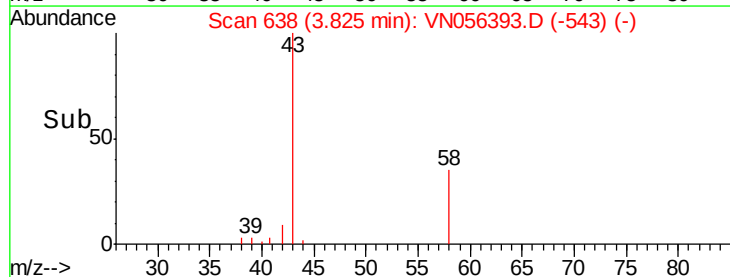
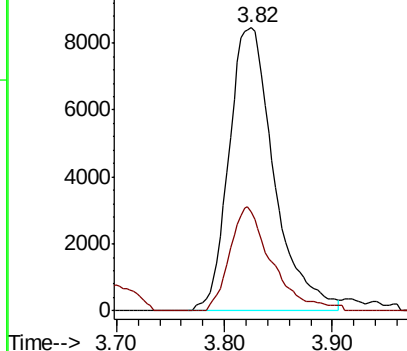
43 100

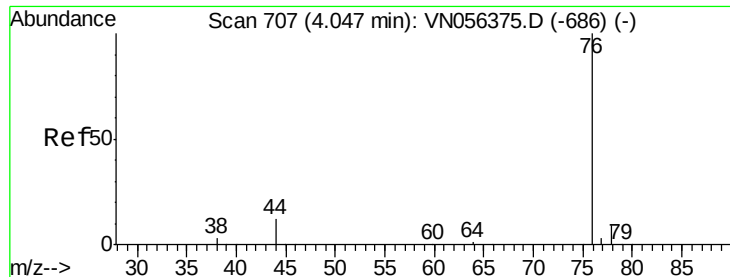
58 34.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.042 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

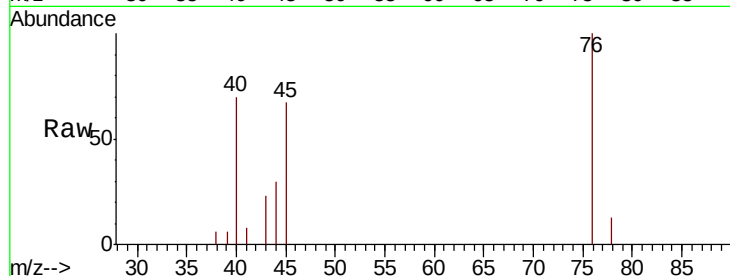
30271

Tot Ion: 76 Resp: 7452

Ion Ratio Lower Upper

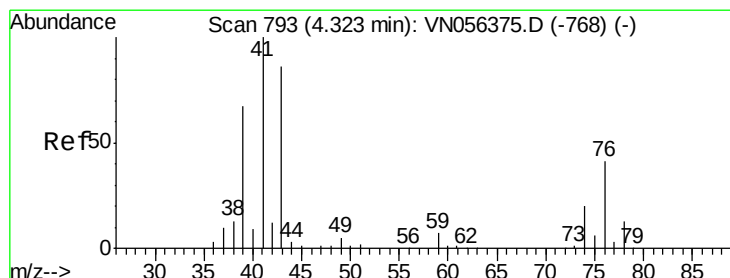
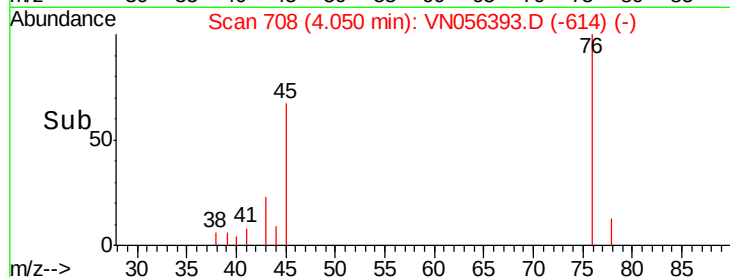
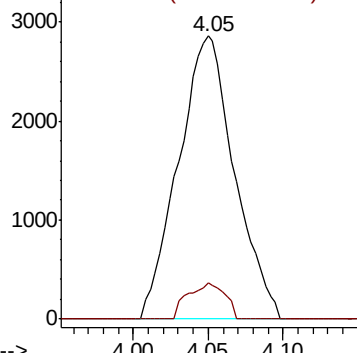
76 100

78 12.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.212 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056393.D

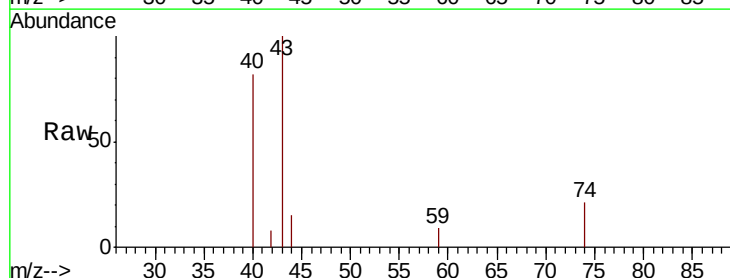
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 7970

Ion Ratio Lower Upper

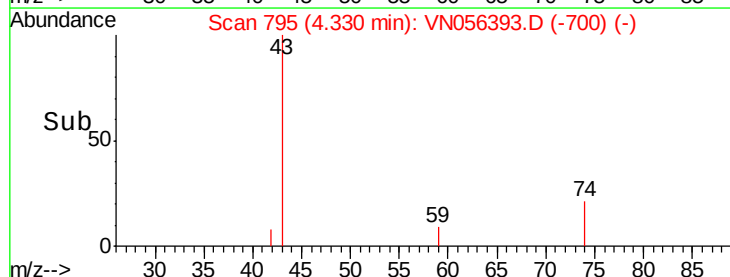
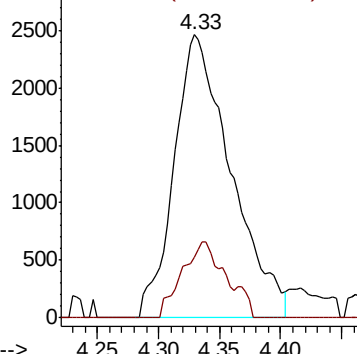
43 100

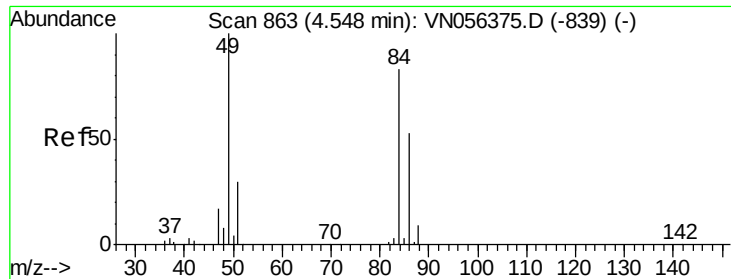
74 18.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

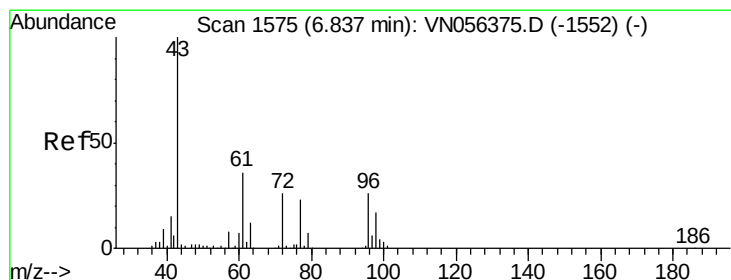
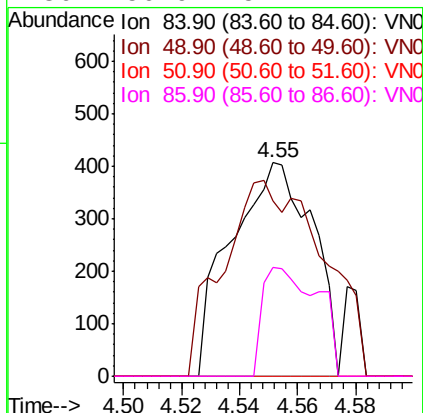
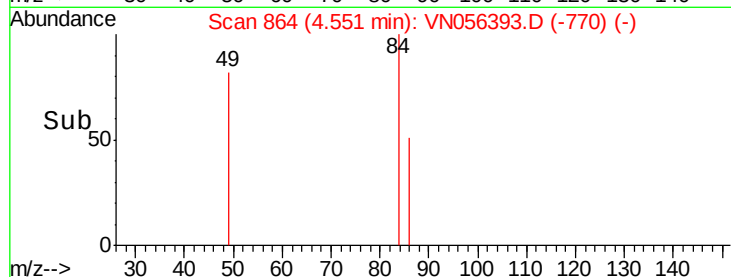
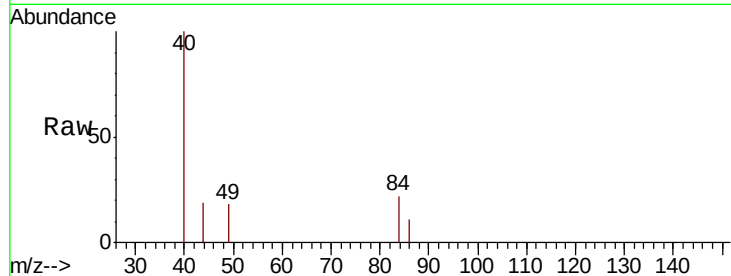




#20  
Methvlene Chloride  
Concen: Below Cal  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

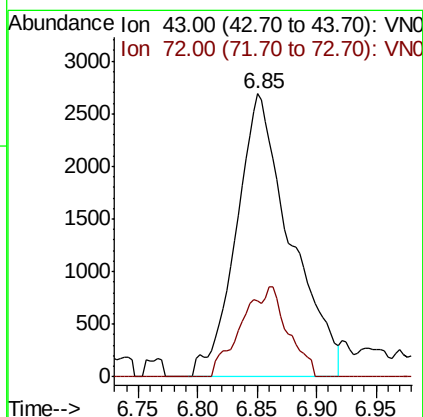
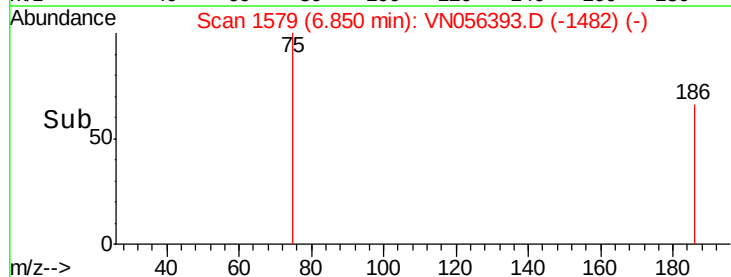
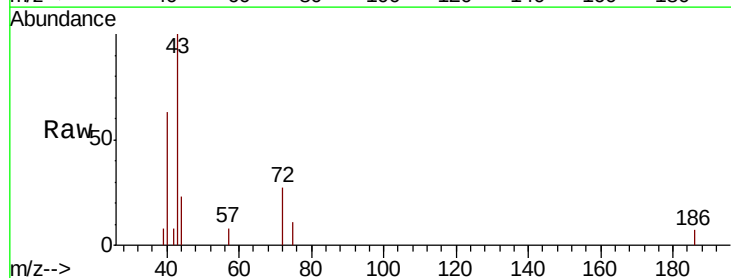
Instrument :  
MSVOA\_N  
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30271

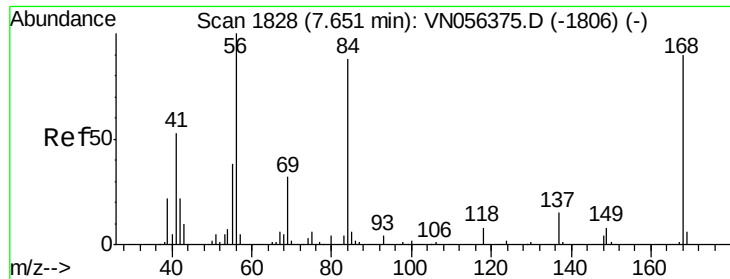
Tot Ion: 84 Resp: 797  
Ion Ratio Lower Upper  
84 100  
49 81.8 96.4 144.6#  
51 0.0 28.6 43.0#  
86 50.9 51.4 77.2#



#25  
2-Butanone  
Concen: 3.244 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 8485  
Ion Ratio Lower Upper  
43 100  
72 27.0 20.6 31.0

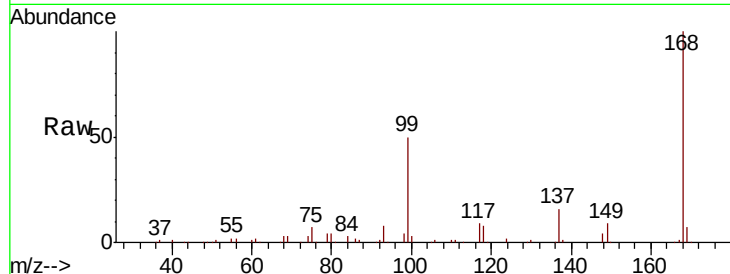




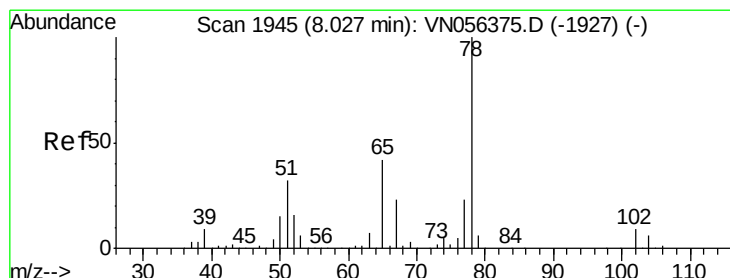
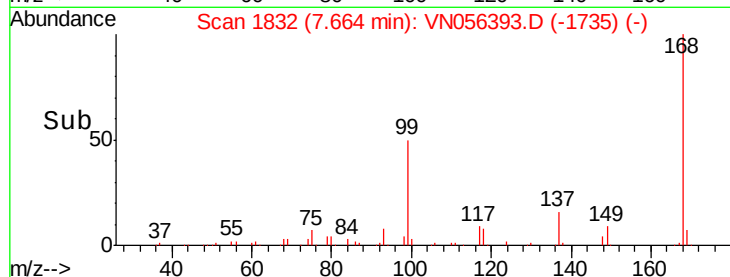
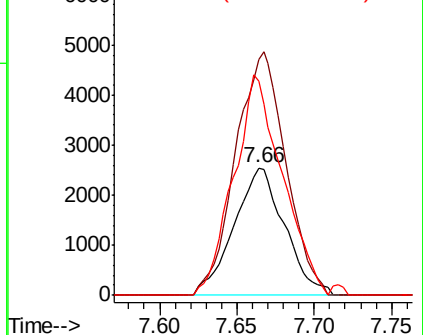
#31  
Cyclohexane  
Concen: 0.953 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampled :  
30271

Tot Ion: 56 Resp: 5805  
Ion Ratio Lower Upper  
56 100  
69 185.0 25.8 38.6#  
84 168.1 69.4 104.0#

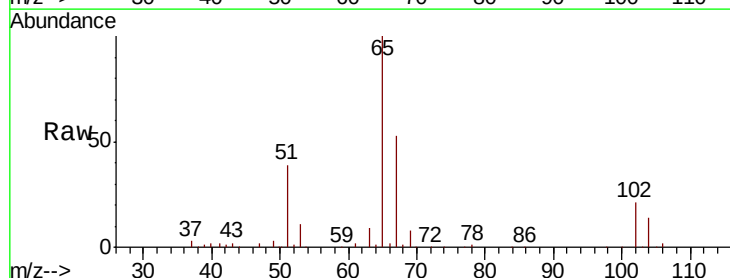


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

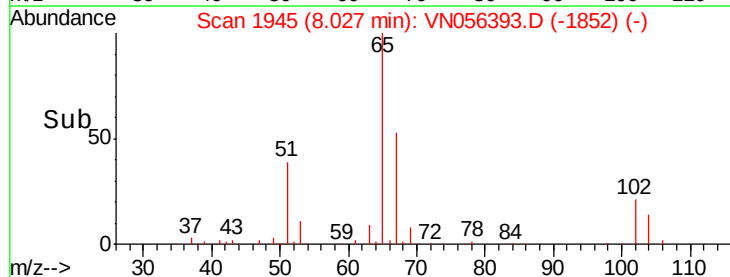
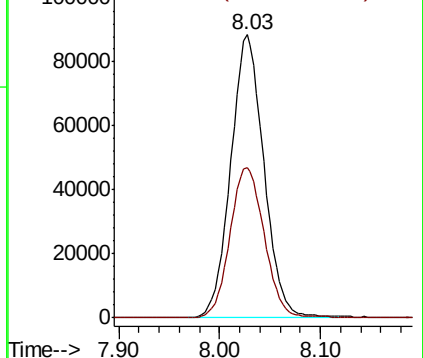


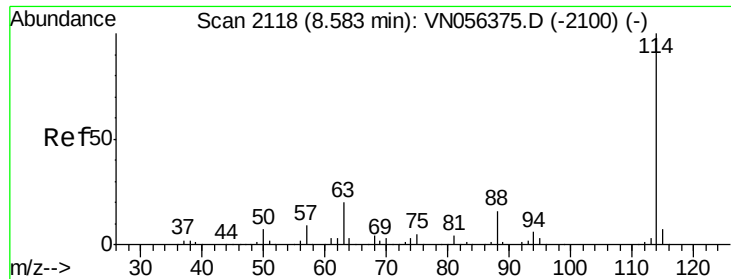
#33  
1,2-Dichloroethane-d4  
Concen: 51.254 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion: 65 Resp: 202178  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

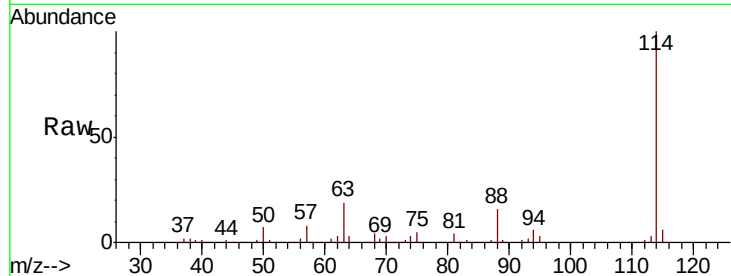




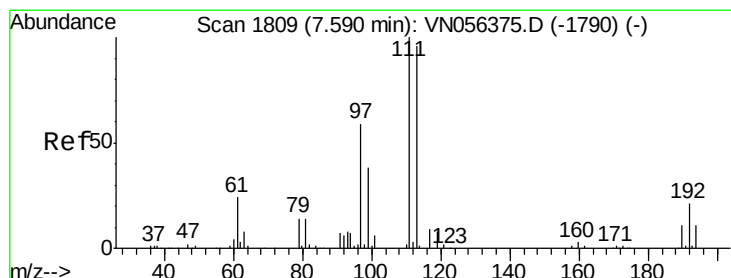
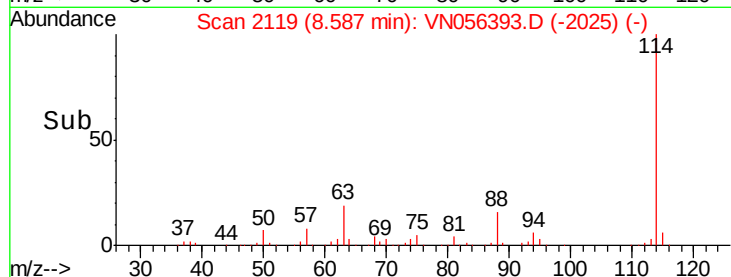
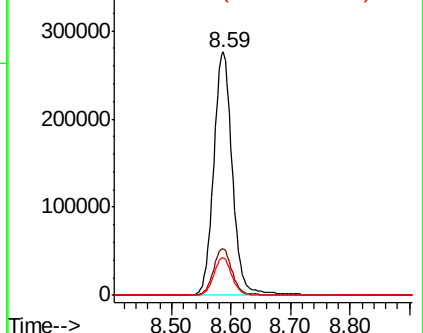
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampled :  
30271

Tot Ion:114 Resp: 601585  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 39.2  
88 15.6 0.0 31.4

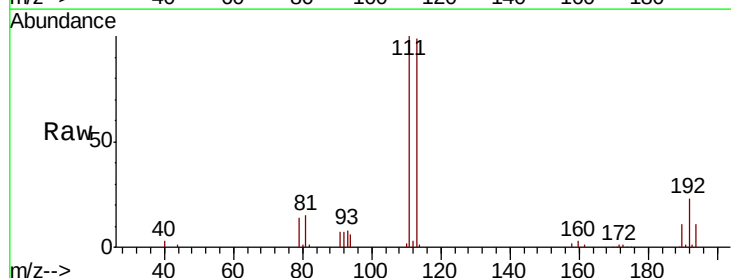


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

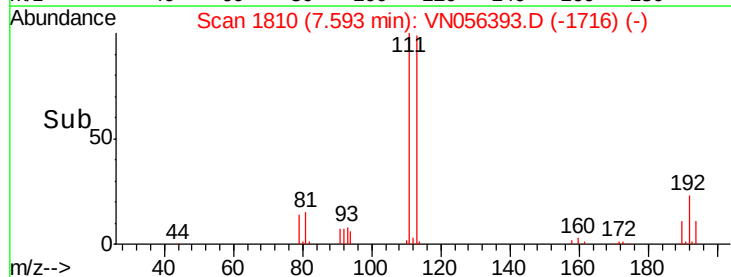
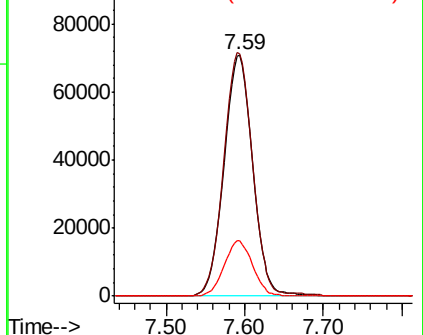


#35  
Dibromofluoromethane  
Concen: 47.474 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

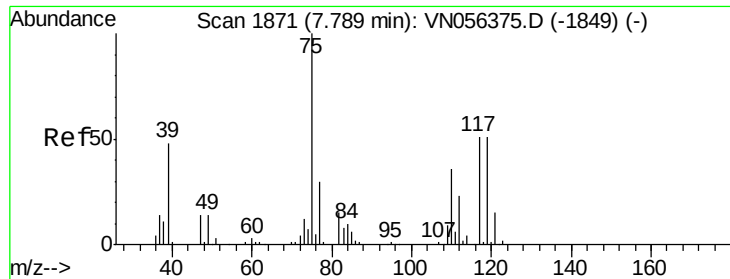
Tgt Ion:113 Resp: 178167  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.9 124.3  
192 22.7 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



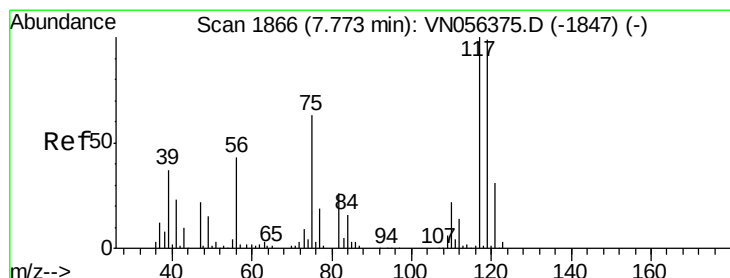
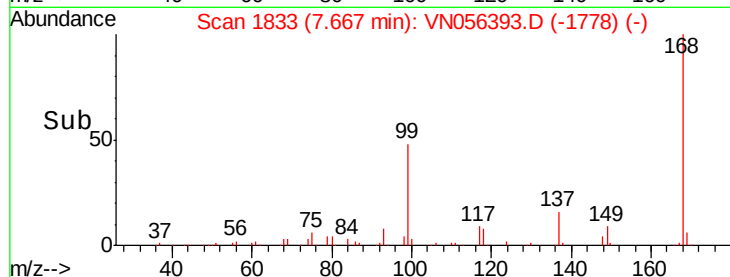
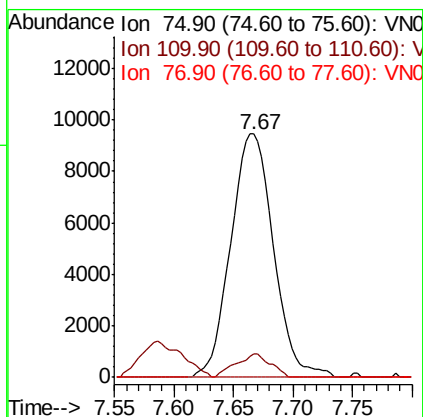
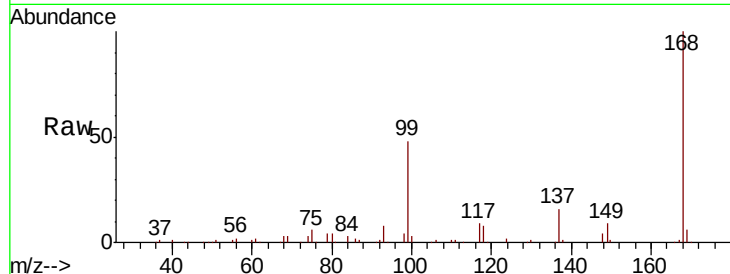




#36  
 1,1-Dichloropropene  
 Concen: 4.447 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN056393.D  
 Acq: 20 Jun 2019 11:32

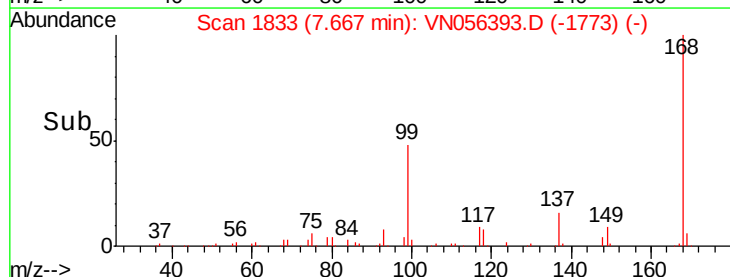
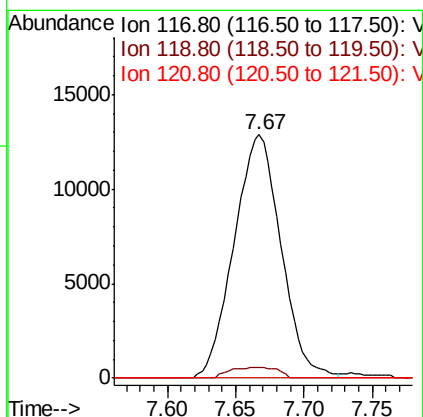
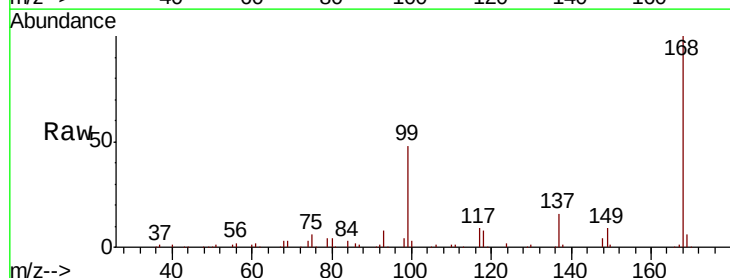
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30271

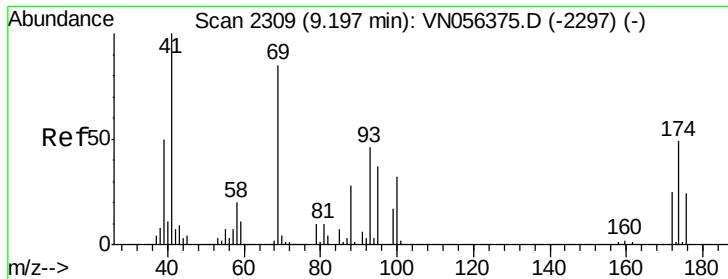
| Tot Ion   | 75    | Resp  | 23546 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 7.8   | 18.1  | 54.3# |
| 77        | 0.0   | 24.6  | 36.8# |



#38  
 Carbon Tetrachloride  
 Concen: 6.647 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN056393.D  
 Acq: 20 Jun 2019 11:32

| Tgt Ion   | 117   | Resp  | 30778  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 4.6   | 79.1  | 118.7# |
| 121       | 0.0   | 24.8  | 37.2#  |

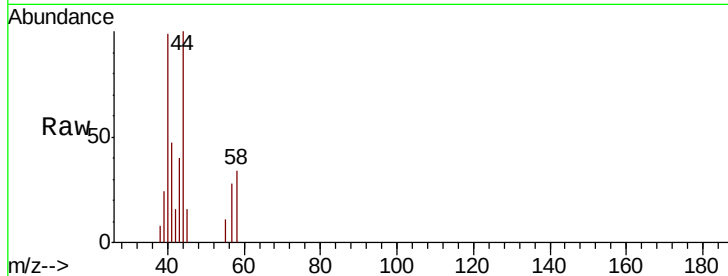




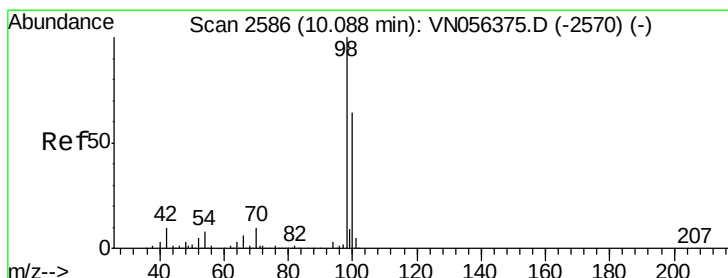
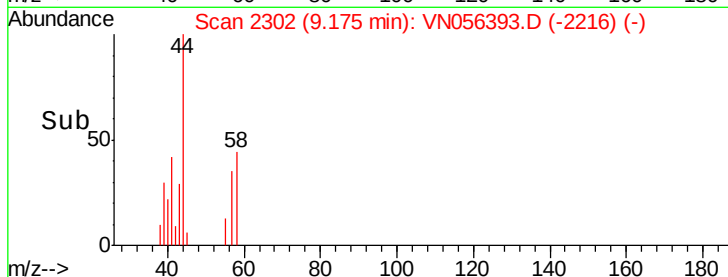
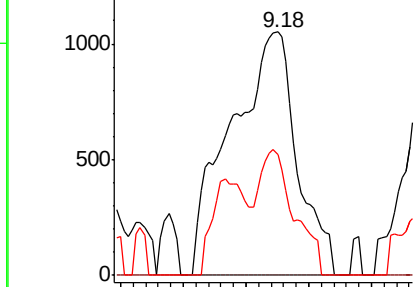
#48  
Methyl methacrylate  
Concen: 0.967 ug/l  
RT: 9.18 min Scan# 2302  
Delta R.T. -0.02 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampled :  
30271

Tot Ion: 41 Resp: 3889  
Ion Ratio Lower Upper  
41 100  
69 0.0 72.6 109.0#  
39 28.3 42.6 63.8#

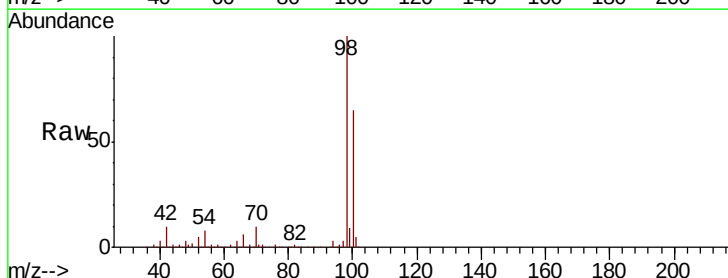


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO

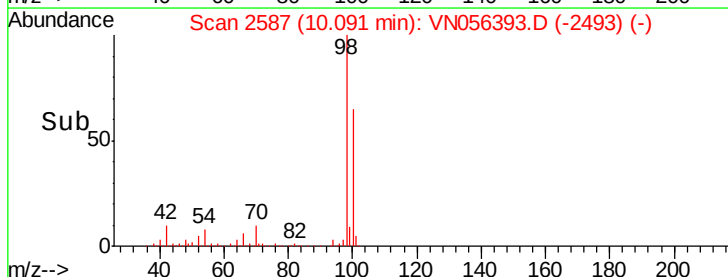
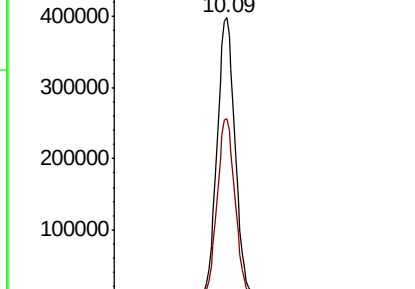


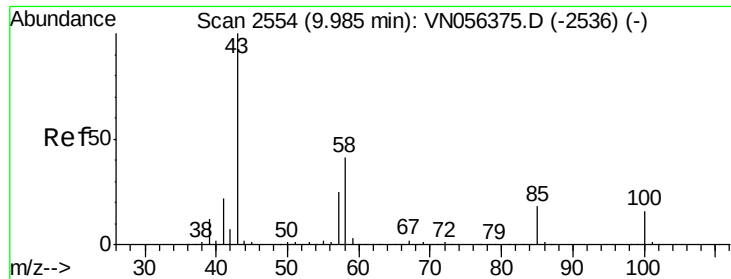
#50  
Toluene-d8  
Concen: 50.898 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion: 98 Resp: 743253  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNO  
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

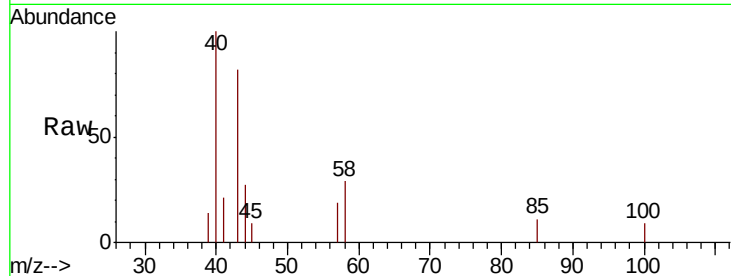
30271

Tot Ion: 43 Resp: 3178

Ion Ratio Lower Upper

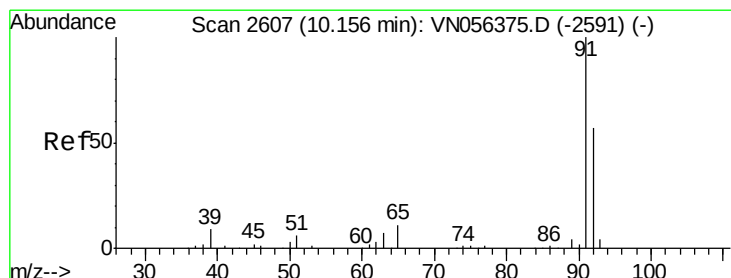
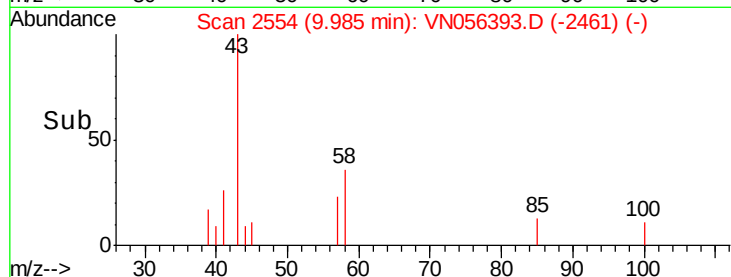
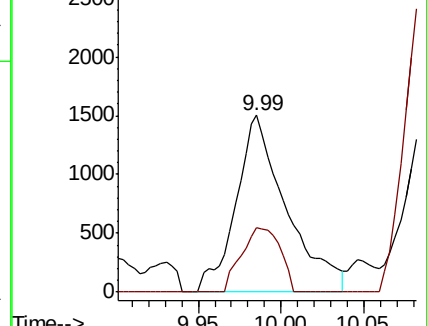
43 100

58 27.8 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.318 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056393.D

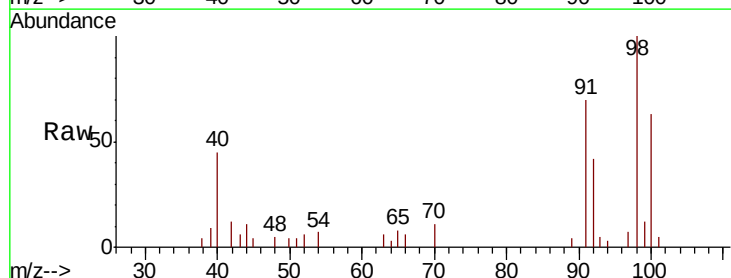
Acq: 20 Jun 2019 11:32

Tgt Ion: 92 Resp: 3165

Ion Ratio Lower Upper

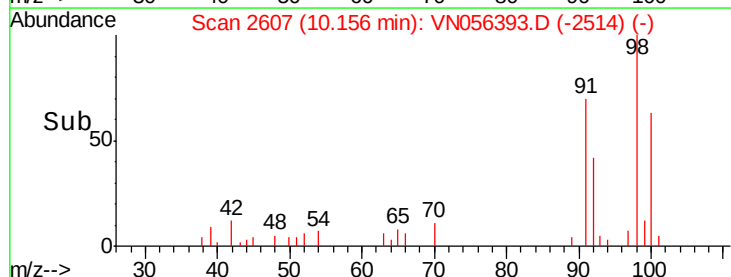
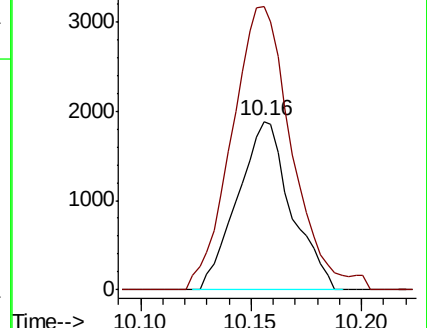
92 100

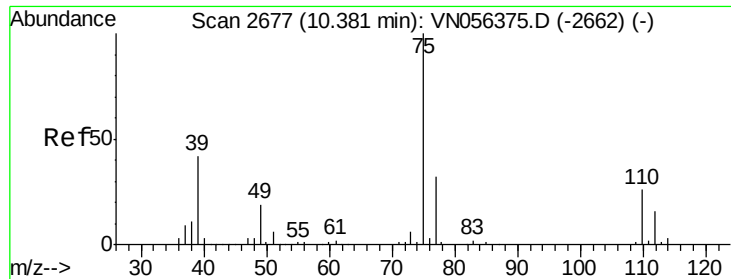
91 189.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

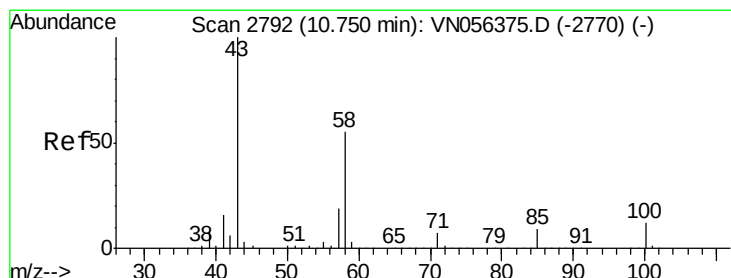
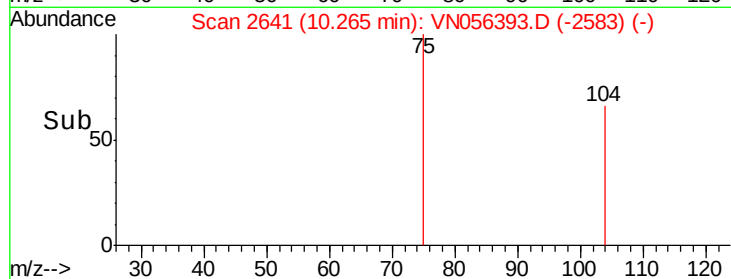
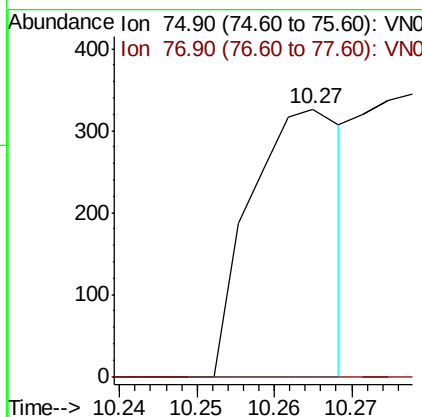
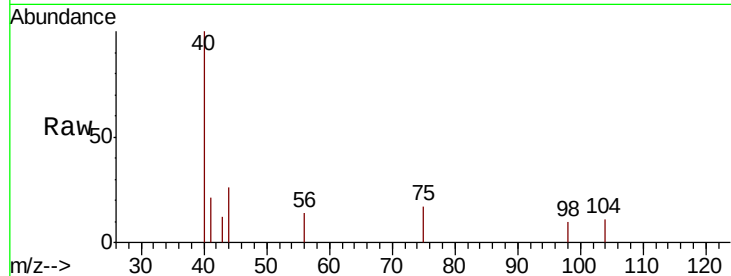




#53  
t-1,3-Dichloropropene  
Concen: 2.936 ug/l  
RT: 10.27 min Scan# 2641  
Delta R.T. -0.11 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

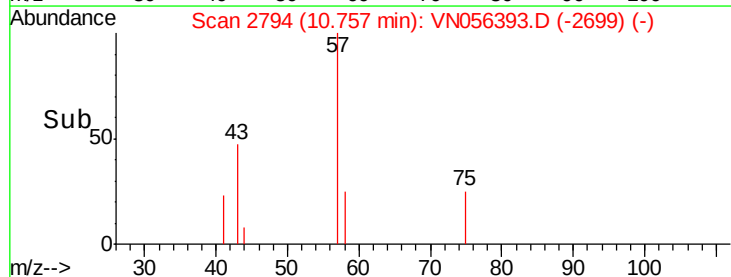
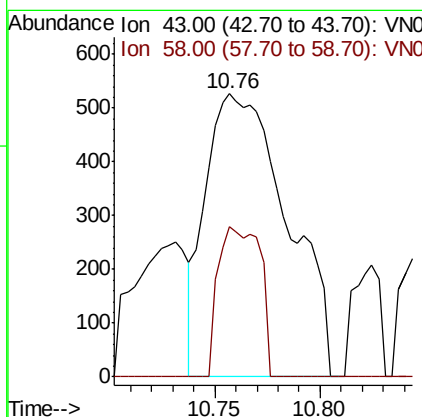
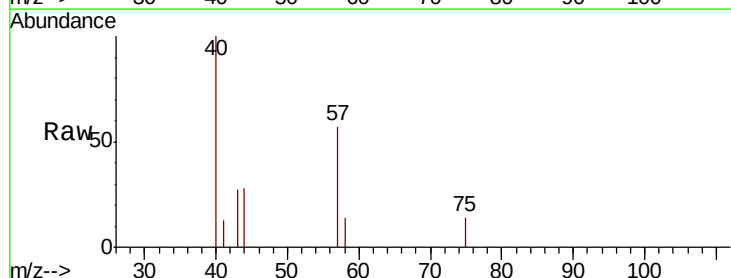
Instrument :  
MSVOA\_N  
ClientSampled :  
30271

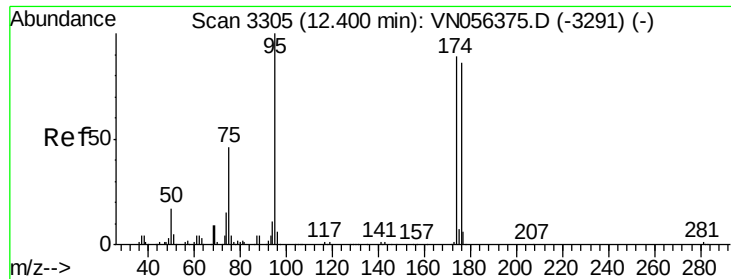
Tot Ion: 75 Resp: 268  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.2#



#59  
2-Hexanone  
Concen: 0.372 ug/l  
RT: 10.76 min Scan# 2794  
Delta R.T. 0.01 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion: 43 Resp: 1417  
Ion Ratio Lower Upper  
43 100  
58 26.8 27.8 83.4#

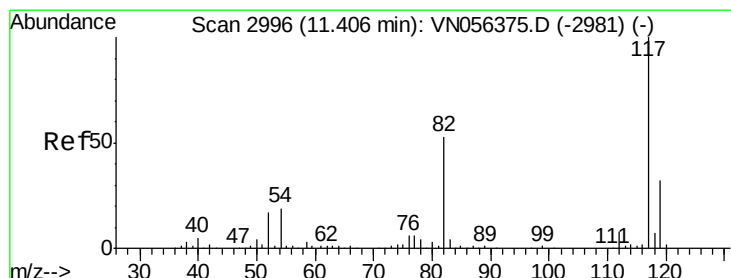
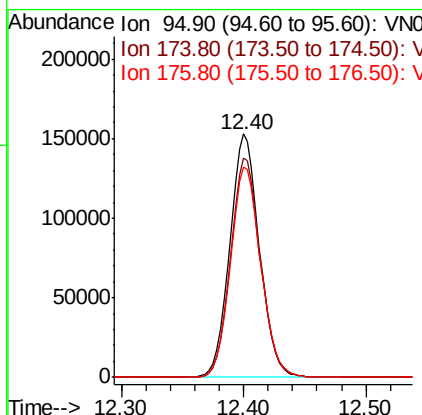
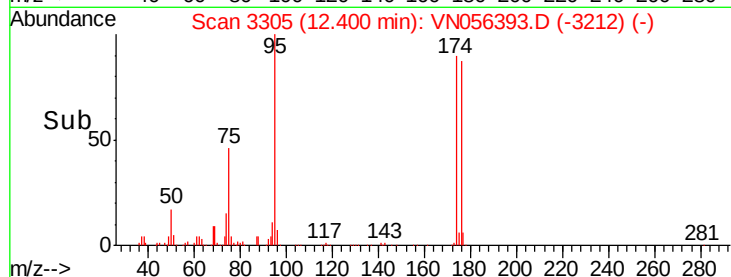
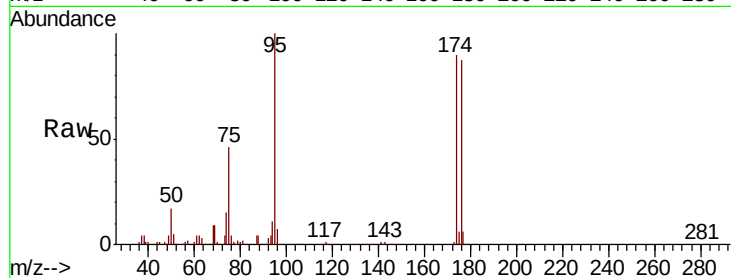




#62  
4-Bromofluorobenzene  
Concen: 52.995 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

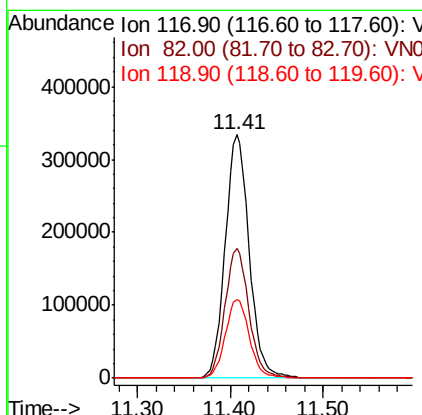
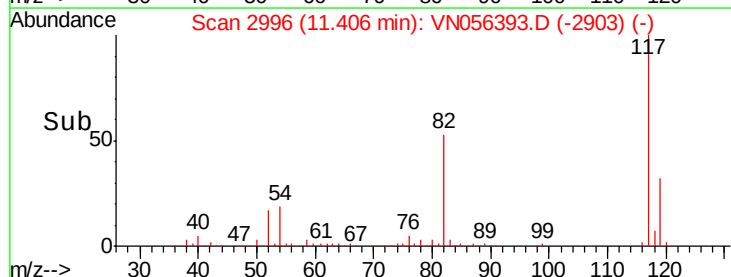
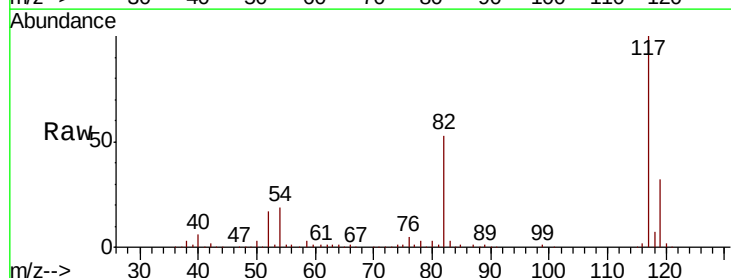
Instrument :  
MSVOA\_N  
ClientSampleId :  
30271

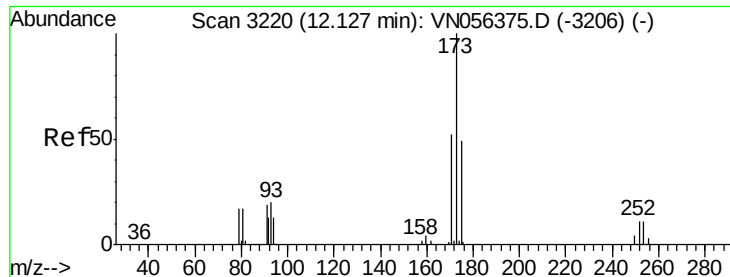
Tot Ion: 95 Resp: 257980  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 179.4  
176 88.5 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion: 117 Resp: 599270  
Ion Ratio Lower Upper  
117 100  
82 53.1 42.0 63.0  
119 32.5 25.3 37.9





#71

Bromoform

Concen: 3.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

30271

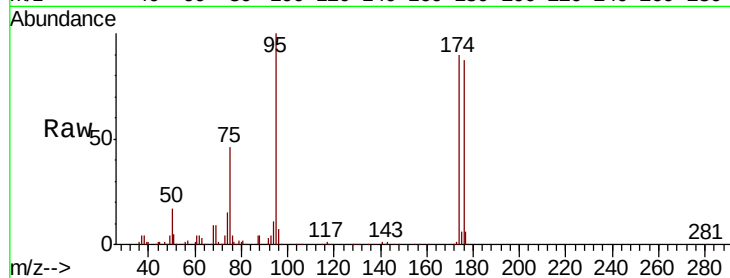
Tot Ion:173 Resp: 1163

Ion Ratio Lower Upper

173 100

175 1270.9 24.4 73.4#

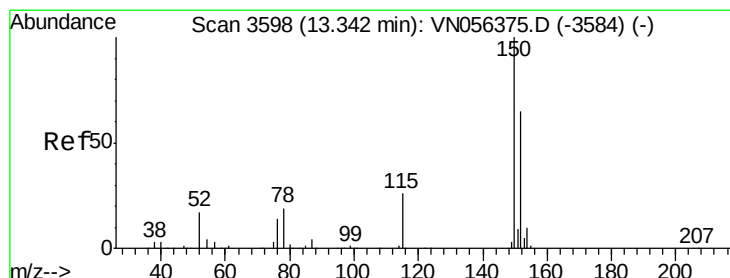
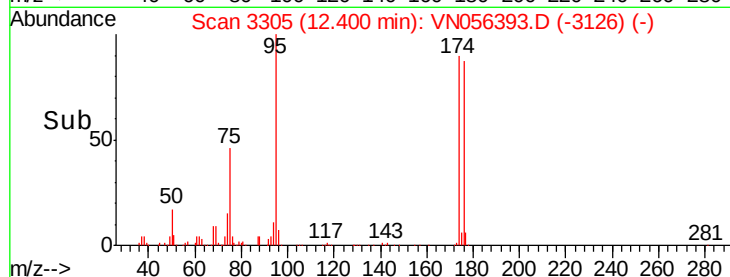
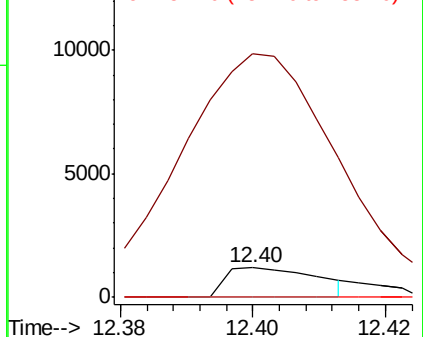
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

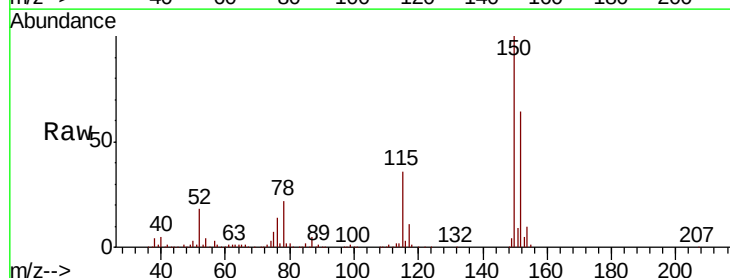
Tgt Ion:152 Resp: 224133

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.4

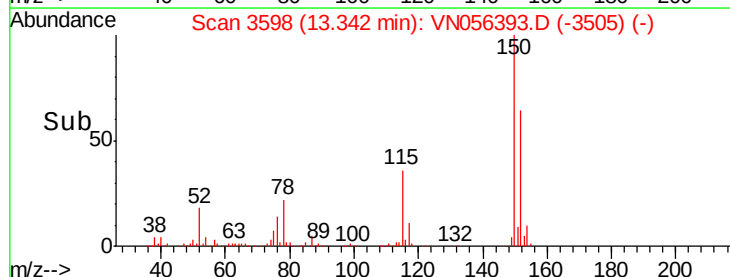
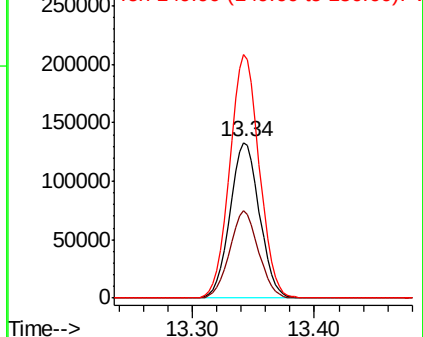
150 156.4 0.0 348.4

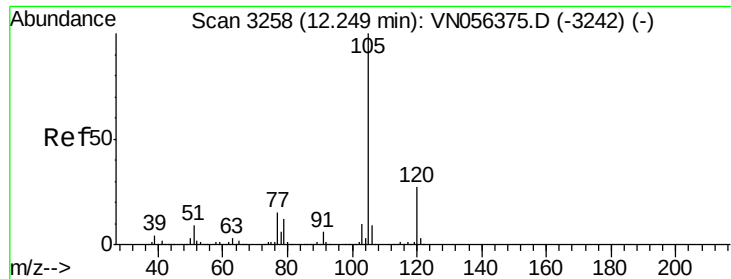


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

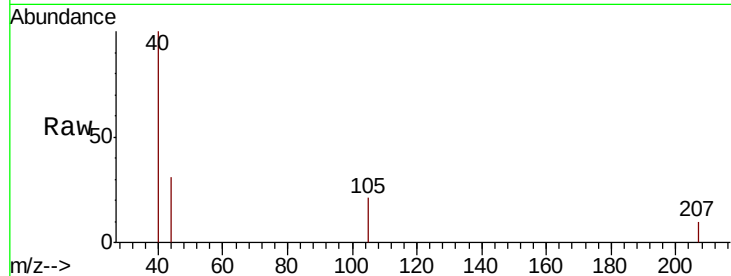
ClientSampleId :  
30271

Tot Ion: 105 Resp: 614

Ion Ratio Lower Upper

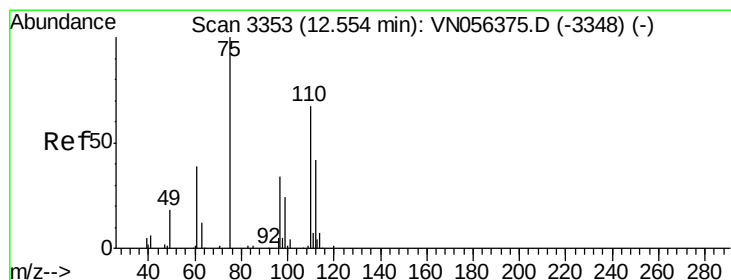
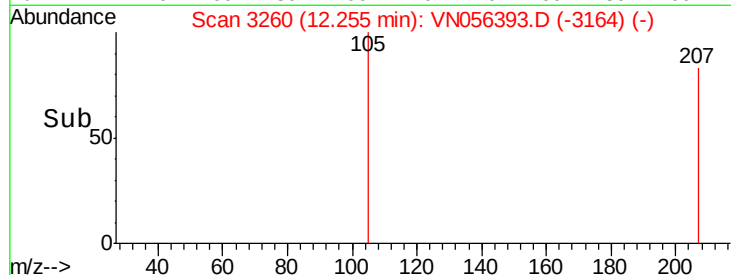
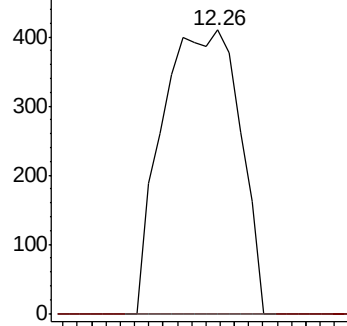
105 100

120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 25.649 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056393.D

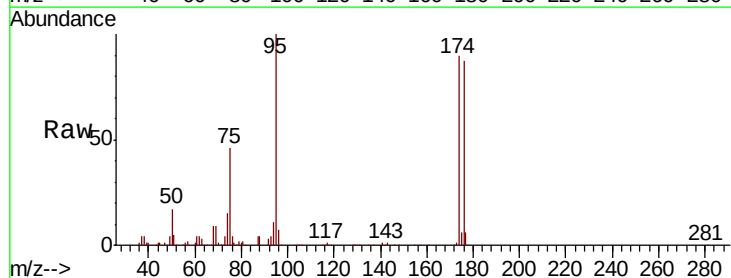
Acq: 20 Jun 2019 11:32

Tgt Ion: 75 Resp: 119201

Ion Ratio Lower Upper

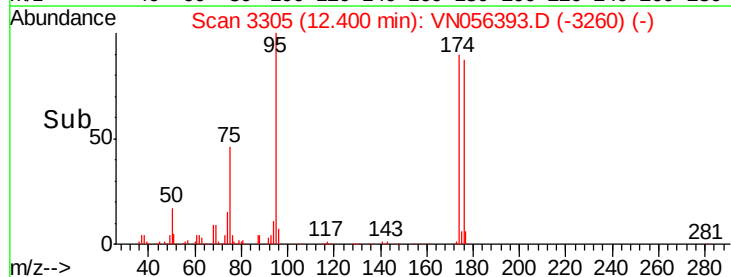
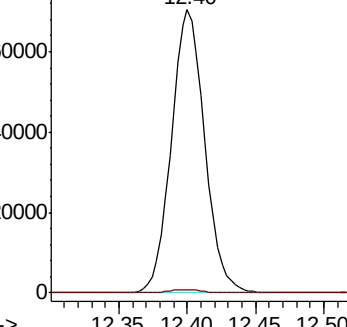
75 100

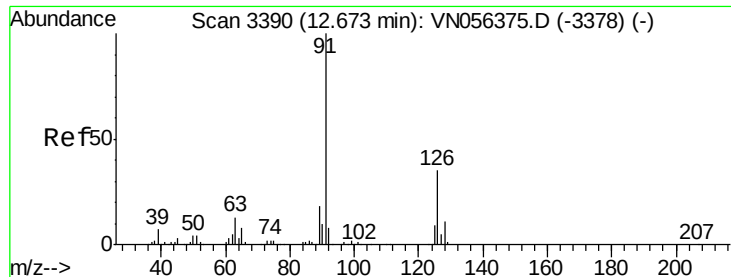
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056393.D

Acq: 20 Jun 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

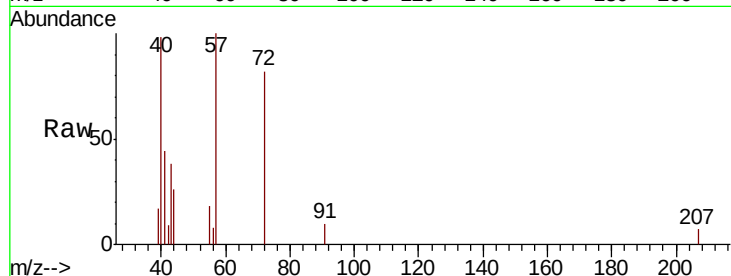
30271

Tot Ion: 91 Resp: 258

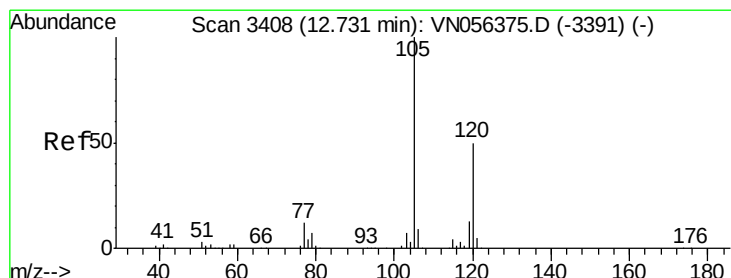
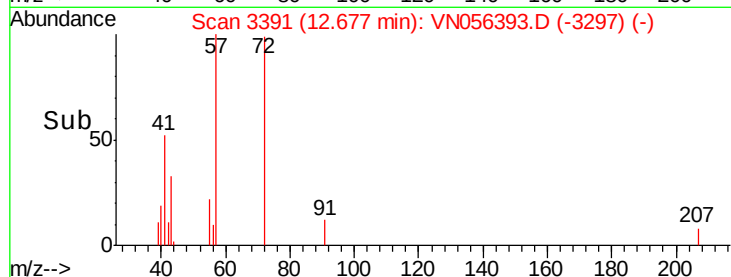
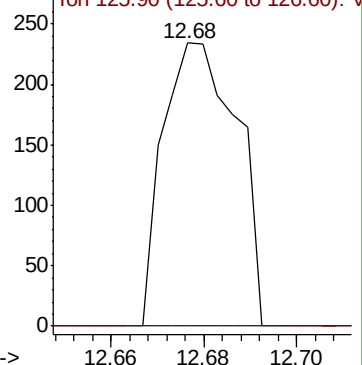
Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056393.D

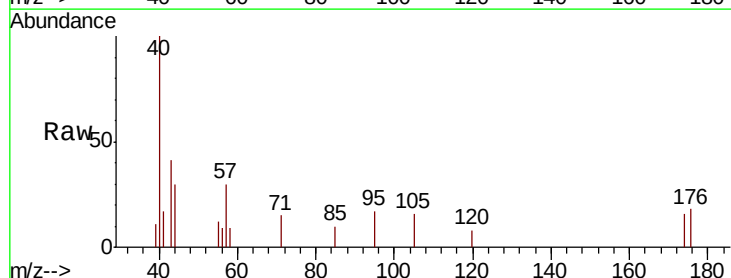
Acq: 20 Jun 2019 11:32

Tgt Ion: 105 Resp: 490

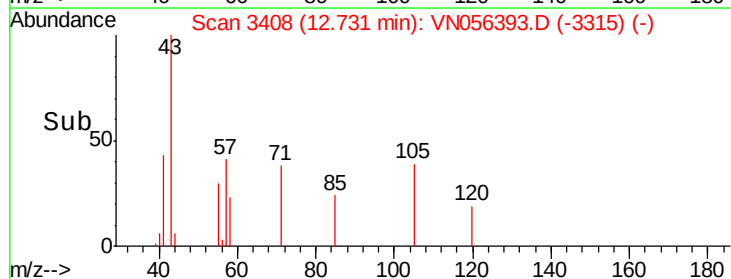
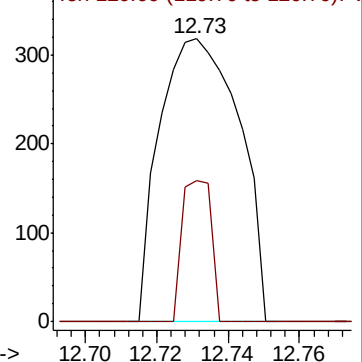
Ion Ratio Lower Upper

105 100

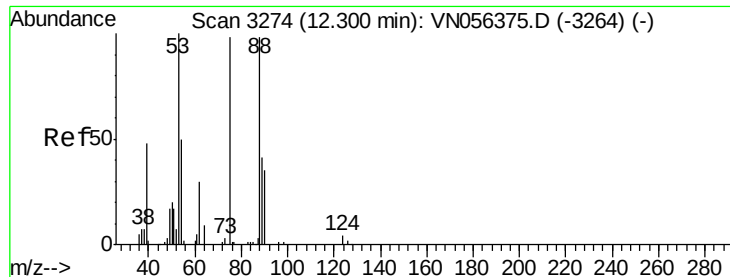
120 18.4 24.8 74.4#



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)



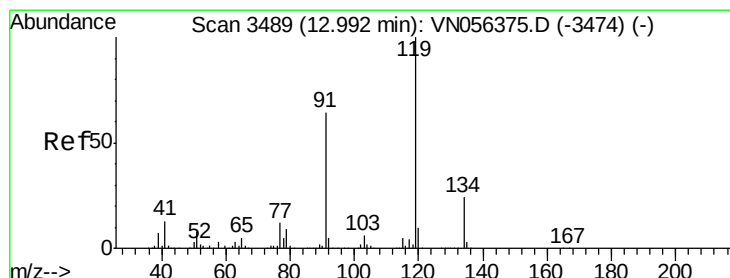
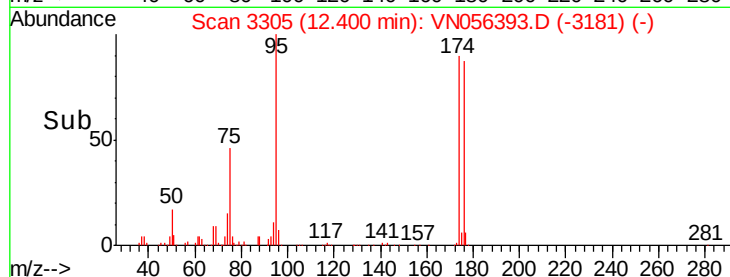
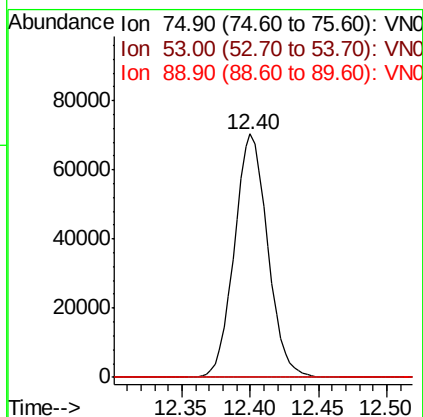
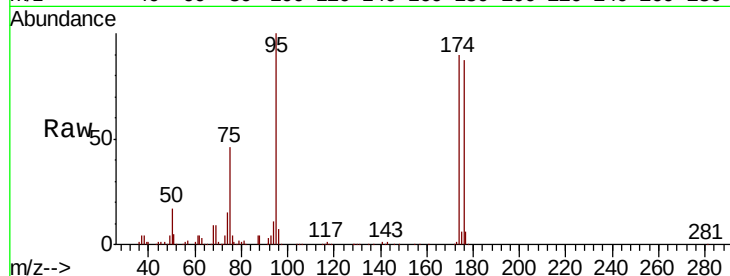




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.159 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056393.D  
 Acq: 20 Jun 2019 11:32

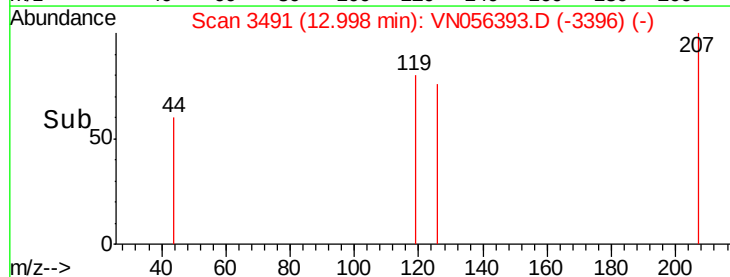
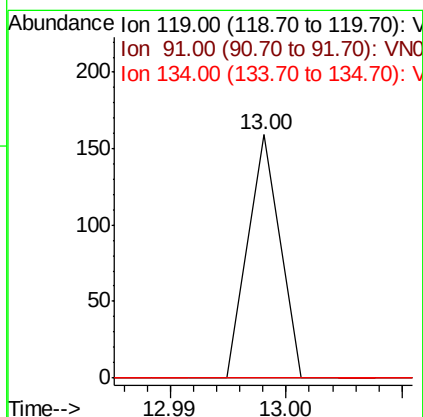
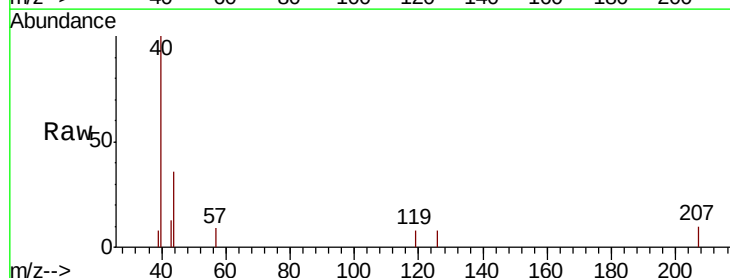
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30271

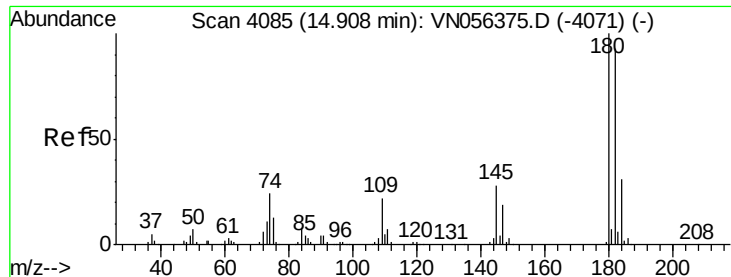
Tot Ion: 75 Resp: 119201  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.9 125.9#  
 89 0.0 35.0 52.6#



#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.01 min  
 Lab File: VN056393.D  
 Acq: 20 Jun 2019 11:32

Tgt Ion: 119 Resp: 31  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.6 94.7#  
 134 0.0 13.2 39.5#

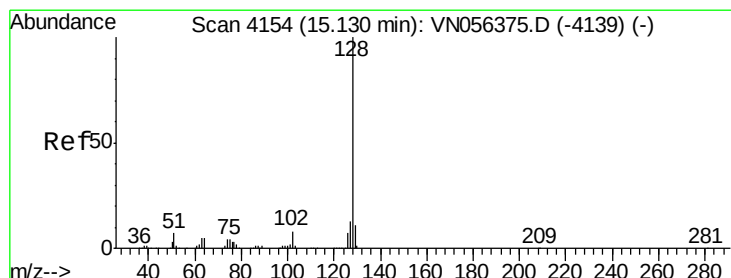
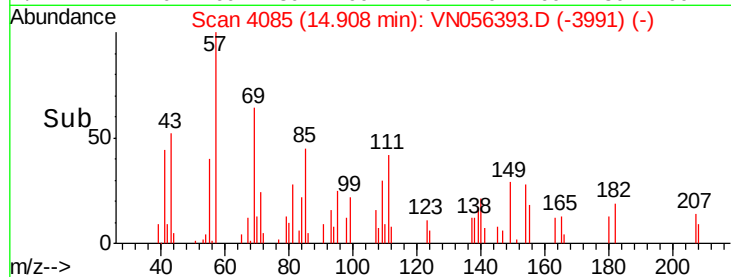
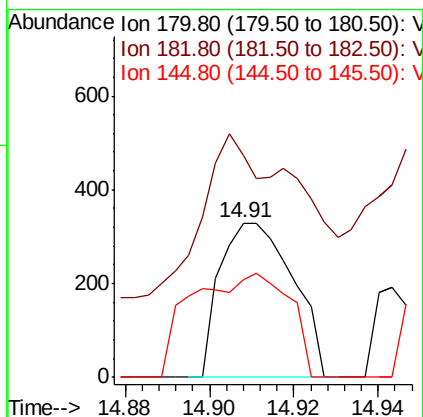
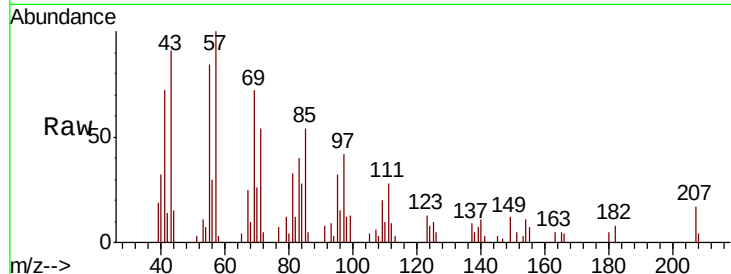




#93  
1,2,4-Trichlorobenzene  
Concen: 5.703 ug/l  
RT: 14.91 min Scan# 4085  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

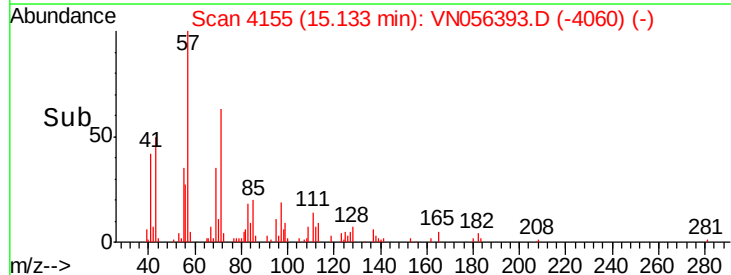
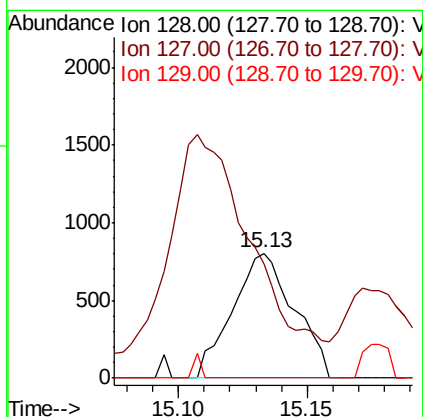
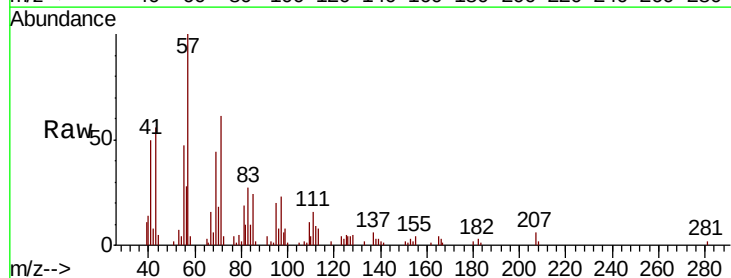
Instrument :  
MSVOA\_N  
ClientSampleId :  
30271

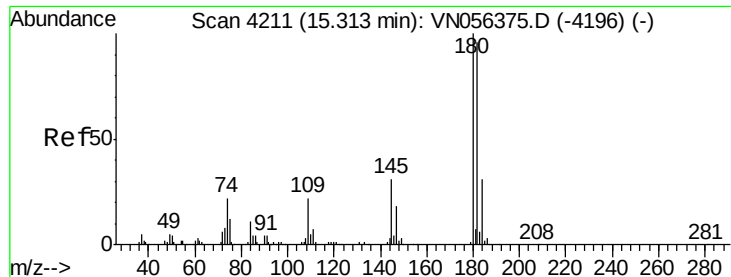
Tot Ion:180 Resp: 394  
Ion Ratio Lower Upper  
180 100  
182 304.8 46.9 140.6#  
145 90.6 14.4 43.0#



#95  
Naphthalene  
Concen: 5.362 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN056393.D  
Acq: 20 Jun 2019 11:32

Tgt Ion:128 Resp: 1339  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 12.8#

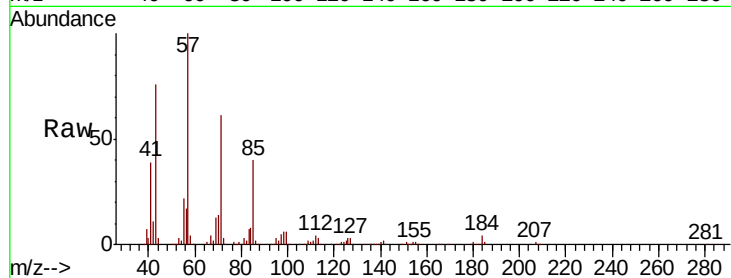




#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.727 ug/l  
 RT: 15.34 min Scan# 4219  
 Delta R.T. 0.03 min  
 Lab File: VN056393.D  
 Acq: 20 Jun 2019 11:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30271

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 115.9 | 48.3  | 144.8 |
| 145     | 27.1  | 15.4  | 46.1  |



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

