

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\  
 Data File : VN058940.D  
 Acq On : 23 Oct 2019 19:04  
 Operator : JC/SP  
 Sample : K5508-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S32-0669

Quant Time: Oct 24 01:16:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 302780   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 507634   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 456784   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 178632   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 249184   | 56.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.22% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 178816   | 53.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.16% |          |
| 50) Toluene-d8              | 10.08 | 98   | 634437   | 48.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.94%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 208998   | 43.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.86%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.83  | 85   | 3634     | 0.963  | ug/l   | 95     |
| 4) Vinyl Chloride              | 2.17  | 62   | 419132   | 90.286 | ug/l   | 99     |
| 11) Tert butyl alcohol         | 4.76  | 59   | 1990     | 2.700  | ug/l # | 72     |
| 12) 1,1-Dichloroethene         | 3.72  | 96   | 1967     | 0.659  | ug/l # | 72     |
| 16) Acetone                    | 3.80  | 43   | 9885     | 4.505  | ug/l # | 89     |
| 17) Carbon Disulfide           | 4.03  | 76   | 6073     | 0.632  | ug/l   | 97     |
| 18) Methyl Acetate             | 4.30  | 43   | 1230     | 0.247  | ug/l # | 60     |
| 21) trans-1,2-Dichloroethene   | 5.01  | 96   | 6669     | 2.023  | ug/l   | 97     |
| 25) 2-Butanone                 | 6.83  | 43   | 1335     | 0.469  | ug/l # | 1      |
| 27) cis-1,2-Dichloroethene     | 6.81  | 96   | 187487   | 49.790 | ug/l   | 89     |
| 29) Tetrahydrofuran            | 7.20  | 42   | 932      | 0.535  | ug/l # | 51     |
| 31) Cyclohexane                | 7.65  | 56   | 7294     | 1.143  | ug/l # | 6      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 25811    | 4.966  | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 30869    | 5.766  | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.18  | 41   | 575      | 0.228  | ug/l # | 100    |
| 44) Trichloroethene            | 8.82  | 130  | 17654    | 4.749  | ug/l   | 100    |
| 56) Ethyl methacrylate         | 10.36 | 69   | 34       | 2.103  | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.75 | 43   | 907      | 0.221  | ug/l # | 26     |
| 69) o-Xylene                   | 11.95 | 106  | 2332     | 0.404  | ug/l   | 99     |
| 70) Styrene                    | 11.95 | 104  | 134      | 1.726  | ug/l # | 1      |
| 71) Bromoform                  | 12.40 | 173  | 830      | 0.305  | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 5677     | 0.435  | ug/l   | 88     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 111868   | 27.021 | ug/l # | 100    |
| 78) n-propylbenzene            | 12.60 | 91   | 11170    | 0.724  | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 12.60 | 91   | 11170    | 1.183  | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 12.90 | 105  | 17475    | 1.593  | ug/l   | 79     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 111868   | 70.393 | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 12.90 | 91   | 2352     | 0.244  | ug/l # | 43     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 8537     | 0.683  | ug/l   | 85     |
| 86) p-Isopropyltoluene         | 13.45 | 119  | 3005     | 0.272  | ug/l   | 92     |
| 89) n-Butylbenzene             | 13.63 | 91   | 2182     | 0.215  | ug/l # | 68     |
| 90) Hexachloroethane           | 13.95 | 117  | 4069     | 1.820  | ug/l # | 11     |
| 95) Naphthalene                | 15.14 | 128  | 880      | 2.308  | ug/l # | 70     |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

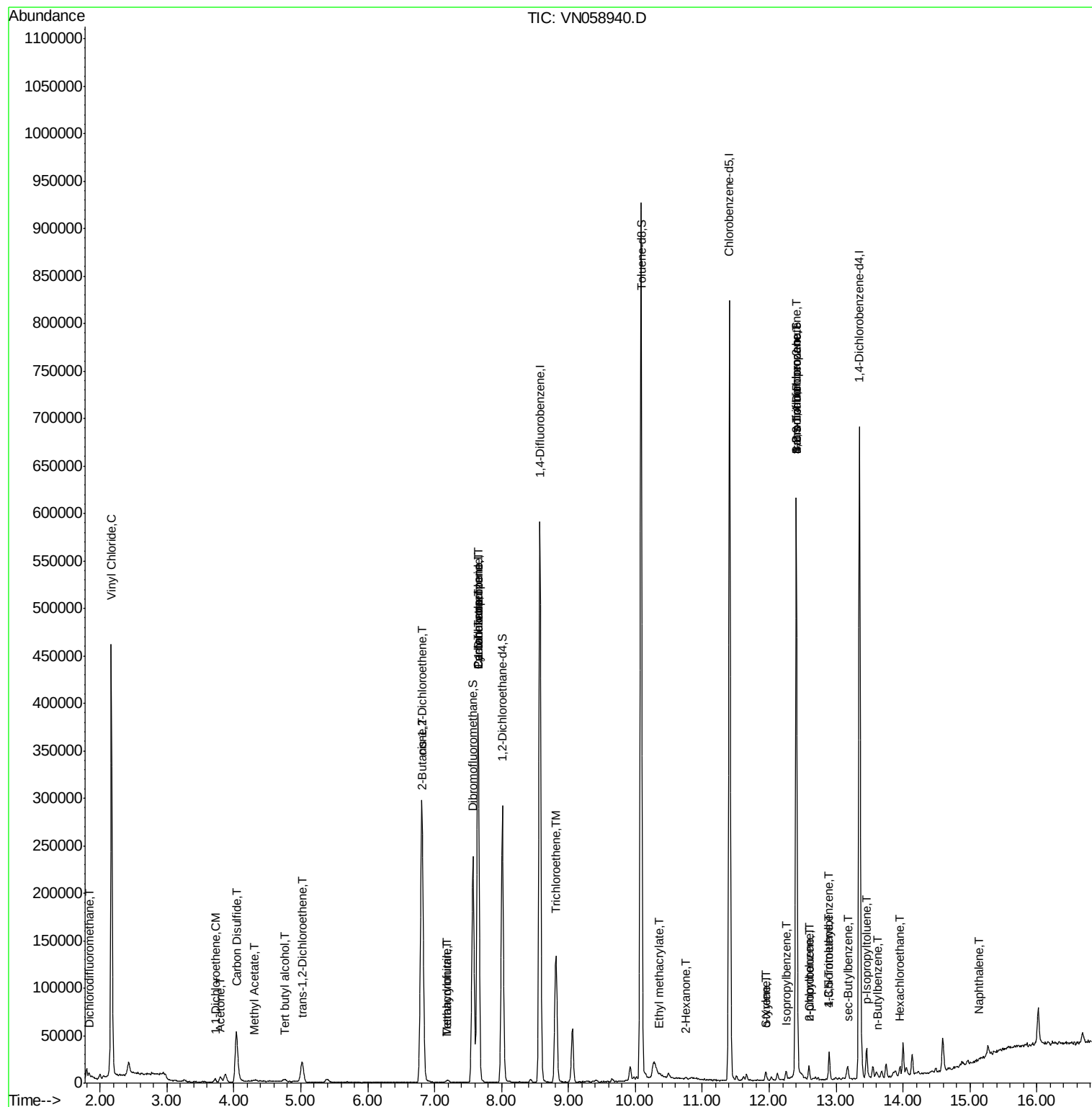
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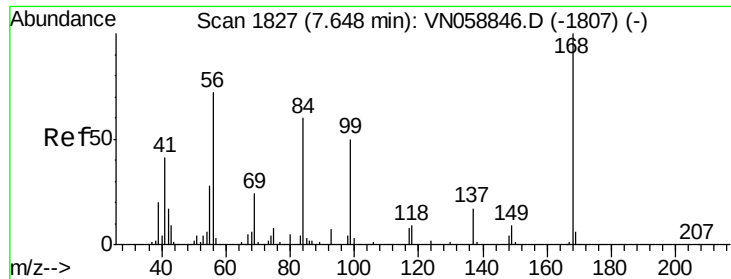
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102419\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampleId :

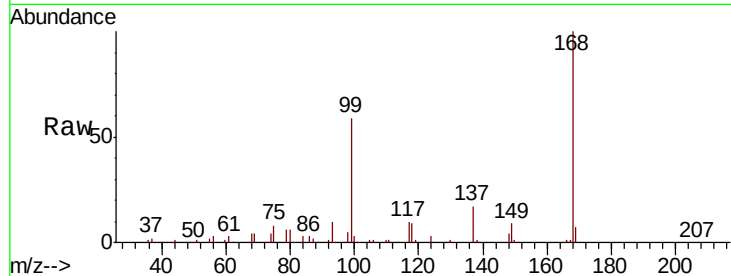
S32-0669

Tot Ion:168 Resp: 302780

Ion Ratio Lower Upper

168 100

99 59.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

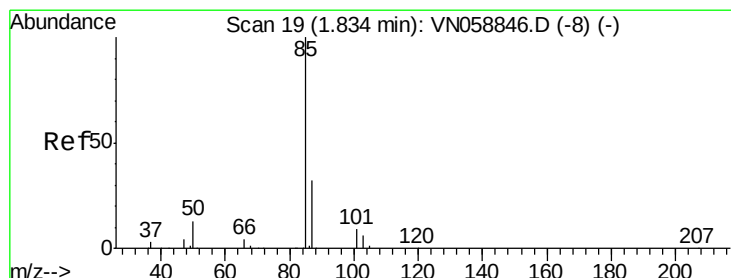
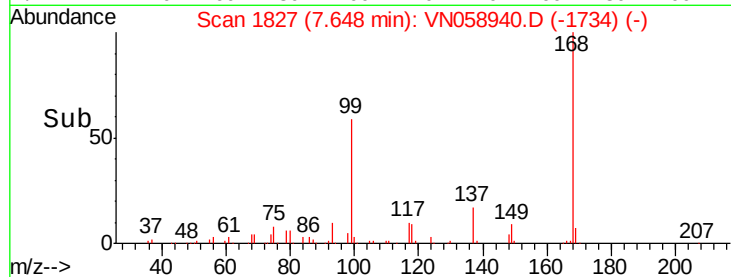
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.963 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058940.D

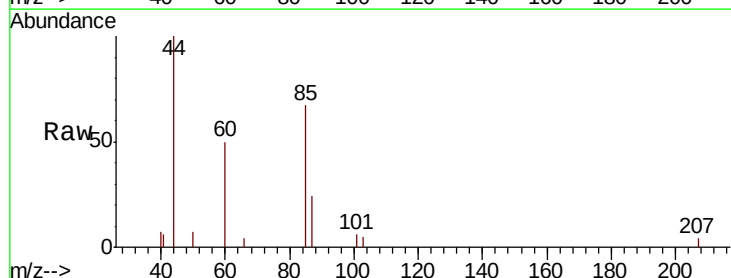
Acq: 23 Oct 2019 19:04

Tgt Ion: 85 Resp: 3634

Ion Ratio Lower Upper

85 100

87 35.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058846.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058846.D (-8) (-)

1.83

3000

2500

2000

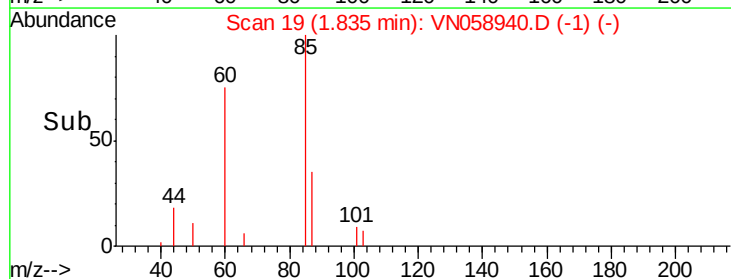
1500

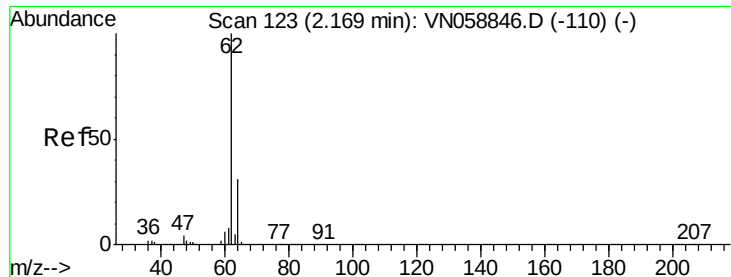
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 90.286 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampled :

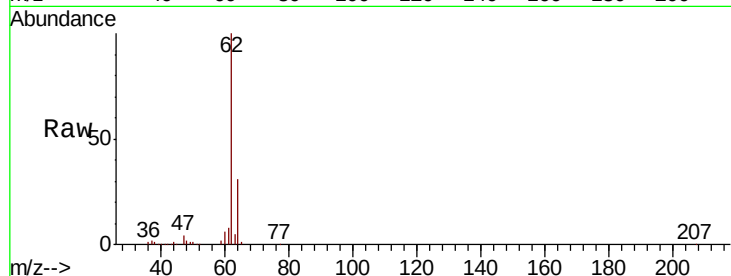
S32-0669

Tot Ion: 62 Resp: 419132

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN058940.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058940.D (-110) (-)

2.17

300000

250000

200000

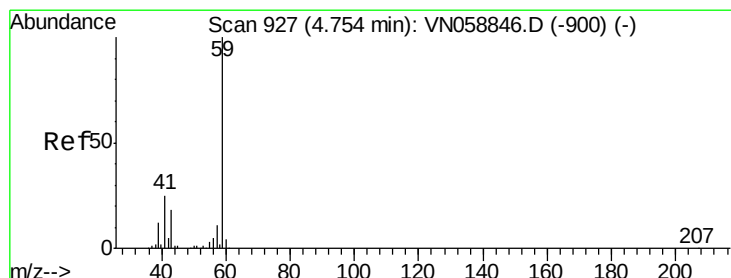
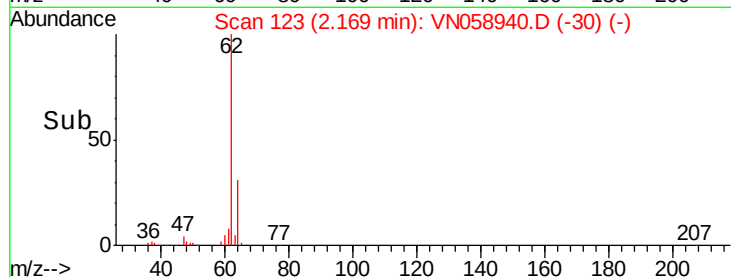
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.700 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058940.D

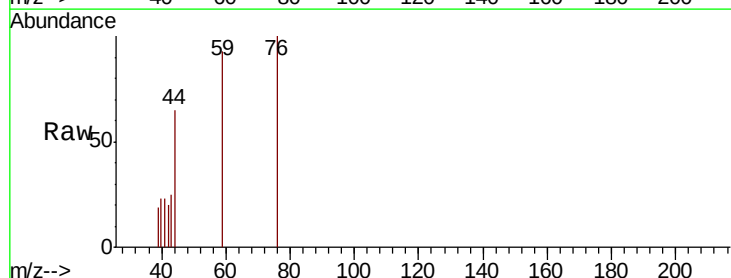
Acq: 23 Oct 2019 19:04

Tgt Ion: 59 Resp: 1990

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN058940.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN058940.D (-900) (-)

4.76

1000

800

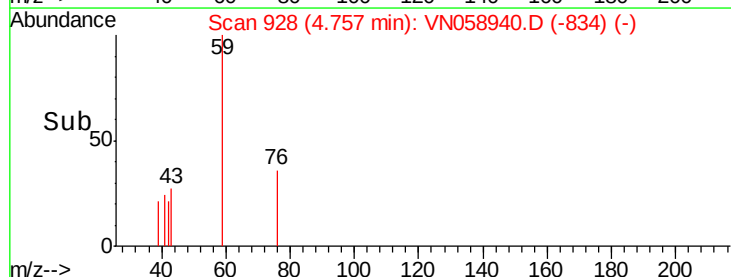
600

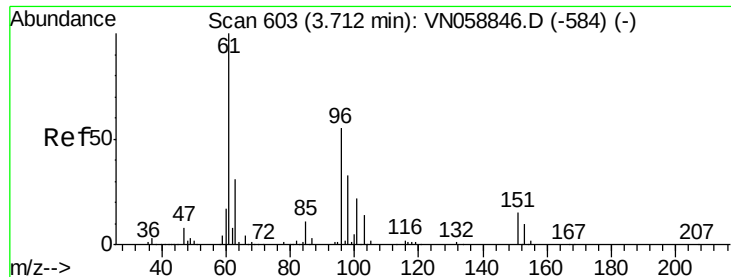
400

200

0

Time-->

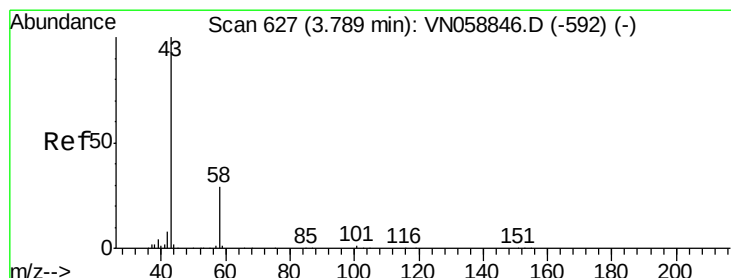
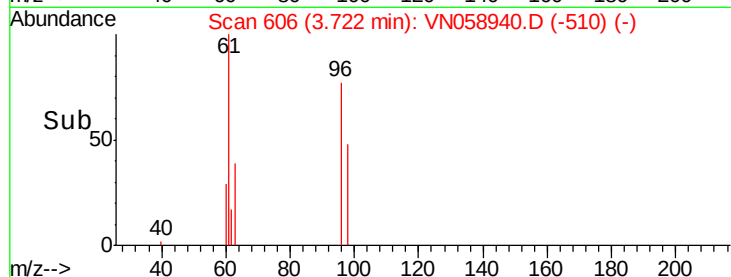
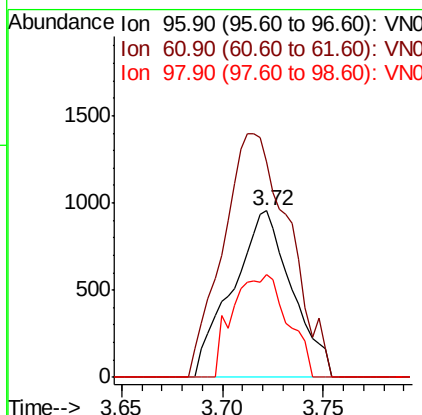
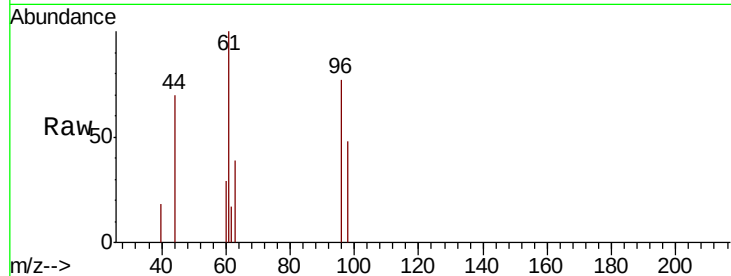




#12  
 1,1-Dichloroethene  
 Concen: 0.659 ug/l  
 RT: 3.72 min Scan# 606  
 Delta R.T. 0.01 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

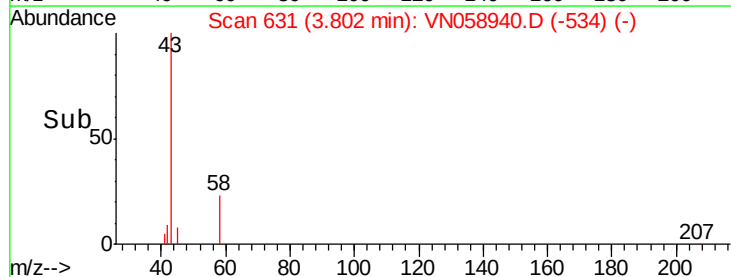
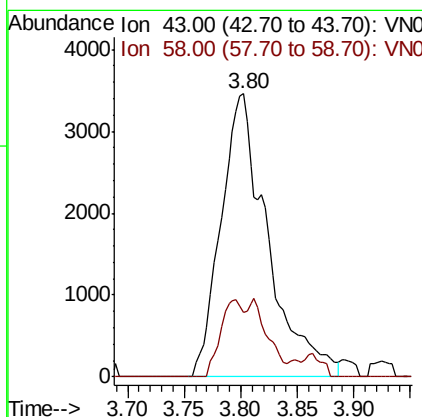
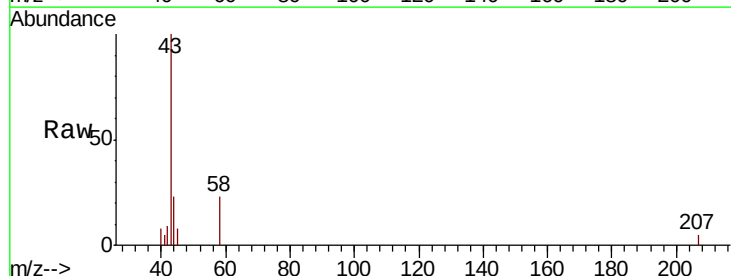
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 S32-0669

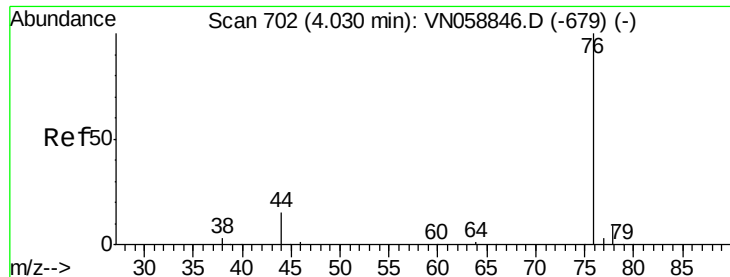
Tot Ion: 96 Resp: 1967  
 Ion Ratio Lower Upper  
 96 100  
 61 129.3 146.2 219.2#  
 98 62.0 48.7 73.1



#16  
 Acetone  
 Concen: 4.505 ug/l  
 RT: 3.80 min Scan# 631  
 Delta R.T. 0.01 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

Tgt Ion: 43 Resp: 9885  
 Ion Ratio Lower Upper  
 43 100  
 58 22.9 23.1 34.7#

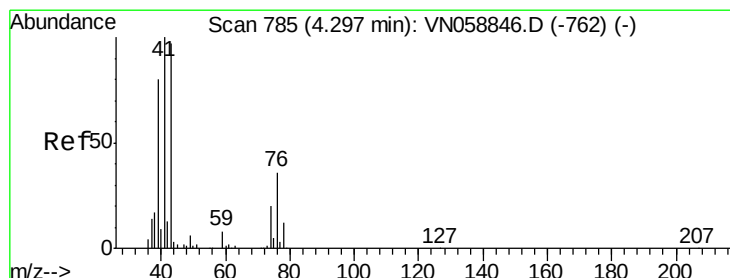
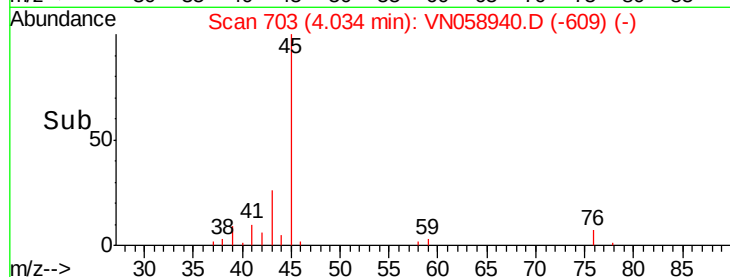
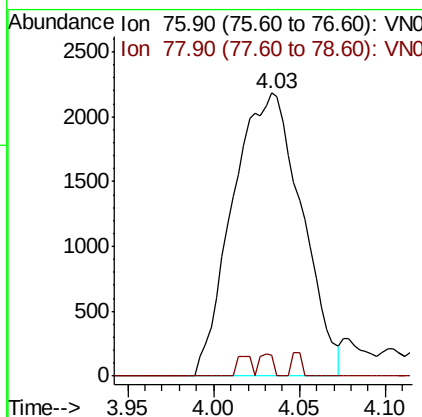
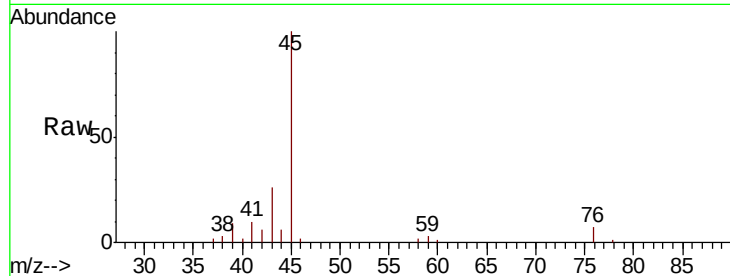




#17  
Carbon Disulfide  
Concen: 0.632 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

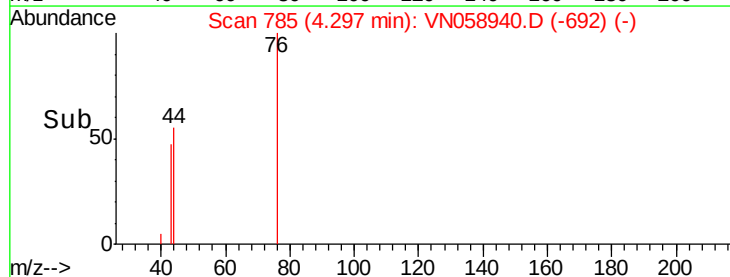
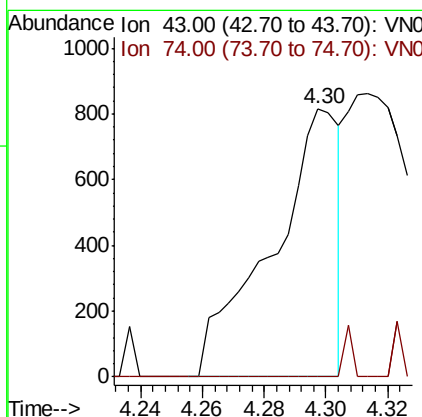
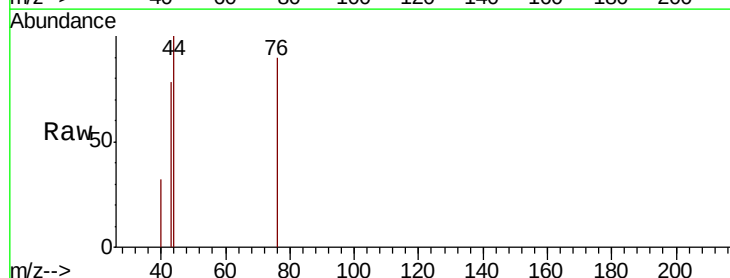
Instrument :  
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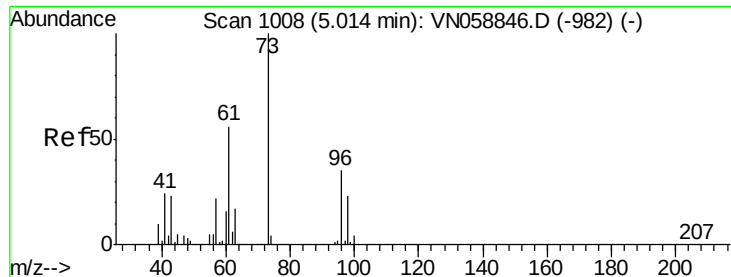
Tot Ion: 76 Resp: 6073  
Ion Ratio Lower Upper  
76 100  
78 7.7 7.1 10.7



#18  
Methyl Acetate  
Concen: 0.247 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion: 43 Resp: 1230  
Ion Ratio Lower Upper  
43 100  
74 2.4 17.1 25.7#





#21

trans-1,2-Dichloroethene

Concen: 2.023 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampled :

S32-0669

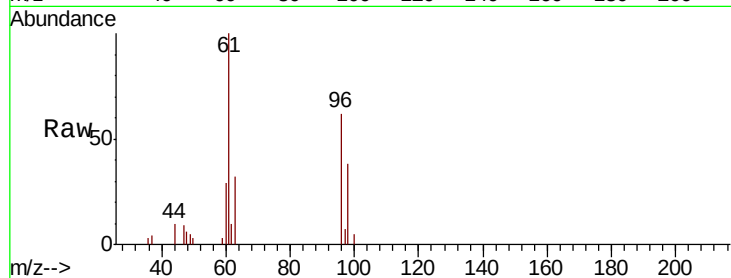
Tot Ion: 96 Resp: 6669

Ion Ratio Lower Upper

96 100

61 160.8 126.7 190.1

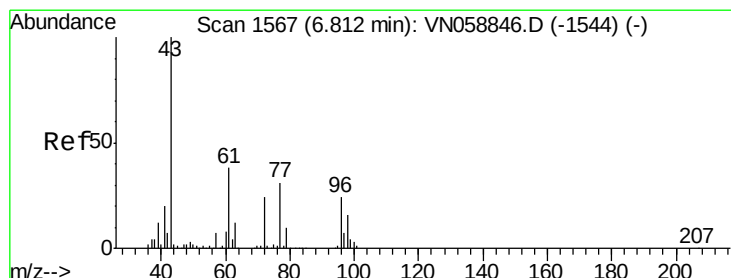
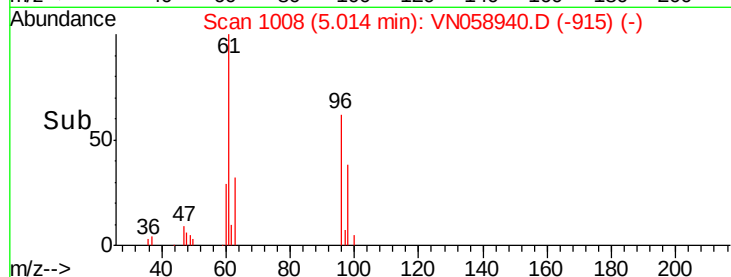
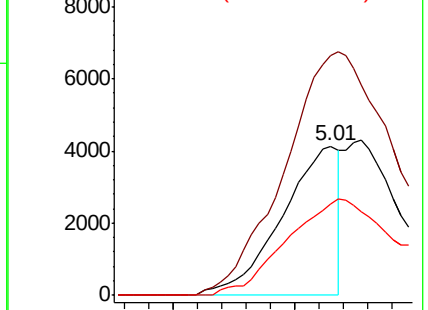
98 61.4 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#25

2-Butanone

Concen: 0.469 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.02 min

Lab File: VN058940.D

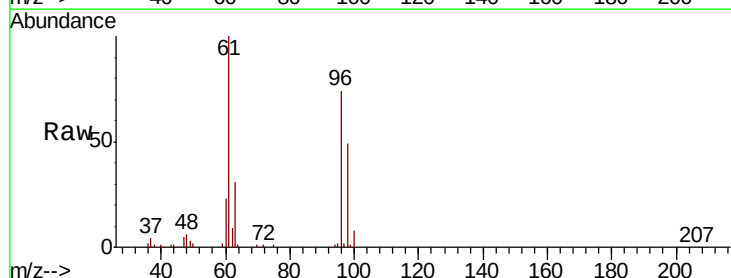
Acq: 23 Oct 2019 19:04

Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

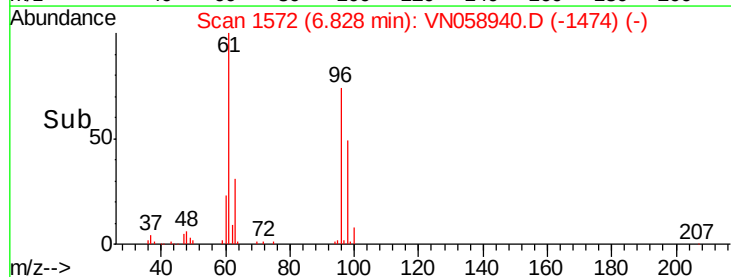
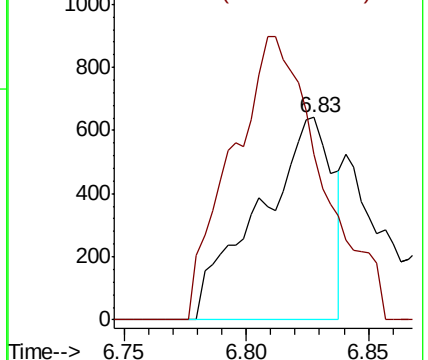
43 100

72 81.9 19.1 28.7#

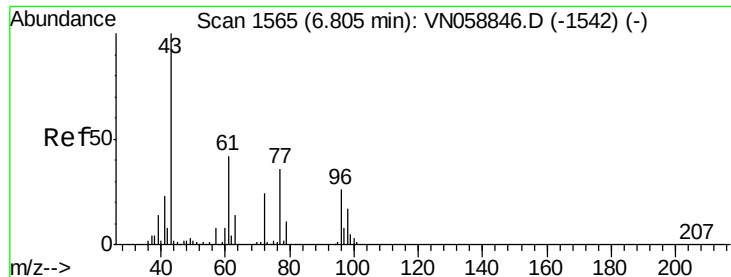


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0







#27

cis-1,2-Dichloroethene

Concen: 49.790 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058940.D

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Instrument :

MSVOA\_N

ClientSampled :

S32-0669

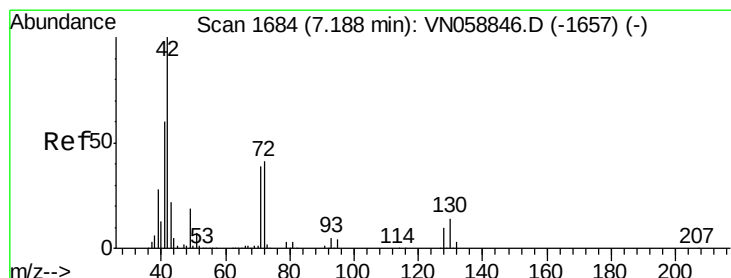
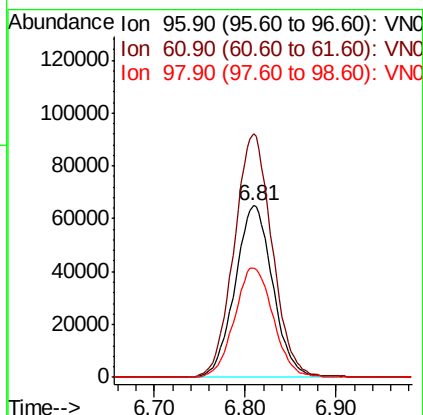
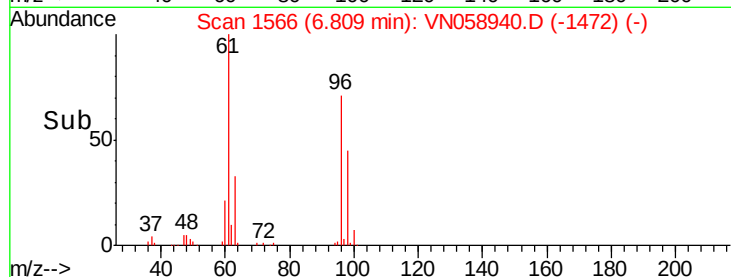
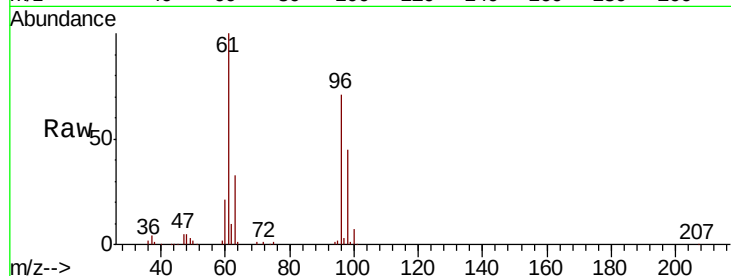
Tot Ion: 96 Resp: 187487

Ion Ratio Lower Upper

96 100

61 142.2 0.0 325.0

98 65.1 0.0 128.0



#29

Tetrahydrofuran

Concen: 0.535 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

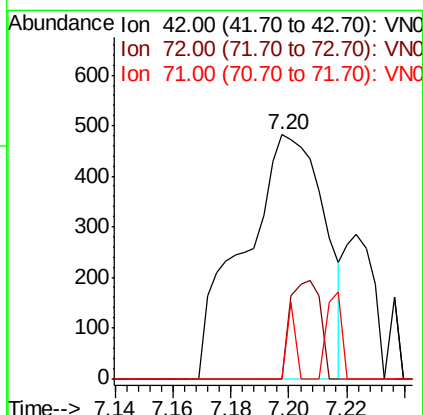
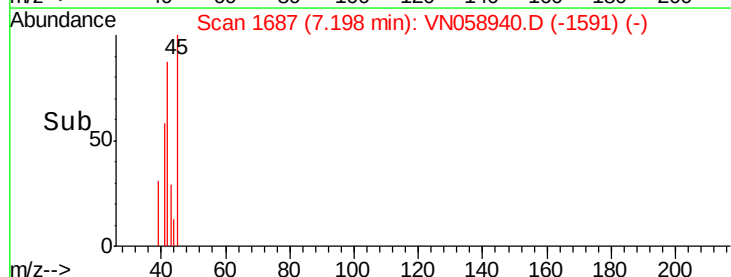
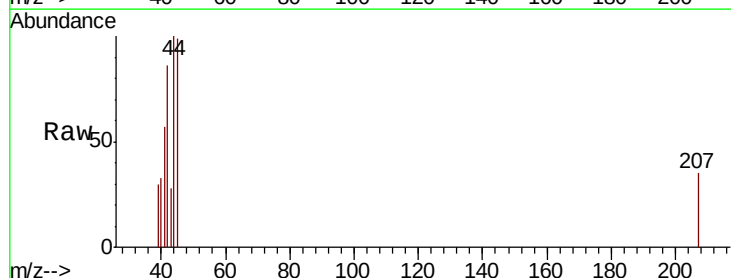
Tgt Ion: 42 Resp: 932

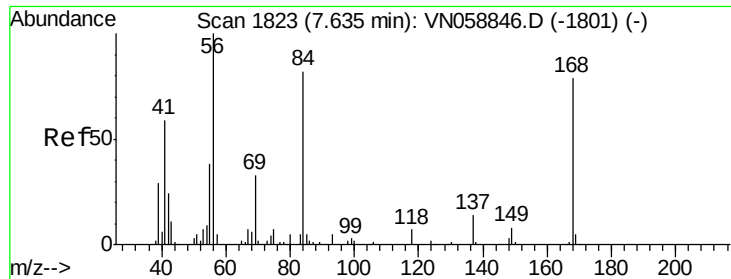
Ion Ratio Lower Upper

42 100

72 14.6 32.2 48.2#

71 3.1 30.6 45.8#

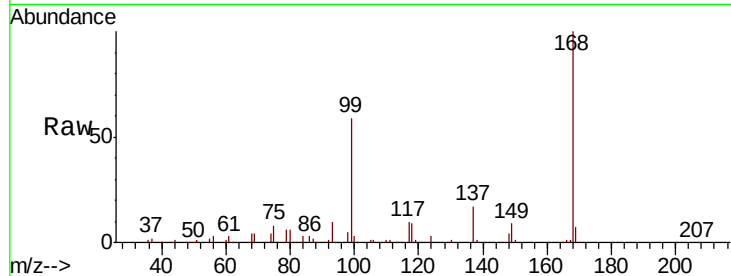




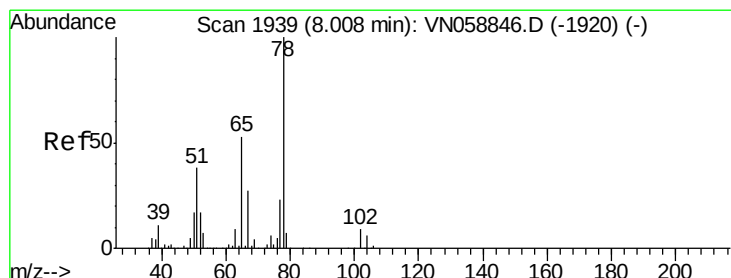
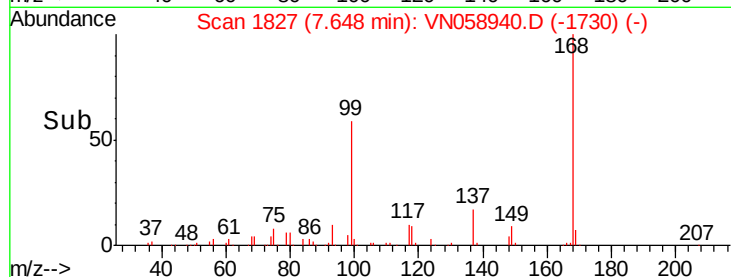
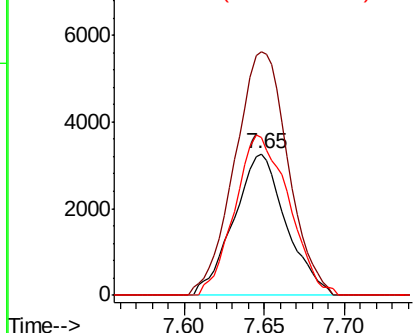
#31  
Cyclohexane  
Concen: 1.143 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. 0.01 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Instrument :  
MSVOA\_N  
ClientSampled :  
S32-0669

Tot Ion: 56 Resp: 7294  
Ion Ratio Lower Upper  
56 100  
69 171.8 26.2 39.4#  
84 111.7 65.6 98.4#

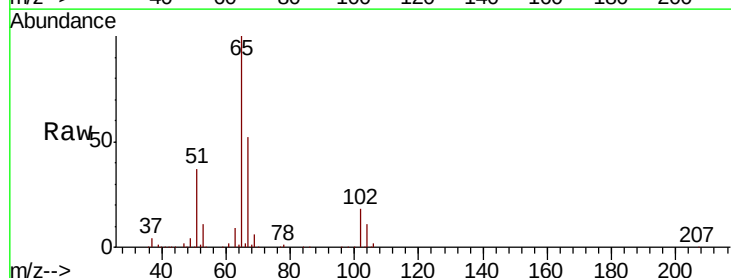


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

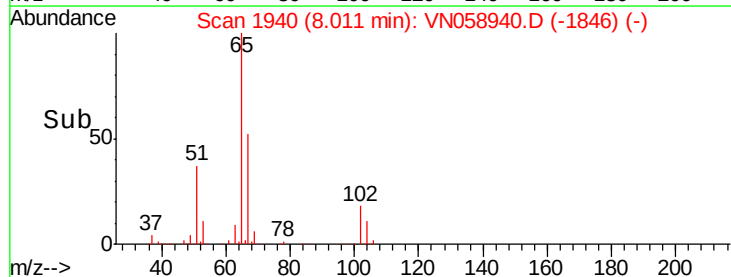
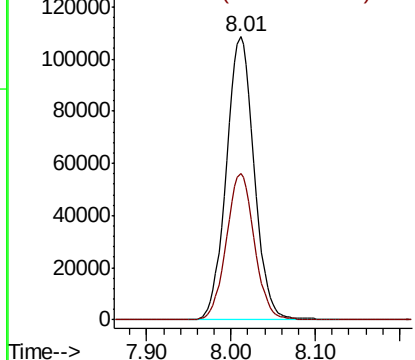


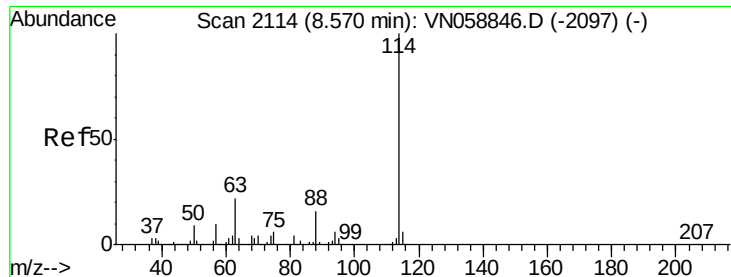
#33  
1,2-Dichloroethane-d4  
Concen: 56.113 ug/l  
RT: 8.01 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion: 65 Resp: 249184  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 103.2



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

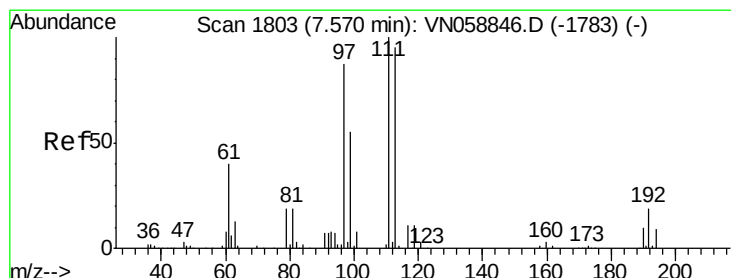
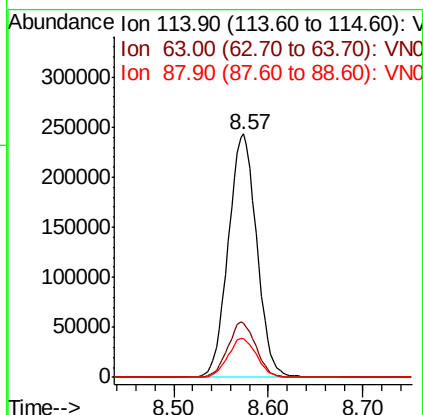
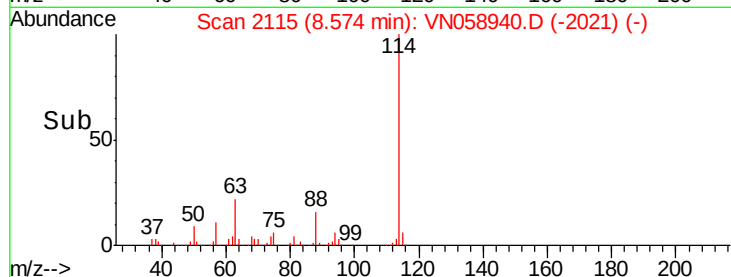
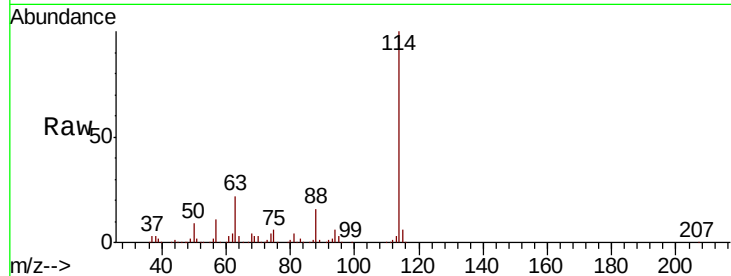




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

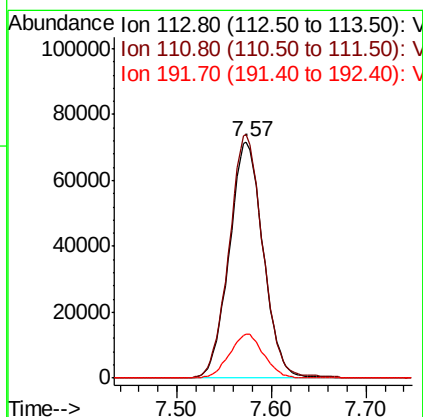
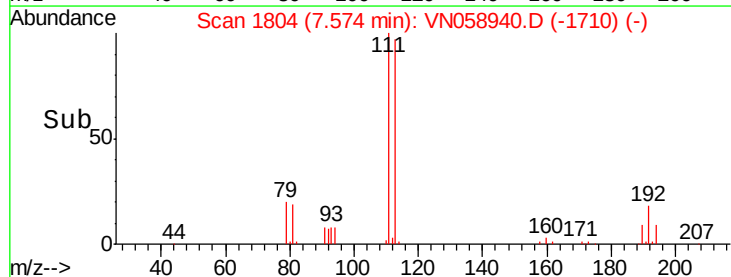
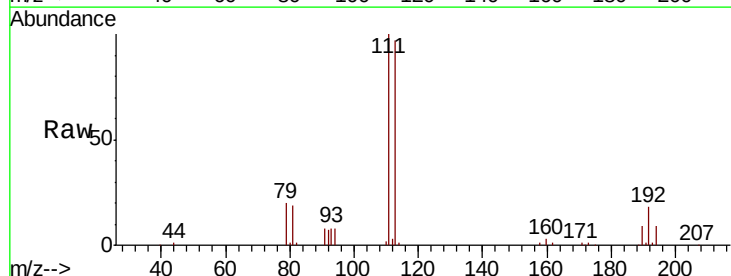
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S32-0669

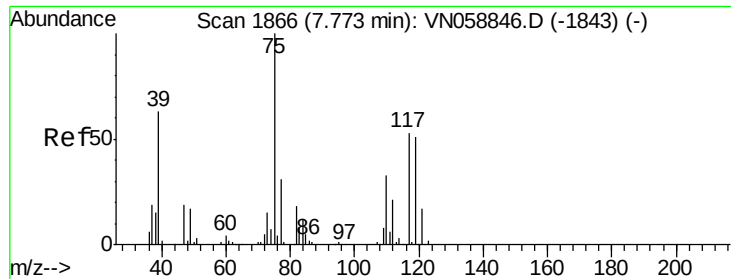
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.5  | 0.0   | 44.4  |
| 88      | 15.9  | 0.0   | 31.4  |



#35  
 Dibromofluoromethane  
 Concen: 53.577 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.0  | 123.0 |
| 192     | 18.7  | 15.0  | 22.6  |

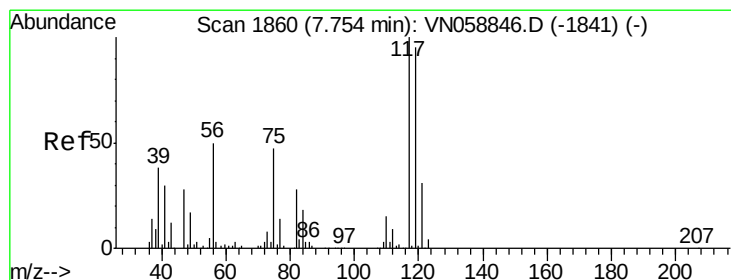
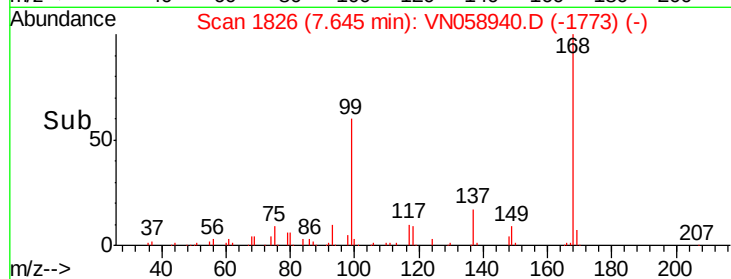
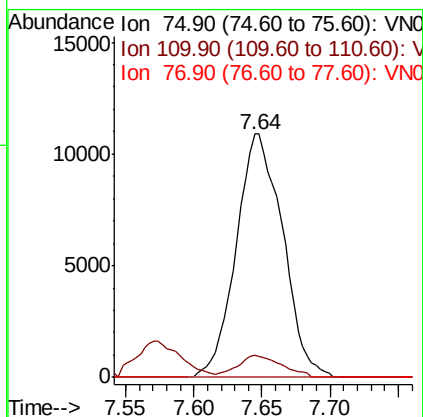
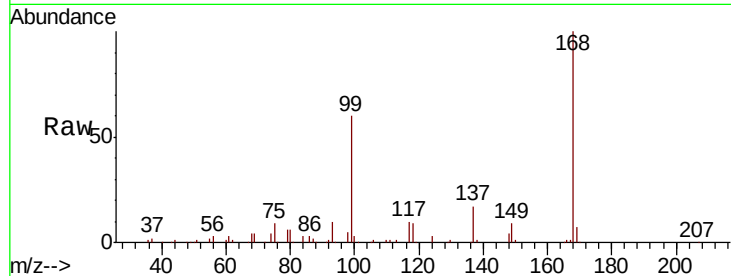




#36  
 1,1-Dichloropropene  
 Concen: 4.966 ug/l  
 RT: 7.64 min Scan# 1826  
 Delta R.T. -0.13 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

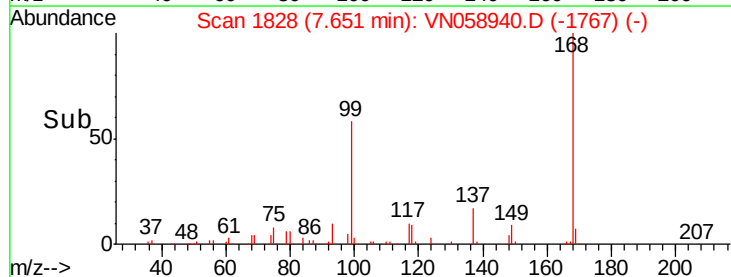
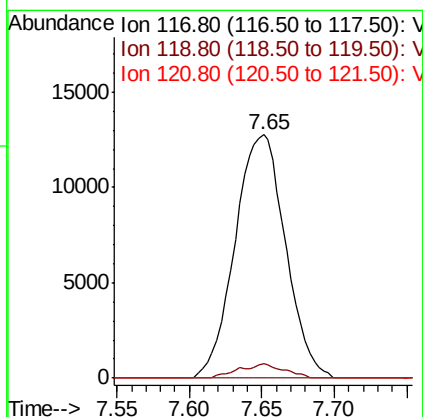
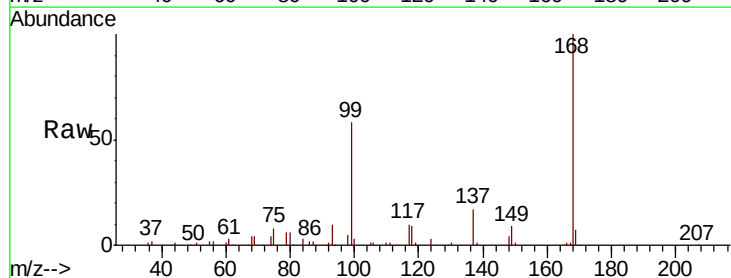
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 S32-0669

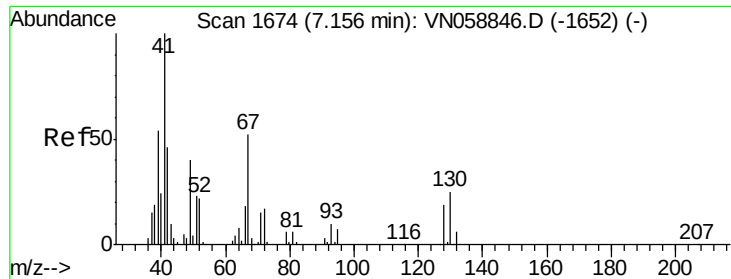
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 16.3  | 48.9# |
| 77      | 0.0   | 24.6  | 36.8# |



#38  
 Carbon Tetrachloride  
 Concen: 5.766 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.10 min  
 Lab File: VN058940.D  
 Acq: 23 Oct 2019 19:04

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.9   | 75.7  | 113.5# |
| 121     | 0.0   | 25.0  | 37.6#  |

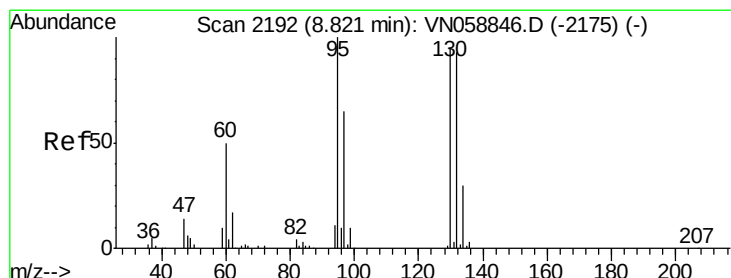
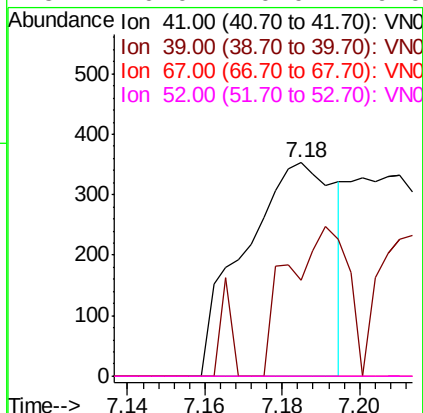
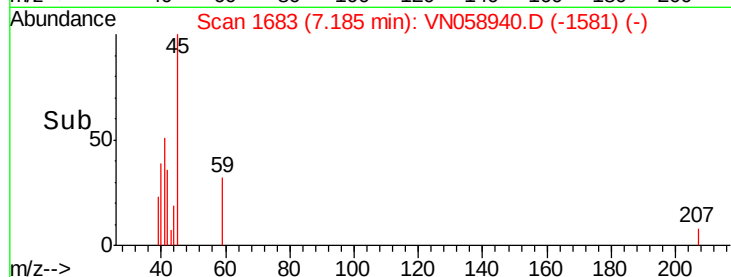
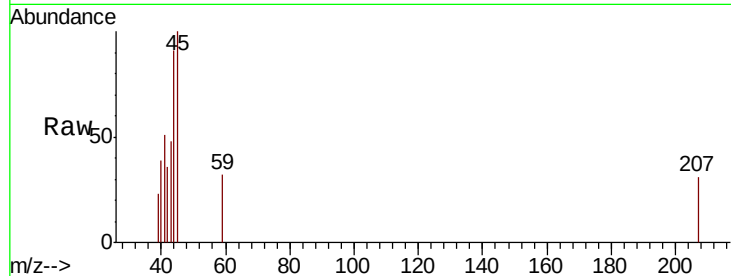




#41  
Methacrylonitrile  
Concen: 0.228 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. 0.03 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

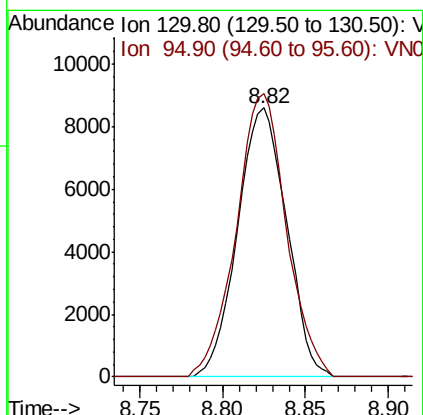
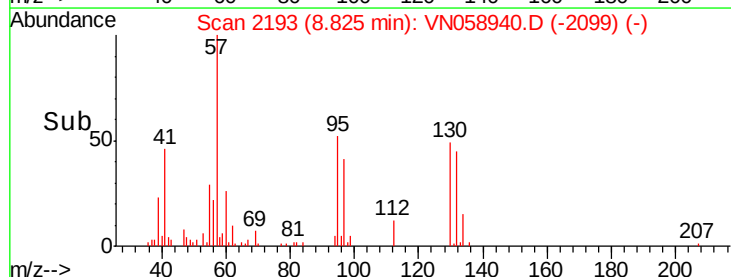
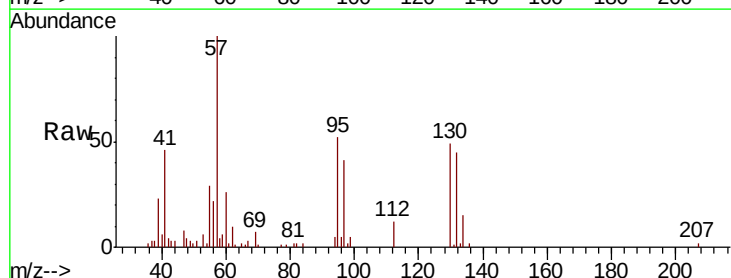
Instrument :  
MSVOA\_N  
ClientSampled :  
S32-0669

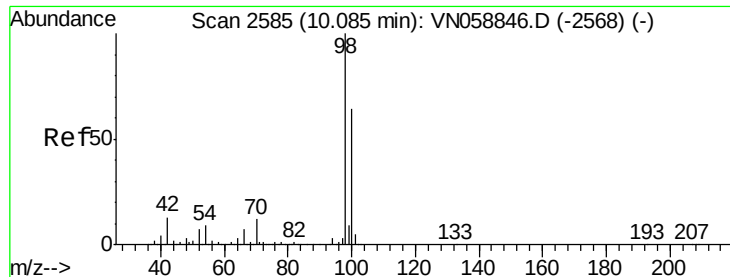
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 575   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 46.3  | 0.0   | 0.0#  |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



#44  
Trichloroethene  
Concen: 4.749 ug/l  
RT: 8.82 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 17654 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 105.3 | 0.0   | 209.6 |





#50

Toluene-d8

Concen: 48.969 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampleId :

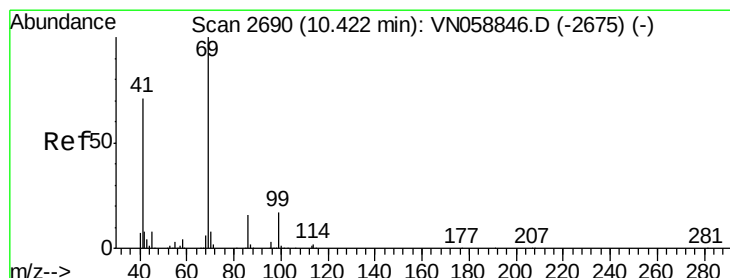
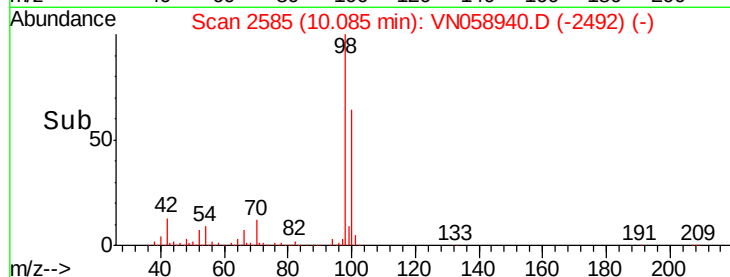
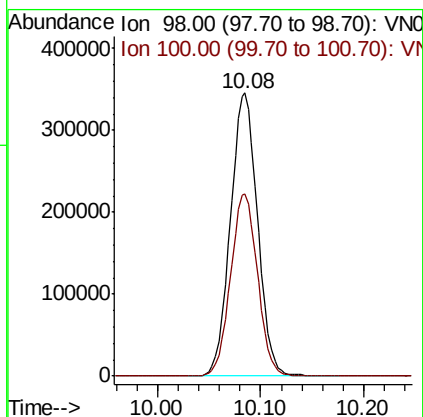
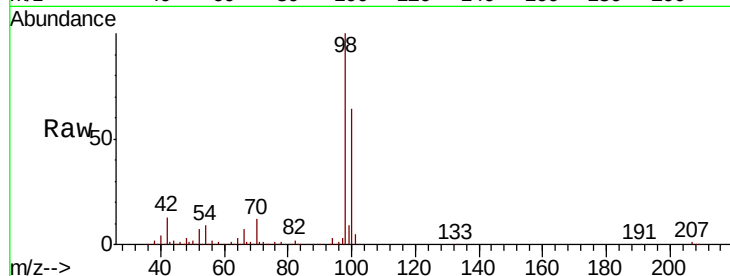
S32-0669

Tot Ion: 98 Resp: 634437

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2



#56

Ethyl methacrylate

Concen: 2.103 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. -0.07 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

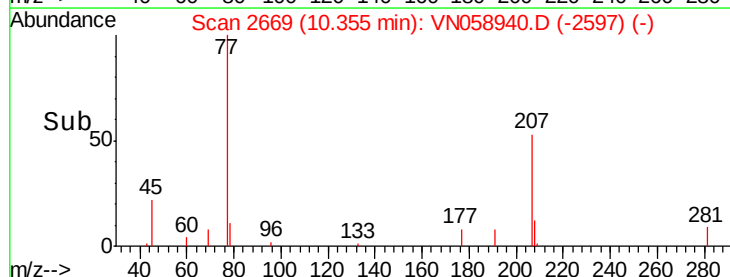
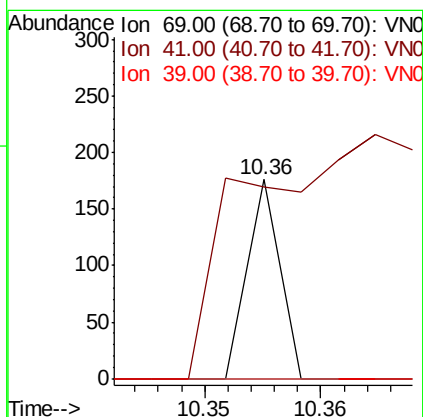
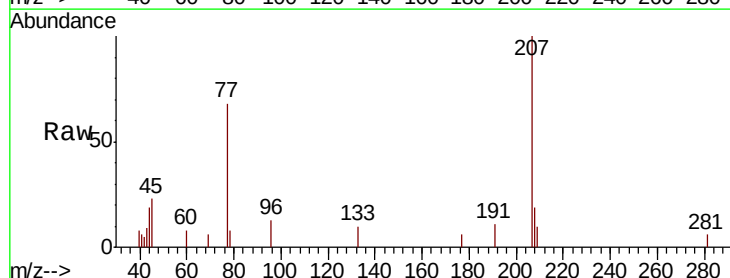
Tgt Ion: 69 Resp: 34

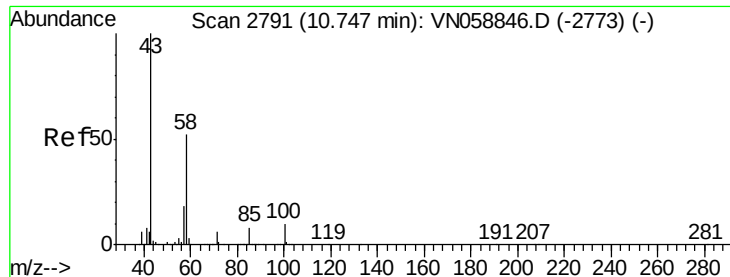
Ion Ratio Lower Upper

69 100

41 735.3 57.2 85.8#

39 0.0 31.0 46.4#

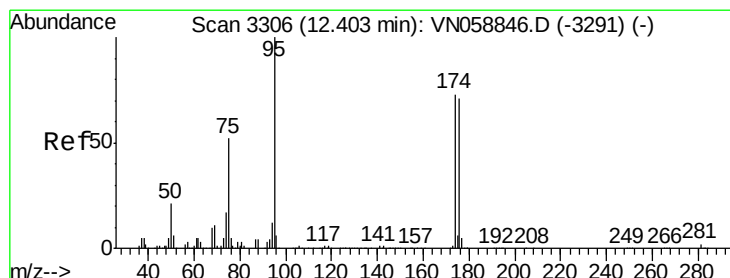
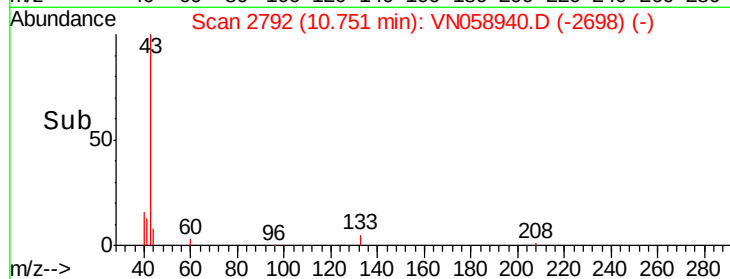
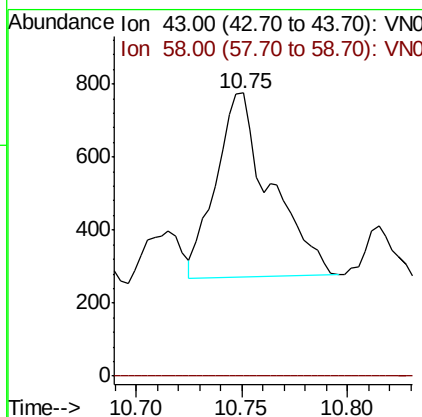
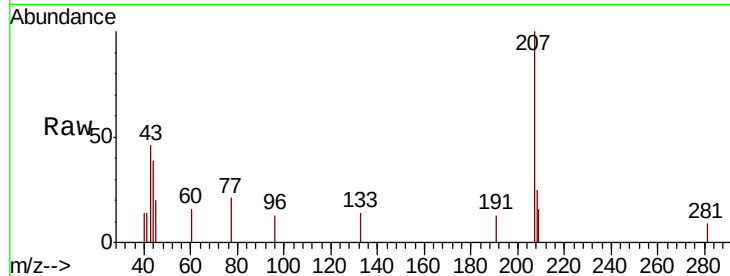




#59  
2-Hexanone  
Concen: 0.221 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

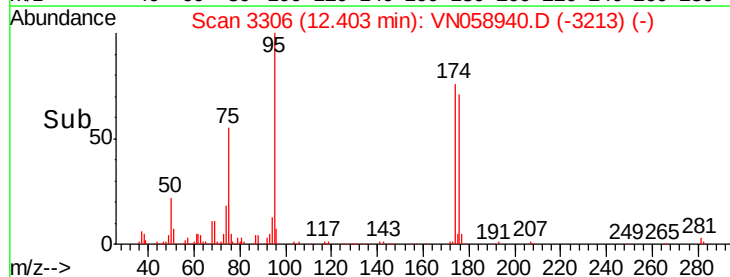
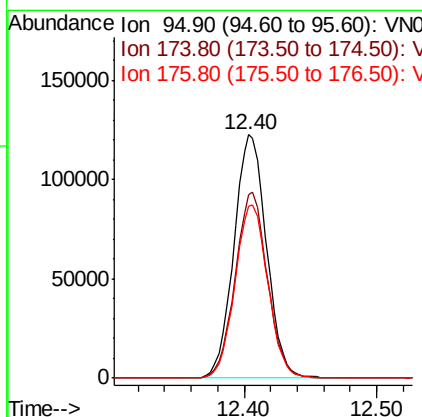
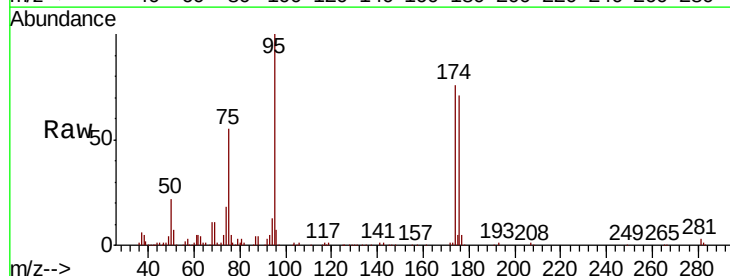
Instrument :  
MSVOA\_N  
ClientSampled :  
S32-0669

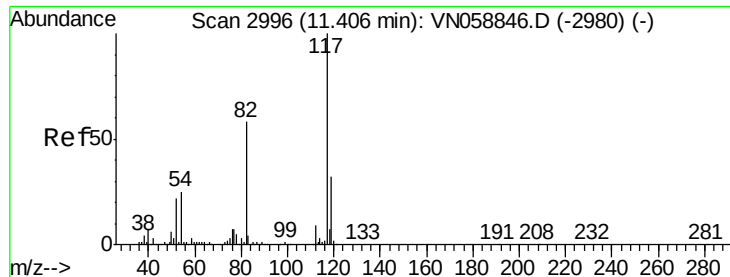
Tot Ion: 43 Resp: 907  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.9 77.7#



#62  
4-Bromofluorobenzene  
Concen: 43.928 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion: 95 Resp: 208998  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 147.6  
176 71.9 0.0 143.2

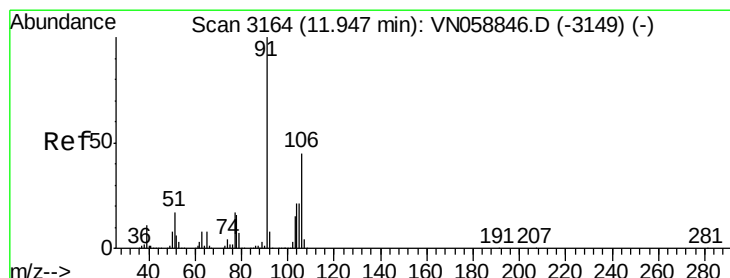
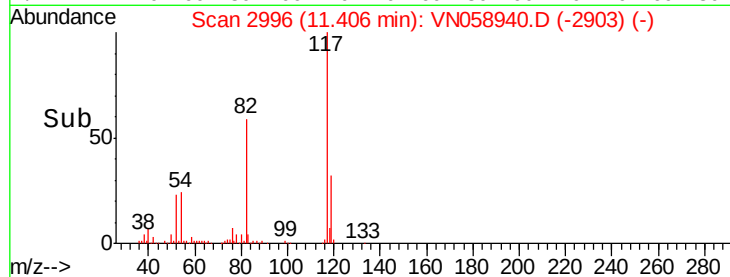
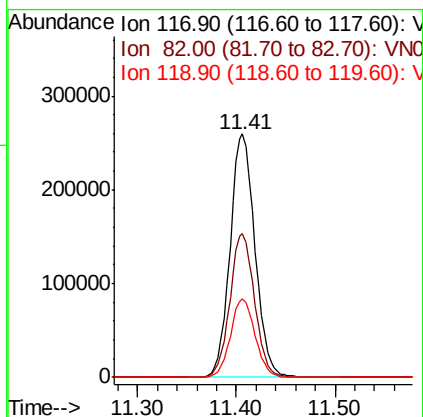
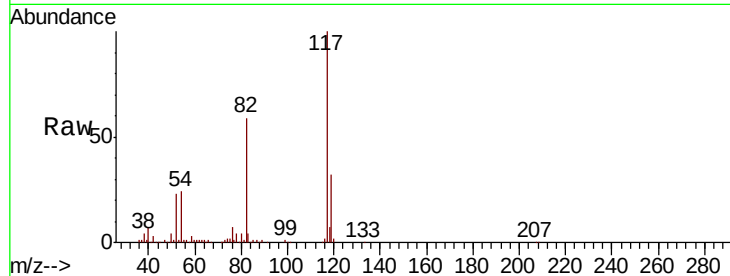




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

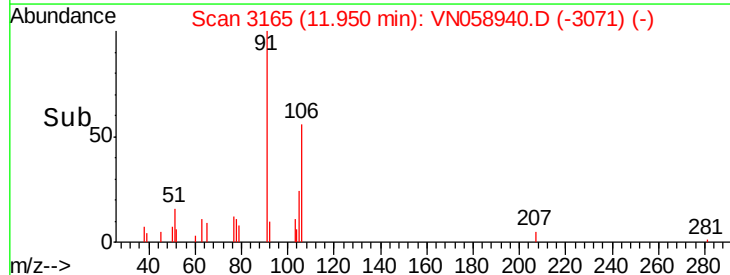
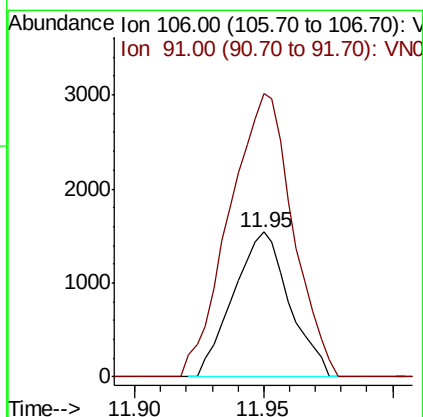
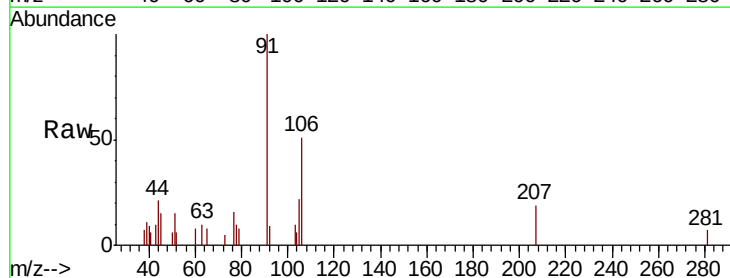
Instrument :  
MSVOA\_N  
ClientSampleId :  
S32-0669

Tot Ion:117 Resp: 456784  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.6 69.8  
119 32.1 25.6 38.4

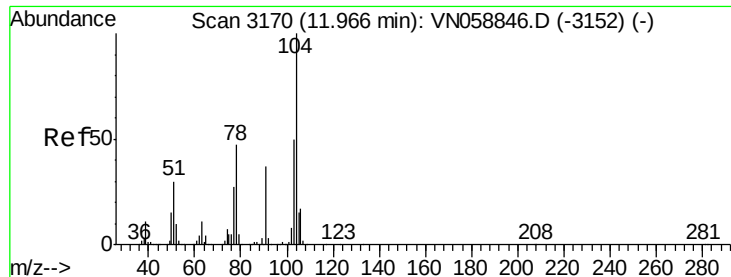


#69  
o-Xylene  
Concen: 0.404 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion:106 Resp: 2332  
Ion Ratio Lower Upper  
106 100  
91 221.4 111.5 334.4



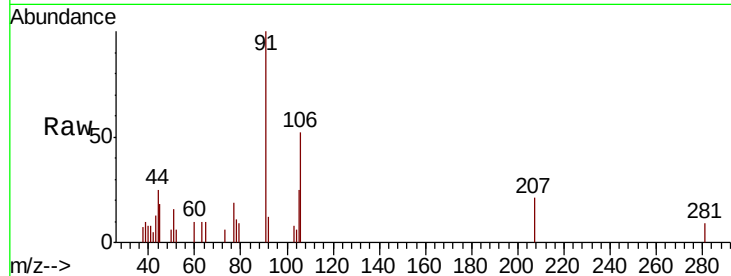




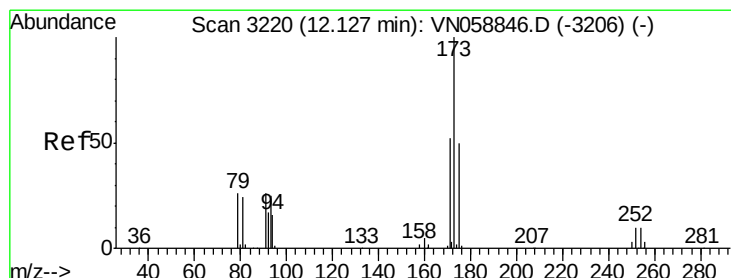
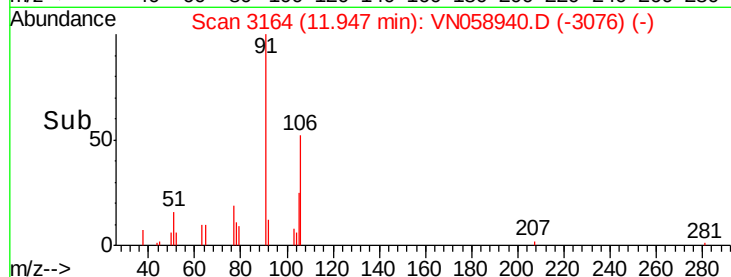
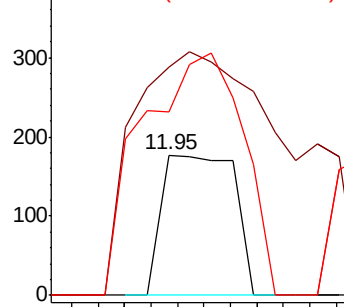
#70  
Stvrene  
Concen: 1.726 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.02 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Instrument :  
MSVOA\_N  
ClientSampled :  
S32-0669

Tot Ion:104 Resp: 134  
Ion Ratio Lower Upper  
104 100  
78 379.9 42.8 64.2#  
103 241.0 44.3 66.5#

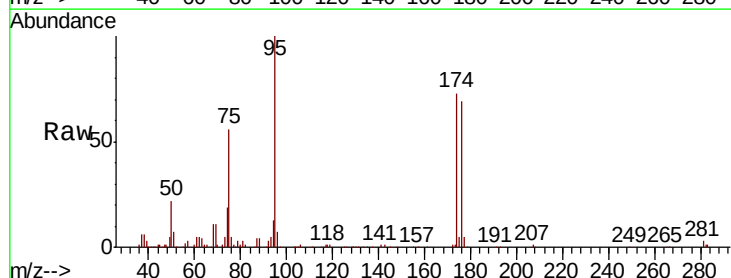


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V

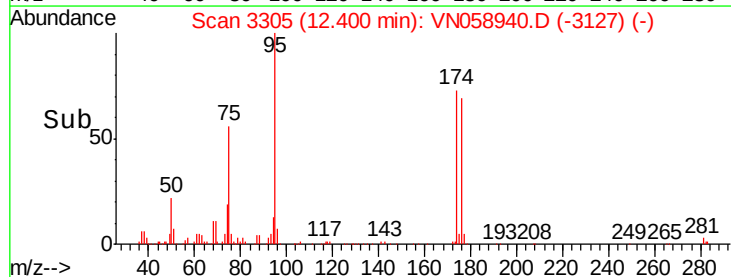
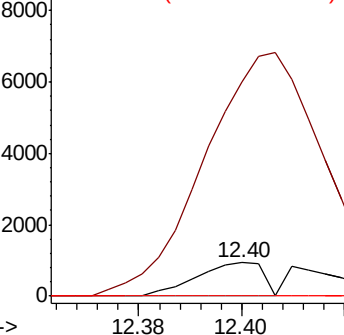


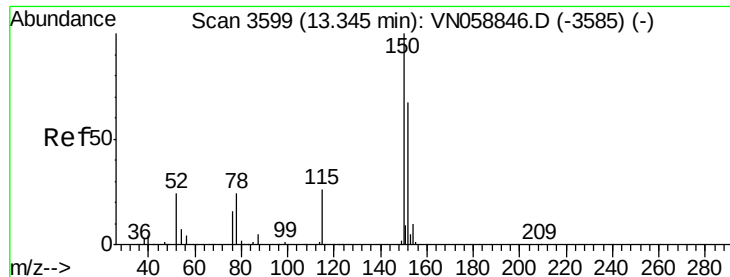
#71  
Bromoform  
Concen: 0.305 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion:173 Resp: 830  
Ion Ratio Lower Upper  
173 100  
175 1093.5 24.7 74.1#  
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



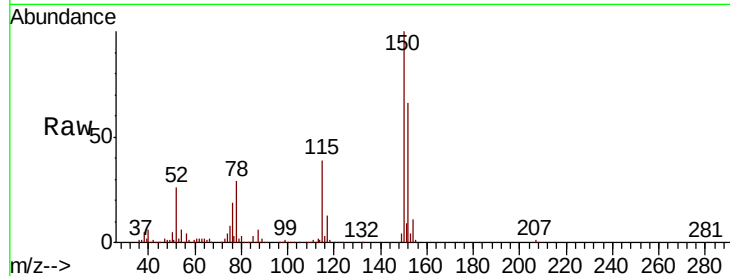


#72

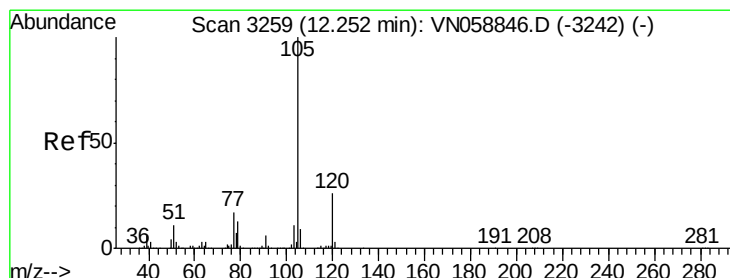
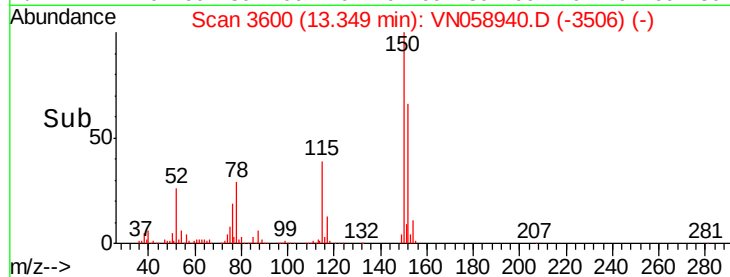
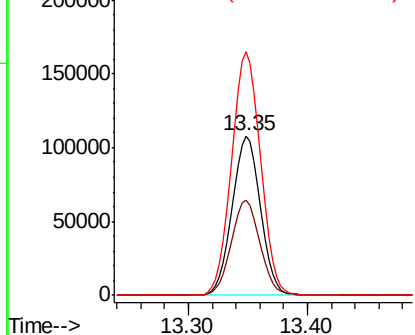
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Instrument :  
MSVOA\_N  
ClientSampled :  
S32-0669

Tot Ion:152 Resp: 178632  
Ion Ratio Lower Upper  
152 100  
115 60.8 30.5 91.5  
150 155.8 0.0 344.4



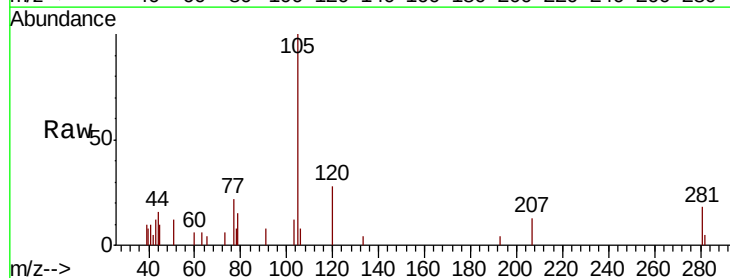
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



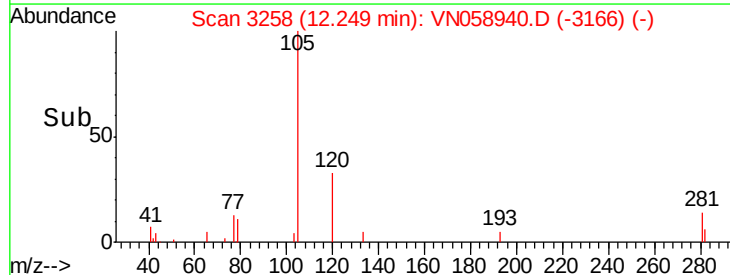
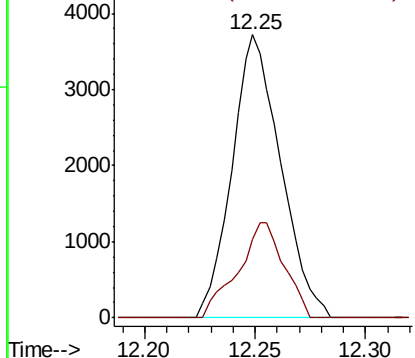
#73

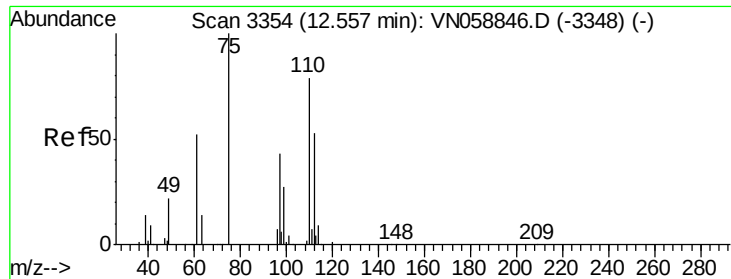
Isopropylbenzene  
Concen: 0.435 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN058940.D  
Acq: 23 Oct 2019 19:04

Tgt Ion:105 Resp: 5677  
Ion Ratio Lower Upper  
105 100  
120 31.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 27.021 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampled :

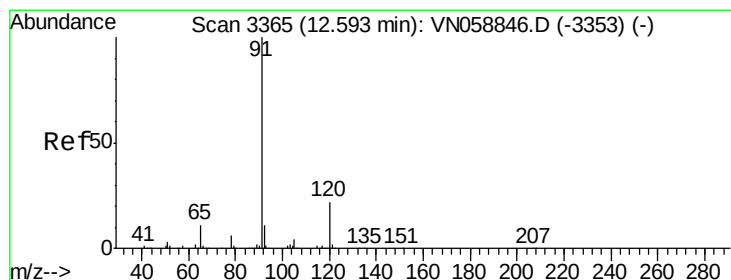
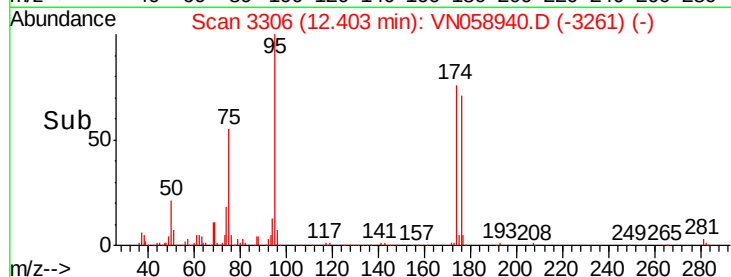
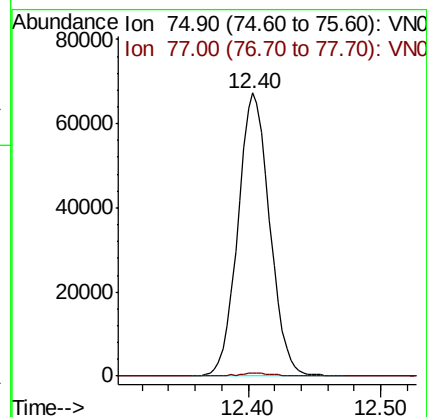
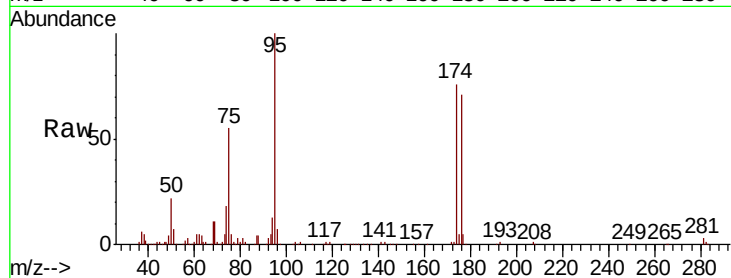
S32-0669

Tot Ion: 75 Resp: 111868

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#78

n-propylbenzene

Concen: 0.724 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058940.D

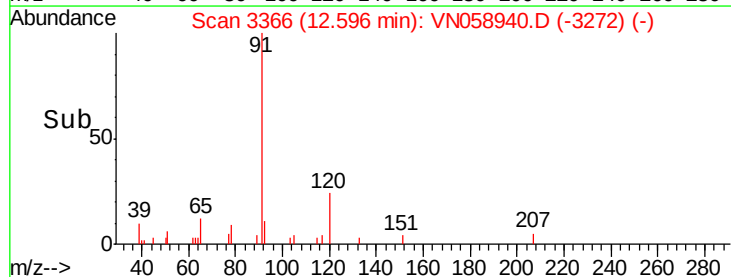
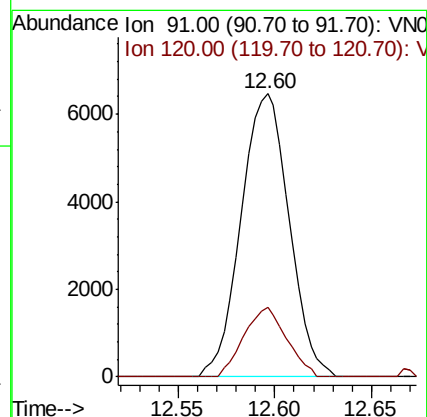
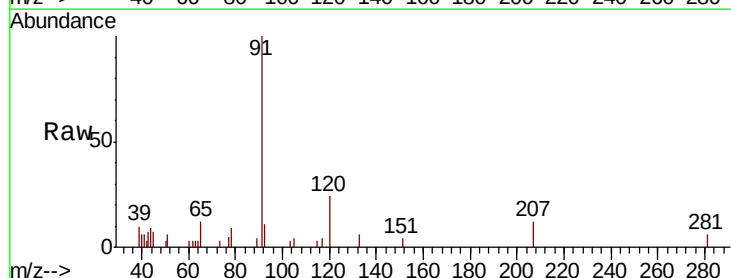
Acq: 23 Oct 2019 19:04

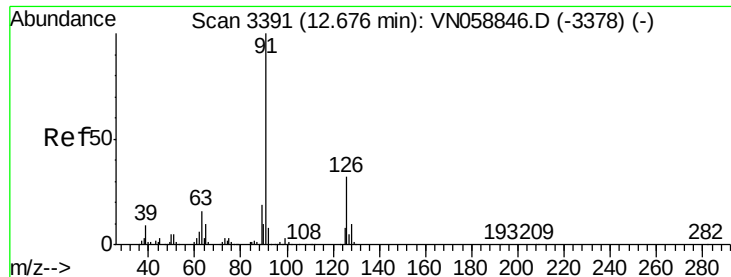
Tgt Ion: 91 Resp: 11170

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.1





#79

2-Chlorotoluene

Concen: 1.183 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampleId :

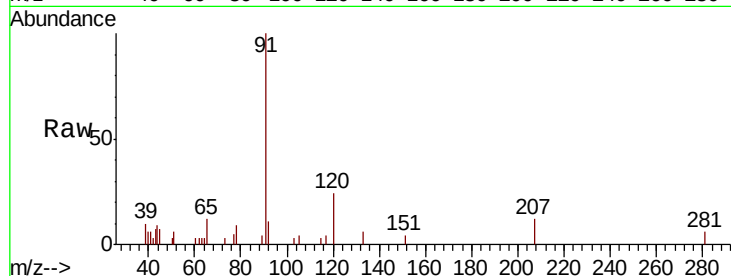
S32-0669

Tot Ion: 91 Resp: 11170

Ion Ratio Lower Upper

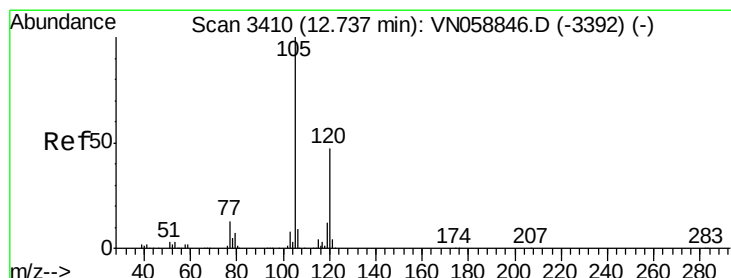
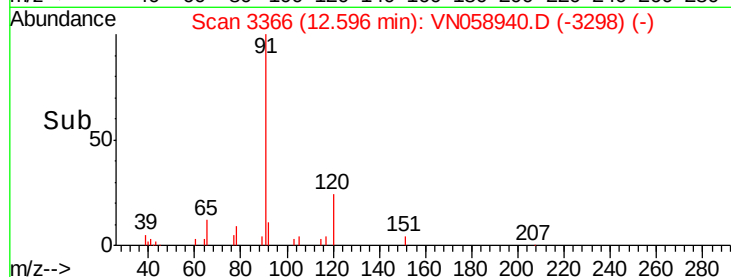
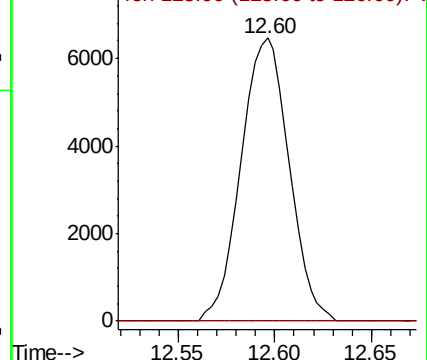
91 100

126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.593 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.16 min

Lab File: VN058940.D

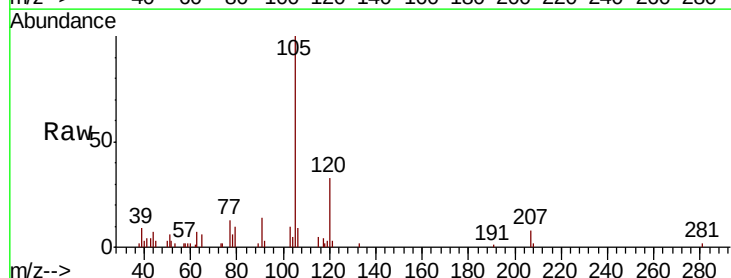
Acq: 23 Oct 2019 19:04

Tgt Ion:105 Resp: 17475

Ion Ratio Lower Upper

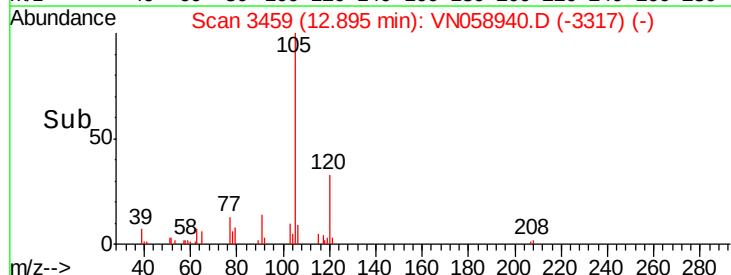
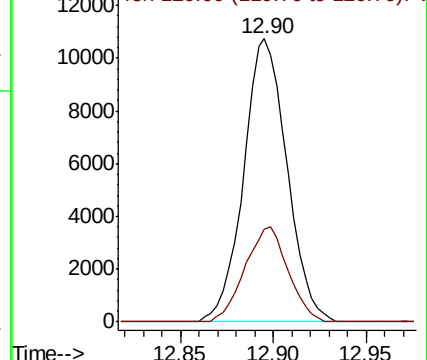
105 100

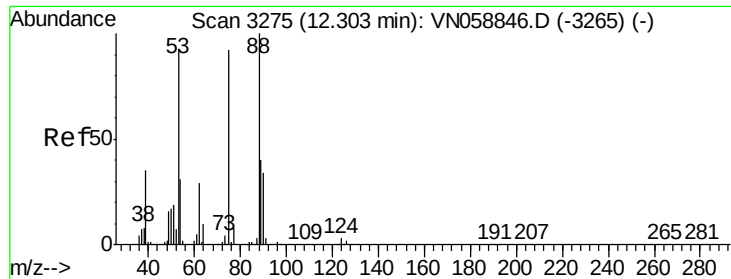
120 33.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampled :

S32-0669

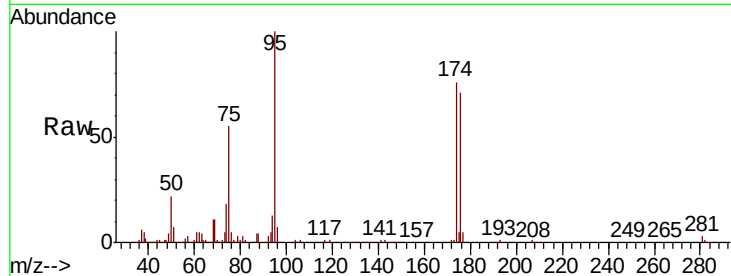
Tot Ion: 75 Resp: 111868

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

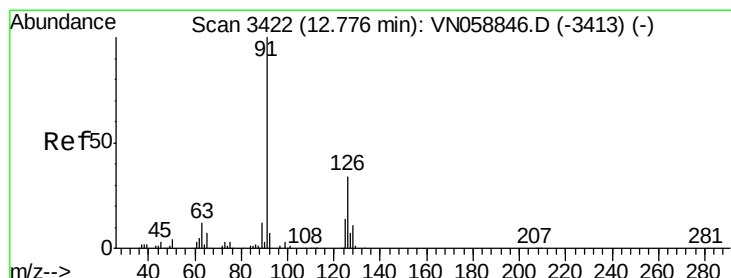
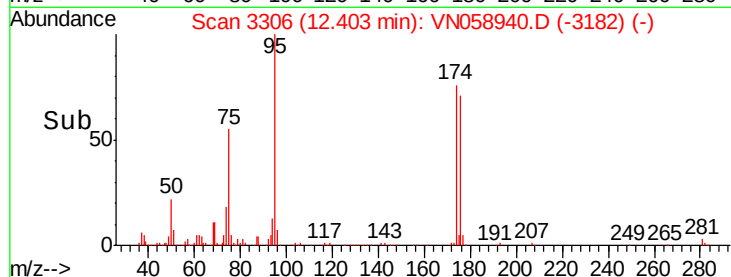
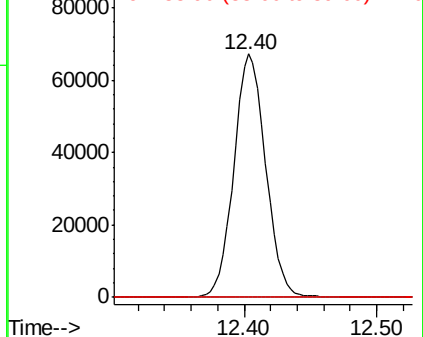
89 0.0 35.4 53.0#



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



#82

4-Chlorotoluene

Concen: 0.244 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.12 min

Lab File: VN058940.D

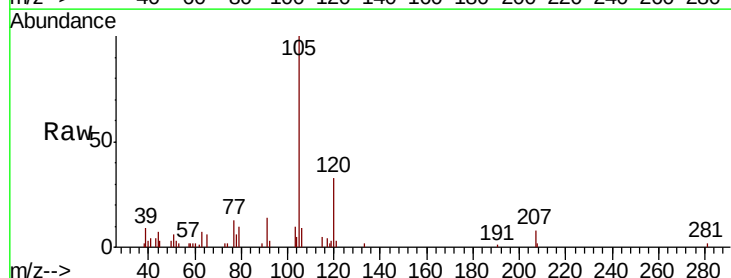
Acq: 23 Oct 2019 19:04

Tgt Ion: 91 Resp: 2352

Ion Ratio Lower Upper

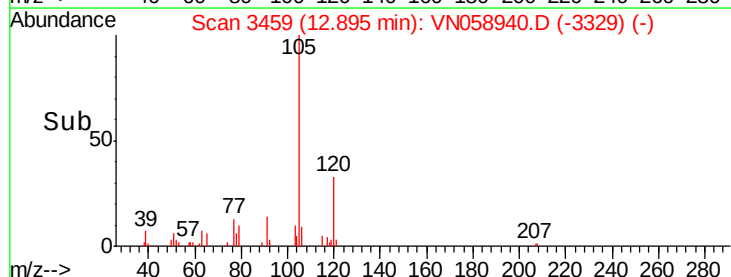
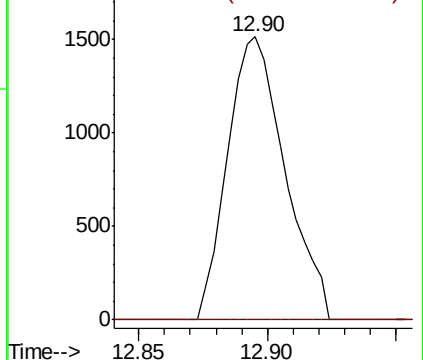
91 100

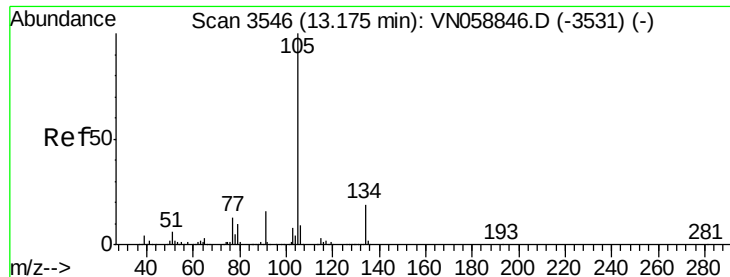
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#85

sec-Butylbenzene

Concen: 0.683 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampleId :

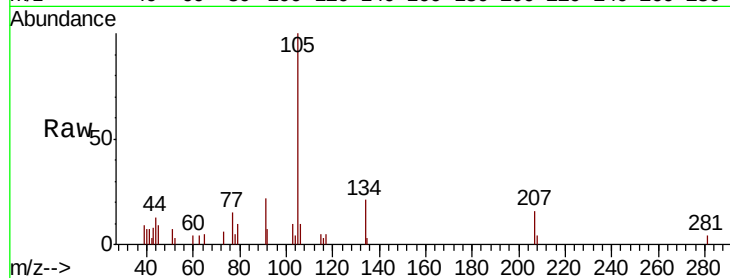
S32-0669

Tot Ion:105 Resp: 8537

Ion Ratio Lower Upper

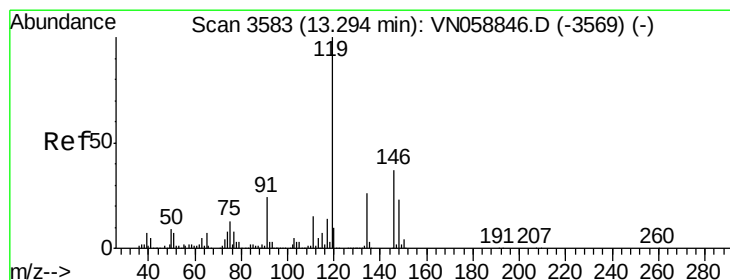
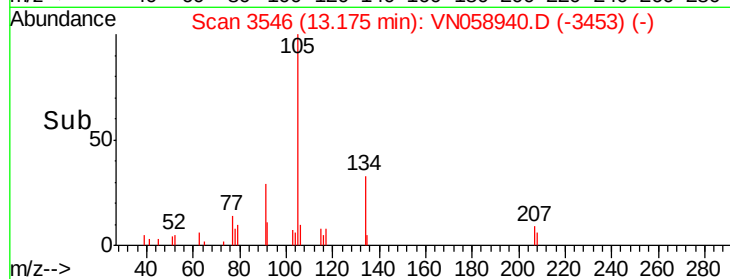
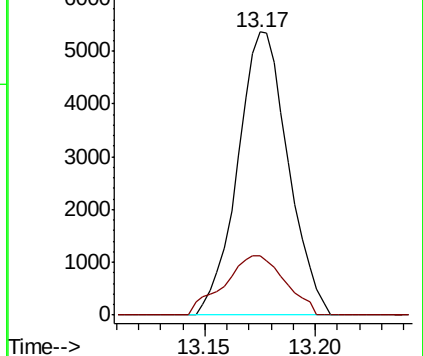
105 100

134 25.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.272 ug/l

RT: 13.45 min Scan# 3632

Delta R.T. 0.16 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

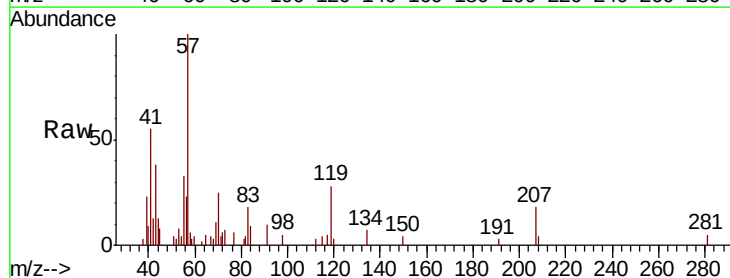
Tgt Ion:119 Resp: 3005

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

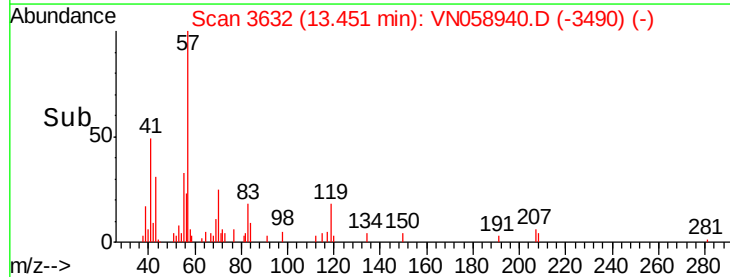
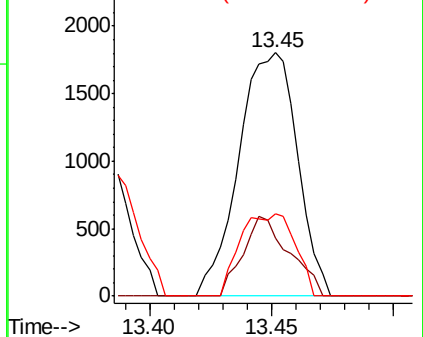
91 31.7 12.2 36.4

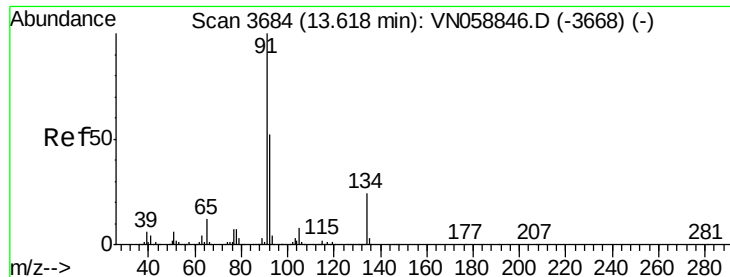


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.215 ug/l

RT: 13.63 min Scan# 3686

Delta R.T. 0.01 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampled :

S32-0669

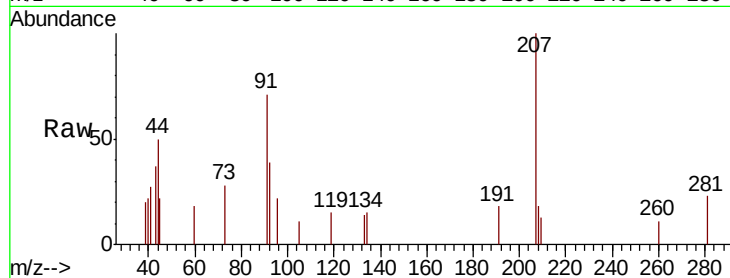
Tot Ion: 91 Resp: 2182

Ion Ratio Lower Upper

91 100

92 34.3 25.7 77.1

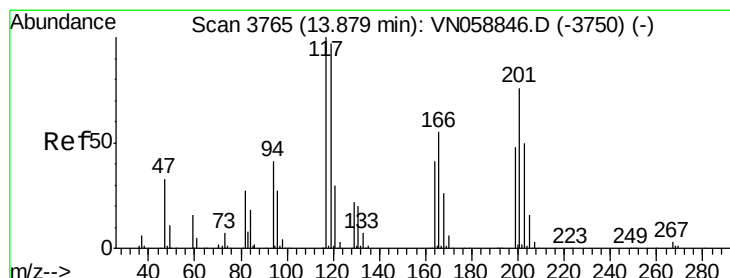
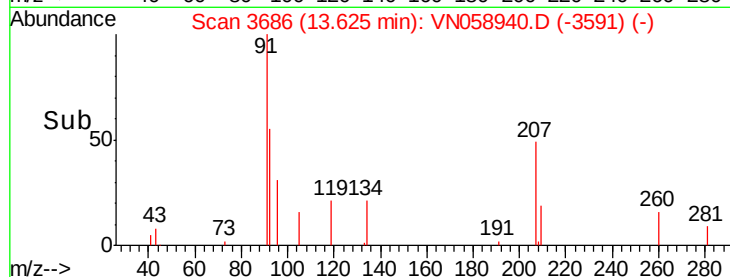
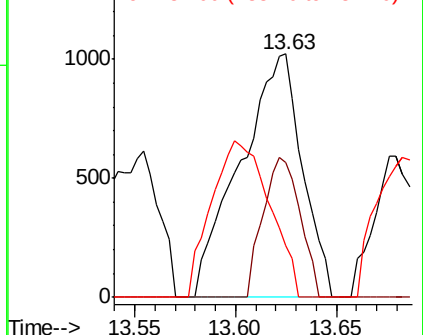
134 0.0 11.9 35.5#



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): V



#90

Hexachloroethane

Concen: 1.820 ug/l

RT: 13.95 min Scan# 3788

Delta R.T. 0.07 min

Lab File: VN058940.D

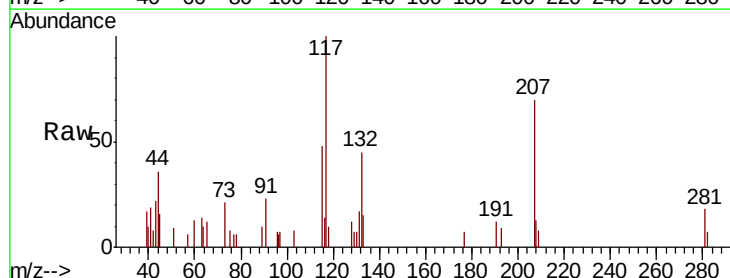
Acq: 23 Oct 2019 19:04

Tgt Ion: 117 Resp: 4069

Ion Ratio Lower Upper

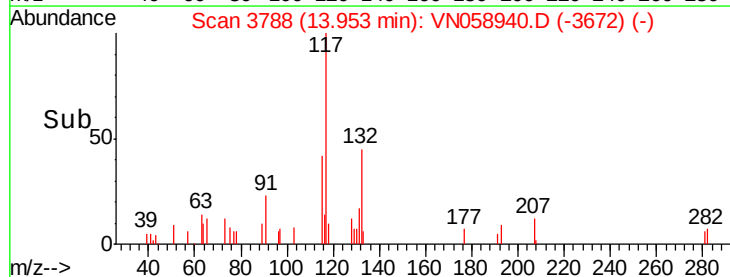
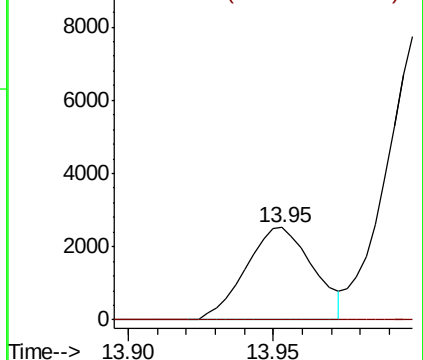
117 100

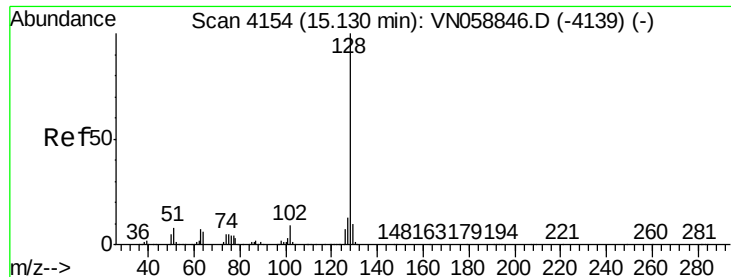
201 0.0 38.9 116.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 2.308 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058940.D

Acq: 23 Oct 2019 19:04

Instrument :

MSVOA\_N

ClientSampleId :

S32-0669

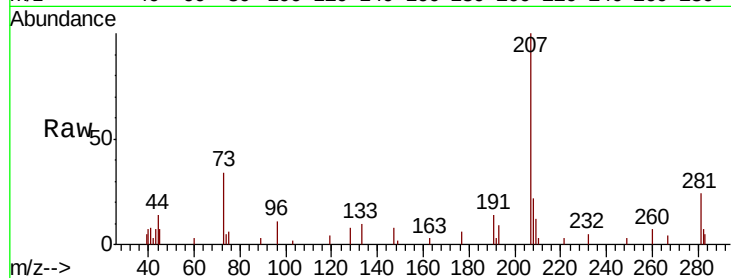
Tot Ion:128 Resp: 880

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.4 12.6#



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

