

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\  
 Data File : VN059119.D  
 Acq On : 7 Nov 2019 14:04  
 Operator : JC/SP  
 Sample : PB124579TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB124579TB

Quant Time: Nov 08 01:14:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 446256   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 691840   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 611973   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 205800   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 263956   | 48.12 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.24%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 204888   | 49.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.20%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 814505   | 50.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.12% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 253930   | 43.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.56%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 8) Diethyl Ether               | 3.39  | 74   | 787      | 0.273  | ug/l   | 71     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 358      | 0.342  | ug/l # | 72     |
| 13) Acrolein                   | 3.59  | 56   | 200      | 0.371  | ug/l # | 72     |
| 16) Acetone                    | 3.79  | 43   | 15575    | 5.460  | ug/l   | 100    |
| 17) Carbon Disulfide           | 4.03  | 76   | 3990     | 0.309  | ug/l # | 88     |
| 18) Methyl Acetate             | 4.30  | 43   | 4832     | 0.714  | ug/l # | 82     |
| 20) Methylene Chloride         | 4.52  | 84   | 10019    | 2.016  | ug/l   | 95     |
| 25) 2-Butanone                 | 6.82  | 43   | 3751     | 0.998  | ug/l # | 81     |
| 29) Tetrahydrofuran            | 7.20  | 42   | 1426     | 0.597  | ug/l # | 56     |
| 31) Cyclohexane                | 7.64  | 56   | 9612     | 1.126  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 34383    | 5.317  | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.82  | 43   | 3751     | 0.521  | ug/l # | 71     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 41180    | 6.398  | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.15  | 43   | 107033   | 9.332  | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 2273     | 0.430  | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.17  | 41   | 6473     | 1.262  | ug/l # | 14     |
| 49) 1,4-Dioxane                | 9.18  | 88   | 103      | 1.130  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 6319     | 0.974  | ug/l   | 89     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75   | 43471    | 5.315  | ug/l # | 63     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1756     | 2.088  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 8135     | 1.001  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 115963   | 23.281 | ug/l # | 53     |
| 74) N-ethyl acetate            | 12.03 | 43   | 3358     | 0.529  | ug/l # | 47     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 125041   | 26.687 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 3469     | 0.273  | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 125041   | 70.489 | ug/l # | 13     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1806     | 0.280  | ug/l   | 97     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 1806     | 0.280  | ug/l   | 97     |
| 89) n-Butylbenzene             | 13.62 | 91   | 2509     | 0.228  | ug/l   | 92     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1752     | 0.277  | ug/l   | 97     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 778      | 0.791  | ug/l # | 39     |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 3078     | 3.798  | ug/l   | 91     |
| 94) Hexachlorobutadiene        | 15.02 | 225  | 579      | 0.265  | ug/l # | 56     |
| 95) Naphthalene                | 15.13 | 128  | 12276    | 4.126  | ug/l   | 99     |

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Sample : PB124579TB  
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ALS Vial : 14 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
PB124579TB

Quant Time: Nov 08 01:14:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration

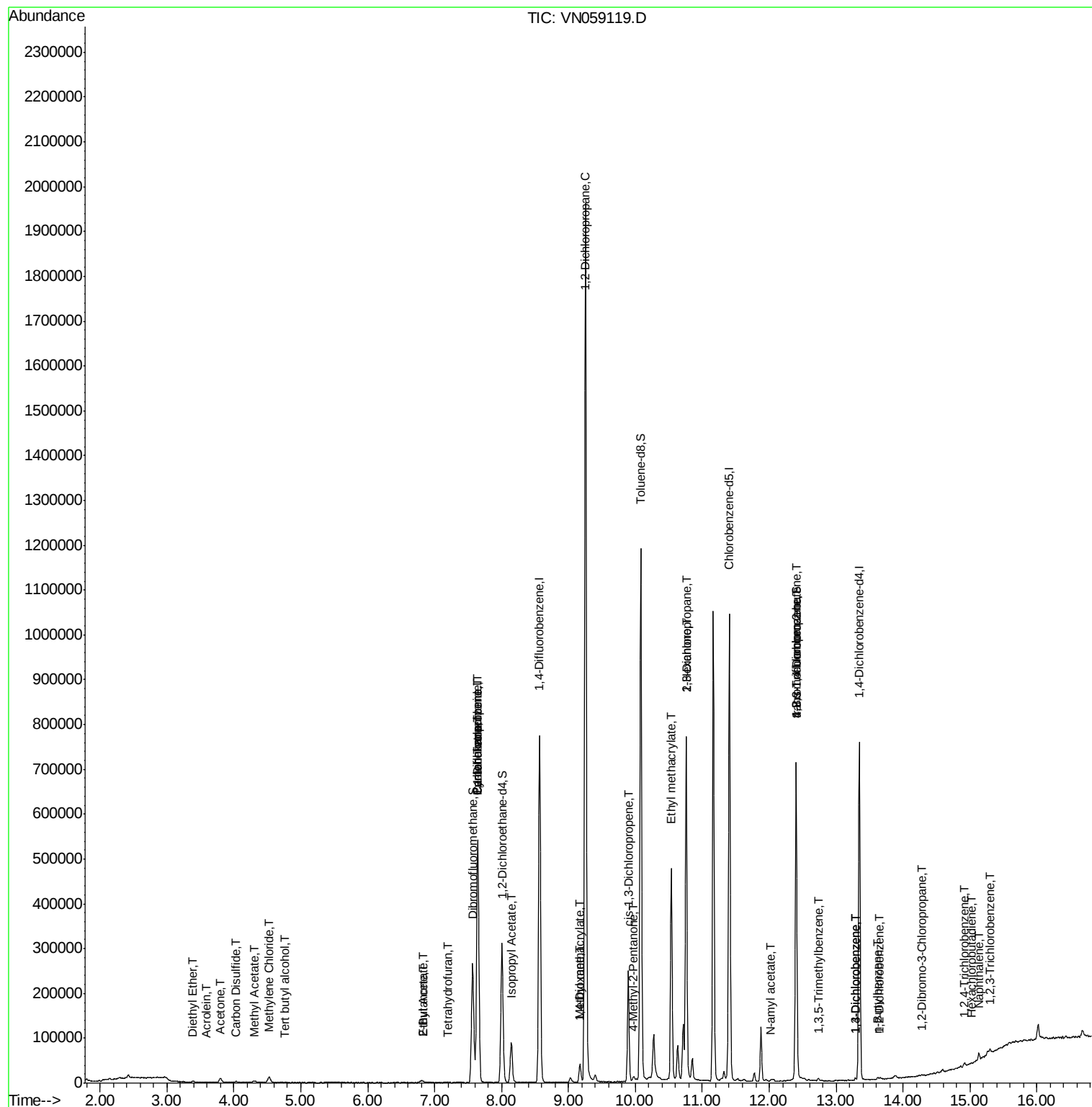
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 3669     | 1.033 | ug/l  | 93       |

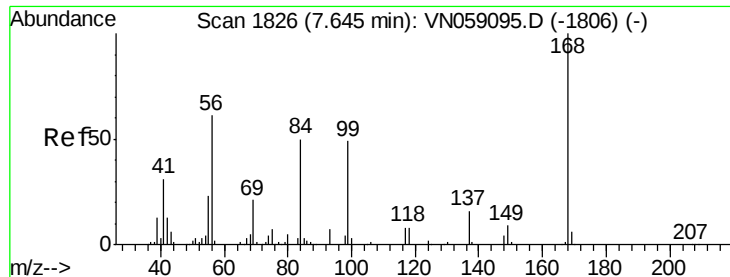
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110719\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

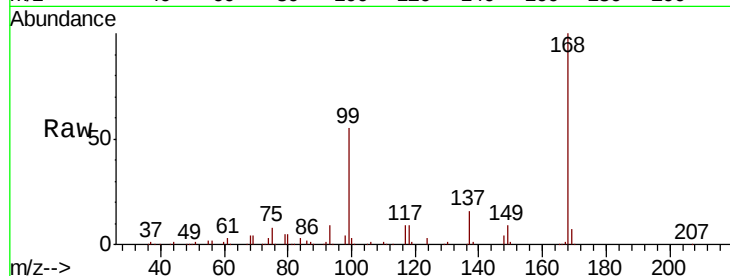
PB124579TB

Tot Ion:168 Resp: 446256

Ion Ratio Lower Upper

168 100

99 55.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059119.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059119.D (-1733) (-)

7.64

200000

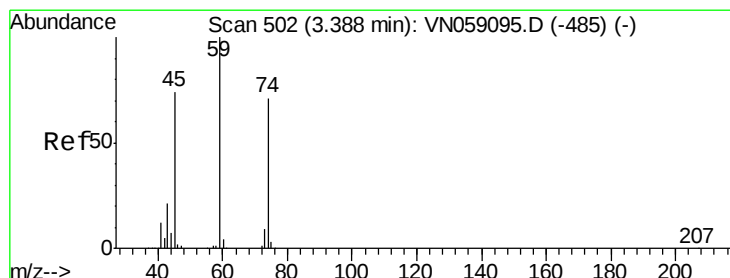
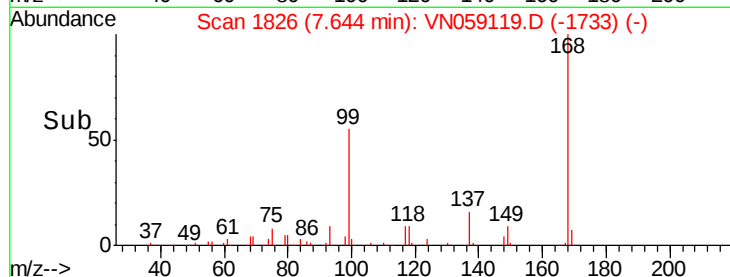
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.273 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059119.D

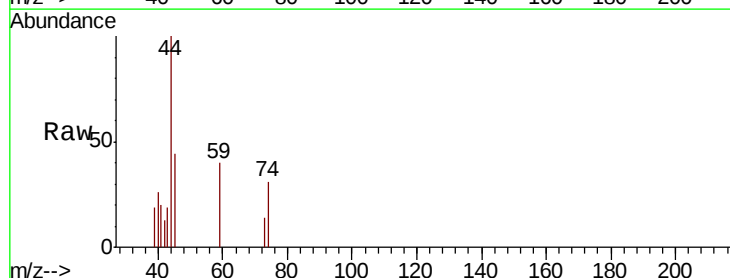
Acq: 7 Nov 2019 14:04

Tgt Ion: 74 Resp: 787

Ion Ratio Lower Upper

74 100

45 132.7 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN059119.D (-409) (-)

Ion 45.00 (44.70 to 45.70): VN059119.D (-409) (-)

3.39

600

500

400

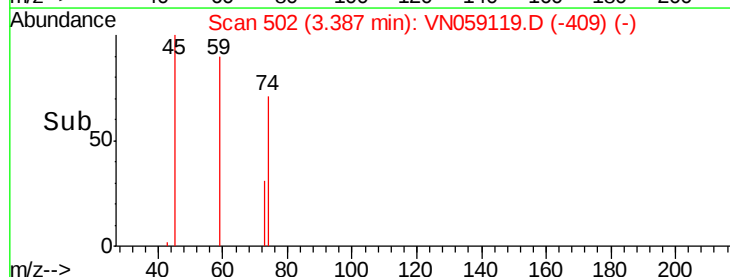
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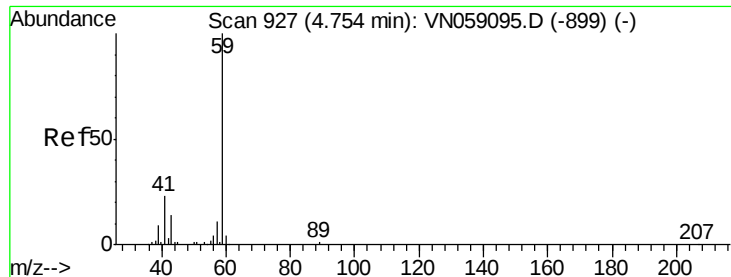
200

100

0

Time-->



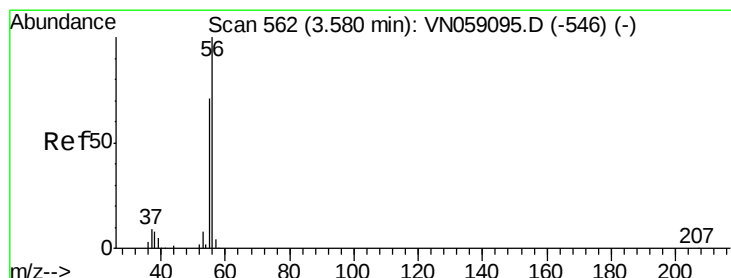
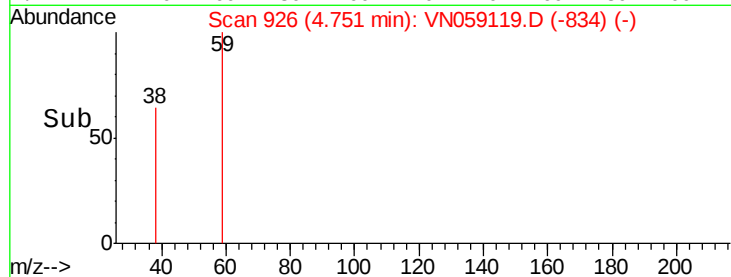
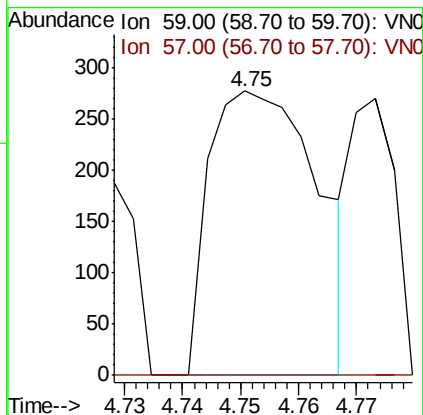
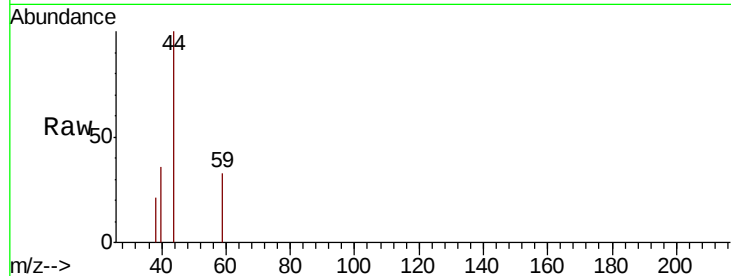


#11

Tert butyl alcohol  
 Concen: 0.342 ug/l  
 RT: 4.75 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Instrument :  
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 ClientSampleId :  
 PB124579TB

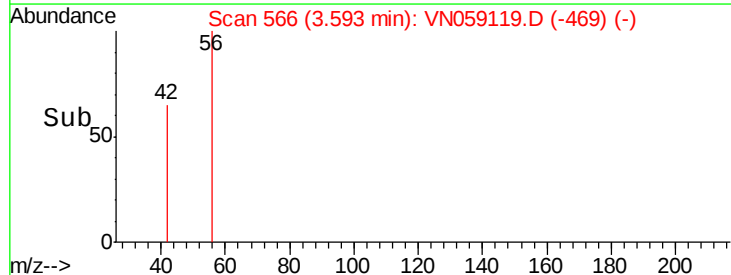
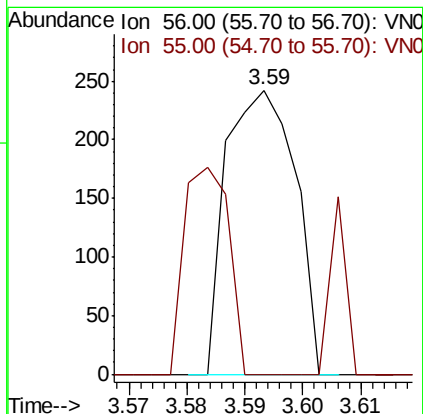
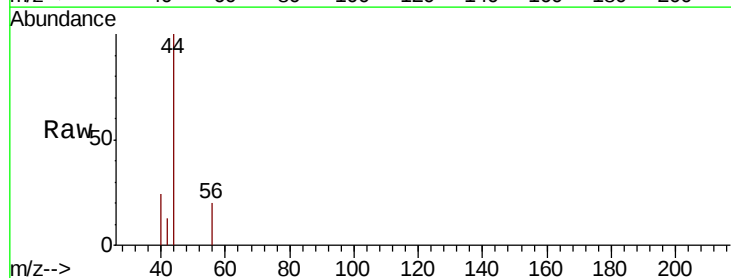
Tot Ion: 59 Resp: 358  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.3 12.5#

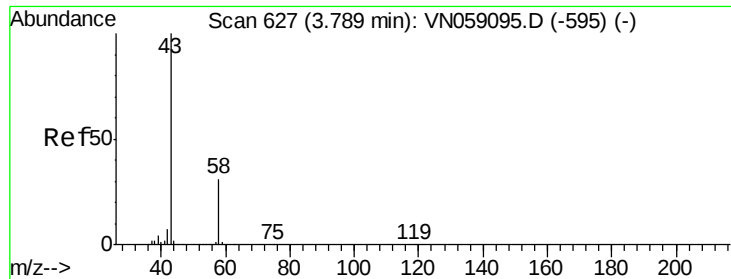


#13

Acrolein  
 Concen: 0.371 ug/l  
 RT: 3.59 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Tgt Ion: 56 Resp: 200  
 Ion Ratio Lower Upper  
 56 100  
 55 47.5 56.4 84.6#

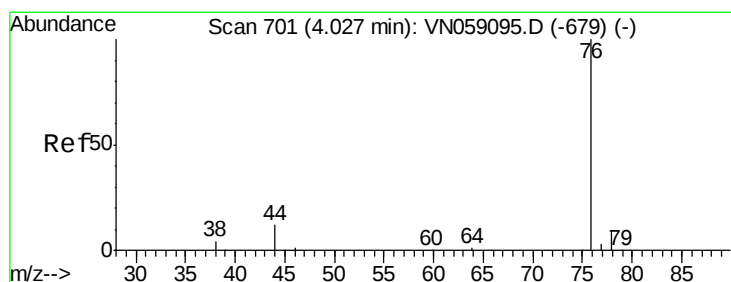
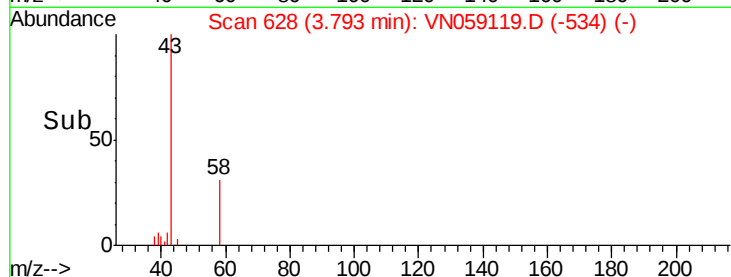
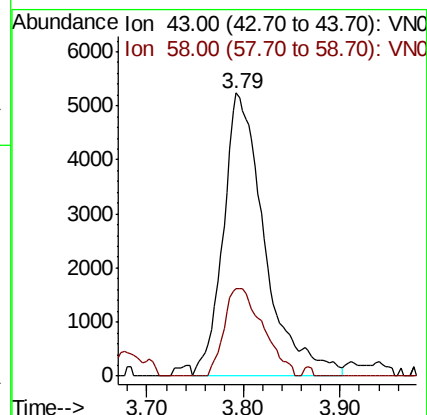
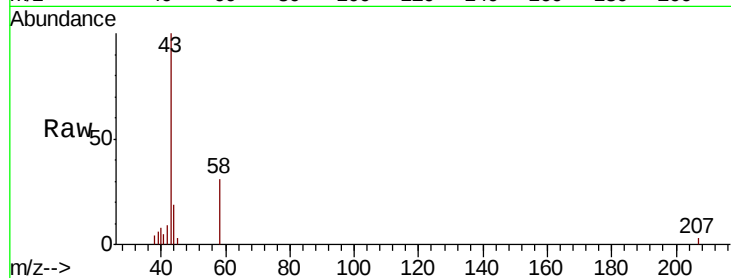




#16  
Acetone  
Concen: 5.460 ug/l  
RT: 3.79 min Scan# 628  
Delta R.T. 0.00 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

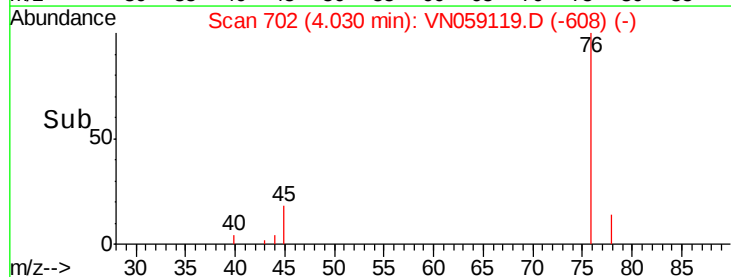
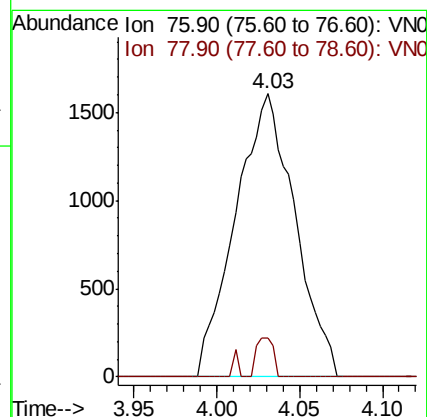
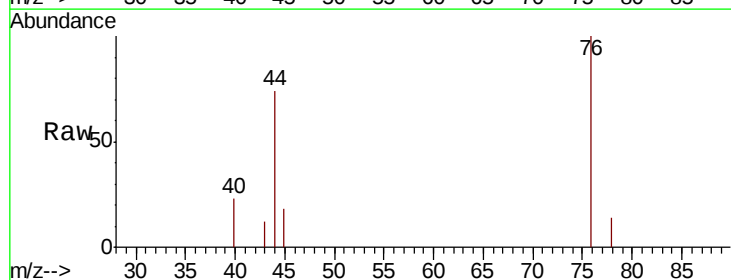
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB124579TB

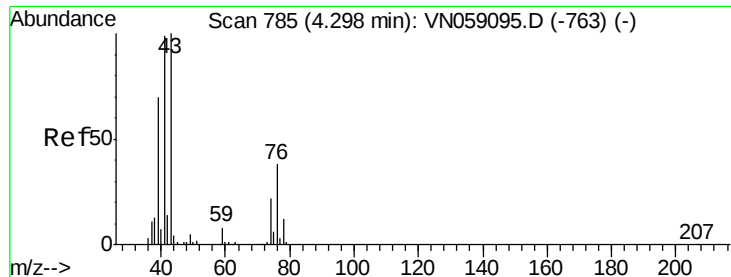
Tot Ion: 43 Resp: 15575  
Ion Ratio Lower Upper  
43 100  
58 31.0 24.9 37.3



#17  
Carbon Disulfide  
Concen: 0.309 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

Tgt Ion: 76 Resp: 3990  
Ion Ratio Lower Upper  
76 100  
78 13.6 7.4 11.0#

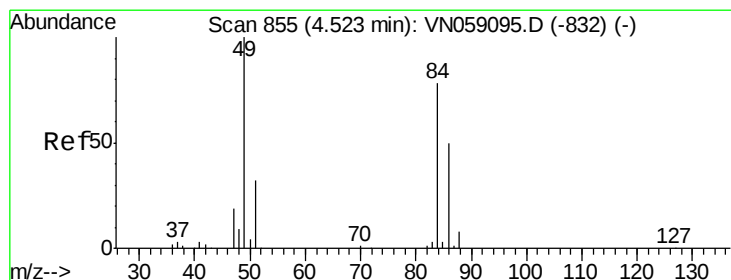
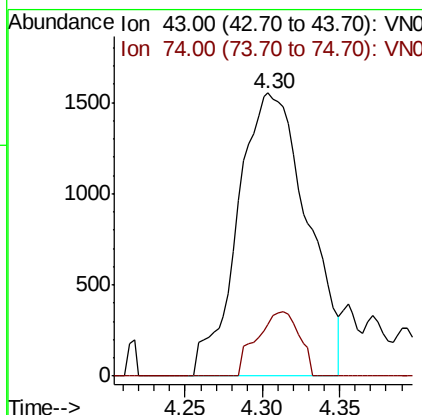
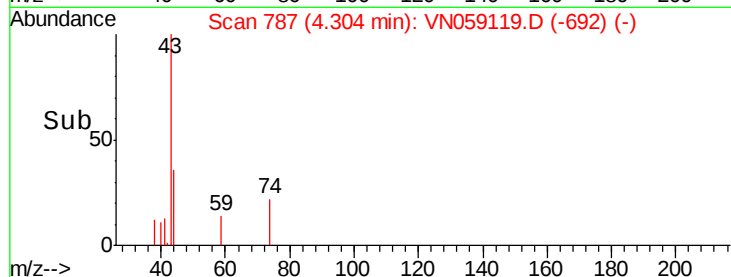
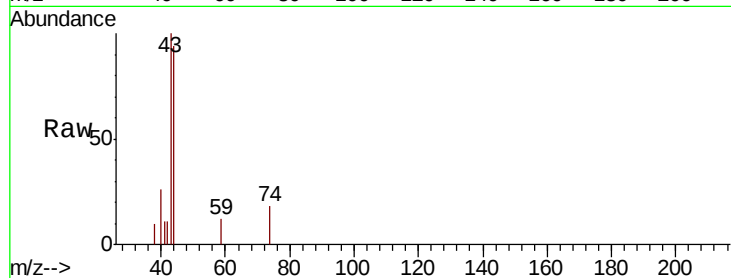




#18  
Methyl Acetate  
Concen: 0.714 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.01 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

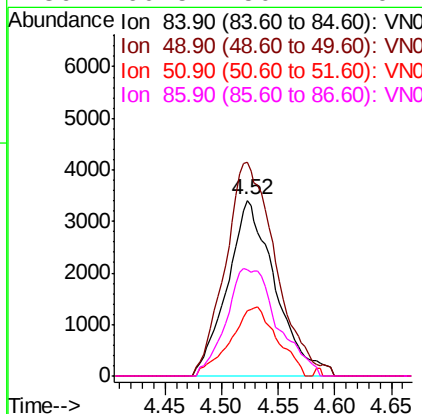
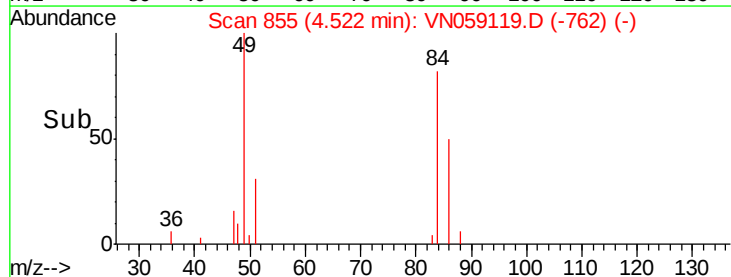
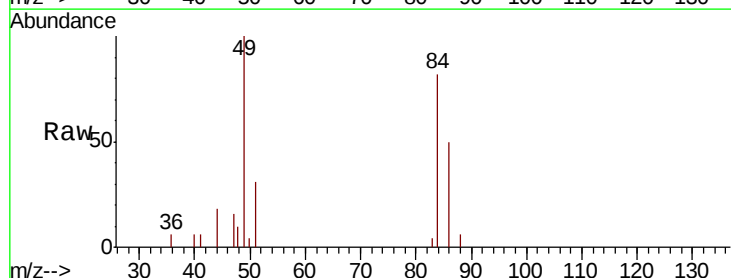
Instrument :  
MSVOA\_N  
ClientSampled :  
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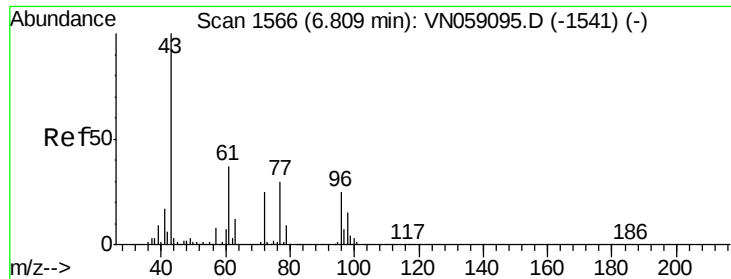
Tot Ion: 43 Resp: 4832  
Ion Ratio Lower Upper  
43 100  
74 13.9 17.8 26.8#



#20  
Methylene Chloride  
Concen: 2.016 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

Tgt Ion: 84 Resp: 10019  
Ion Ratio Lower Upper  
84 100  
49 121.5 102.0 153.0  
51 37.3 32.2 48.2  
86 60.5 50.7 76.1

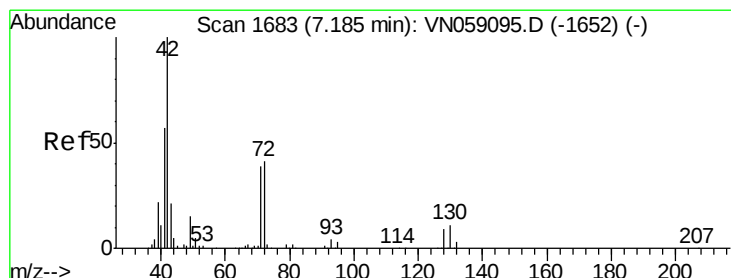
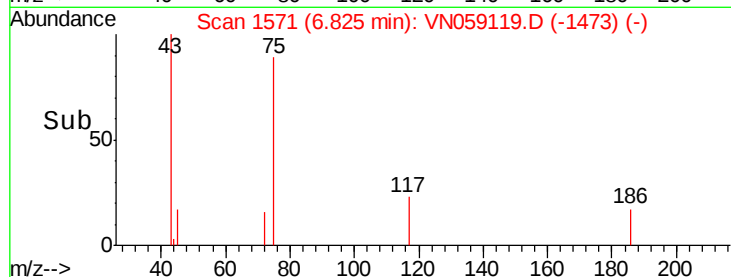
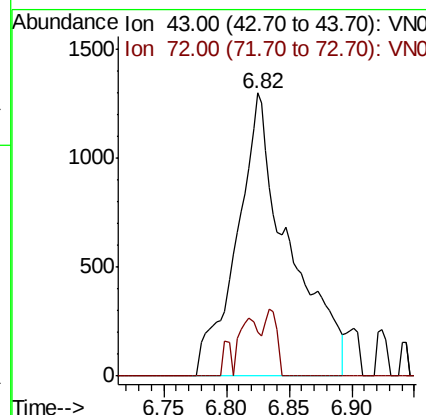
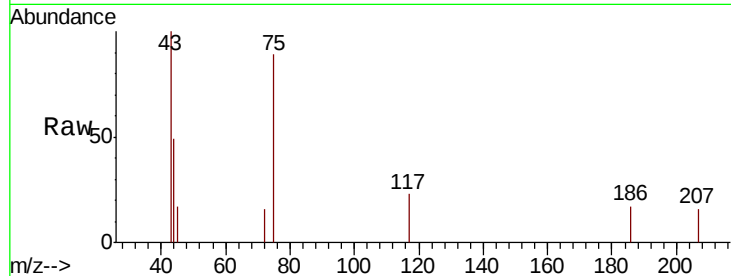




#25  
2-Butanone  
Concen: 0.998 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. 0.02 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

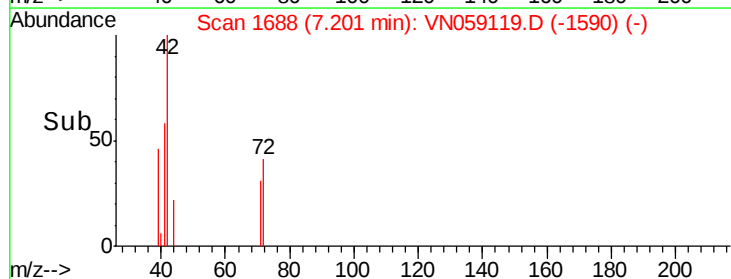
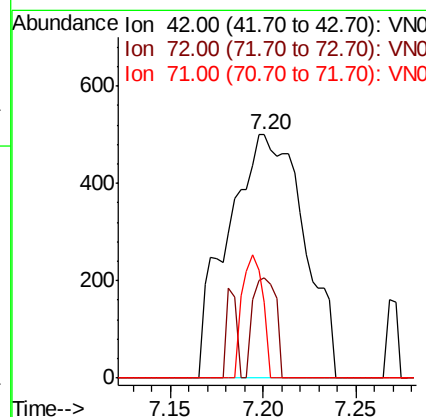
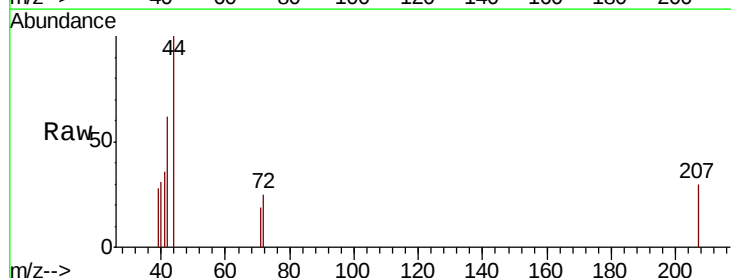
Instrument :  
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PB124579TB

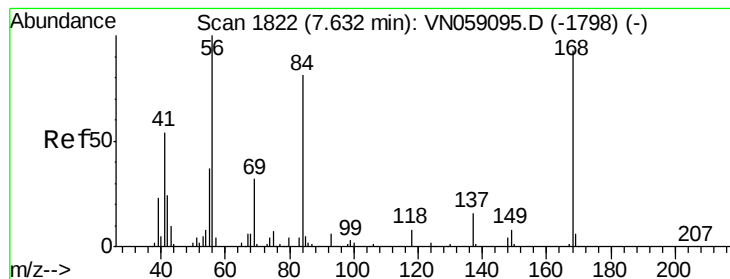
Tot Ion: 43 Resp: 3751  
Ion Ratio Lower Upper  
43 100  
72 15.6 20.3 30.5#



#29  
Tetrahydrofuran  
Concen: 0.597 ug/l  
RT: 7.20 min Scan# 1688  
Delta R.T. 0.02 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

Tgt Ion: 42 Resp: 1426  
Ion Ratio Lower Upper  
42 100  
72 12.6 33.1 49.7#  
71 13.7 30.9 46.3#





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

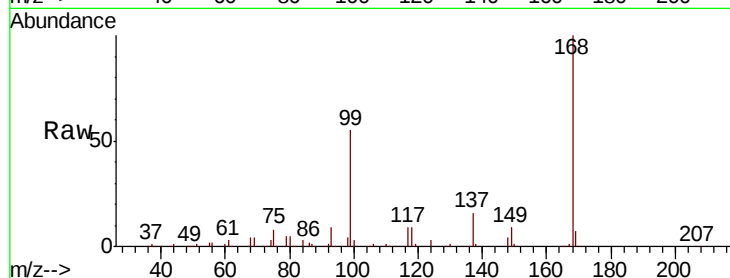
Tot Ion: 56 Resp: 9612

Ion Ratio Lower Upper

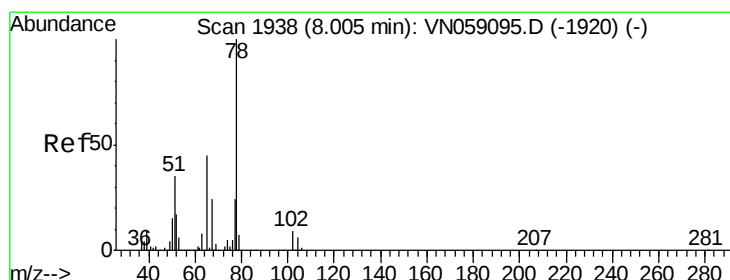
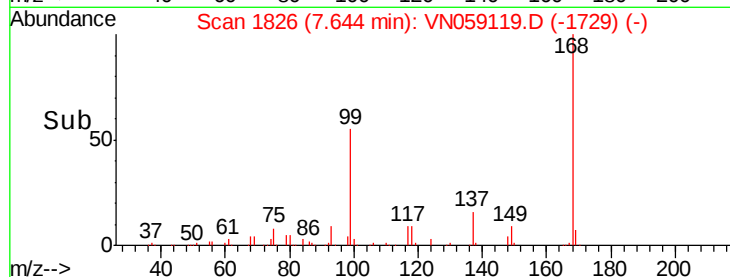
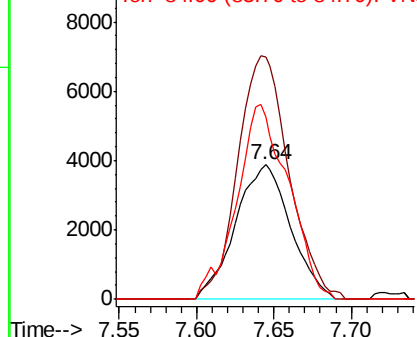
56 100

69 179.4 25.8 38.8#

84 135.6 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 48.118 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059119.D

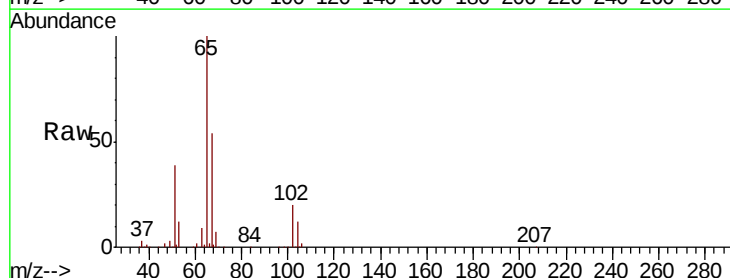
Acq: 7 Nov 2019 14:04

Tgt Ion: 65 Resp: 263956

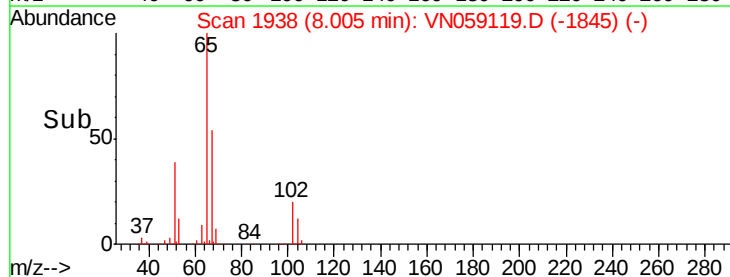
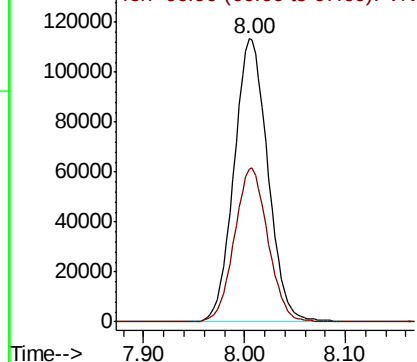
Ion Ratio Lower Upper

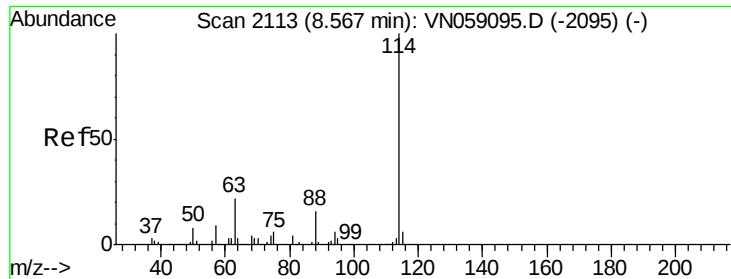
65 100

67 53.9 0.0 107.4



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

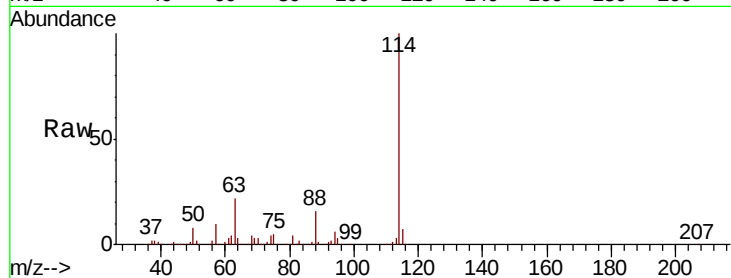




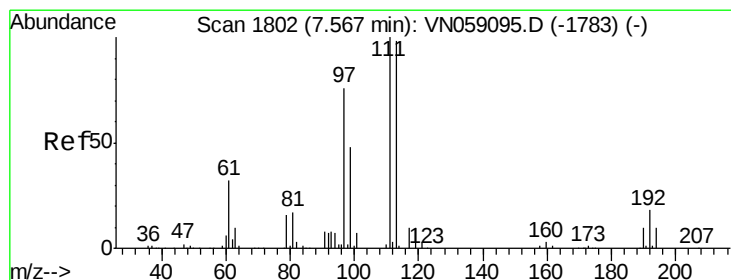
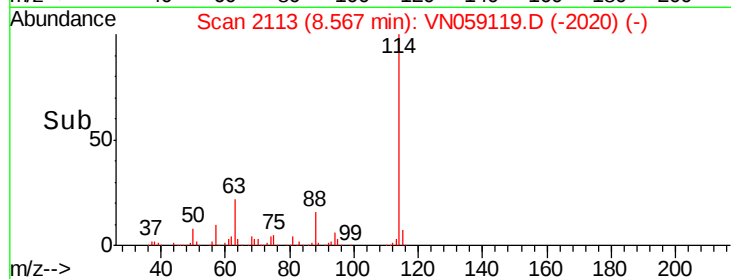
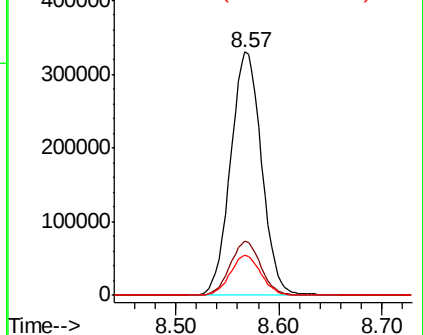
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB124579TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.0  | 0.0   | 43.4  |
| 88      | 16.4  | 0.0   | 32.2  |

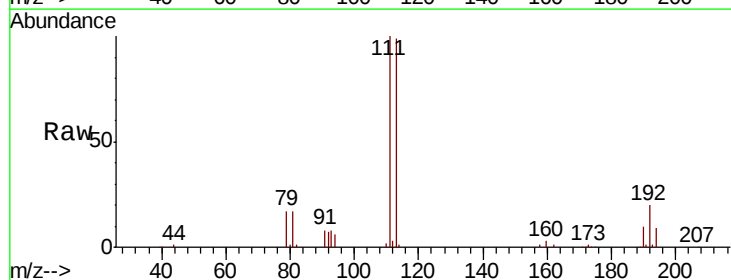


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

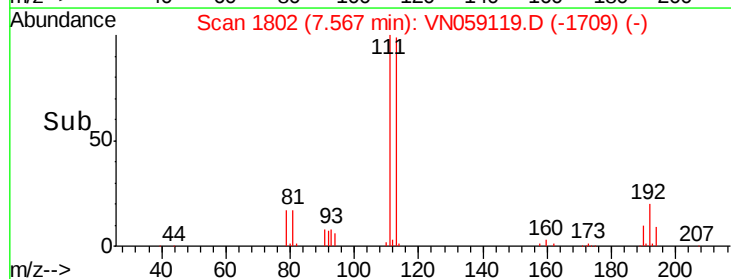
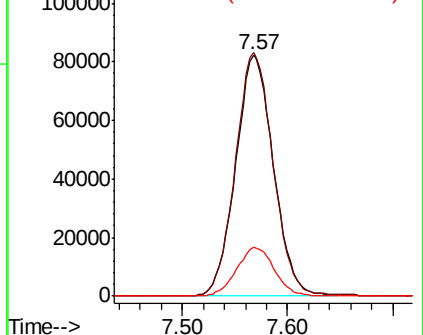


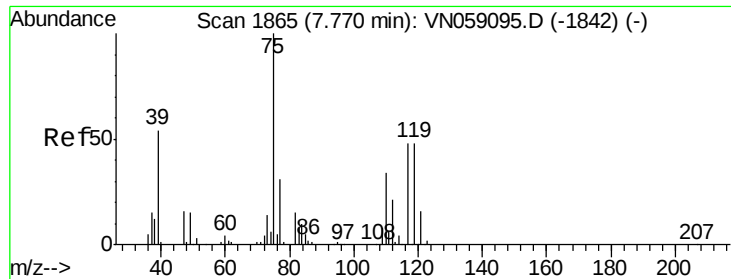
#35  
 Dibromofluoromethane  
 Concen: 49.598 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 82.8  | 124.2 |
| 192     | 20.1  | 16.1  | 24.1  |



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: 5.317 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

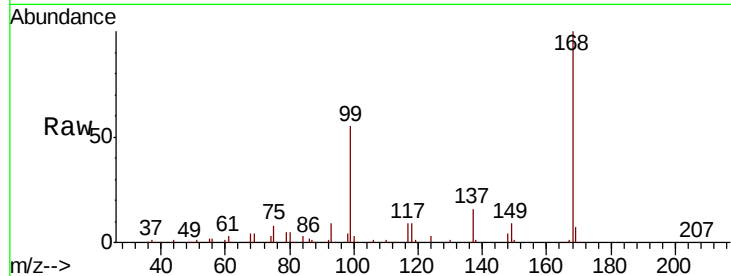
Tot Ion: 75 Resp: 34383

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.0 24.8 37.2#

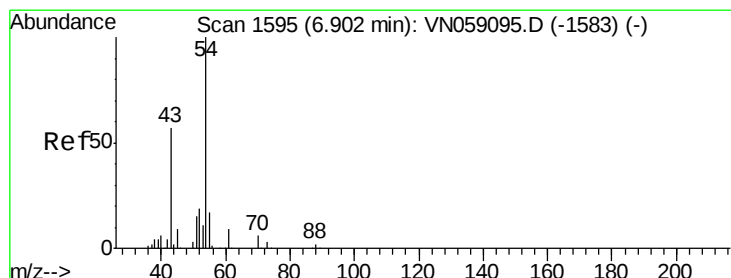
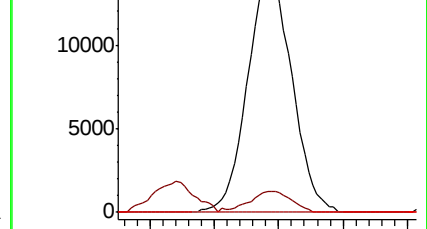
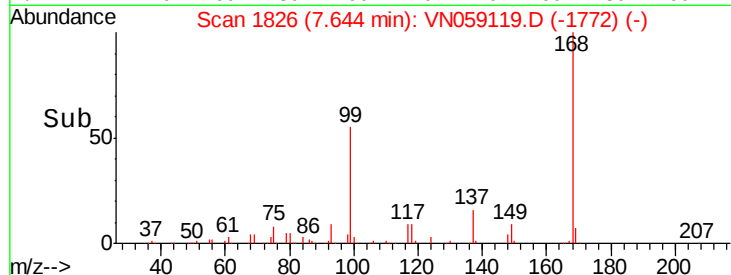


Abundance Ion 74.90 (74.60 to 75.60): VN059119.D (-1842) (-)

Ion 109.90 (109.60 to 110.60): VN059119.D (-1842) (-)

Ion 76.90 (76.60 to 77.60): VN059119.D (-1842) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.521 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.08 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

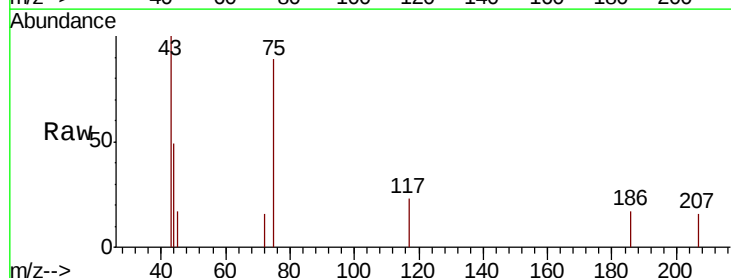
Tgt Ion: 43 Resp: 3751

Ion Ratio Lower Upper

43 100

61 1.7 11.2 16.8#

70 0.0 7.8 11.8#

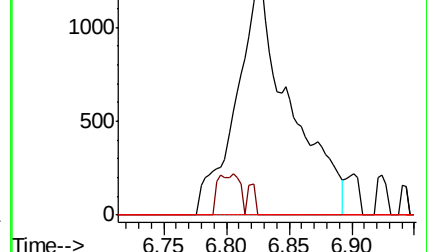
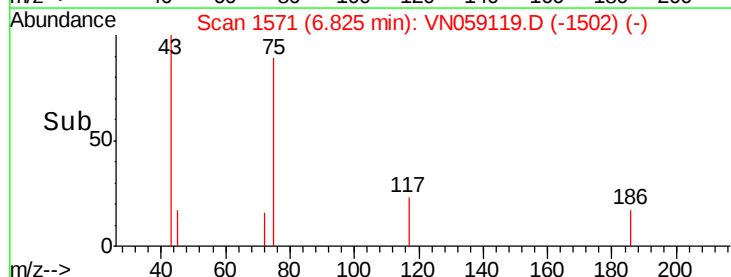


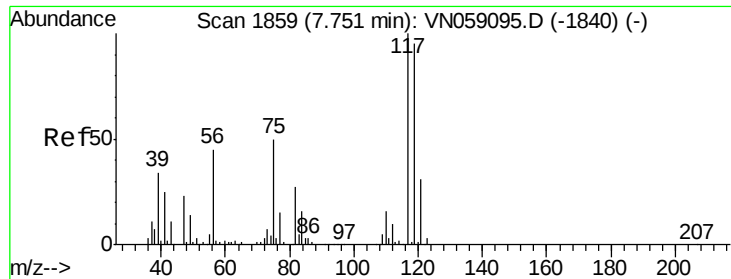
Abundance Ion 43.00 (42.70 to 43.70): VN059119.D (-1502) (-)

Ion 60.90 (60.60 to 61.60): VN059119.D (-1502) (-)

Ion 70.00 (69.70 to 70.70): VN059119.D (-1502) (-)

Time-->

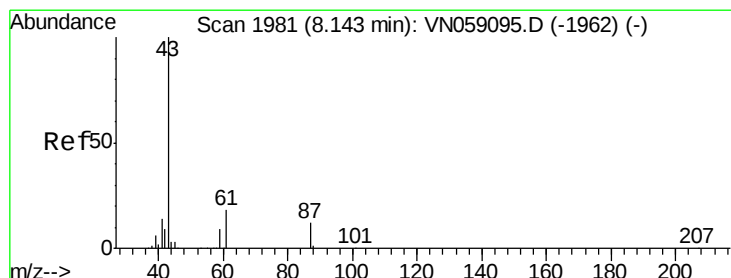
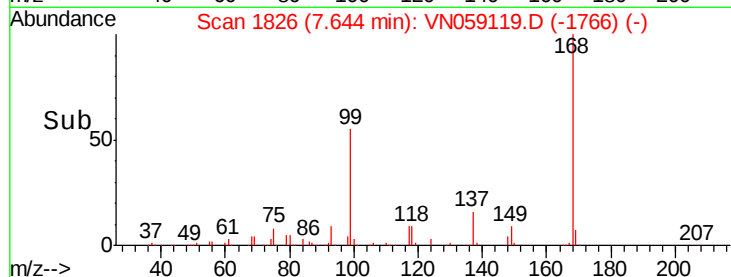
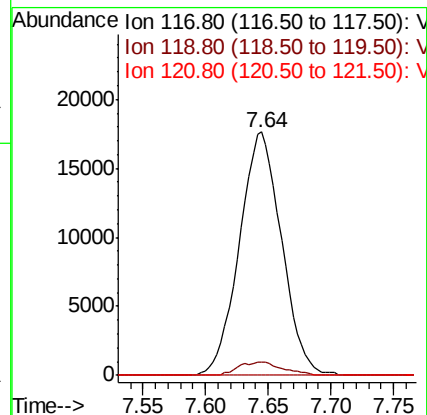
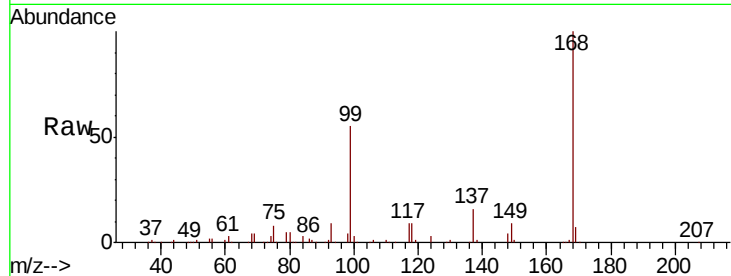




#38  
Carbon Tetrachloride  
Concen: 6.398 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. -0.11 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

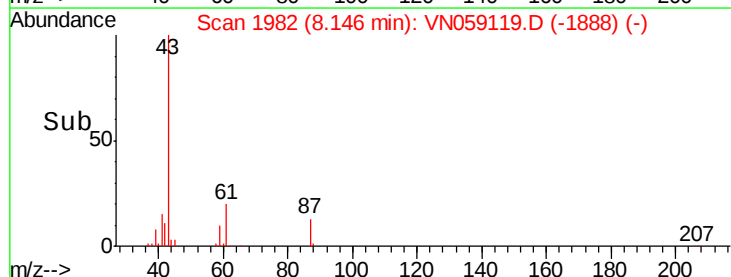
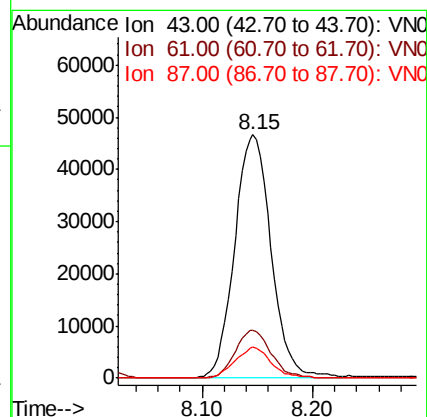
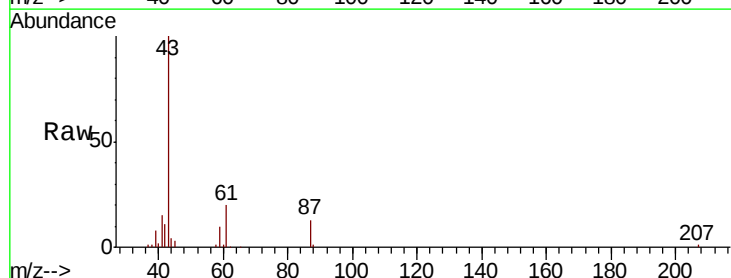
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB124579TB

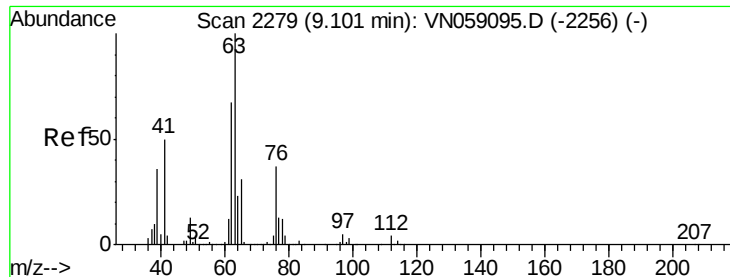
Tot Ion:117 Resp: 41180  
Ion Ratio Lower Upper  
117 100  
119 5.5 75.6 113.4#  
121 0.0 24.6 36.8#



#43  
Isopropyl Acetate  
Concen: 9.332 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

Tgt Ion: 43 Resp: 107033  
Ion Ratio Lower Upper  
43 100  
61 19.4 21.0 31.6#  
87 12.4 9.8 14.6

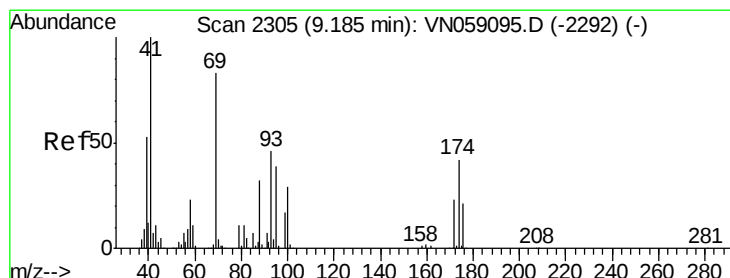
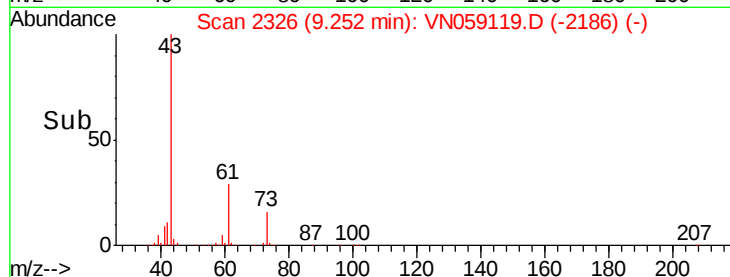
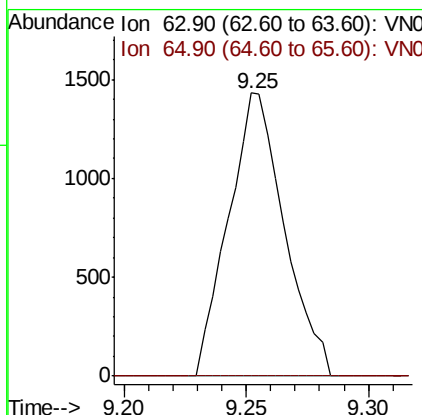
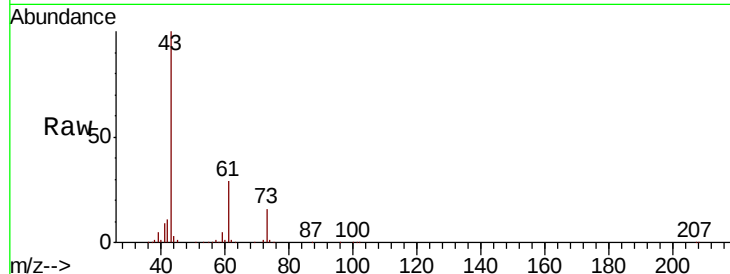




#45  
 1,2-Dichloropropane  
 Concen: 0.430 ug/l  
 RT: 9.25 min Scan# 2326  
 Delta R.T. 0.15 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

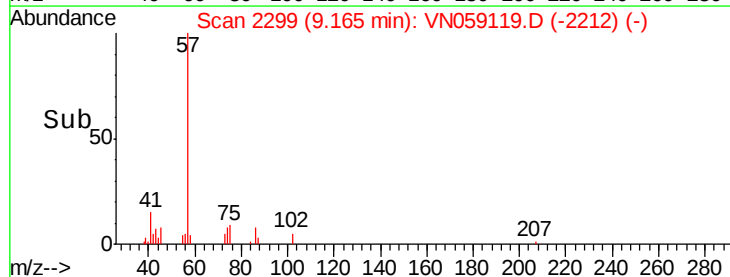
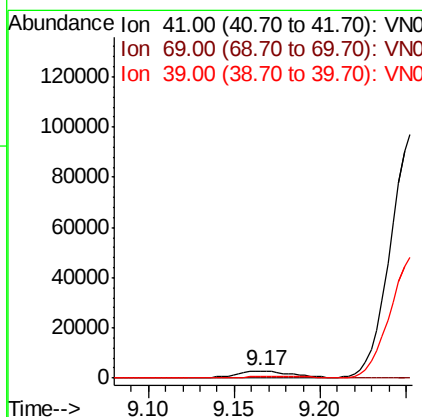
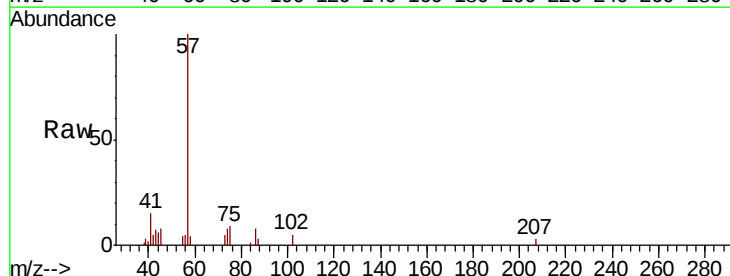
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB124579TB

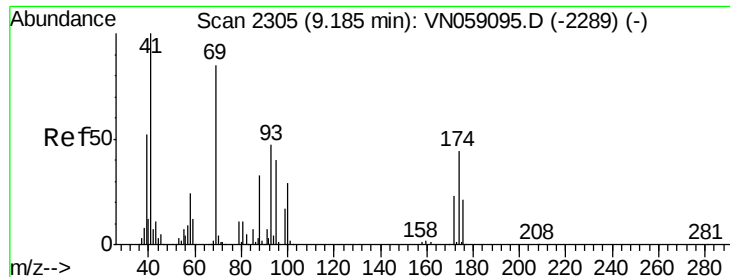
Tot Ion: 63 Resp: 2273  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 24.6 37.0#



#48  
 Methyl methacrylate  
 Concen: 1.262 ug/l  
 RT: 9.17 min Scan# 2299  
 Delta R.T. -0.02 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Tgt Ion: 41 Resp: 6473  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 67.3 100.9#  
 39 0.0 43.3 64.9#

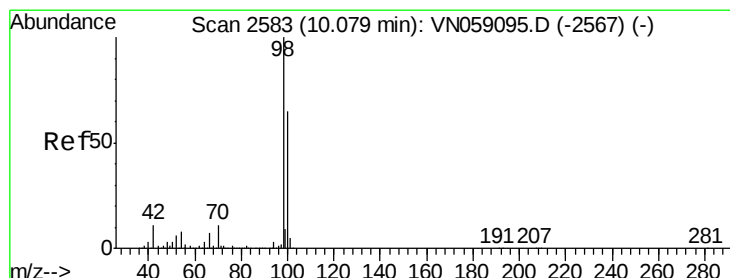
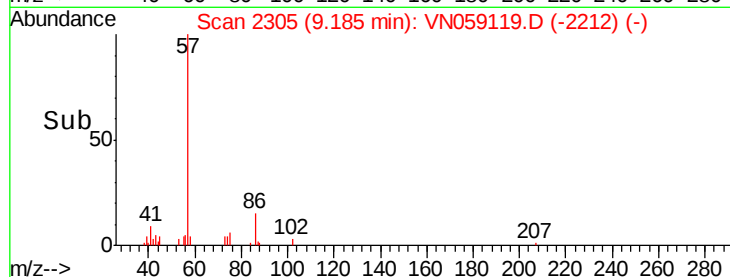
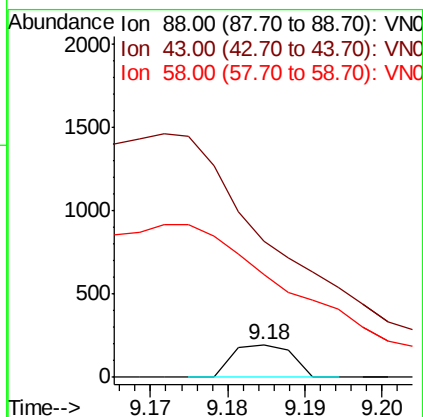
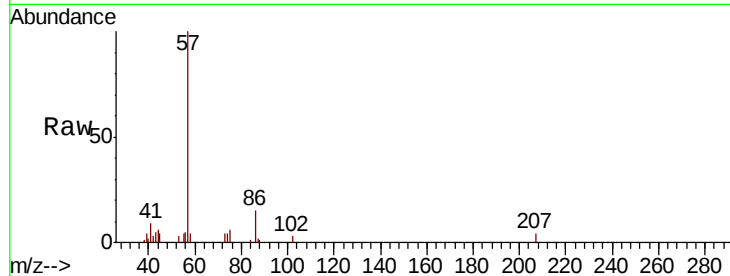




#49  
 1,4-Dioxane  
 Concen: 1.130 ug/l  
 RT: 9.18 min Scan# 2305  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

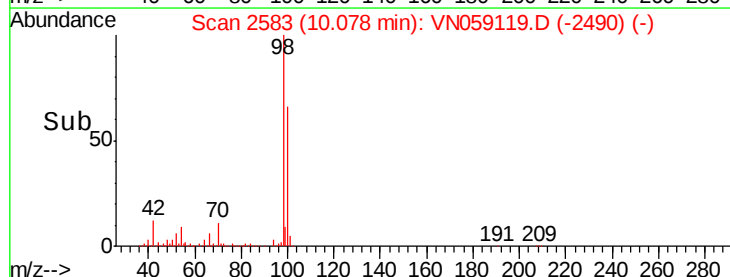
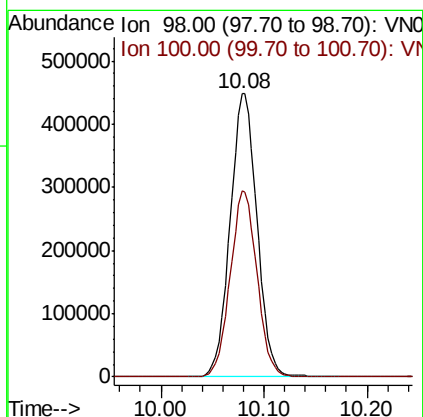
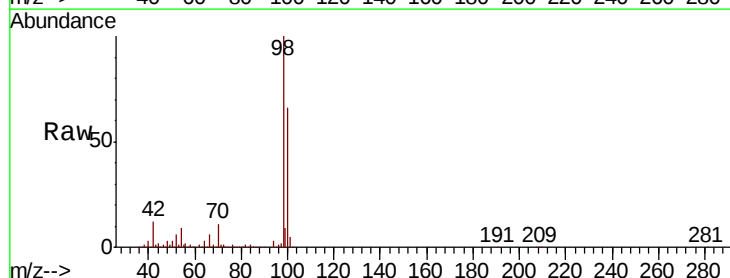
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB124579TB

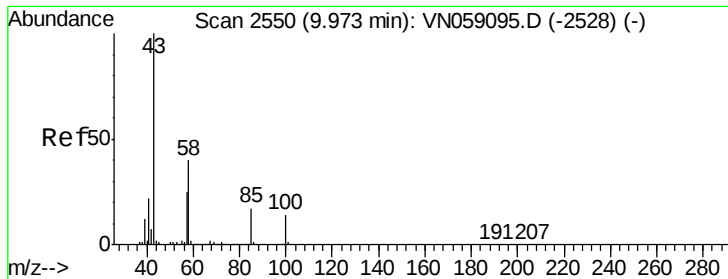
Tot Ion: 88 Resp: 103  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 26.3 39.5#  
 58 2020.4 60.6 90.8#



#50  
 Toluene-d8  
 Concen: 50.057 ug/l  
 RT: 10.08 min Scan# 2583  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Tgt Ion: 98 Resp: 814505  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.974 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

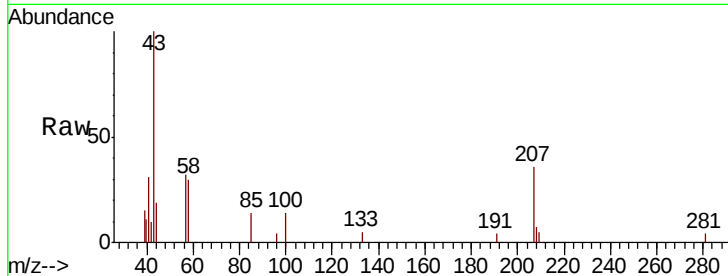
PB124579TB

Tot Ion: 43 Resp: 6319

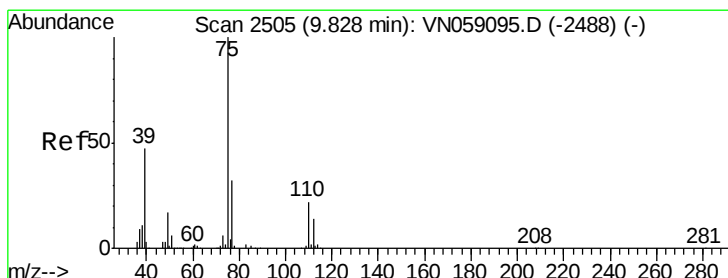
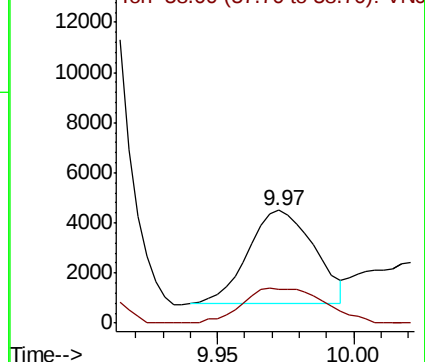
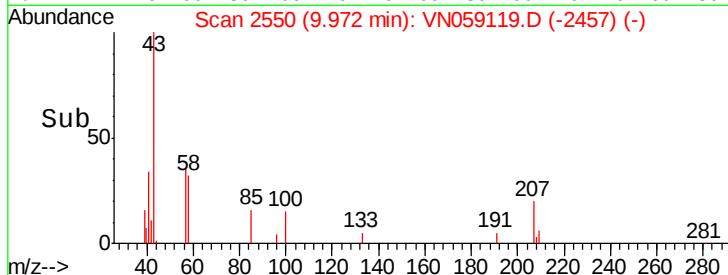
Ion Ratio Lower Upper

43 100

58 46.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059119.D (-2457) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.315 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

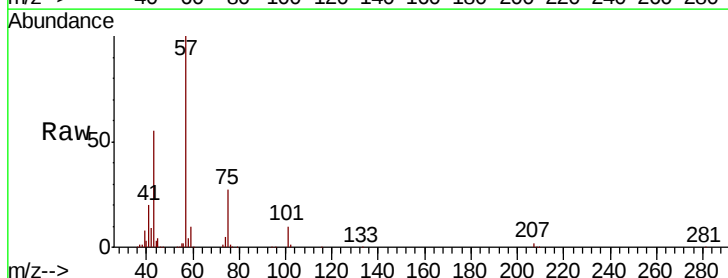
Tgt Ion: 75 Resp: 43471

Ion Ratio Lower Upper

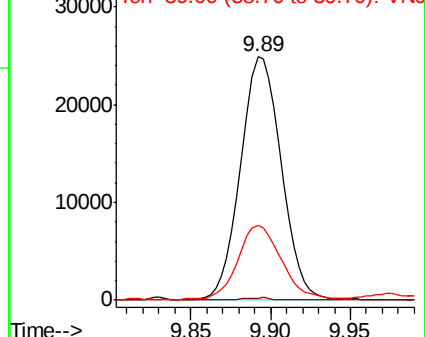
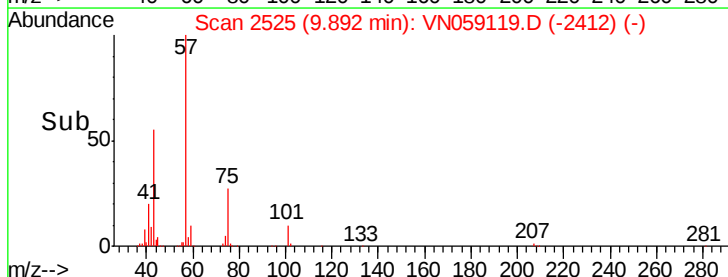
75 100

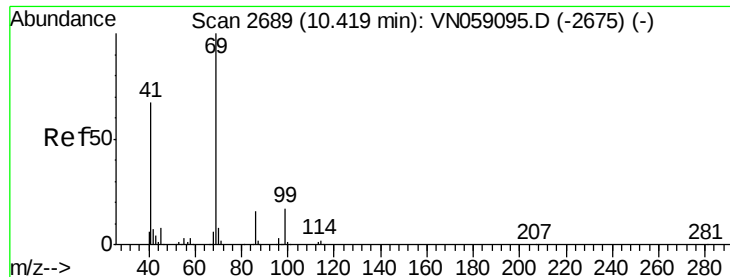
77 0.9 25.5 38.3#

39 30.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VN059119.D (-2412) (-)





#56

Ethyl methacrylate

Concen: 2.088 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

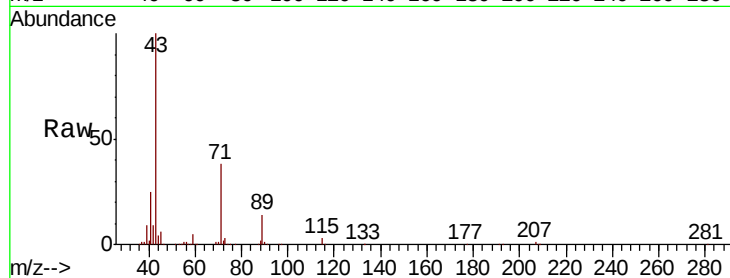
Tot Ion: 69 Resp: 1756

Ion Ratio Lower Upper

69 100

41 5047.0 53.6 80.4#

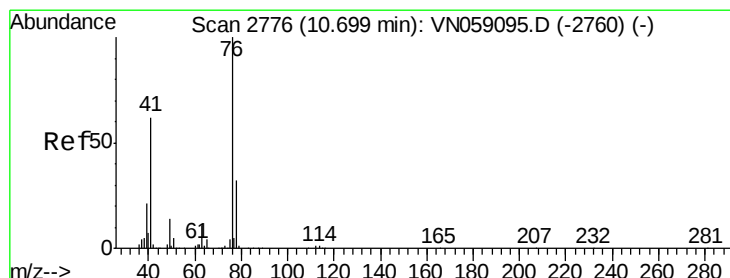
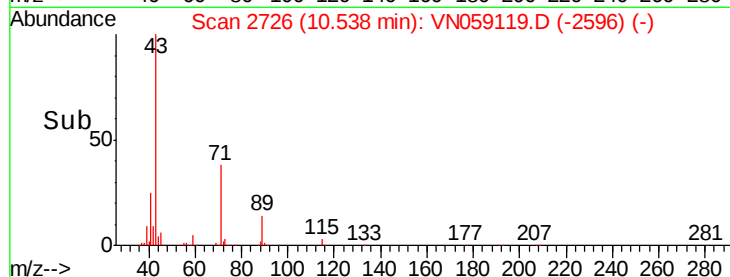
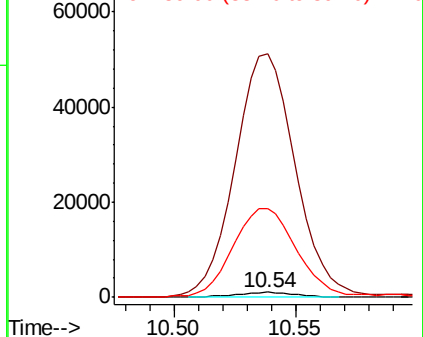
39 1941.3 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC



#57

1,3-Dichloropropane

Concen: 1.001 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN059119.D

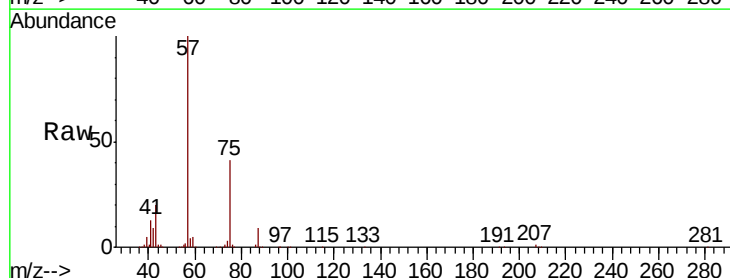
Acq: 7 Nov 2019 14:04

Tgt Ion: 76 Resp: 8135

Ion Ratio Lower Upper

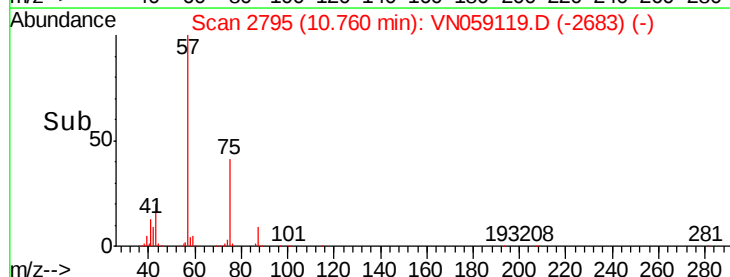
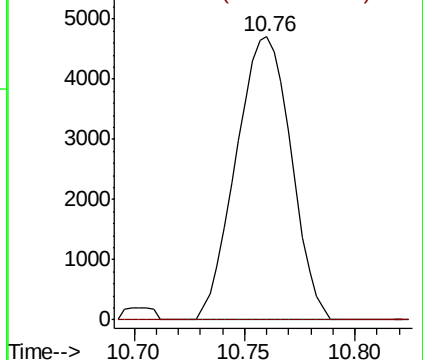
76 100

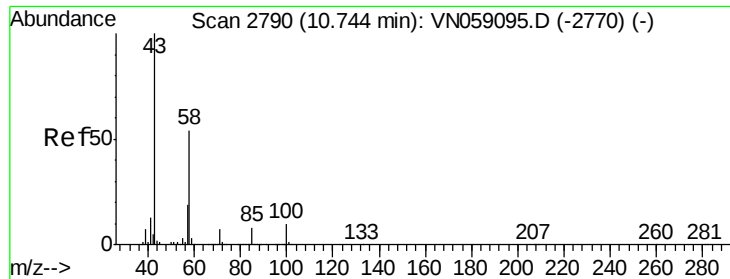
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

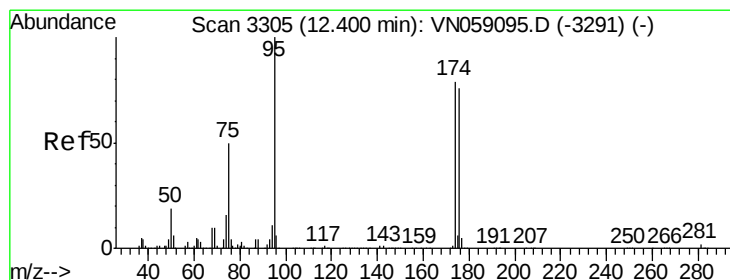
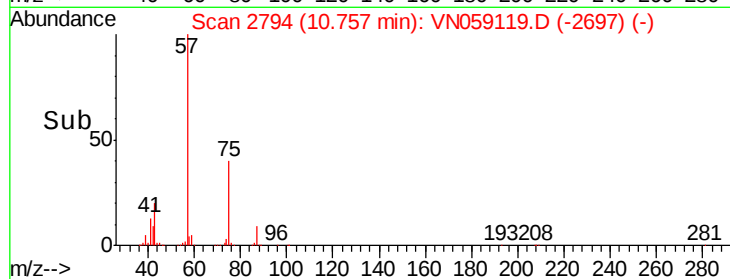
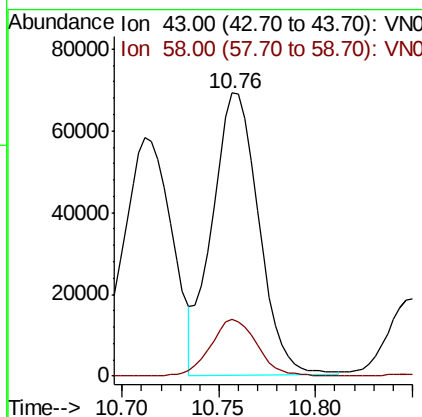
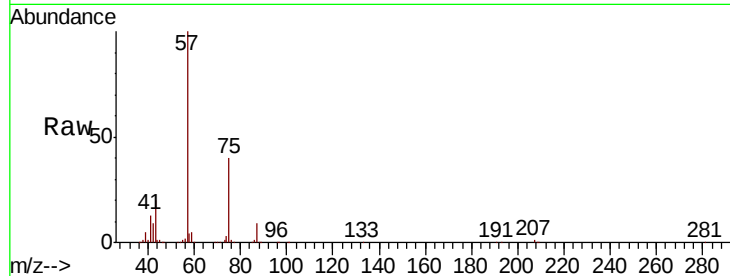




#59  
2-Hexanone  
Concen: 23.281 ug/l  
RT: 10.76 min Scan# 2794  
Delta R.T. 0.01 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

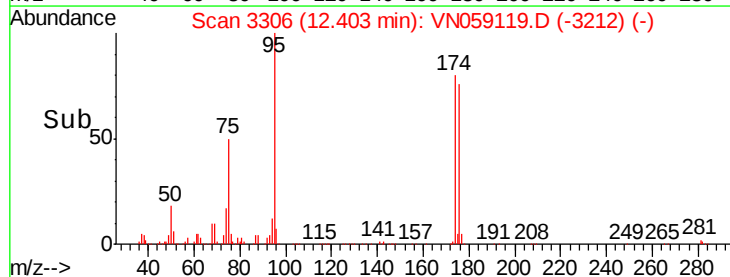
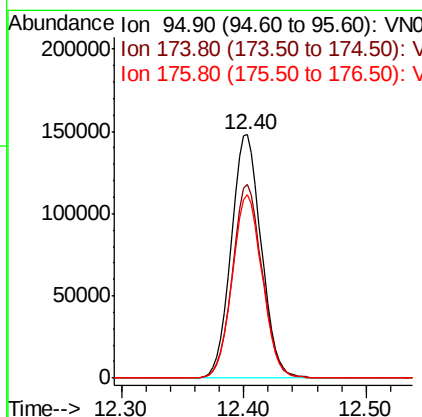
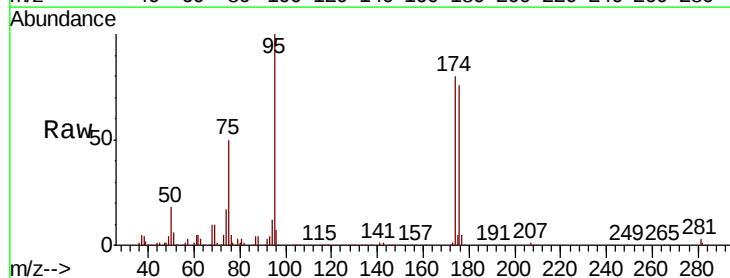
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB124579TB

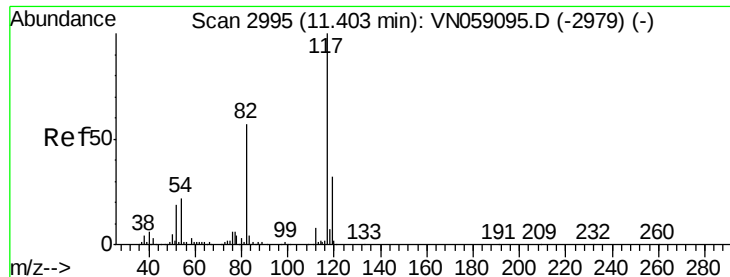
Tot Ion: 43 Resp: 115963  
Ion Ratio Lower Upper  
43 100  
58 20.4 27.3 81.8#



#62  
4-Bromofluorobenzene  
Concen: 43.282 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN059119.D  
Acq: 7 Nov 2019 14:04

Tgt Ion: 95 Resp: 253930  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 158.2  
176 75.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

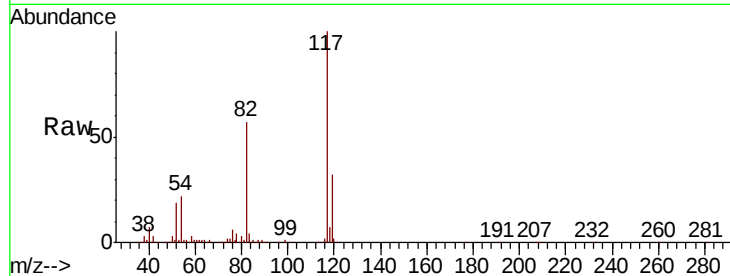
Tot Ion:117 Resp: 611973

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

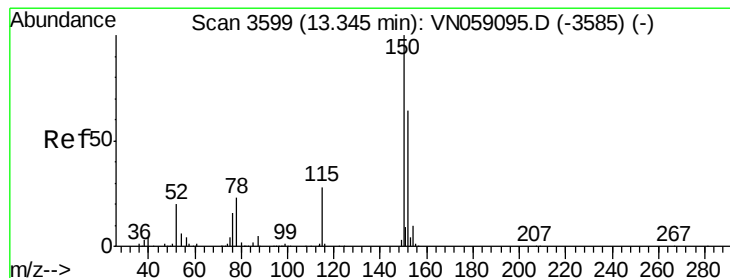
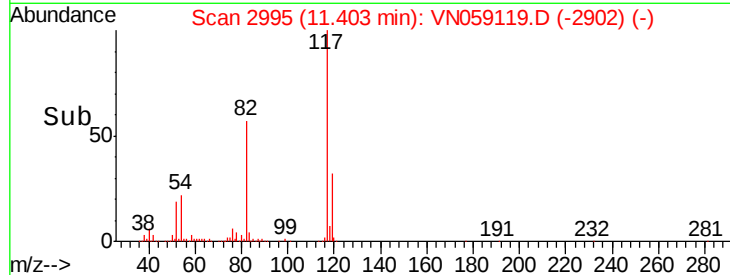
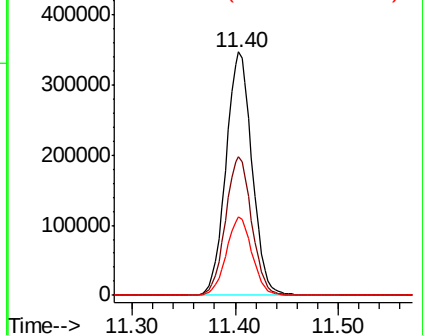
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

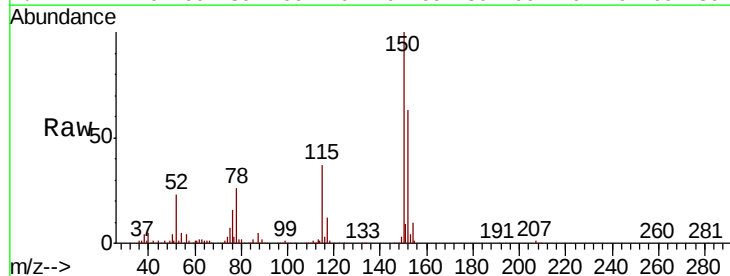
Tgt Ion:152 Resp: 205800

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

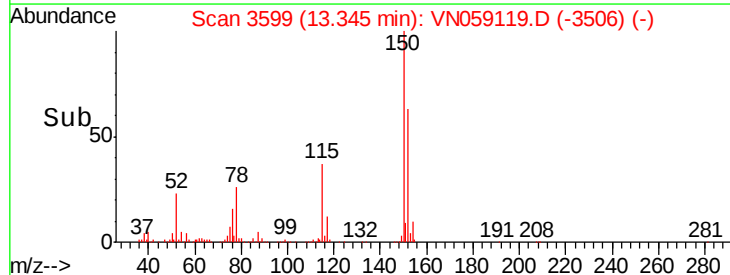
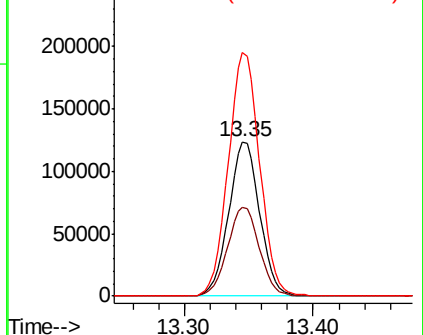
150 160.6 0.0 345.8

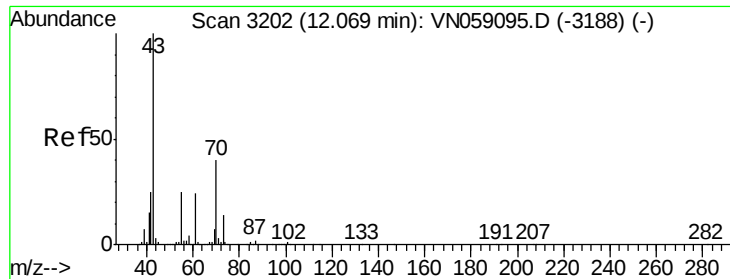


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.529 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

Tot Ion: 43 Resp: 3358

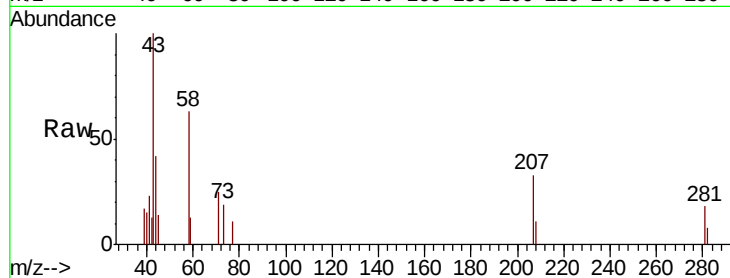
Ion Ratio Lower Upper

43 100

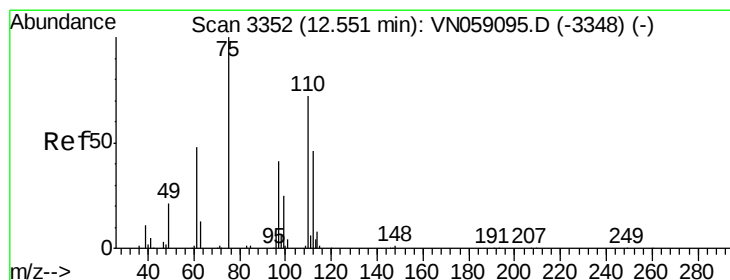
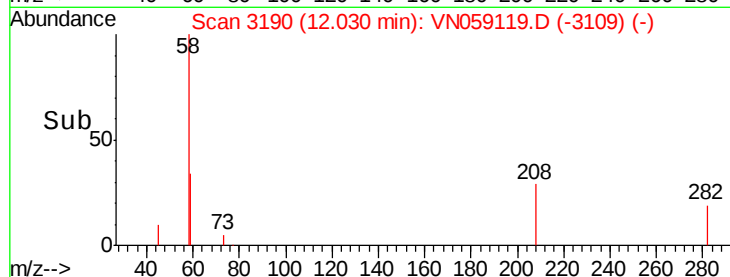
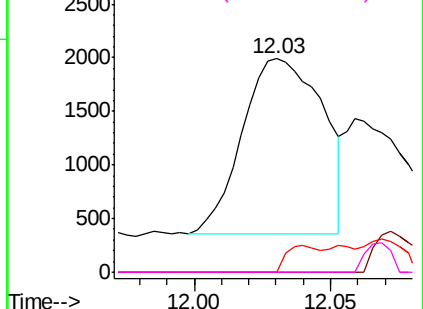
70 0.0 32.2 48.4#

55 6.3 20.4 30.6#

61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 70.00 (69.70 to 70.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 26.687 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059119.D

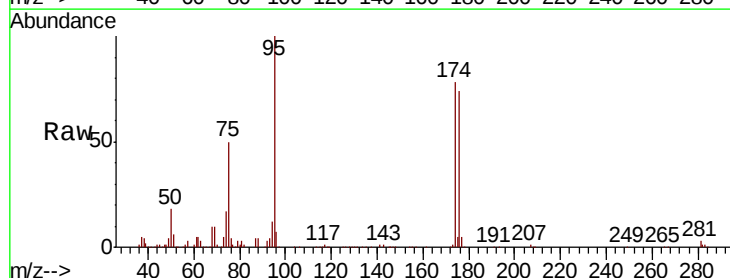
Acq: 7 Nov 2019 14:04

Tgt Ion: 75 Resp: 125041

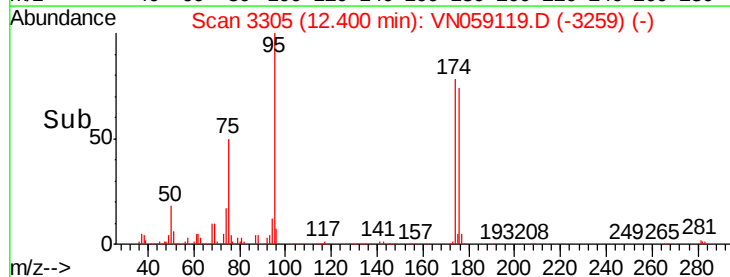
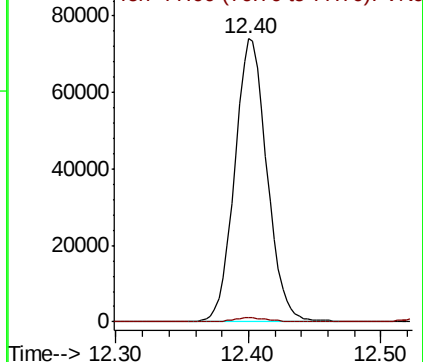
Ion Ratio Lower Upper

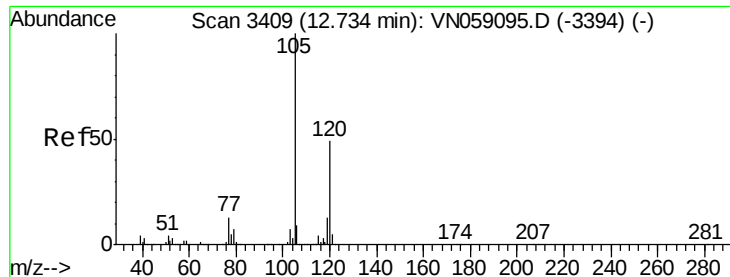
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO

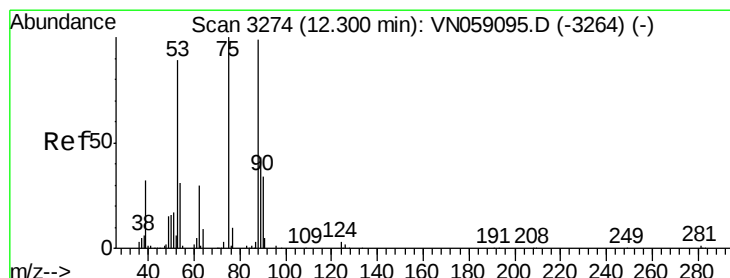
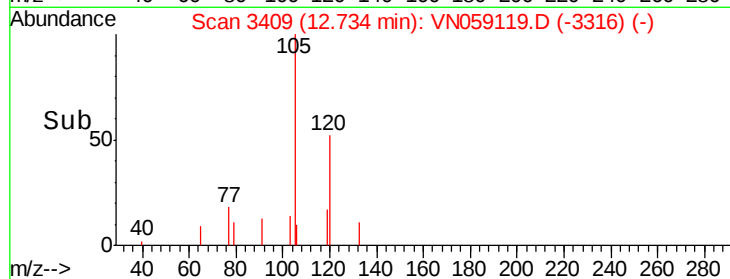
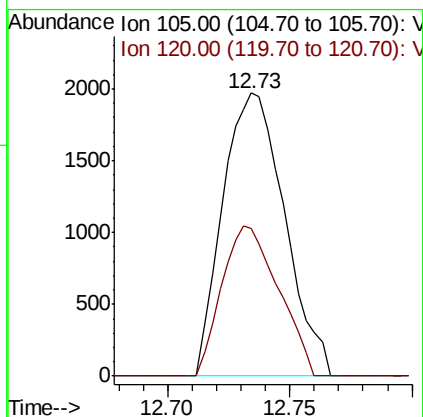
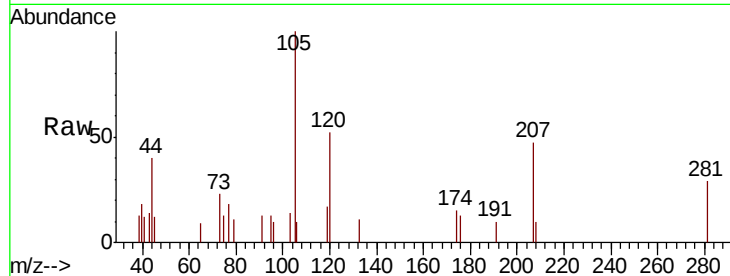




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.273 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. -0.00 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

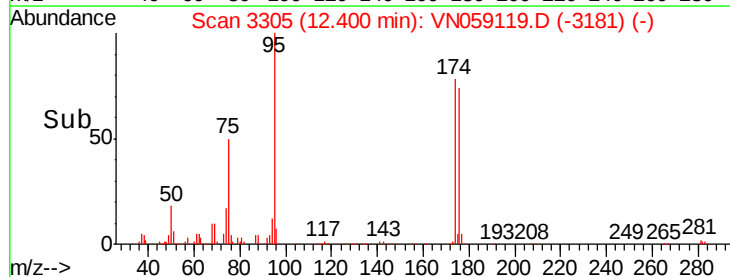
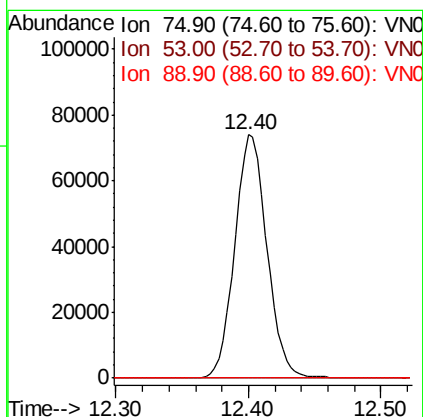
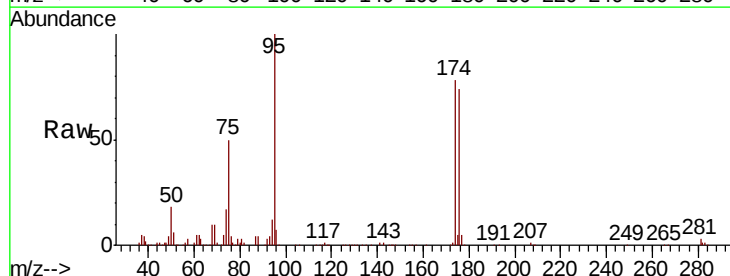
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB124579TB

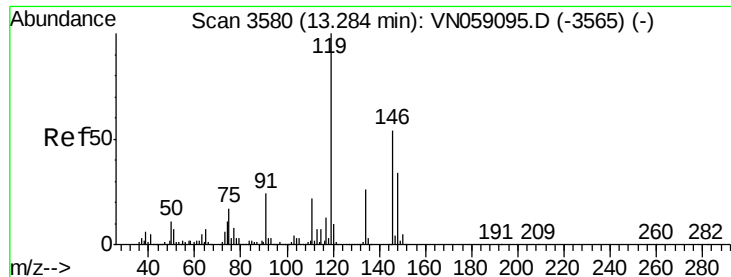
Tot Ion:105 Resp: 3469  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 24.0 72.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.489 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN059119.D  
 Acq: 7 Nov 2019 14:04

Tgt Ion: 75 Resp: 125041  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 72.2 108.2#  
 89 0.0 35.8 53.8#





#87

1,3-Dichlorobenzene

Concen: 0.280 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

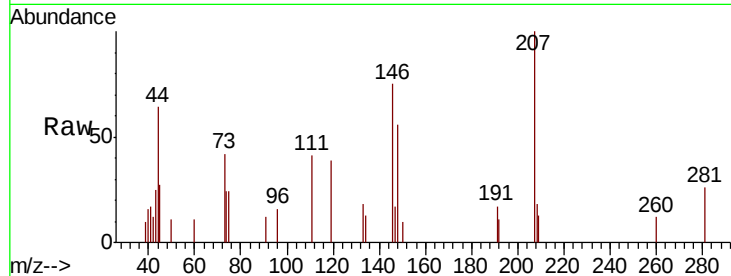
Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :  
MSVOA\_N  
ClientSampled :  
PB124579TB

Tot Ion:146 Resp: 1806

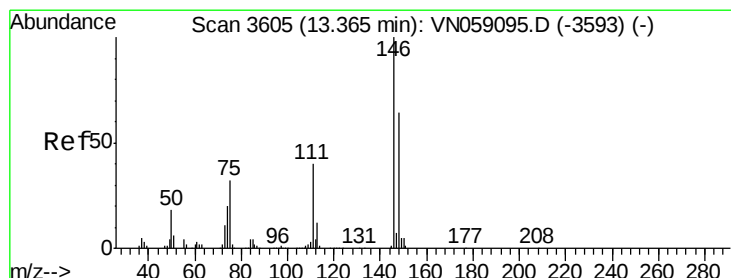
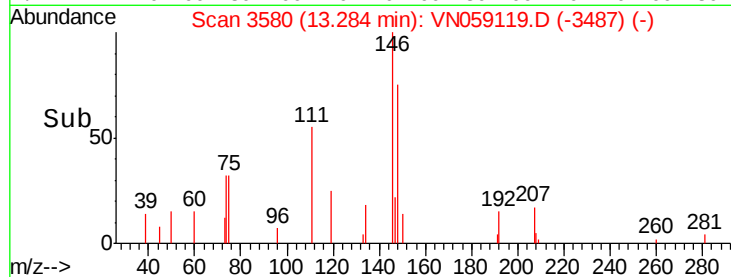
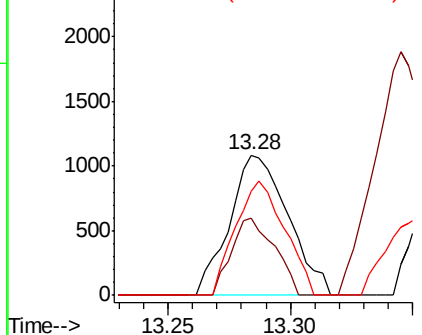
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.5  | 20.4  | 61.3  |
| 148 | 68.1  | 32.2  | 96.6  |



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.280 ug/l

RT: 13.28 min Scan# 3580

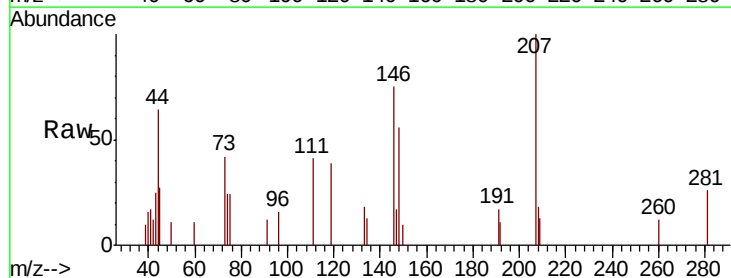
Delta R.T. -0.08 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Tgt Ion:146 Resp: 1806

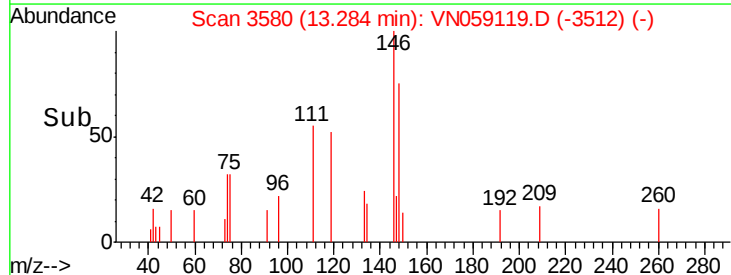
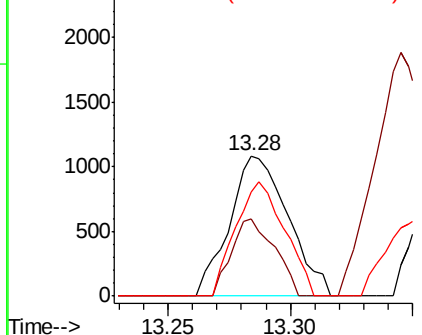
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.5  | 20.3  | 60.9  |
| 148 | 68.1  | 31.9  | 95.7  |

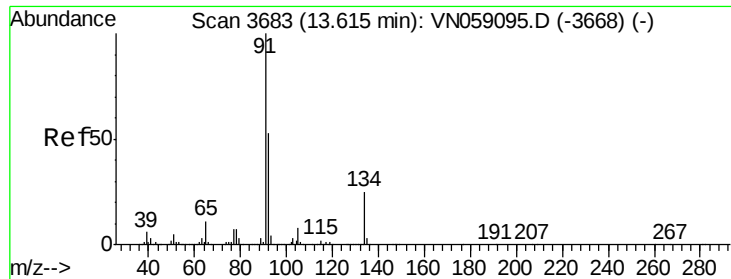


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.228 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

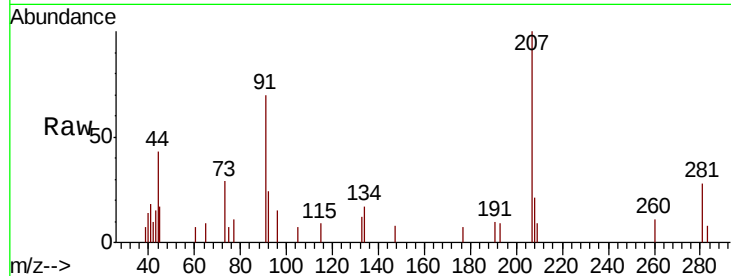
Tot Ion: 91 Resp: 2509

Ion Ratio Lower Upper

91 100

92 45.1 26.1 78.3

134 26.6 12.6 37.8

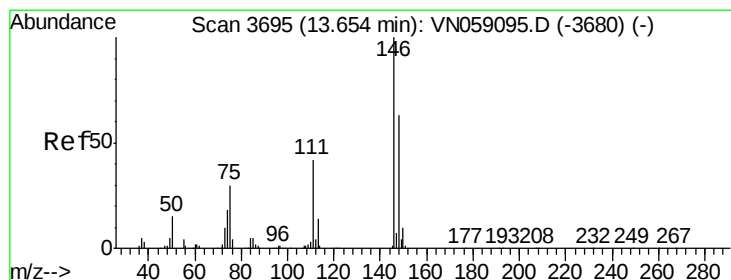
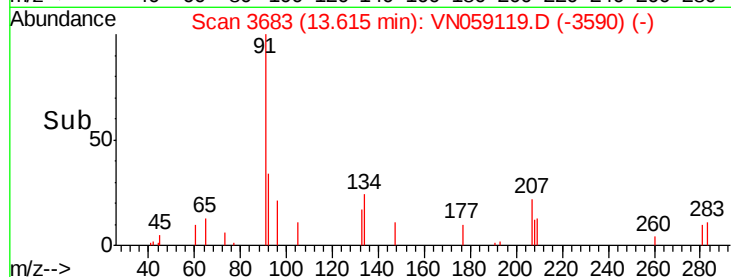
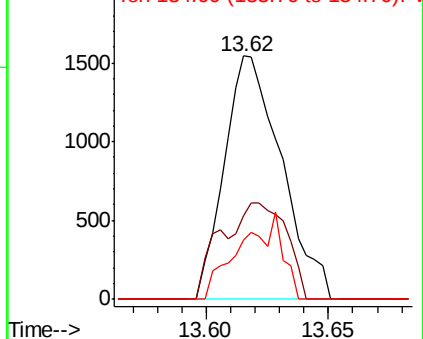


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#91

1,2-Dichlorobenzene

Concen: 0.277 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

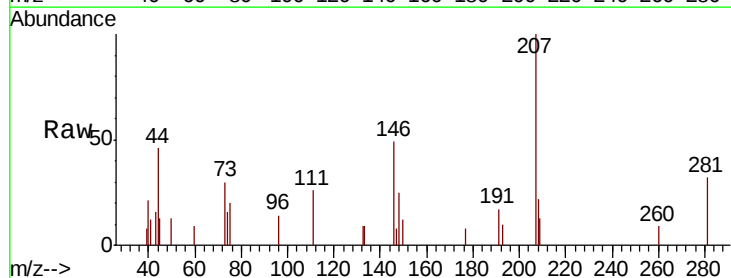
Tgt Ion: 146 Resp: 1752

Ion Ratio Lower Upper

146 100

111 42.8 21.2 63.6

148 66.5 31.6 94.7

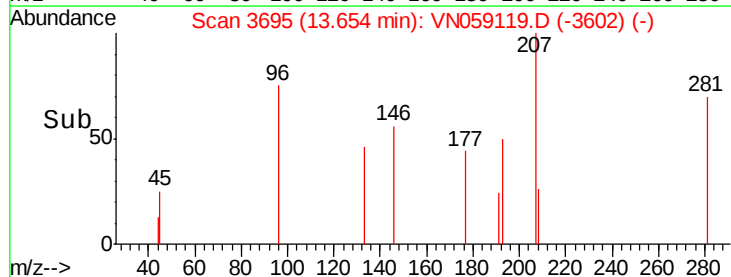
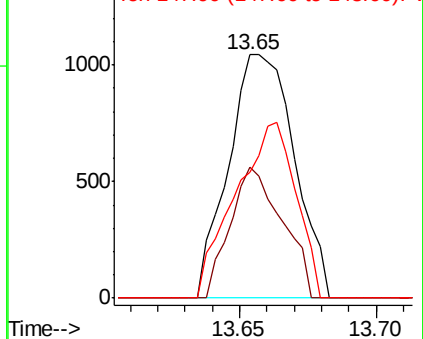


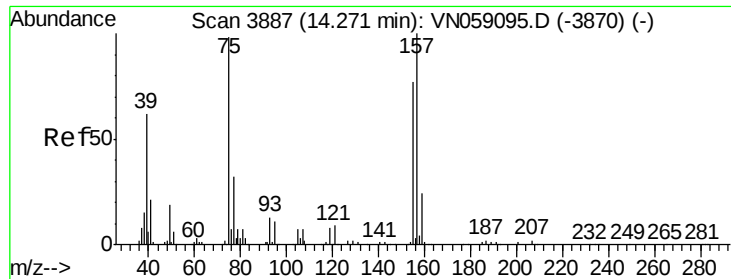
Abundance

Ion 145.90 (145.60 to 146.60): VN0

Ion 110.90 (110.60 to 111.60): VN0

Ion 147.90 (147.60 to 148.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.791 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampled :

PB124579TB

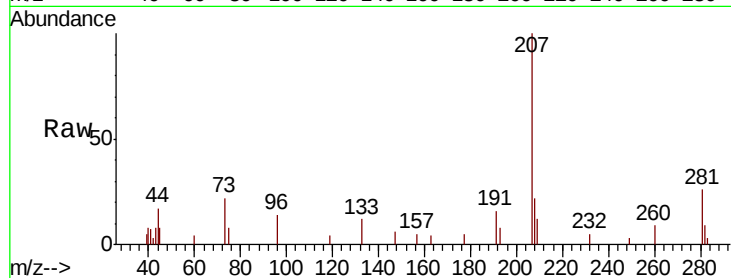
Tot Ion: 75 Resp: 778

Ion Ratio Lower Upper

75 100

155 21.3 40.2 120.6#

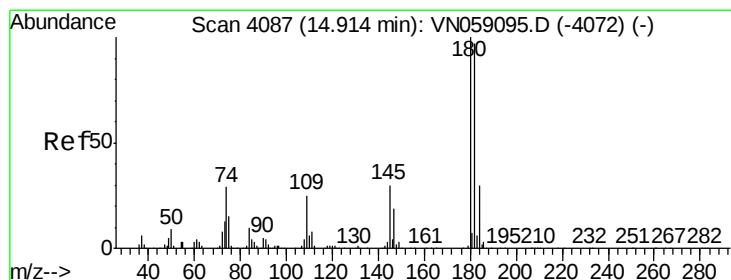
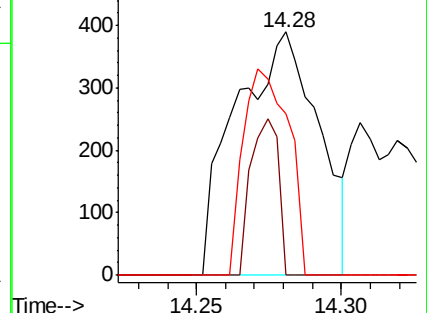
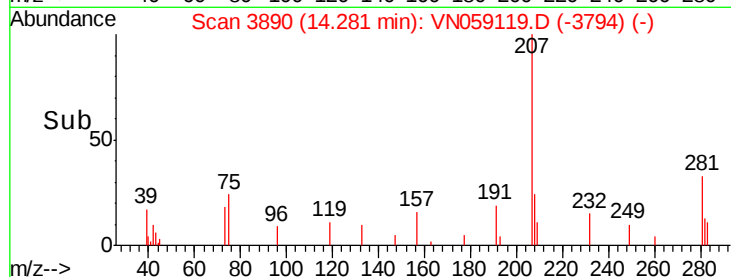
157 46.0 51.8 155.5#



Abundance Ion 74.90 (74.60 to 75.60): VN059119.D (-3890) (-)

Ion 154.80 (154.50 to 155.50): VN059119.D (-3890) (-)

Ion 156.80 (156.50 to 157.50): VN059119.D (-3890) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.798 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

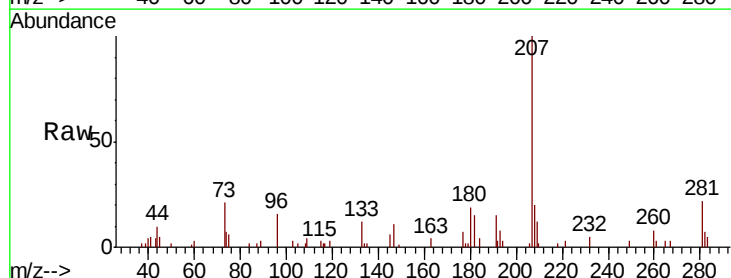
Tgt Ion: 180 Resp: 3078

Ion Ratio Lower Upper

180 100

182 85.8 48.1 144.3

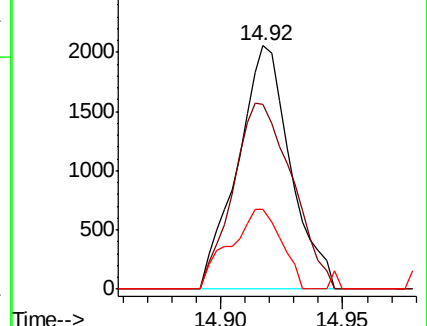
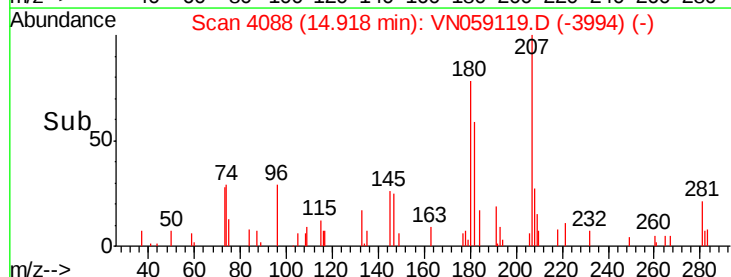
145 32.0 15.1 45.3

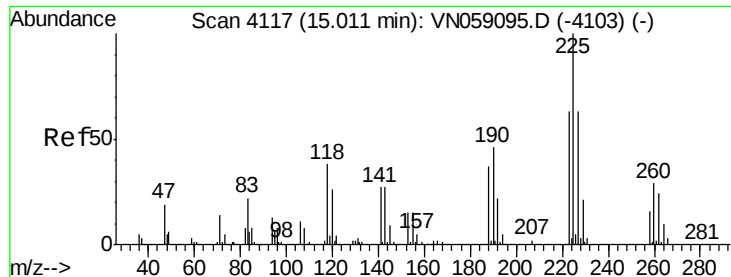


Abundance Ion 179.80 (179.50 to 180.50): VN059119.D (-4088) (-)

Ion 181.80 (181.50 to 182.50): VN059119.D (-4088) (-)

Ion 144.80 (144.50 to 145.50): VN059119.D (-4088) (-)





#94

Hexachlorobutadiene

Concen: 0.265 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampled :

PB124579TB

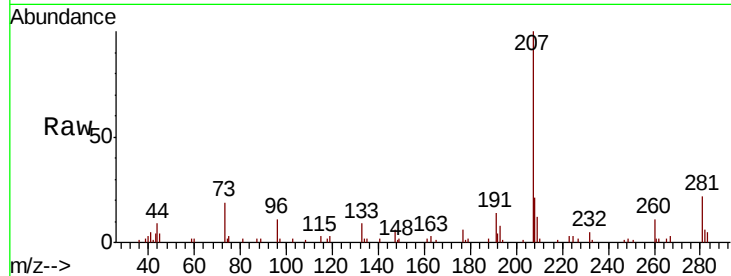
Tot Ion:225 Resp: 579

Ion Ratio Lower Upper

225 100

223 107.6 31.3 93.9#

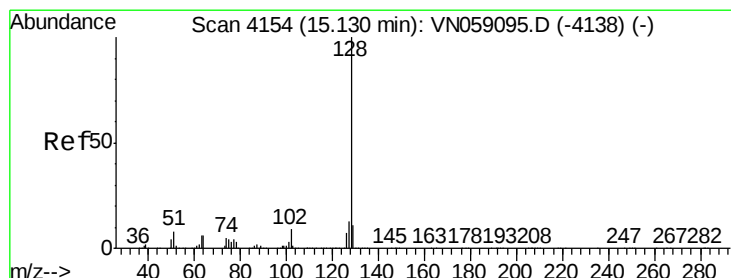
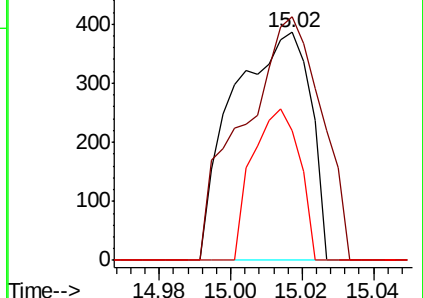
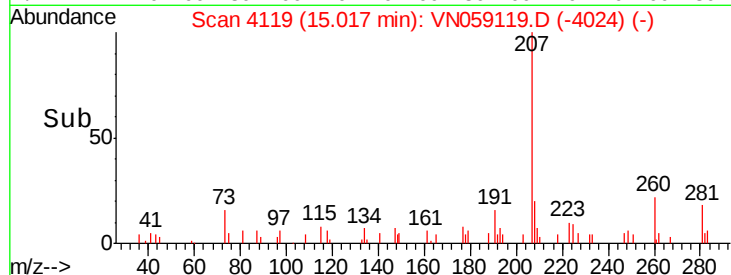
227 40.4 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.126 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

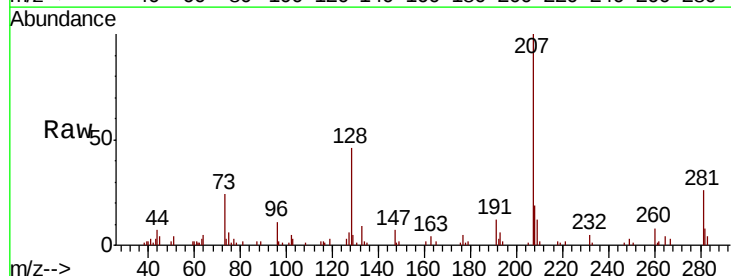
Tgt Ion:128 Resp: 12276

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.2

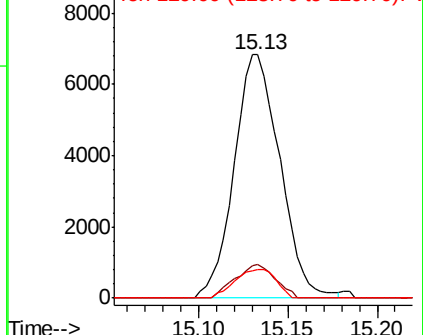
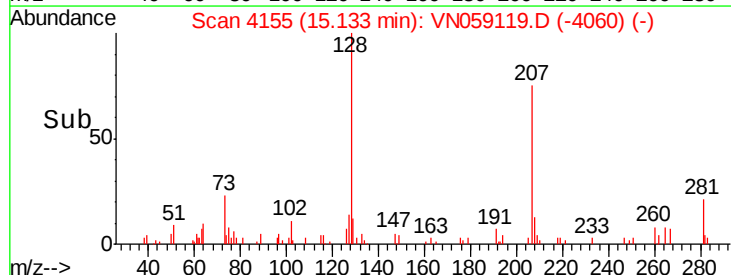
129 10.6 8.6 12.8

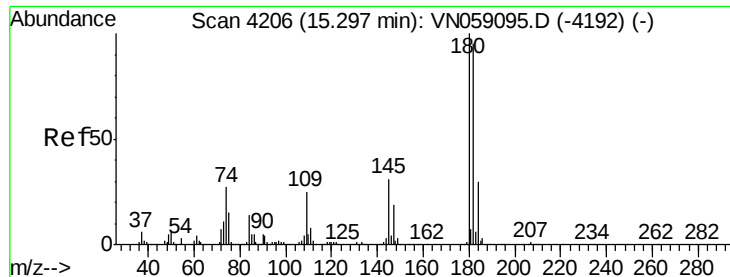


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.033 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059119.D

Acq: 7 Nov 2019 14:04

Instrument :

MSVOA\_N

ClientSampleId :

PB124579TB

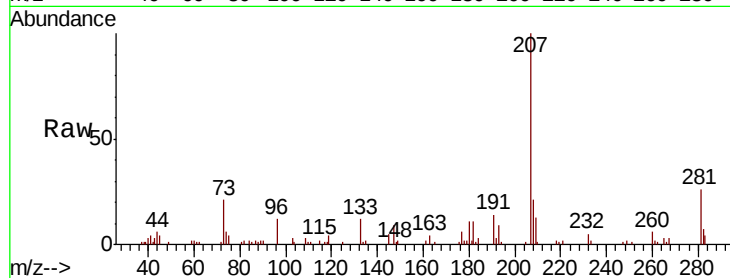
Tot Ion:180 Resp: 3669

Ion Ratio Lower Upper

180 100

182 88.7 47.3 141.8

145 38.0 15.8 47.3



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

