

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\  
 Data File : VN062674.D  
 Acq On : 31 Jul 2020 10:21  
 Operator : JC/MD  
 Sample : VN0731WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBL01

Quant Time: Aug 01 06:02:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 18:48:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 126583   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 223396   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 218919   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 76498    | 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   | 110131   | 56.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.02% |          |
| 35) Dibromofluoromethane    | 7.54  | 113  | 76283    | 51.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.98% |          |
| 50) Toluene-d8              | 10.06 | 98   | 292085   | 49.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 101964   | 47.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.26%  |          |

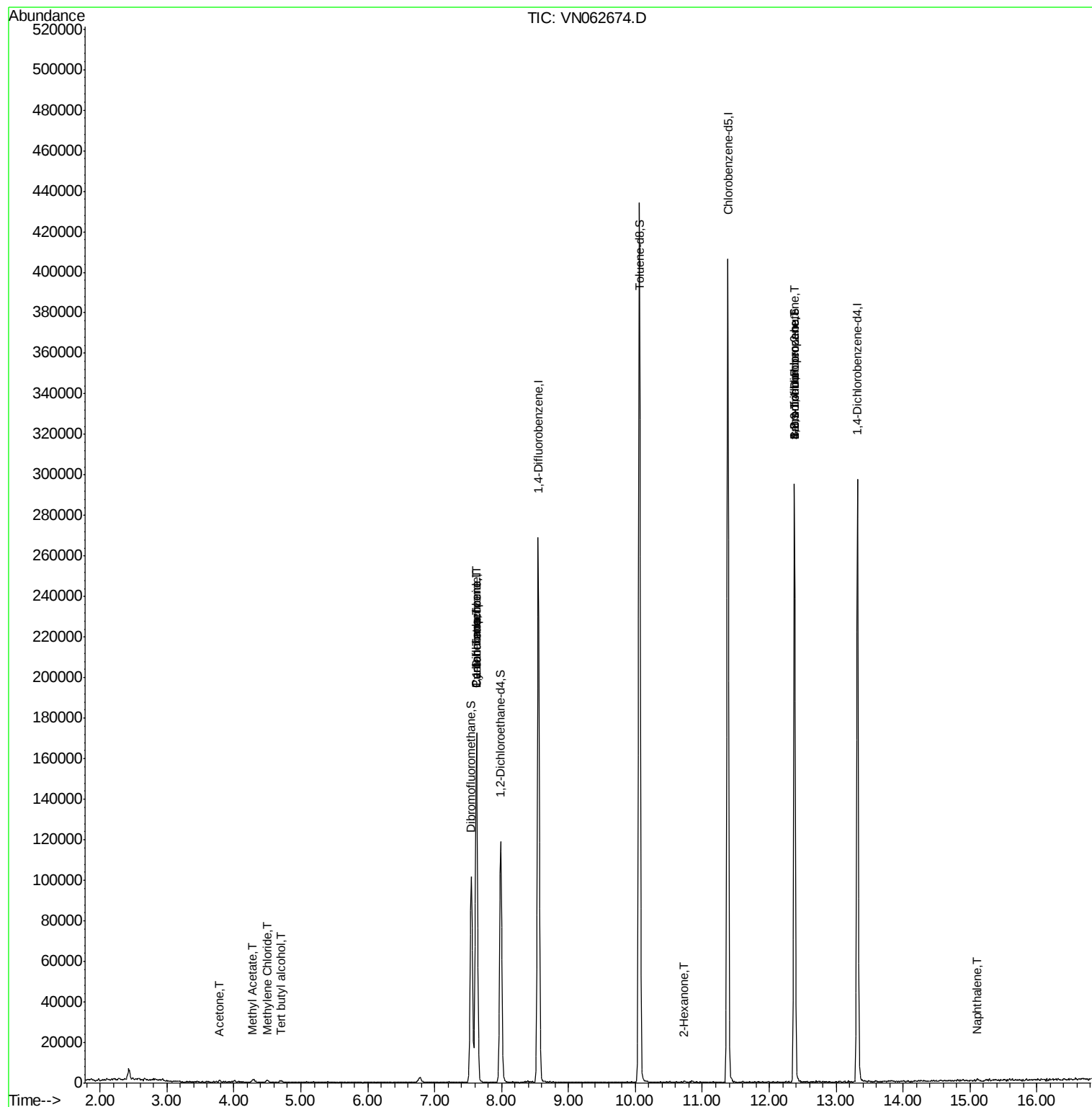
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.71  | 59   | 247      | 0.790  | ug/l # | 73     |
| 16) Acetone                    | 3.77  | 43   | 300      | 0.405  | ug/l # | 44     |
| 18) Methyl Acetate             | 4.28  | 43   | 1361     | 0.727  | ug/l # | 78     |
| 20) Methylene Chloride         | 4.50  | 84   | 430      | 0.242  | ug/l # | 28     |
| 31) Cyclohexane                | 7.63  | 56   | 3361     | 1.160  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.63  | 75   | 11591    | 4.868  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.63  | 117  | 13549    | 5.920  | ug/l # | 19     |
| 59) 2-Hexanone                 | 10.72 | 43   | 255      | 3.091  | ug/l # | 26     |
| 71) Bromoform                  | 12.37 | 173  | 492      | 0.380  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 56276    | 28.902 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 56276    | 80.456 | ug/l # | 12     |
| 95) Naphthalene                | 15.12 | 128  | 744      | 3.964  | ug/l # | 69     |

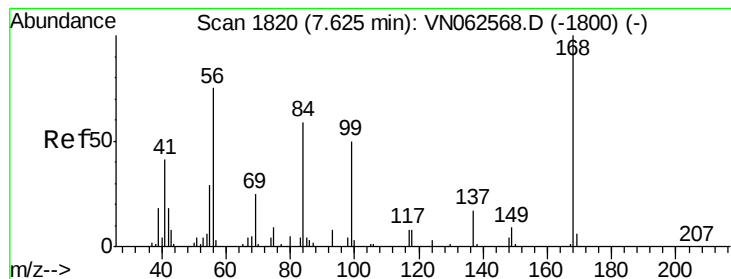
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\  
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Sample : VN0731WBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBL01

Quant Time: Aug 01 06:02:26 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 18:48:59 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: VN062674.D

Acq: 31 Jul 2020 10:21

Instrument :

MSVOA\_N

ClientSampled :

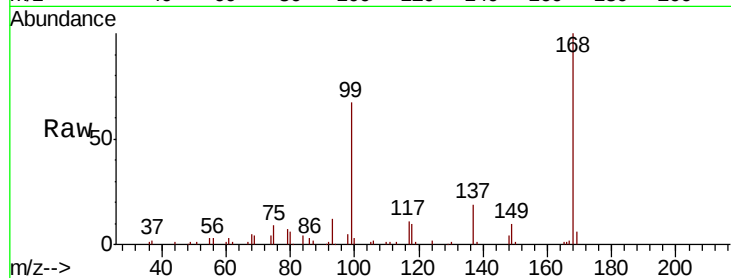
VN0731WBL01

Tot Ion:168 Resp: 126583

Ion Ratio Lower Upper

168 100

99 66.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

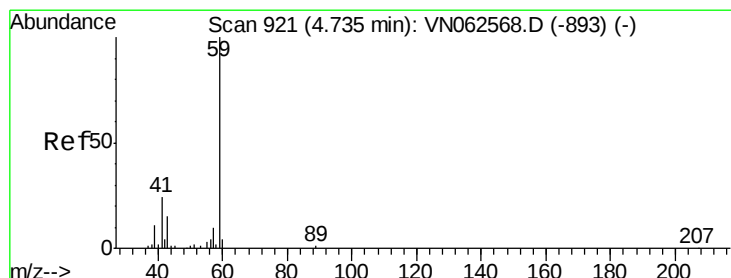
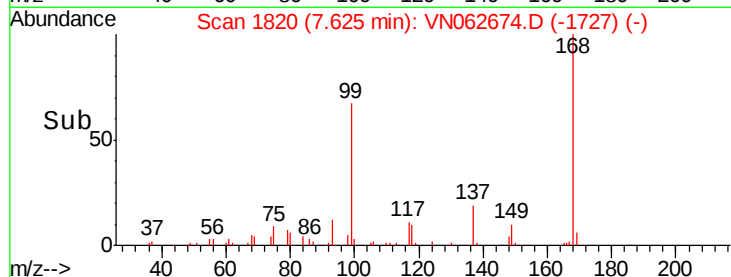
30000

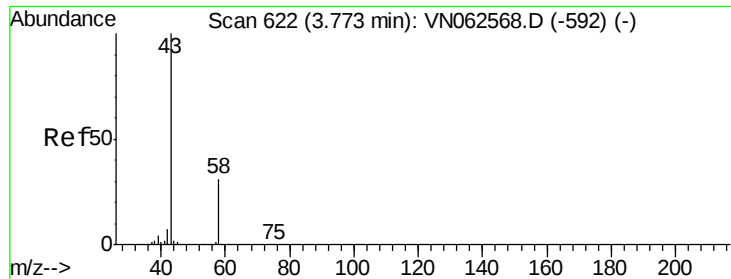
20000

10000

0

Time--> 7.50 7.60 7.70





#16

Acetone

Concen: 0.405 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

Instrument :

MSVOA\_N

ClientSampled :

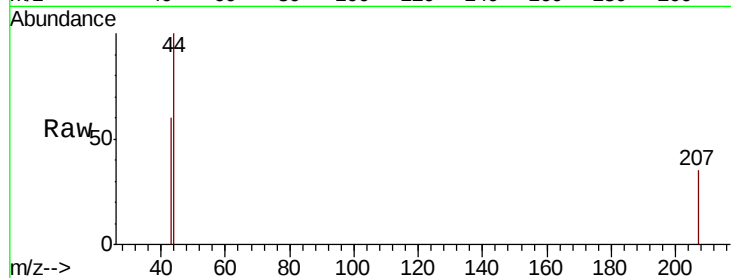
VN0731WBL01

Tot Ion: 43 Resp: 300

Ion Ratio Lower Upper

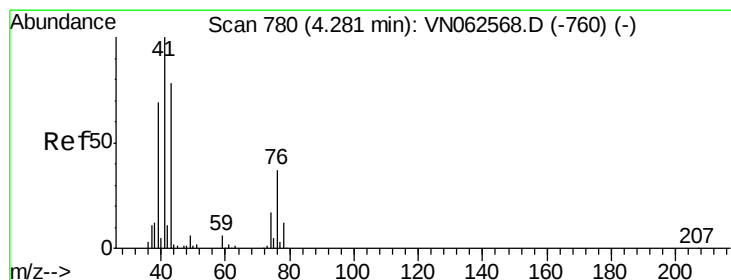
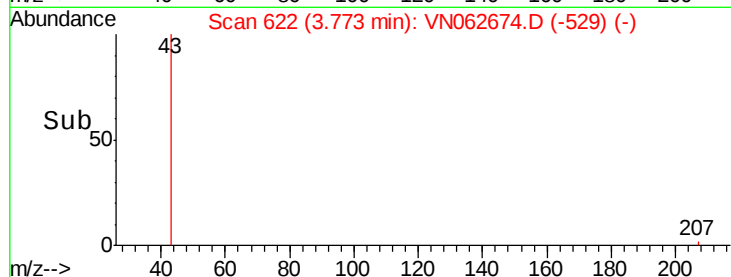
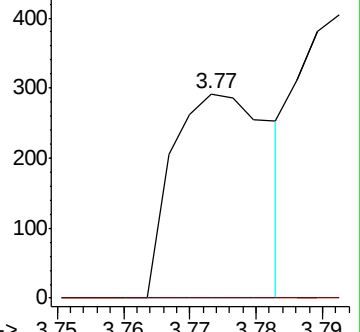
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.727 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062674.D

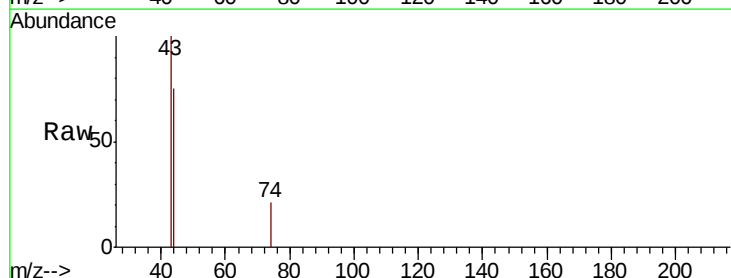
Acq: 31 Jul 2020 10:21

Tgt Ion: 43 Resp: 1361

Ion Ratio Lower Upper

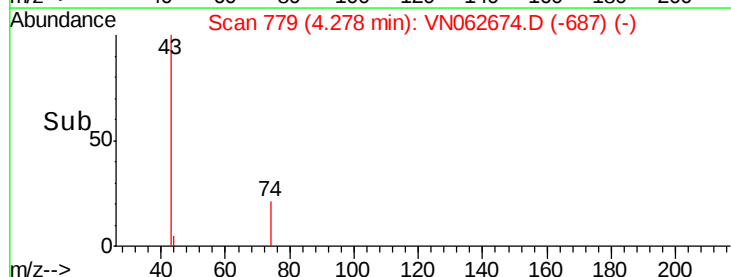
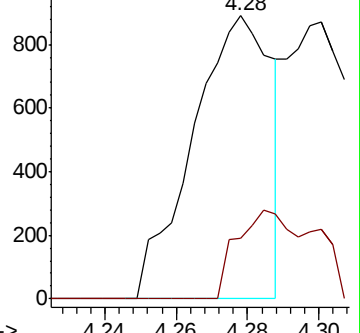
43 100

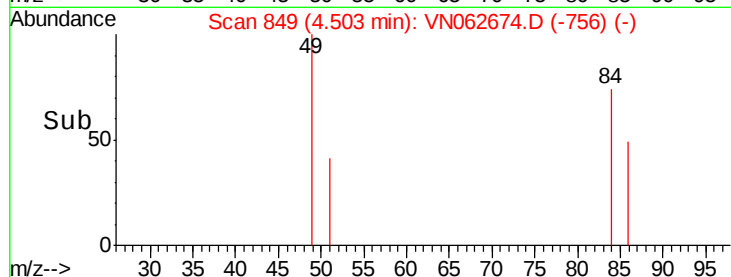
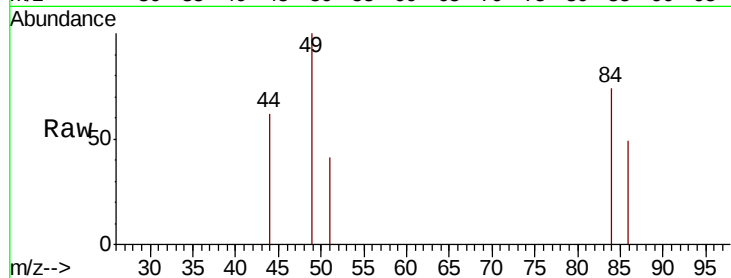
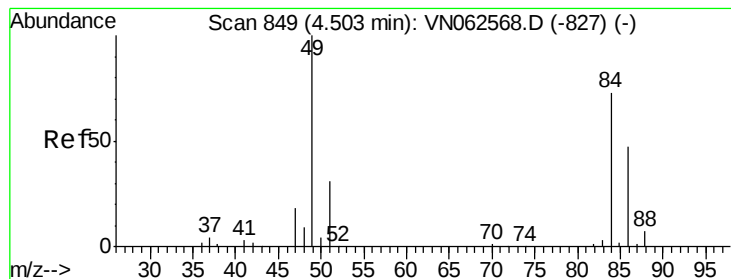
74 30.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.242 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBL01

Tot Ion: 84 Resp: 430

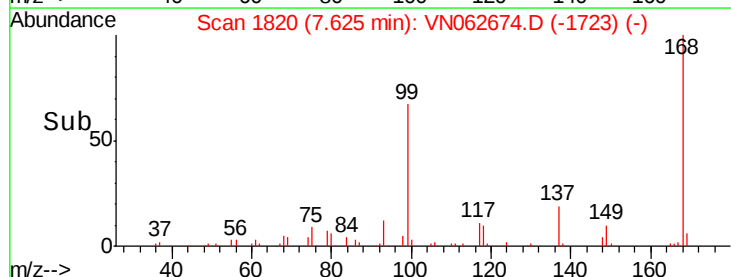
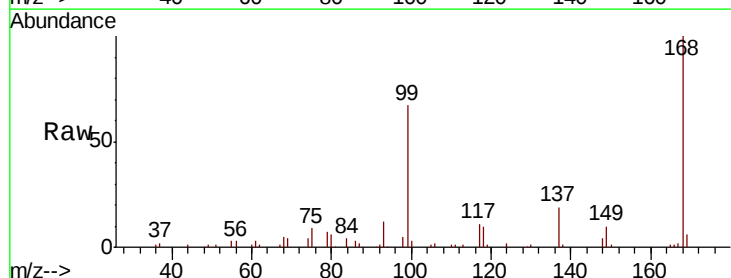
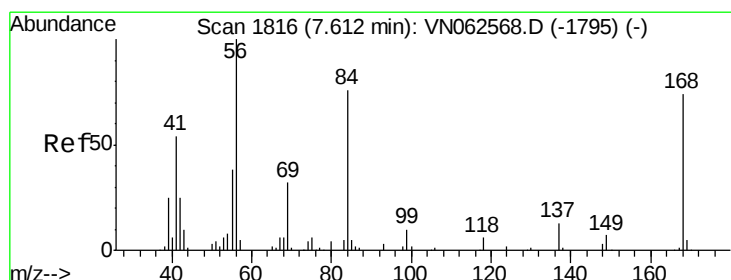
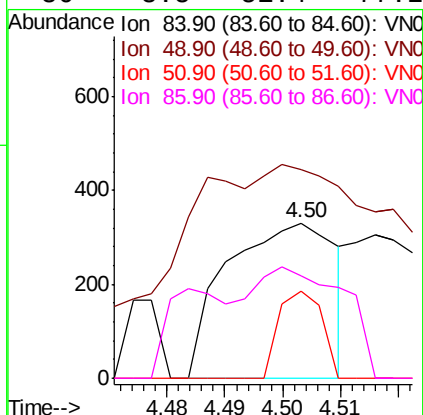
Ion Ratio Lower Upper

84 100

49 30.9 109.4 164.0#

51 55.8 33.6 50.4#

86 8.5 51.4 77.2#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

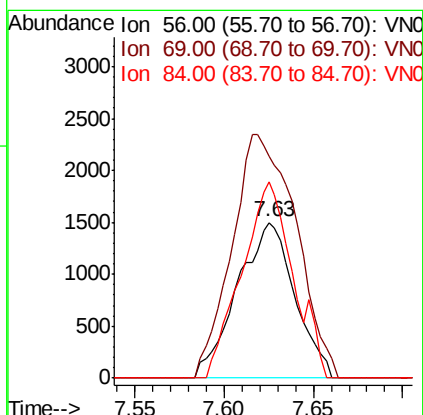
Tgt Ion: 56 Resp: 3361

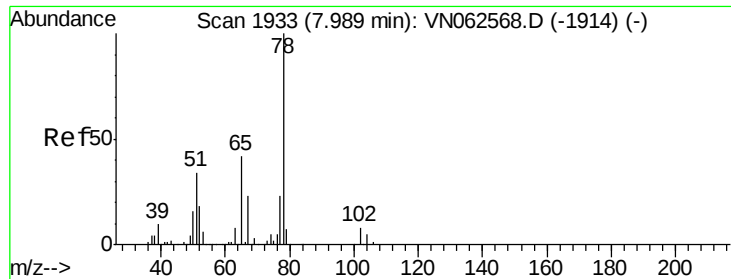
Ion Ratio Lower Upper

56 100

69 142.5 25.3 37.9#

84 125.5 61.0 91.4#

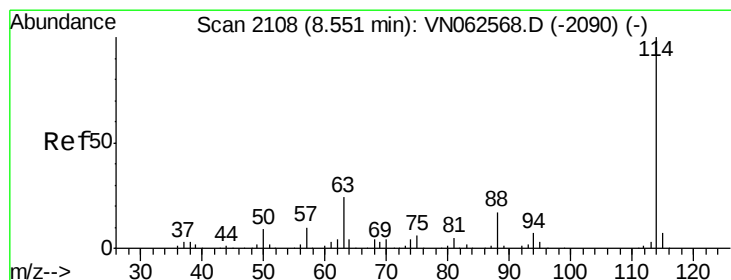
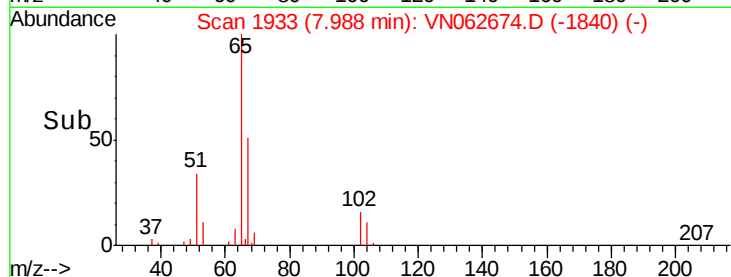
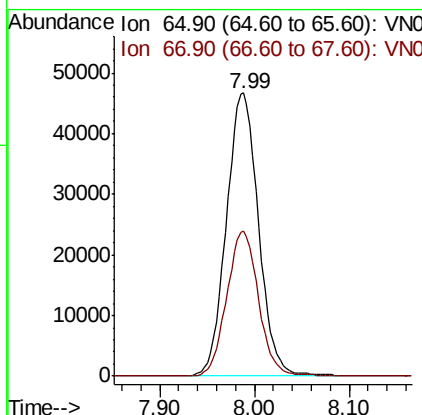
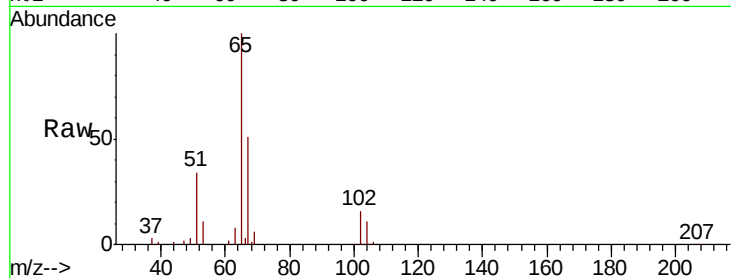




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.006 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN062674.D  
 Acq: 31 Jul 2020 10:21

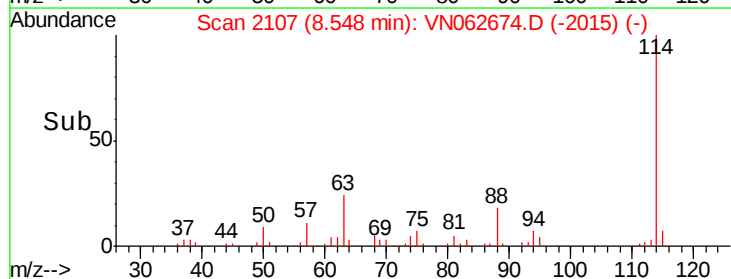
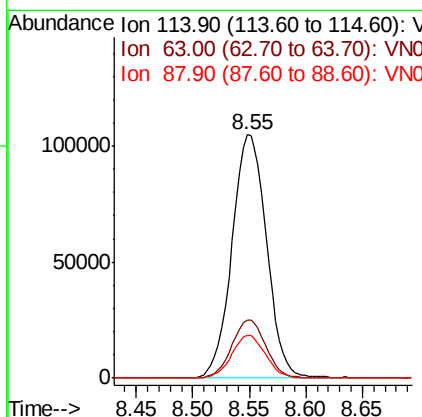
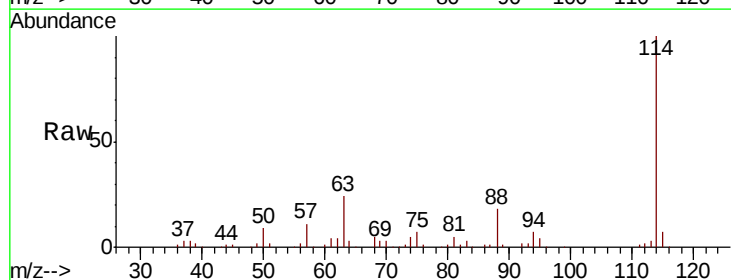
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0731WBL01

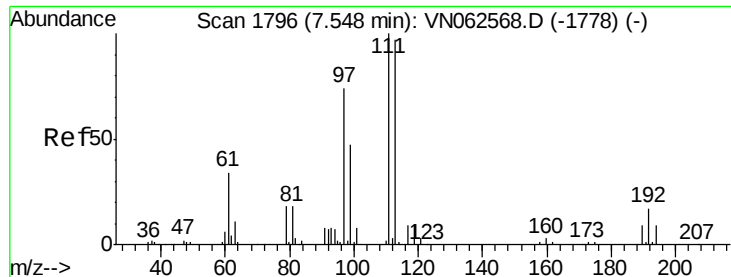
Tot Ion: 65 Resp: 110131  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 106.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN062674.D  
 Acq: 31 Jul 2020 10:21

Tgt Ion: 114 Resp: 223396  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 0.0 48.4  
 88 17.8 0.0 33.8

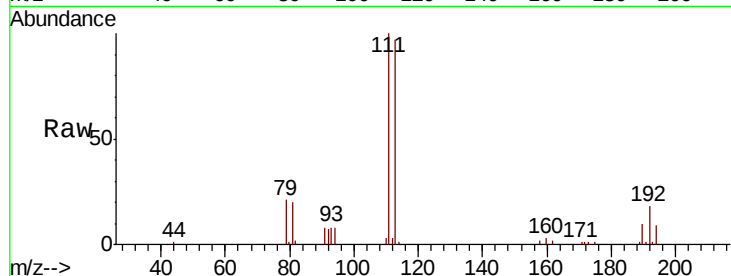




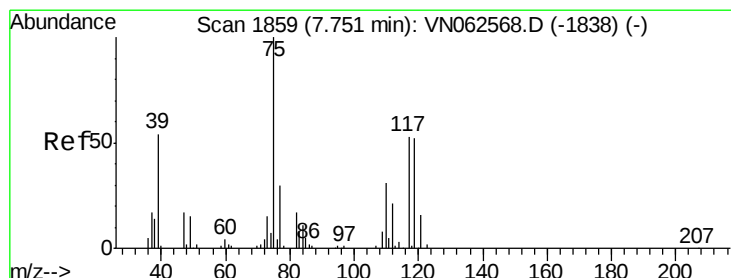
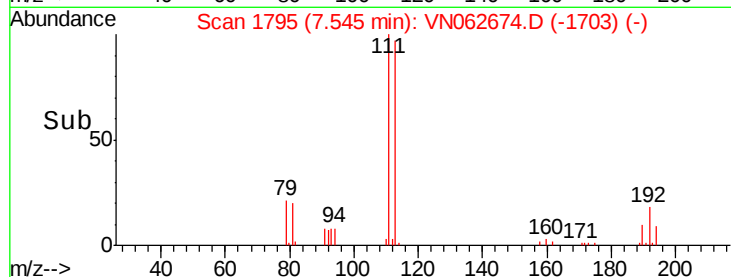
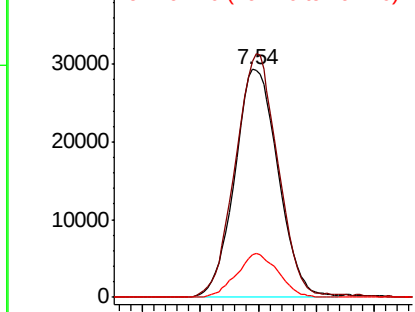
#35  
Dibromofluoromethane  
Concen: 51.985 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBL01

Tot Ion:113 Resp: 76283  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.7 124.1  
192 18.4 14.8 22.2

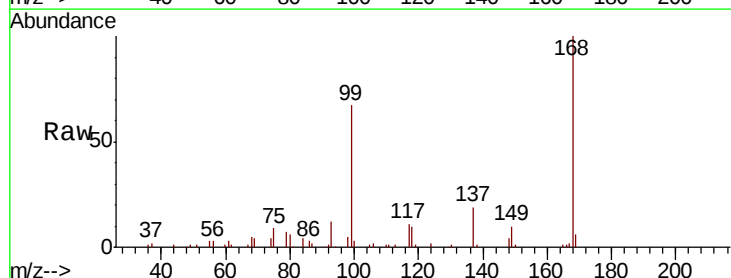


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

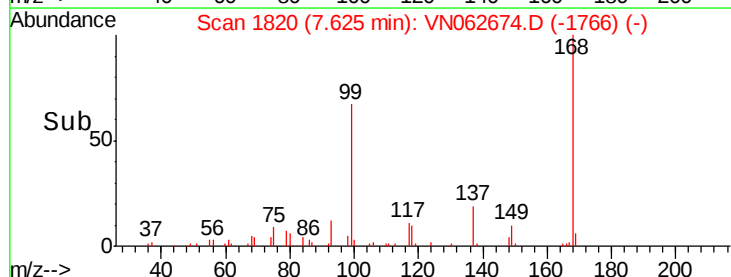
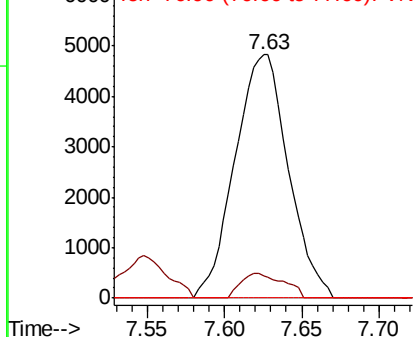


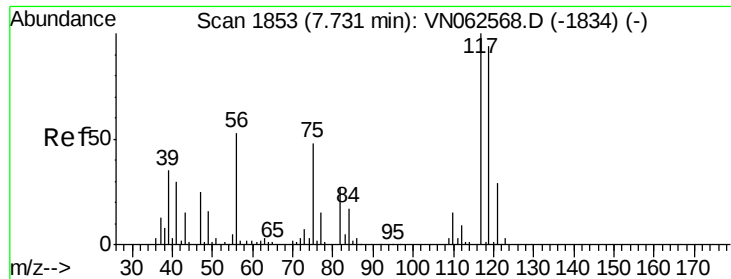
#36  
1,1-Dichloropropene  
Concen: 4.868 ug/l  
RT: 7.63 min Scan# 1820  
Delta R.T. -0.13 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Tgt Ion: 75 Resp: 11591  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.0 48.0#  
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VNO

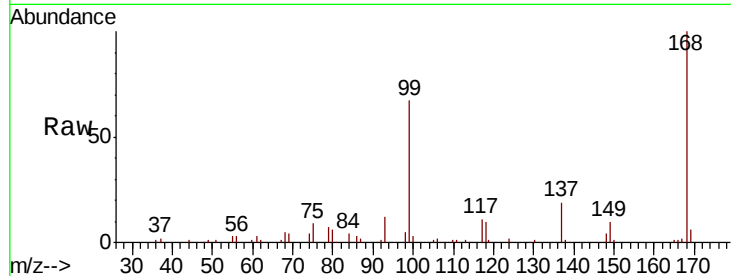




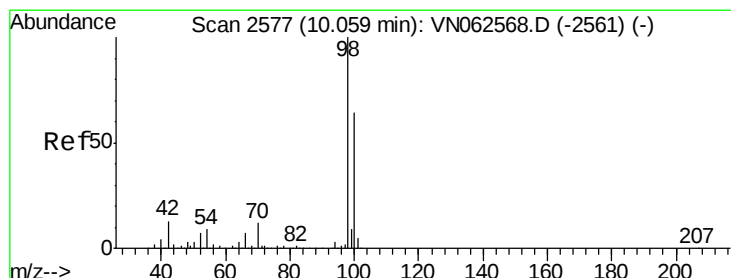
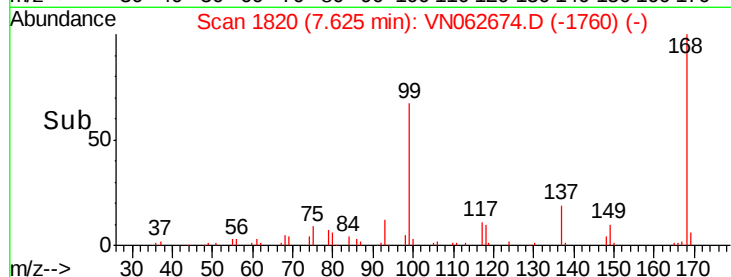
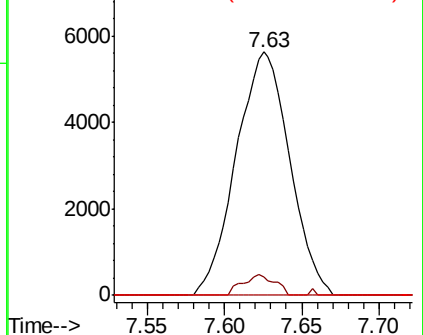
#38  
Carbon Tetrachloride  
Concen: 5.920 ug/l  
RT: 7.63 min Scan# 1820  
Delta R.T. -0.11 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBL01

Tot Ion:117 Resp: 13549  
Ion Ratio Lower Upper  
117 100  
119 7.5 74.8 112.2#  
121 0.0 23.0 34.6#

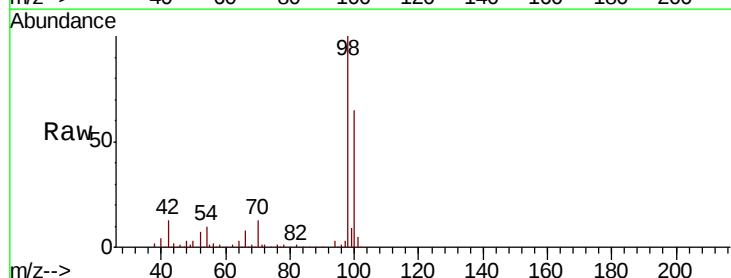


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

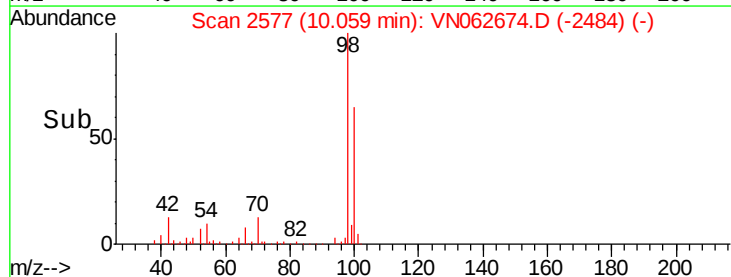
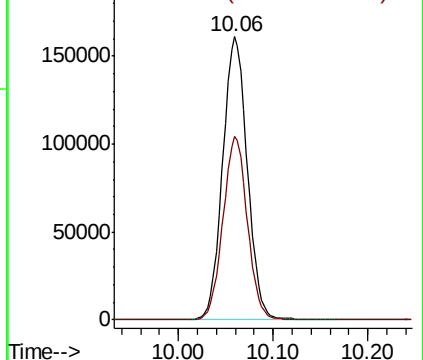


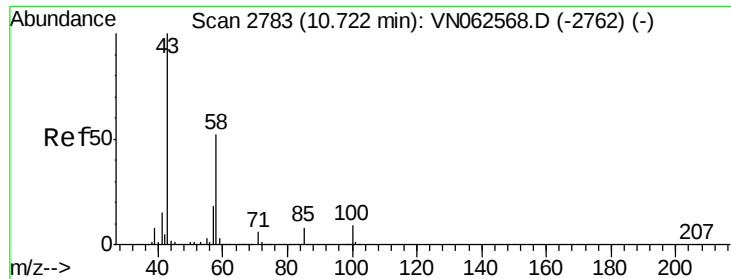
#50  
Toluene-d8  
Concen: 49.888 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Tgt Ion: 98 Resp: 292085  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.9 76.3



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

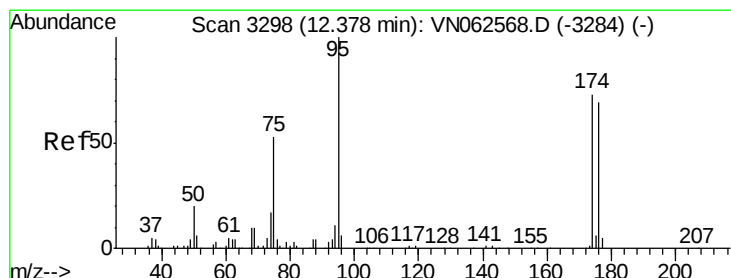
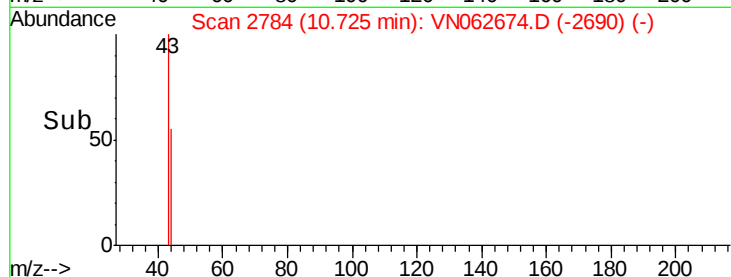
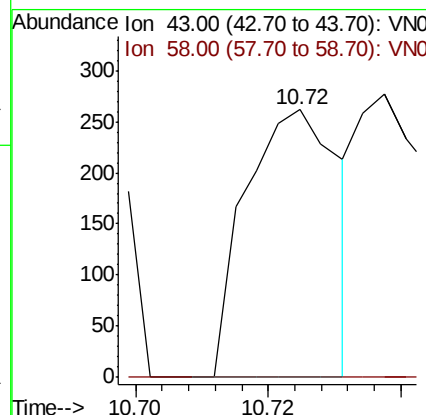
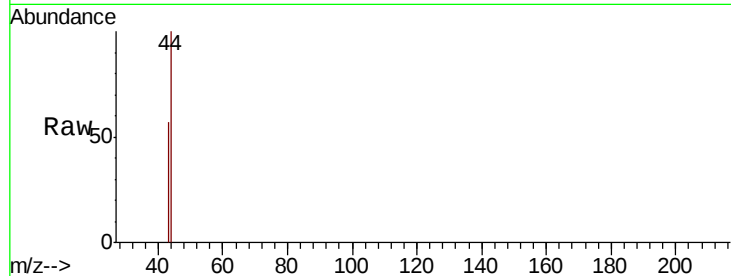




#59  
2-Hexanone  
Concen: 3.091 ug/l  
RT: 10.72 min Scan# 2784  
Delta R.T. 0.00 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

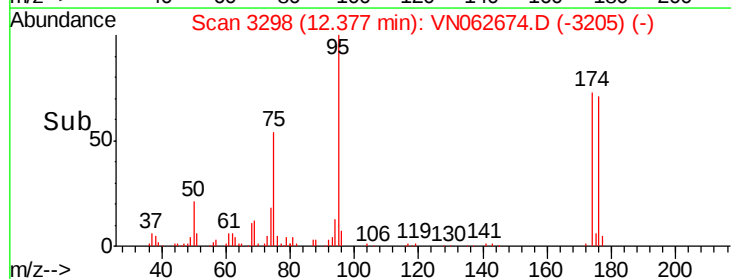
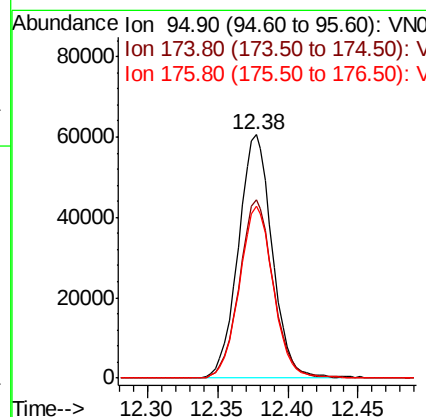
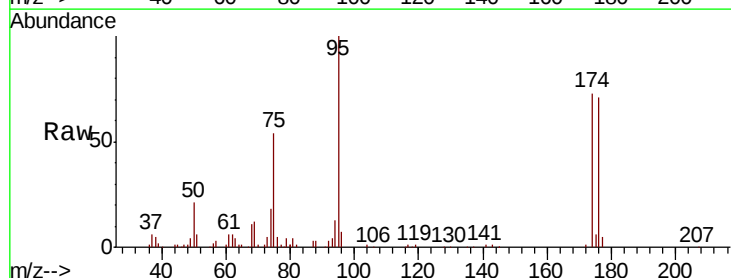
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0731WBL01

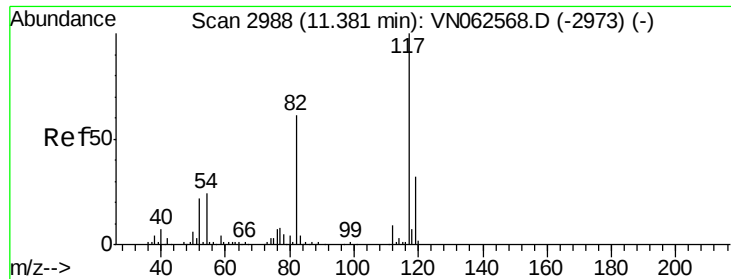
Tot Ion: 43 Resp: 255  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.0 78.0#



#62  
4-Bromofluorobenzene  
Concen: 47.630 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Tgt Ion: 95 Resp: 101964  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 144.6  
176 70.9 0.0 139.4

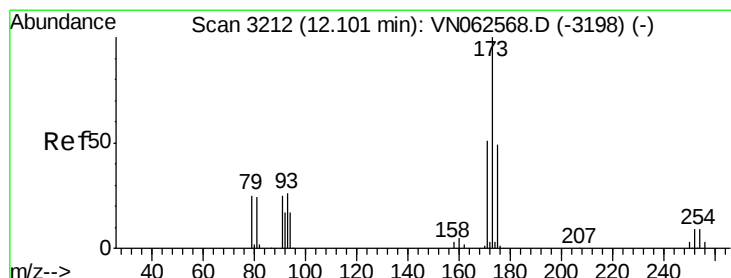
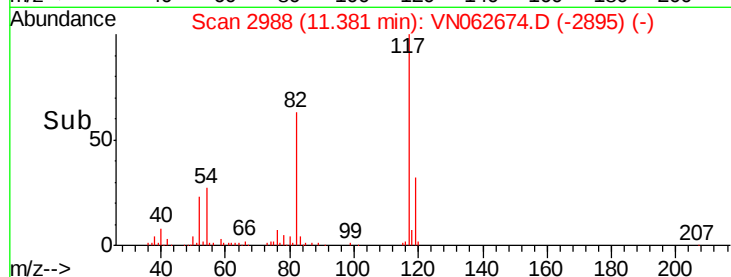
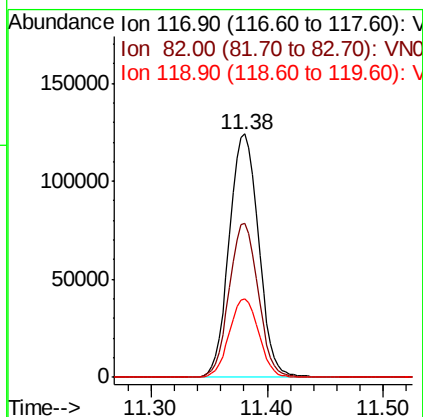
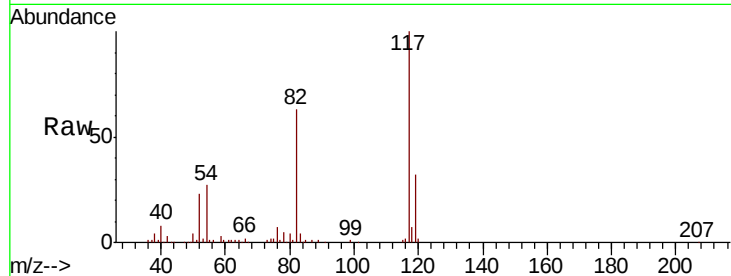




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

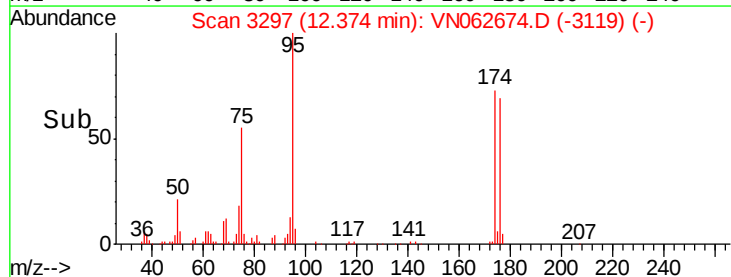
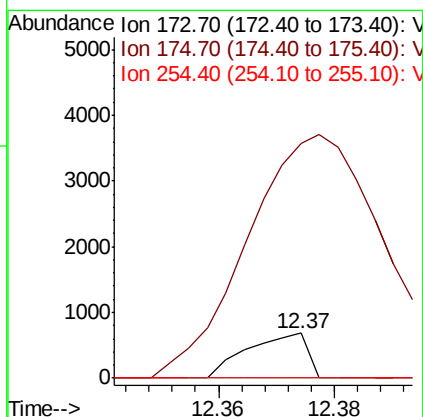
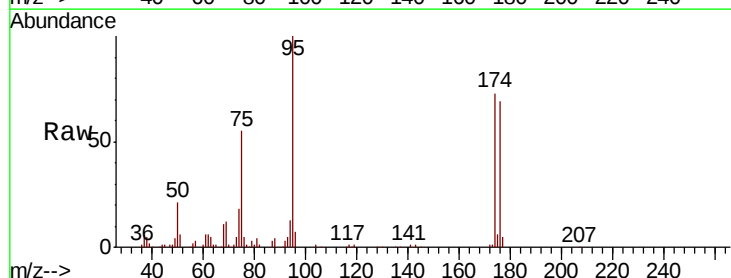
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBL01

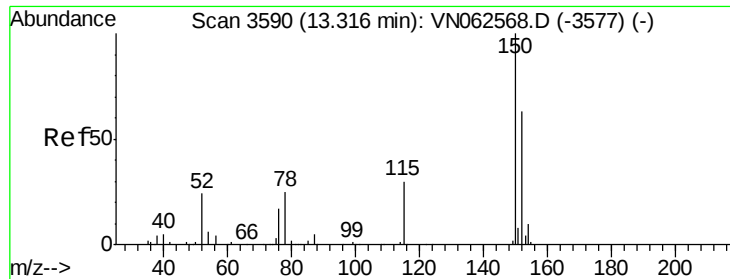
Tot Ion:117 Resp: 218919  
Ion Ratio Lower Upper  
117 100  
82 63.4 49.0 73.6  
119 32.3 25.4 38.2



#71  
Bromoform  
Concen: 0.380 ug/l  
RT: 12.37 min Scan# 3297  
Delta R.T. 0.27 min  
Lab File: VN062674.D  
Acq: 31 Jul 2020 10:21

Tgt Ion:173 Resp: 492  
Ion Ratio Lower Upper  
173 100  
175 1058.1 24.1 72.2#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBL01

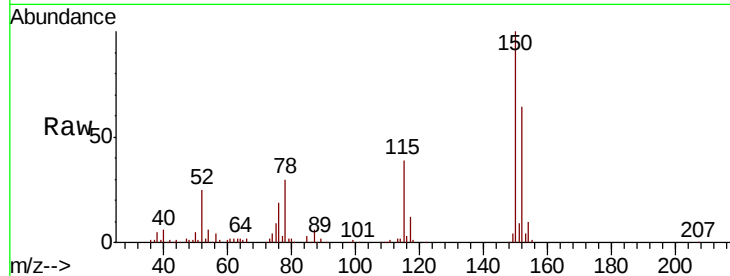
Tot Ion:152 Resp: 76498

Ion Ratio Lower Upper

152 100

115 63.9 31.8 95.4

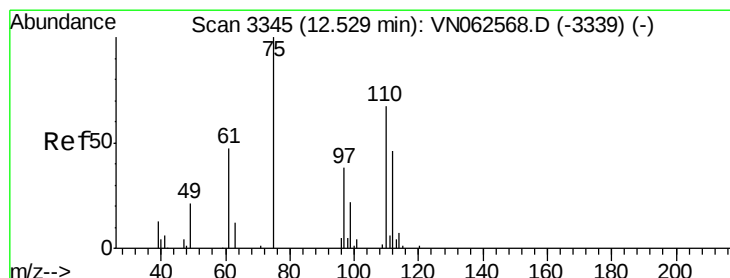
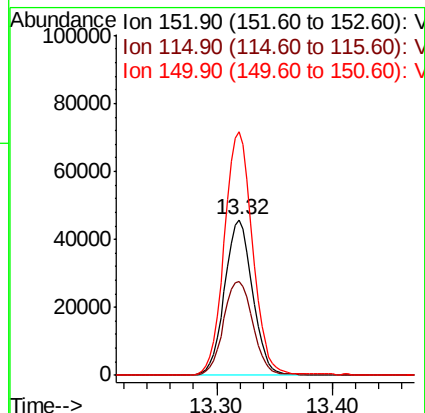
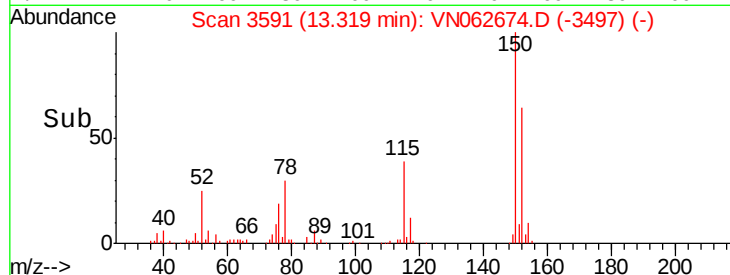
150 157.2 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 28.902 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062674.D

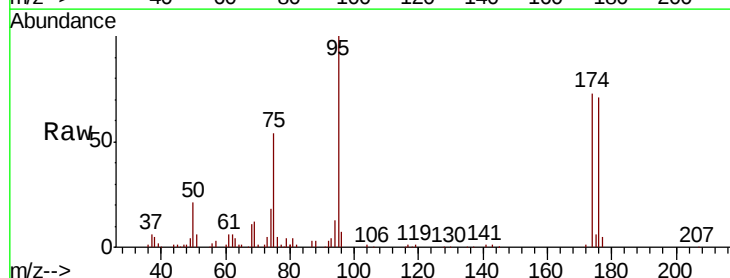
Acq: 31 Jul 2020 10:21

Tgt Ion: 75 Resp: 56276

Ion Ratio Lower Upper

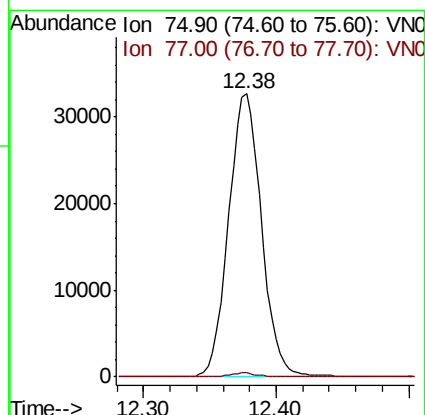
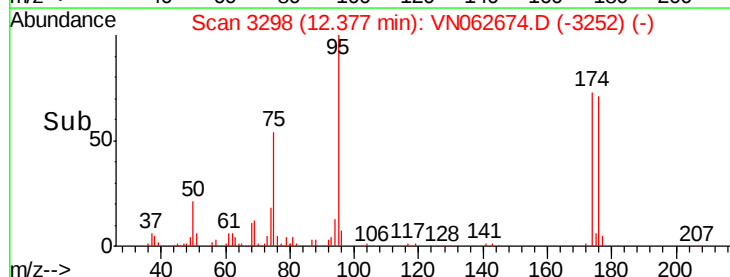
75 100

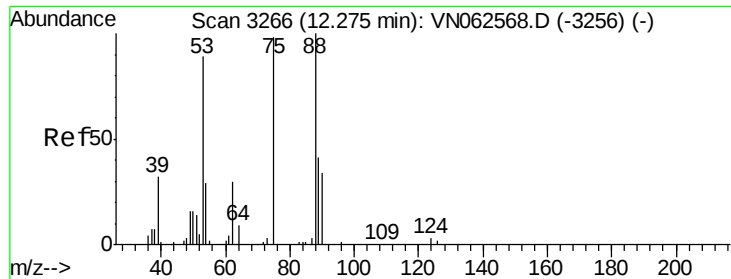
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 80.456 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

Instrument :

MSVOA\_N

ClientSampled :

VN0731WBL01

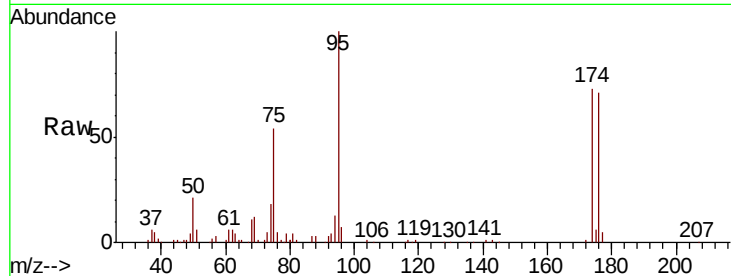
Tot Ion: 75 Resp: 56276

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

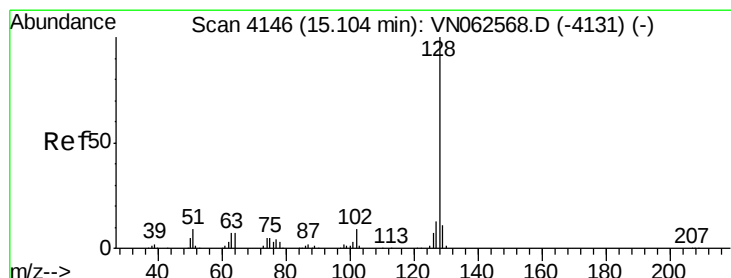
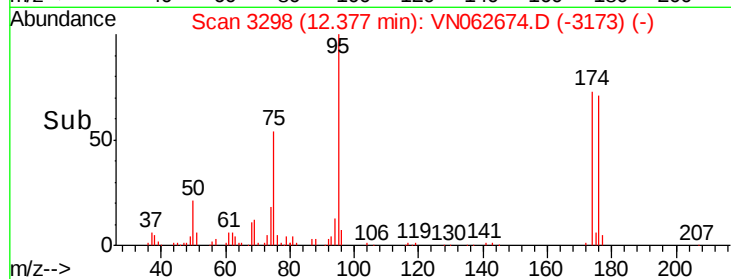
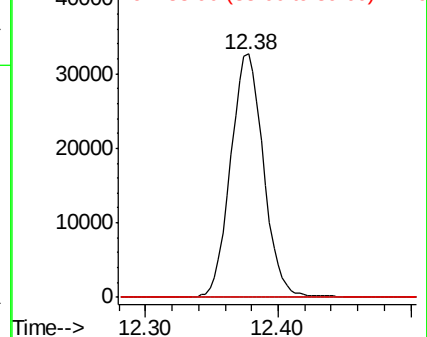
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.964 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062674.D

Acq: 31 Jul 2020 10:21

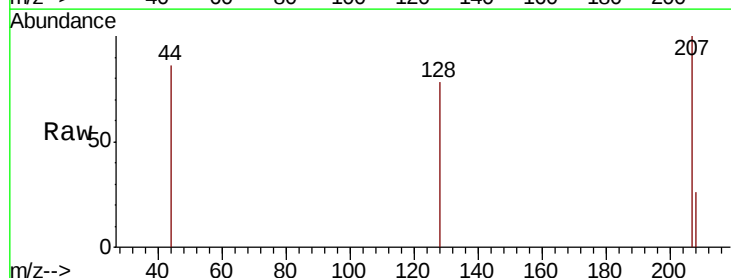
Tgt Ion: 128 Resp: 744

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

