

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081120\  
 Data File : VN062830.D  
 Acq On : 11 Aug 2020 15:06  
 Operator : JC/MD  
 Sample : L3624-16  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS-TP-4

Quant Time: Aug 11 15:42:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:26:42 2020  
 Response via : Initial Calibration

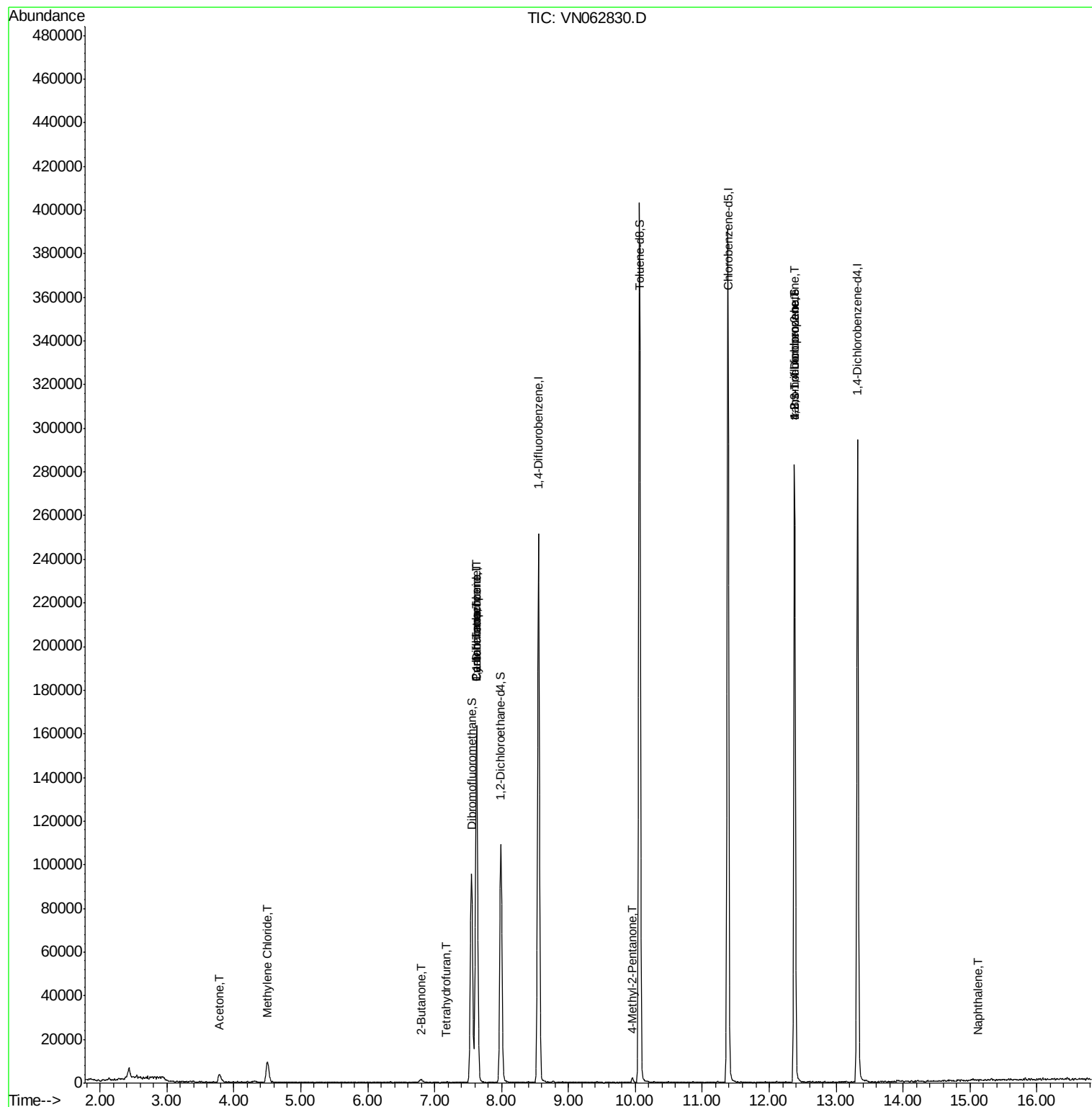
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.63  | 168  | 123897   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.55  | 114  | 214684   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.38 | 117  | 216927   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.32 | 152  | 78902    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 7.99  | 65   | 103878   | 50.70     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 101.40% |          |
| 35) Dibromofluoromethane       | 7.55  | 113  | 73736    | 50.21     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 100.42% |          |
| 50) Toluene-d8                 | 10.06 | 98   | 279059   | 48.67     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 97.34%  |          |
| 62) 4-Bromofluorobenzene       | 12.38 | 95   | 102594   | 47.35     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 94.70%  |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 16) Acetone                    | 3.78  | 43   | 7385     | 9.975     | ug/l    | 98       |
| 17) Carbon Disulfide           | 4.00  | 76   | 140      | Below Cal | #       | 74       |
| 18) Methyl Acetate             | 4.29  | 43   | 1052     | Below Cal | #       | 52       |
| 20) Methylene Chloride         | 4.50  | 84   | 7691     | 4.992     | ug/l #  | 94       |
| 25) 2-Butanone                 | 6.80  | 43   | 679      | 0.648     | ug/l #  | 49       |
| 29) Tetrahydrofuran            | 7.17  | 42   | 139      | 0.204     | ug/l #  | 33       |
| 31) Cyclohexane                | 7.62  | 56   | 3124     | 1.258     | ug/l #  | 32       |
| 36) 1,1-Dichloropropene        | 7.63  | 75   | 10490    | 5.018     | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.63  | 117  | 13088    | 5.294     | ug/l #  | 16       |
| 51) 4-Methyl-2-Pentanone       | 9.96  | 43   | 1594     | 0.676     | ug/l    | 88       |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 55638    | 26.147    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 55638    | 79.819    | ug/l #  | 10       |
| 95) Naphthalene                | 15.11 | 128  | 94       | 3.732     | ug/l #  | 68       |

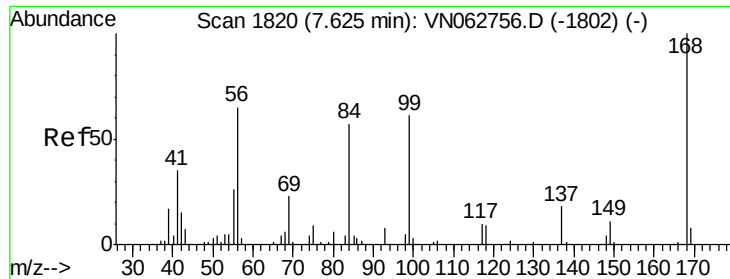
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:26:42 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: VN062830.D

Acq: 11 Aug 2020 15:06

Instrument :

MSVOA\_N

ClientSampleId :

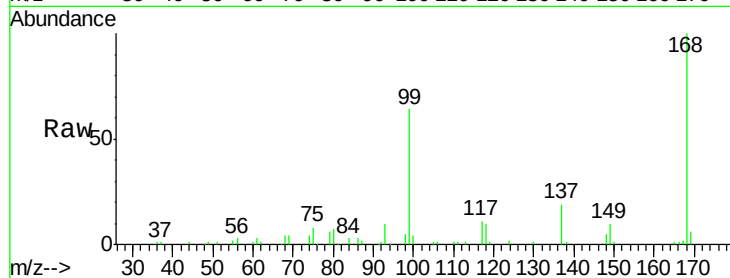
SS-TP-4

Tgt Ion:168 Resp: 123897

Ion Ratio Lower Upper

168 100

99 64.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

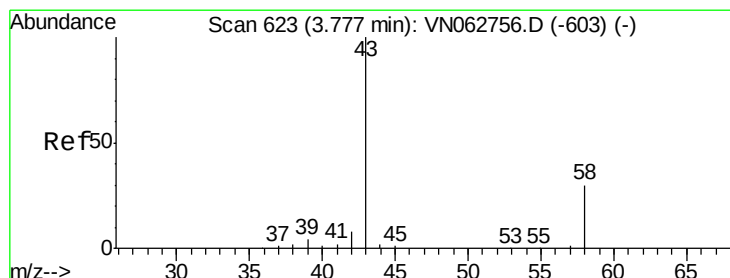
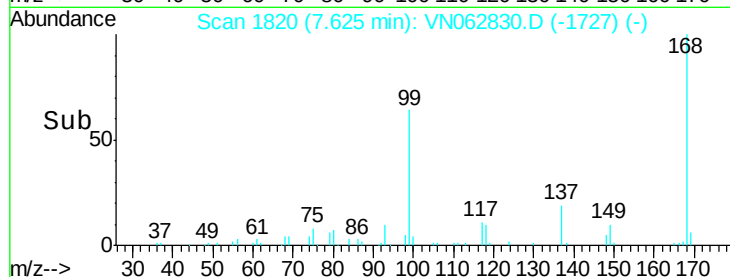
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 9.975 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062830.D

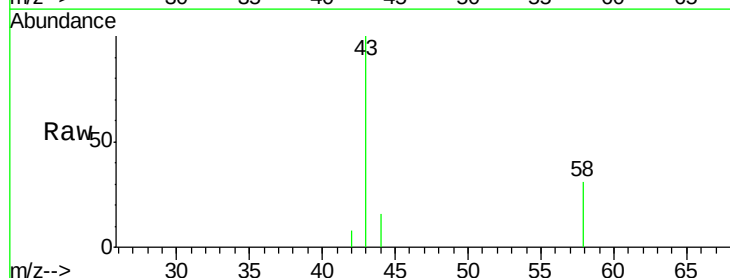
Acq: 11 Aug 2020 15:06

Tgt Ion: 43 Resp: 7385

Ion Ratio Lower Upper

43 100

58 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3000

2500

2000

1500

1000

500

0

3.70

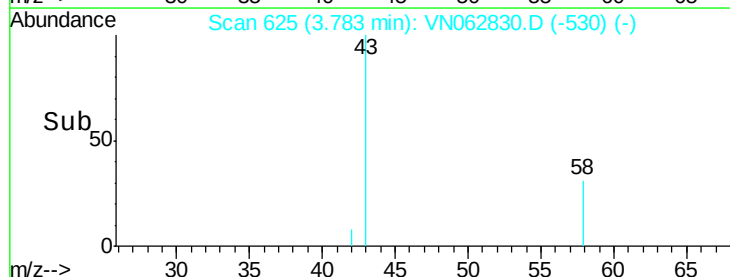
3.75

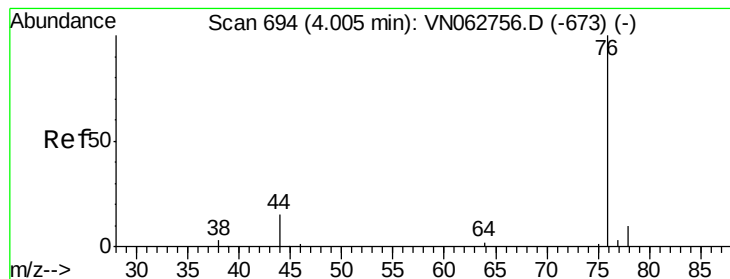
3.80

3.85

3.90

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062830.D

Acq: 11 Aug 2020 15:06

Instrument :

MSVOA\_N

ClientSampled :

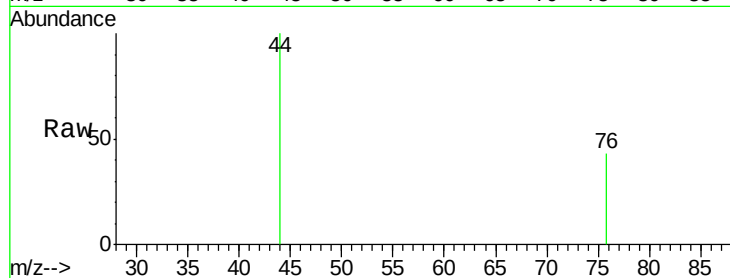
SS-TP-4

Tgt Ion: 76 Resp: 140

Ion Ratio Lower Upper

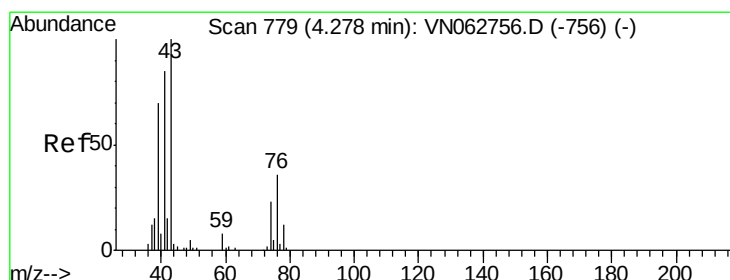
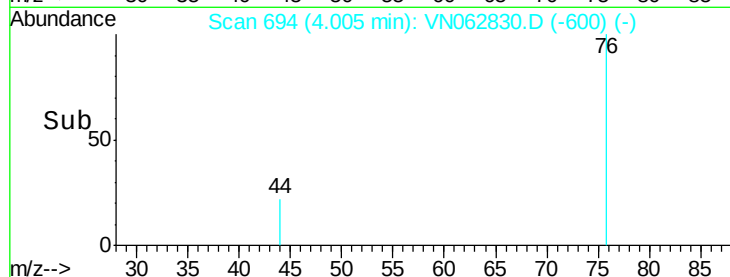
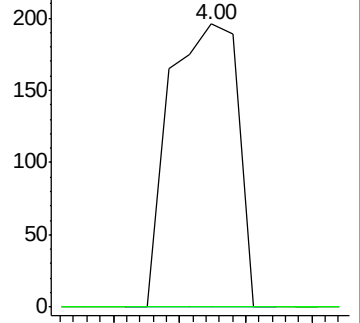
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062830.D

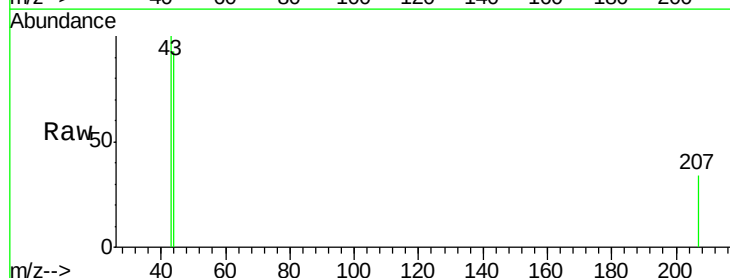
Acq: 11 Aug 2020 15:06

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

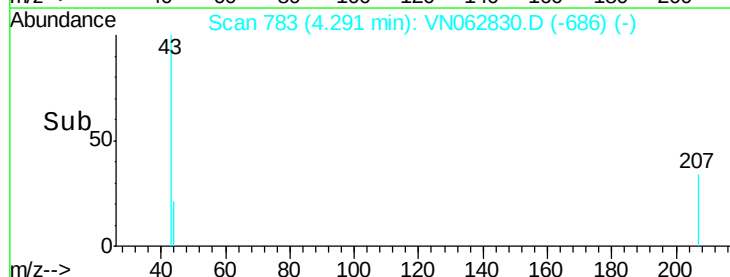
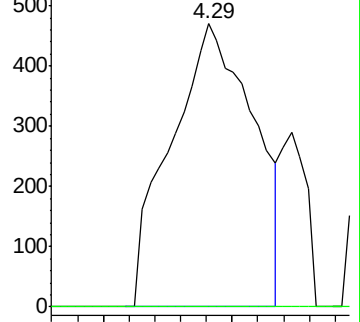
43 100

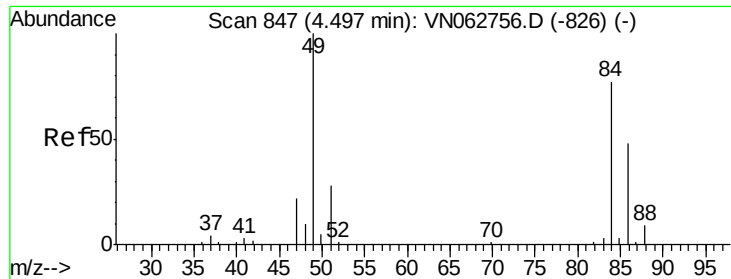
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

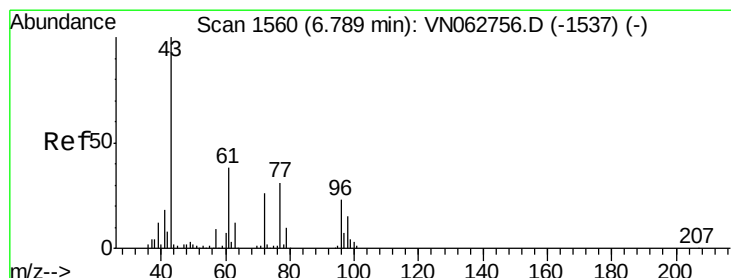
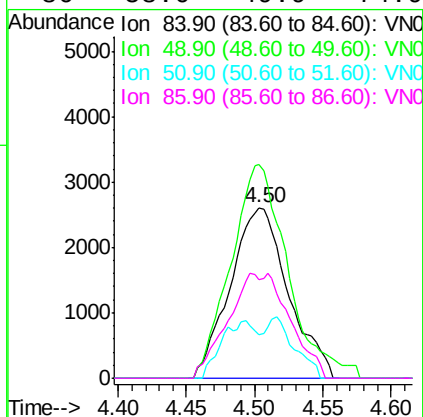
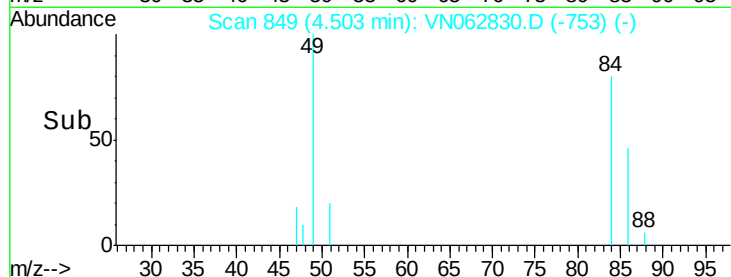
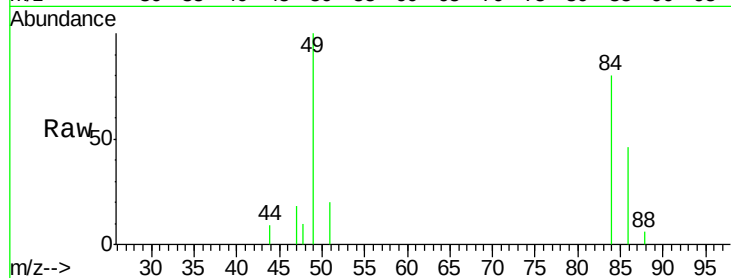




#20  
Methylene Chloride  
Concen: 4.992 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. 0.01 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

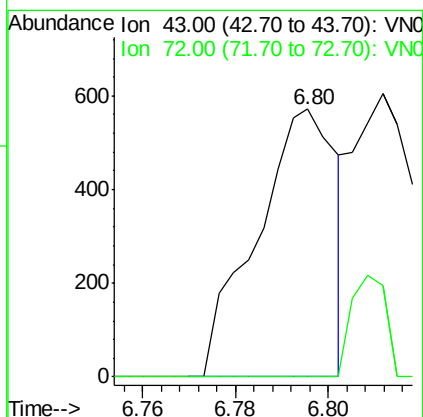
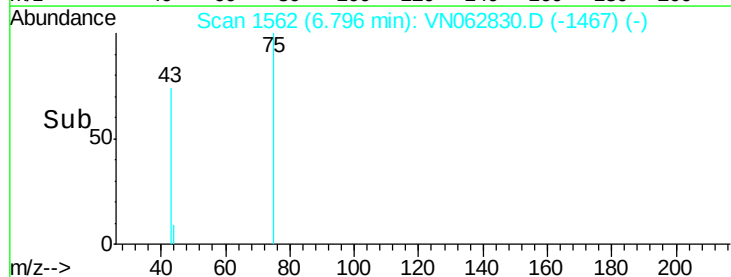
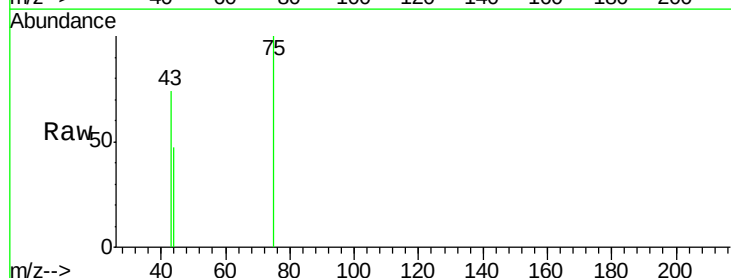
Instrument :  
MSVOA\_N  
ClientSampleId :  
SS-TP-4

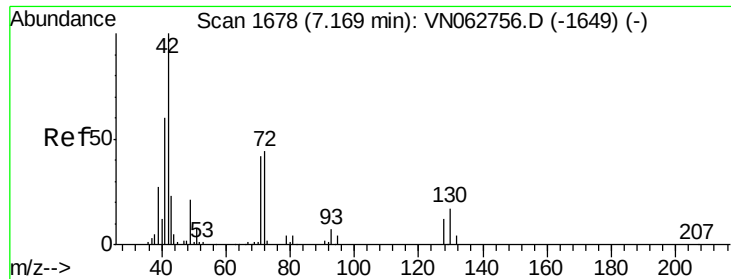
Tgt Ion: 84 Resp: 7691  
Ion Ratio Lower Upper  
84 100  
49 125.4 103.4 155.2  
51 25.4 29.3 43.9#  
86 58.0 49.9 74.9



#25  
2-Butanone  
Concen: 0.648 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.01 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

Tgt Ion: 43 Resp: 679  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.1 31.7#

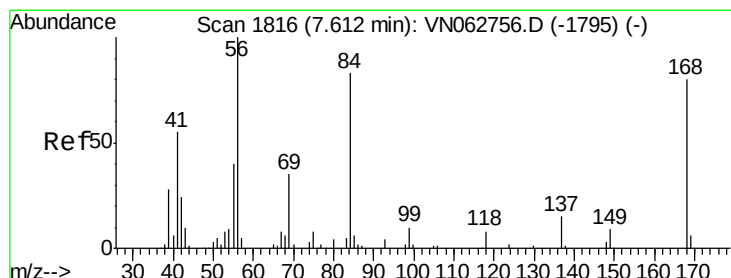
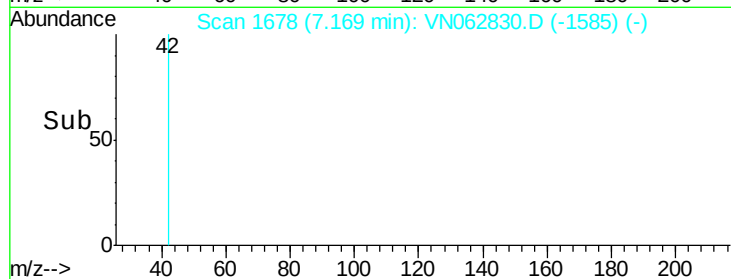
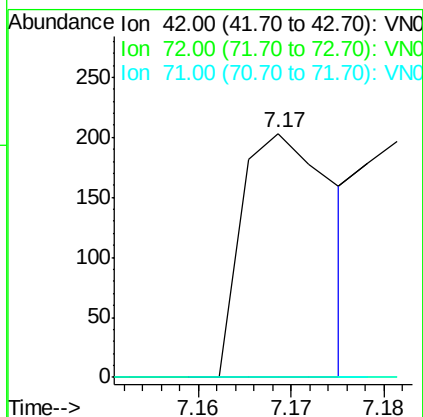
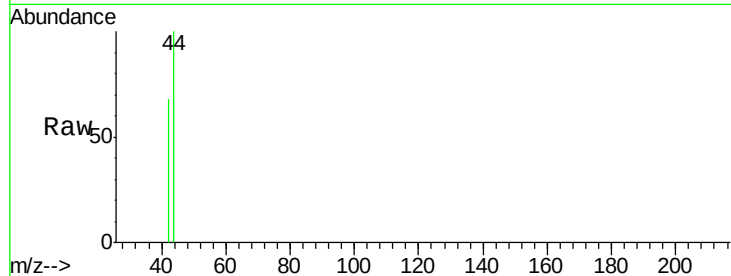




#29  
Tetrahydrofuran  
Concen: 0.204 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

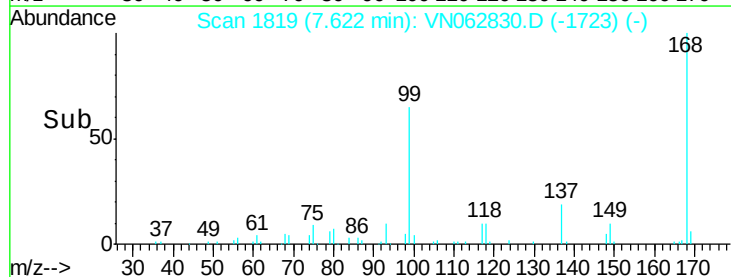
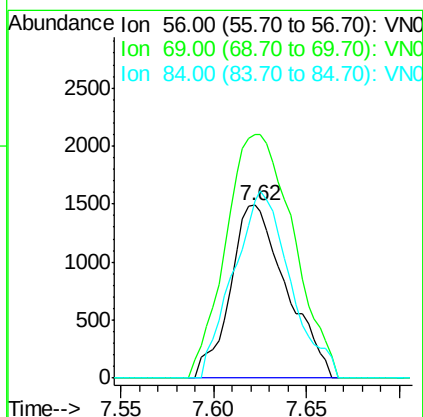
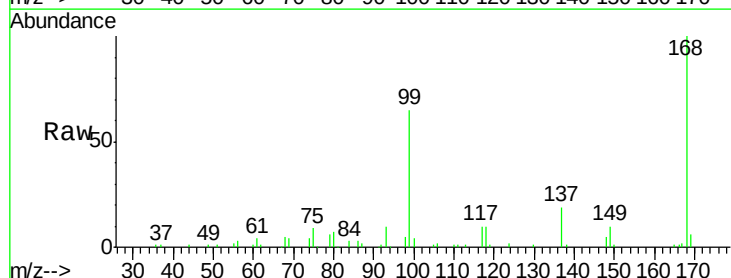
Instrument :  
MSVOA\_N  
ClientSampled :  
SS-TP-4

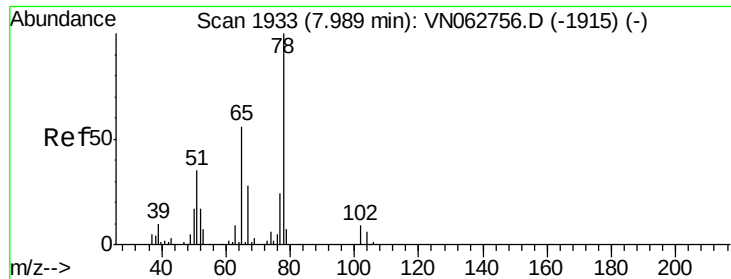
Tgt Ion: 42 Resp: 139  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.0 52.4#  
71 0.0 33.2 49.8#



#31  
Cyclohexane  
Concen: 1.258 ug/l  
RT: 7.62 min Scan# 1819  
Delta R.T. 0.01 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

Tgt Ion: 56 Resp: 3124  
Ion Ratio Lower Upper  
56 100  
69 140.6 28.1 42.1#  
84 102.1 66.8 100.2#

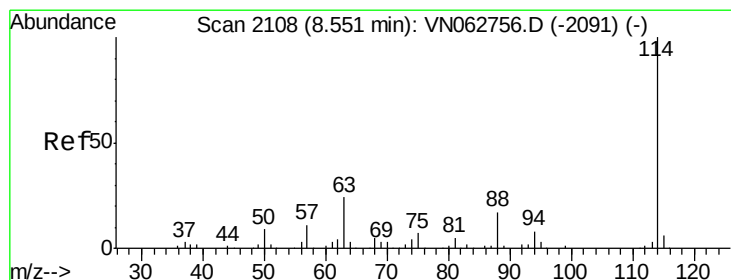
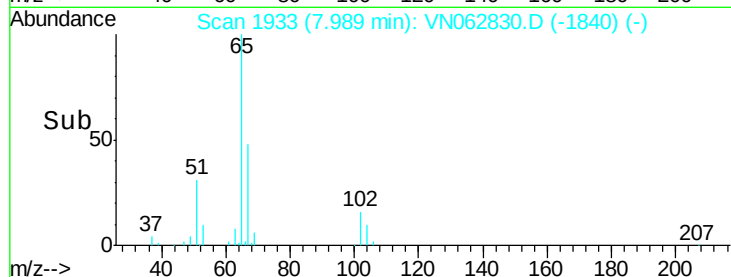
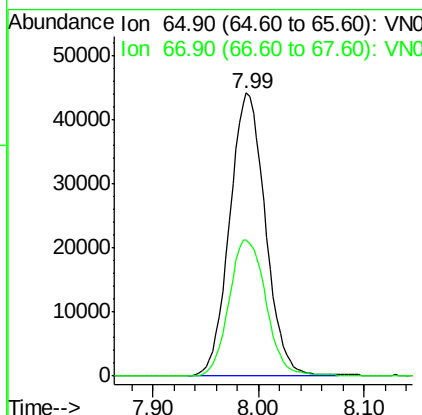
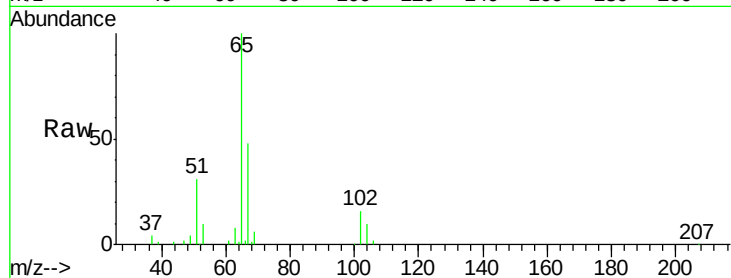




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.700 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

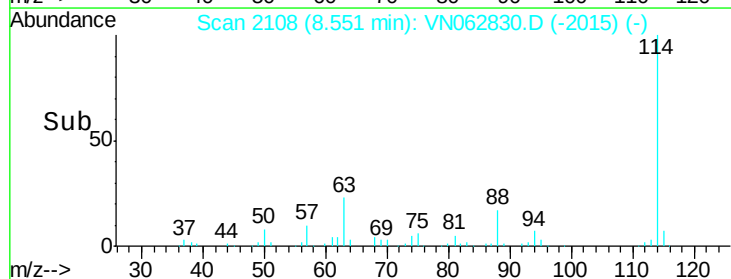
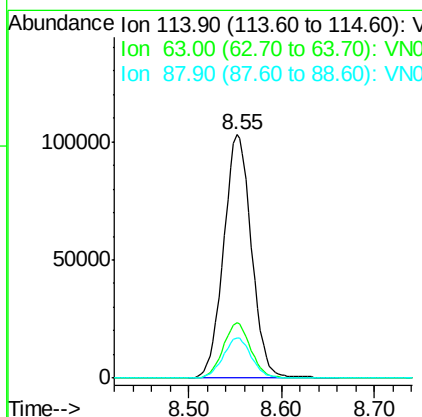
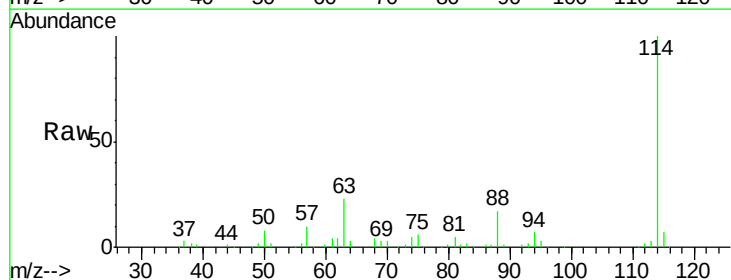
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS-TP-4

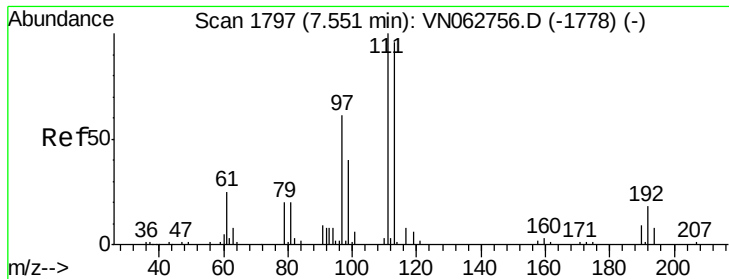
Tgt Ion: 65 Resp: 103878  
 Ion Ratio Lower Upper  
 65 100  
 67 49.5 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

Tgt Ion: 114 Resp: 214684  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 47.6  
 88 16.7 0.0 34.4

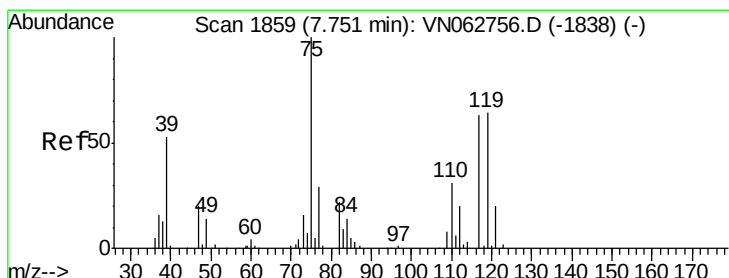
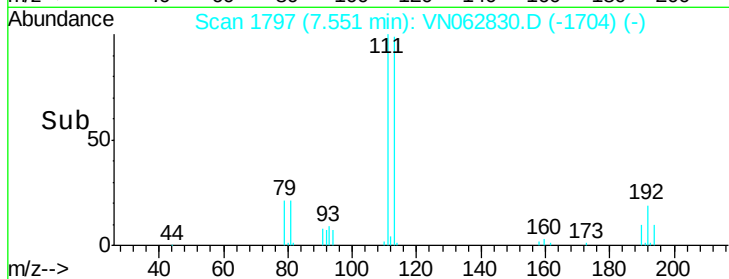
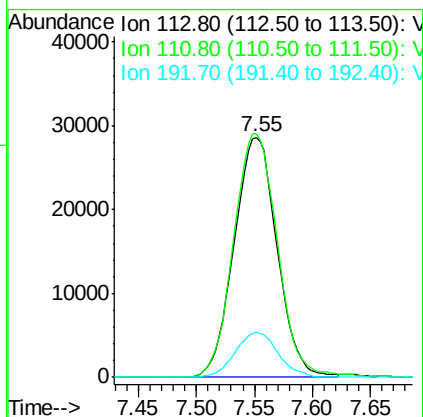
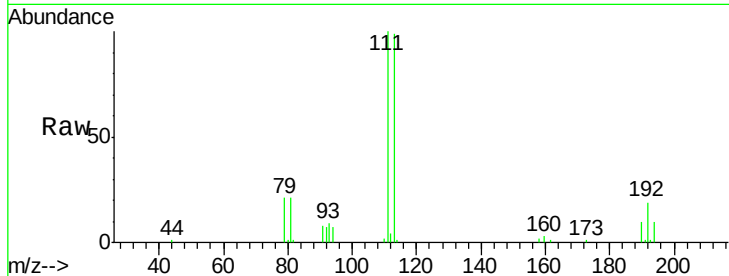




#35  
 Dibromofluoromethane  
 Concen: 50.210 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. -0.00 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

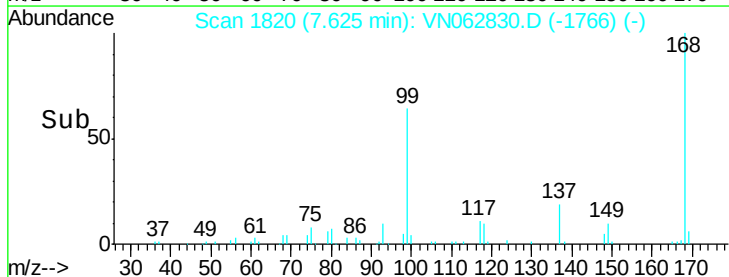
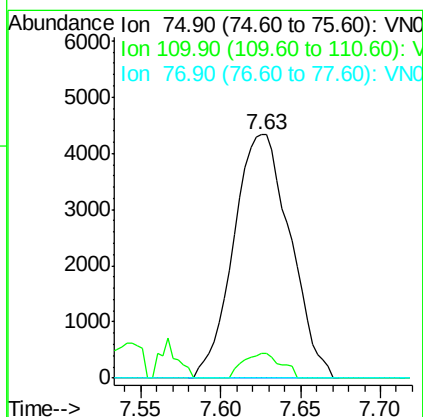
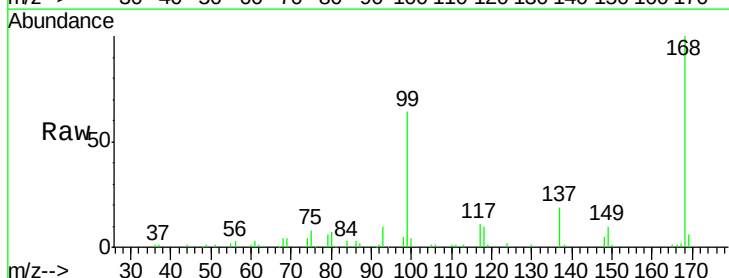
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS-TP-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 81.8  | 122.6 |
| 192     | 18.7  | 15.0  | 22.4  |

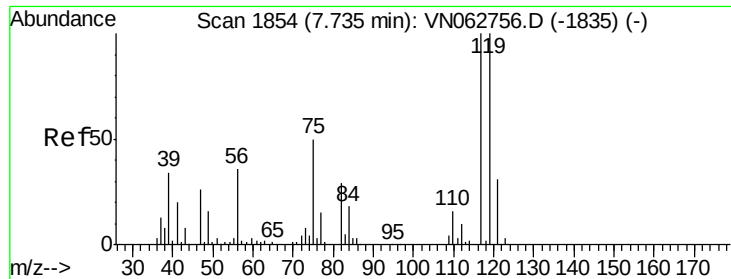


#36  
 1,1-Dichloropropene  
 Concen: 5.018 ug/l  
 RT: 7.63 min Scan# 1820  
 Delta R.T. -0.13 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 6.8   | 15.6  | 46.7# |
| 77      | 0.0   | 24.1  | 36.1# |







#38

Carbon Tetrachloride

Concen: 5.294 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062830.D

Acq: 11 Aug 2020 15:06

Instrument :

MSVOA\_N

ClientSampleId :

SS-TP-4

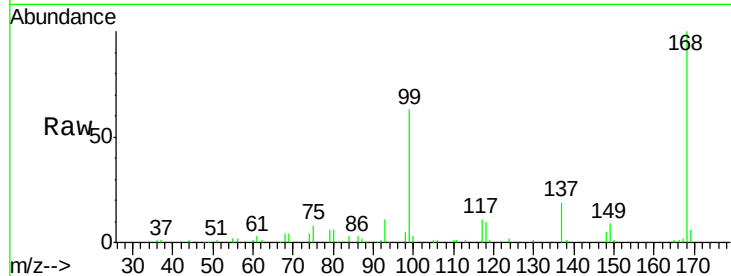
Tgt Ion:117 Resp: 13088

Ion Ratio Lower Upper

117 100

119 7.1 79.4 119.2#

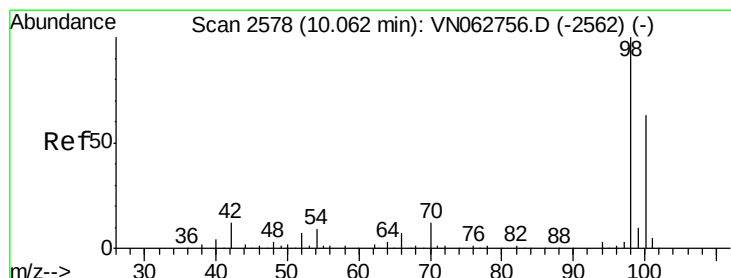
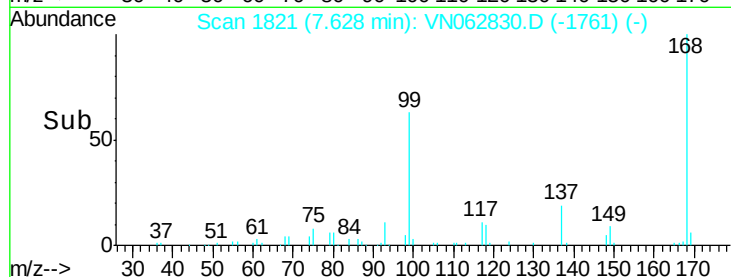
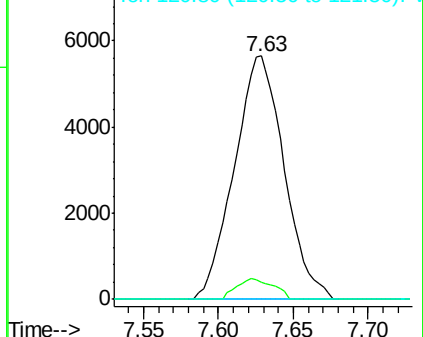
121 0.0 24.9 37.3#



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: 48.673 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062830.D

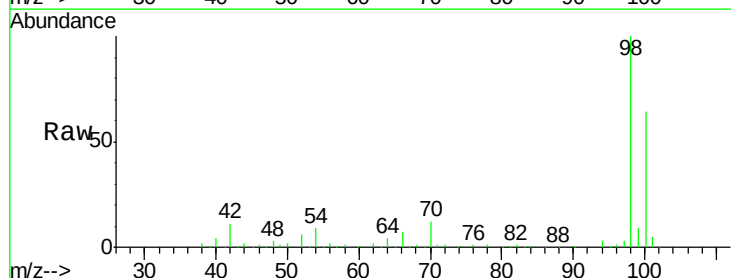
Acq: 11 Aug 2020 15:06

Tgt Ion: 98 Resp: 279059

Ion Ratio Lower Upper

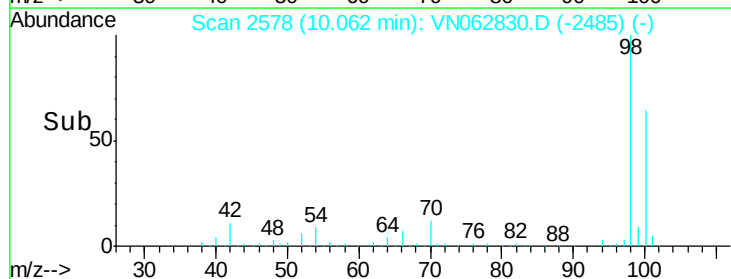
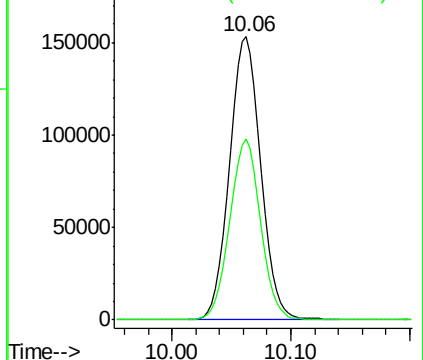
98 100

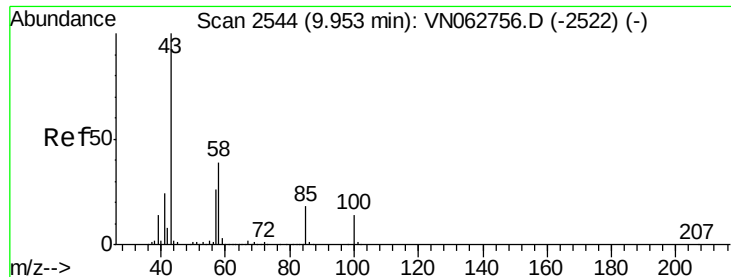
100 62.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

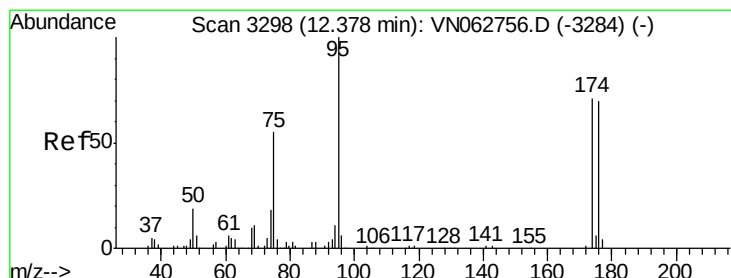
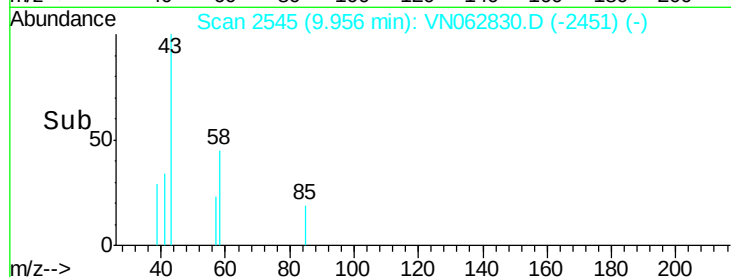
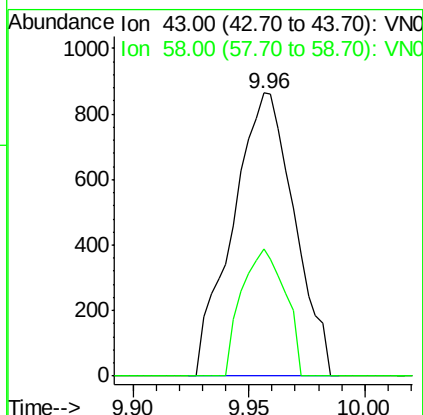
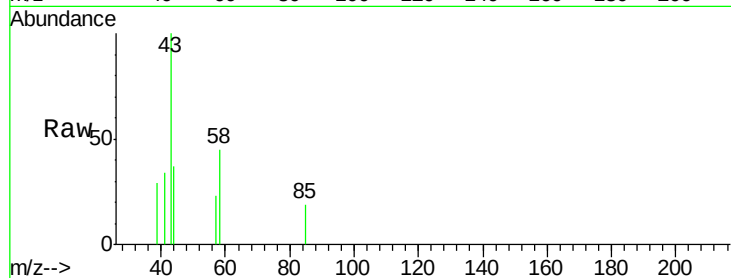




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.676 ug/l  
 RT: 9.96 min Scan# 2545  
 Delta R.T. 0.00 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

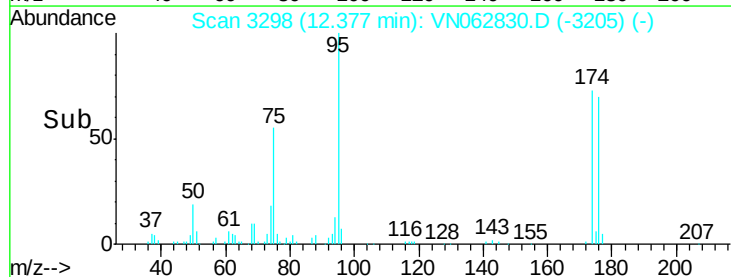
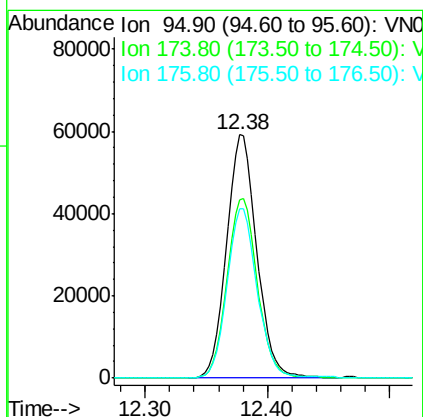
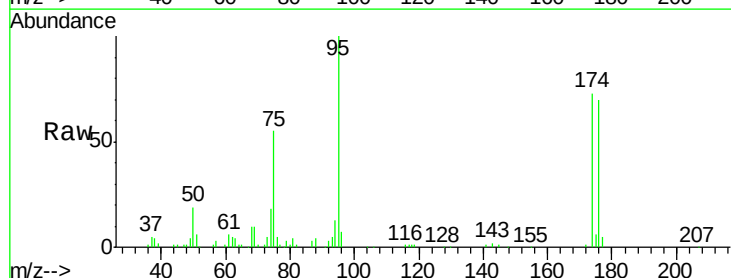
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS-TP-4

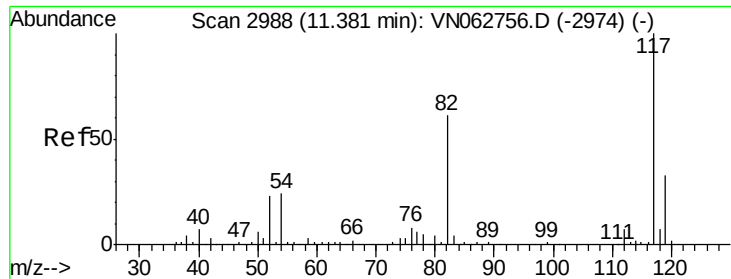
Tgt Ion: 43 Resp: 1594  
 Ion Ratio Lower Upper  
 43 100  
 58 31.6 31.1 46.7



#62  
 4-Bromofluorobenzene  
 Concen: 47.352 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. -0.00 min  
 Lab File: VN062830.D  
 Acq: 11 Aug 2020 15:06

Tgt Ion: 95 Resp: 102594  
 Ion Ratio Lower Upper  
 95 100  
 174 74.2 0.0 144.8  
 176 69.3 0.0 142.2

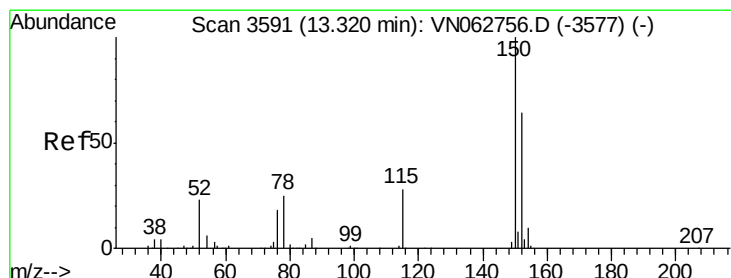
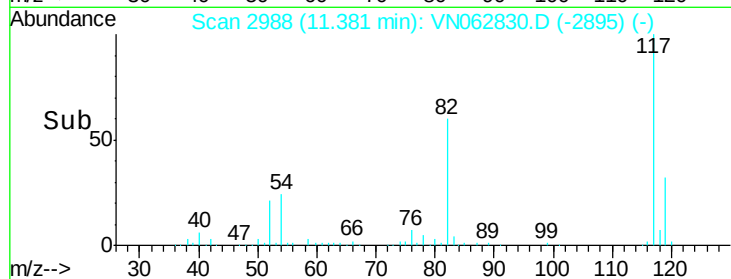
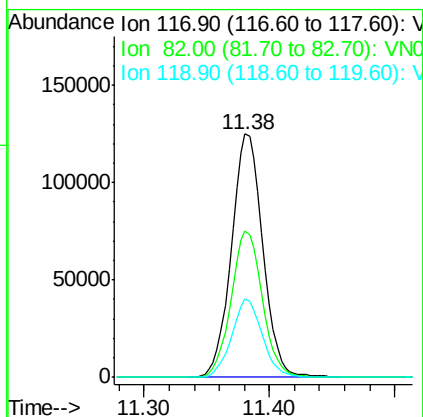
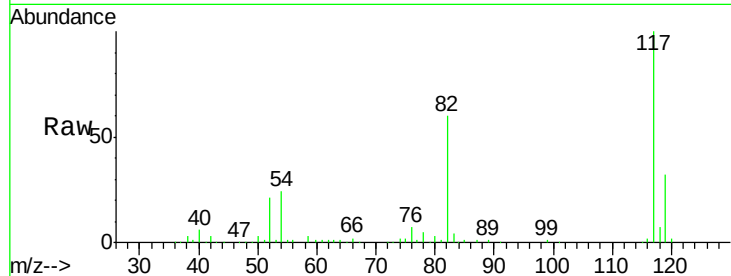




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

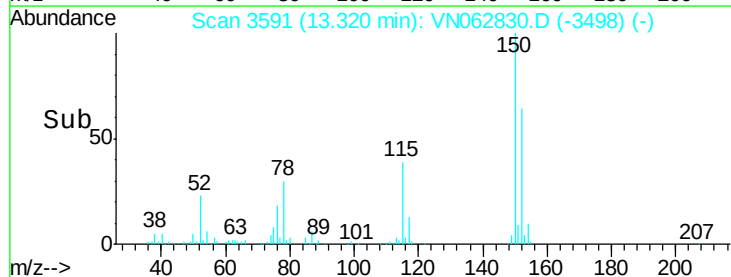
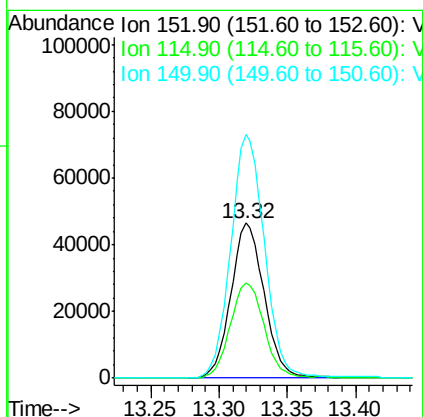
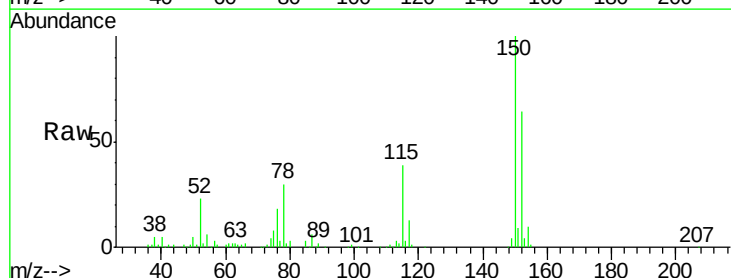
Instrument :  
MSVOA\_N  
ClientSampleId :  
SS-TP-4

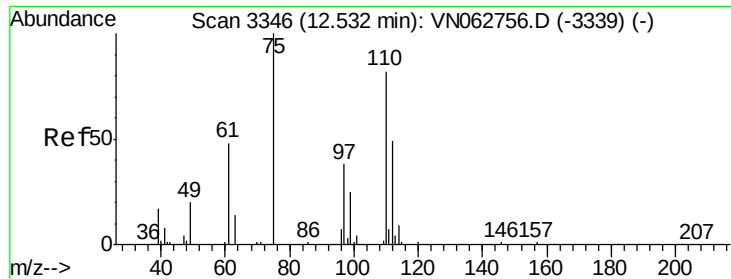
Tgt Ion:117 Resp: 216927  
Ion Ratio Lower Upper  
117 100  
82 59.9 49.0 73.4  
119 32.1 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. -0.00 min  
Lab File: VN062830.D  
Acq: 11 Aug 2020 15:06

Tgt Ion:152 Resp: 78902  
Ion Ratio Lower Upper  
152 100  
115 62.1 31.6 94.8  
150 158.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 26.147 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062830.D

Acq: 11 Aug 2020 15:06

Instrument :

MSVOA\_N

ClientSampleId :

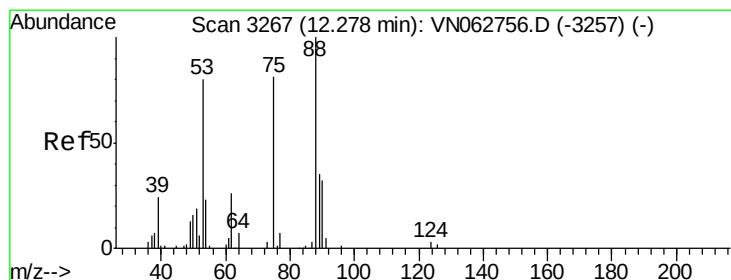
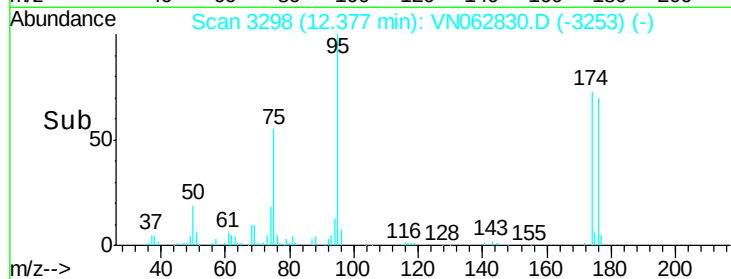
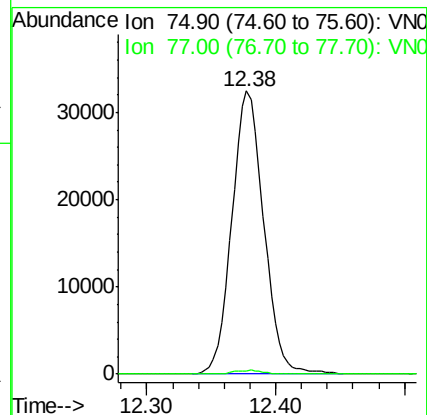
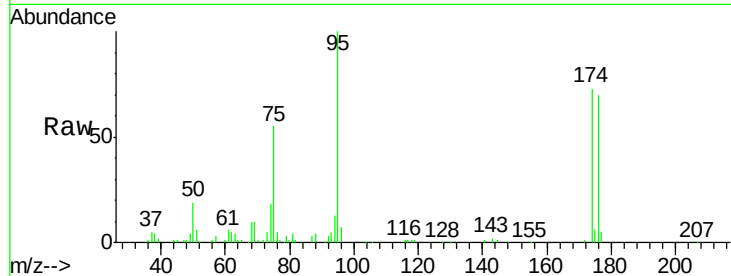
SS-TP-4

Tgt Ion: 75 Resp: 55638

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.819 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062830.D

Acq: 11 Aug 2020 15:06

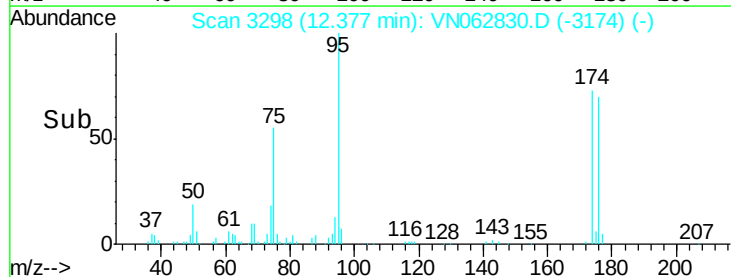
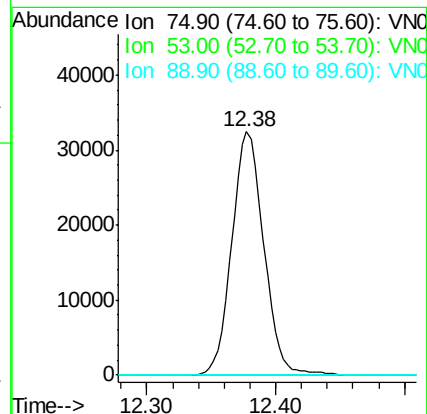
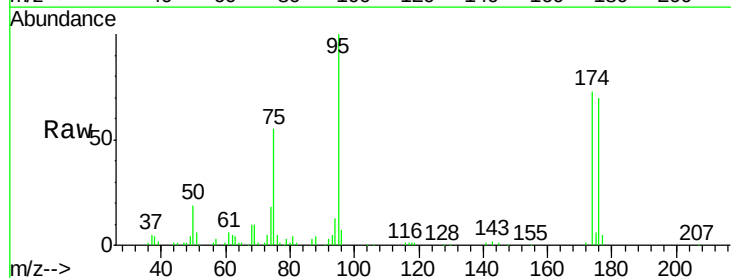
Tgt Ion: 75 Resp: 55638

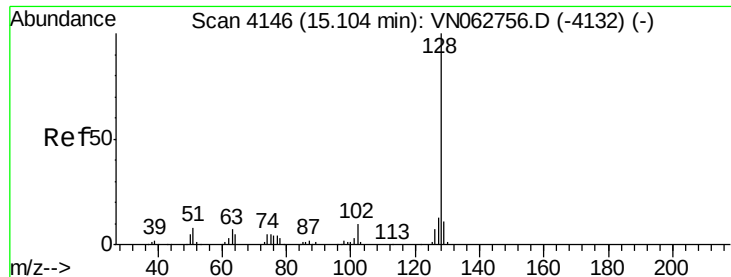
Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.732 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062830.D

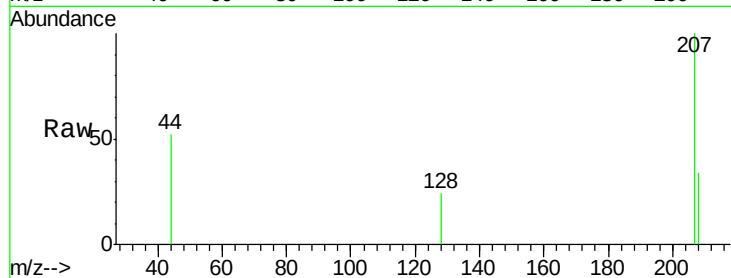
Acq: 11 Aug 2020 15:06

Instrument :

MSVOA\_N

ClientSampleId :

SS-TP-4



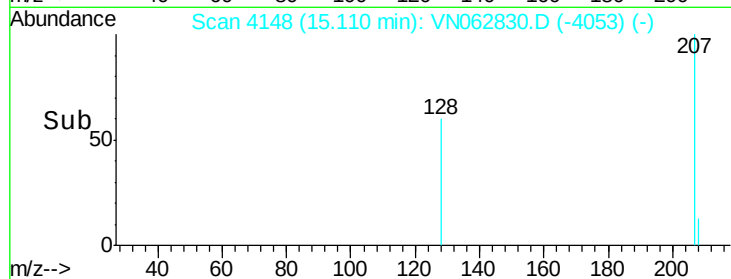
Tgt Ion:128 Resp: 94

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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

