

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122921\  
 Data File : VN070342.D  
 Acq On : 29 Dec 2021 12:10  
 Operator : JC/MD  
 Sample : VN1229WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 30 01:48:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

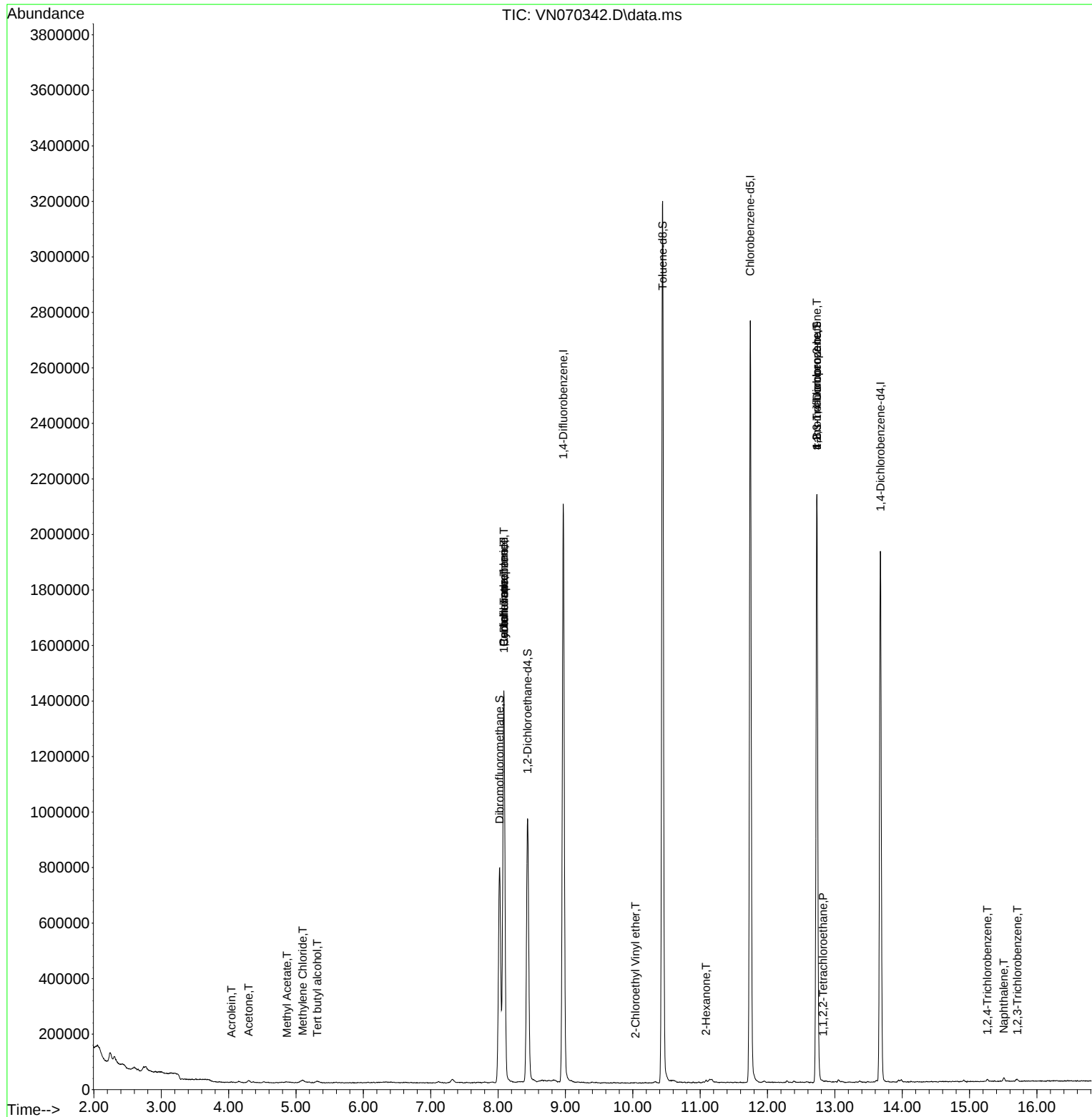
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.086  | 168   | 1066080  | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.968  | 114   | 1762831  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.744 | 117   | 1577875  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677 | 152   | 532310   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.437  | 65    | 810657   | 52.887   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | = 105.780% |          |
| 35) Dibromofluoromethane      | 8.021  | 113   | 573946   | 53.811   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | = 107.620% |          |
| 50) Toluene-d8                | 10.443 | 98    | 2190389  | 50.271   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | = 100.540% |          |
| 62) 4-Bromofluorobenzene      | 12.733 | 95    | 767691   | 48.782   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | = 97.560%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.315  | 59    | 2984     | 1.169    | ug/l #     | 71       |
| 13) Acrolein                  | 4.041  | 56    | 1020     | 0.493    | ug/l       | 96       |
| 16) Acetone                   | 4.296  | 43    | 8190     | 0.823    | ug/l #     | 87       |
| 18) Methyl Acetate            | 4.867  | 43    | 5960     | 0.207    | ug/l #     | 72       |
| 20) Methylene Chloride        | 5.098  | 84    | 5870     | 0.426    | ug/l #     | 85       |
| 31) Cyclohexane               | 8.086  | 56    | 24421    | 1.010    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.088  | 75    | 86861    | 4.923    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 8.086  | 117   | 106391   | 6.315    | ug/l #     | 17       |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63    | 52       | 18.522   | ug/l #     | 45       |
| 59) 2-Hexanone                | 11.087 | 43    | 6427     | 0.389    | ug/l       | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.825 | 83    | 1077     | 0.506    | ug/l #     | 93       |
| 76) 1,2,3-Trichloropropane    | 12.733 | 75    | 403839   | 26.959   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.733 | 75    | 403839   | 92.690   | ug/l #     | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180   | 2990     | 0.341    | ug/l       | 89       |
| 95) Naphthalene               | 15.507 | 128   | 11407    | 2.250    | ug/l #     | 88       |
| 96) 1,2,3-Trichlorobenzene    | 15.708 | 180   | 3335     | 1.217    | ug/l       | 67       |
| -----                         |        |       |          |          |            |          |

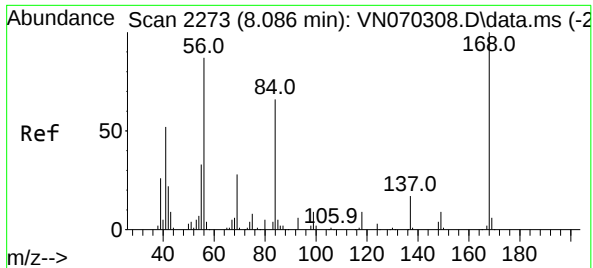
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122921\  
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Sample : VN1229WBL01  
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ALS Vial : 4 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :

Quant Time: Dec 30 01:48:48 2021  
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Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration

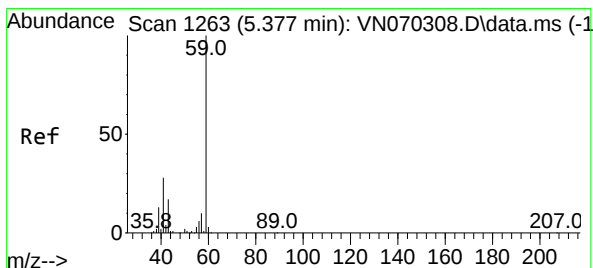
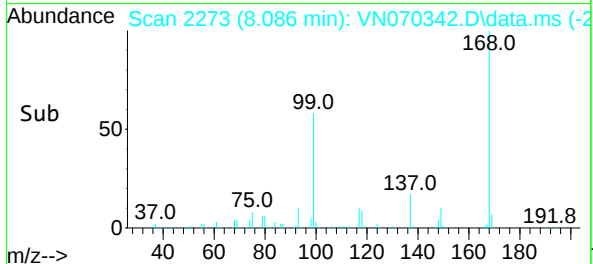
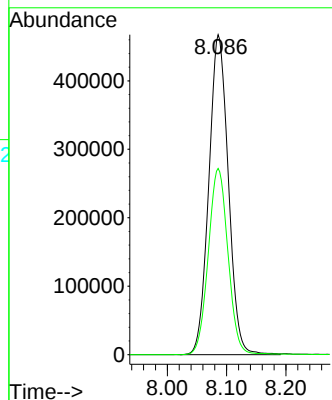
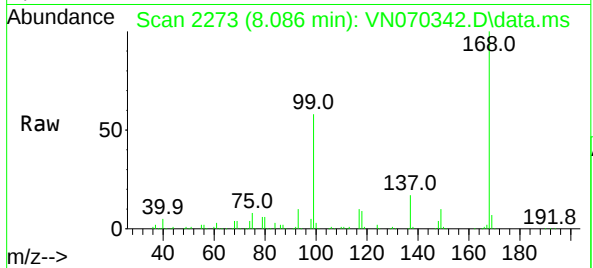




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

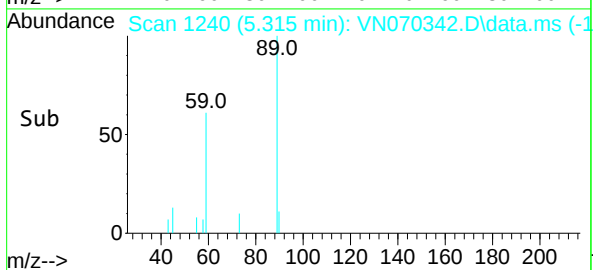
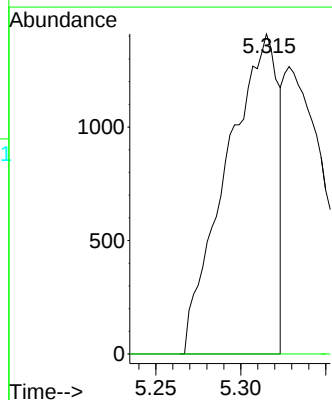
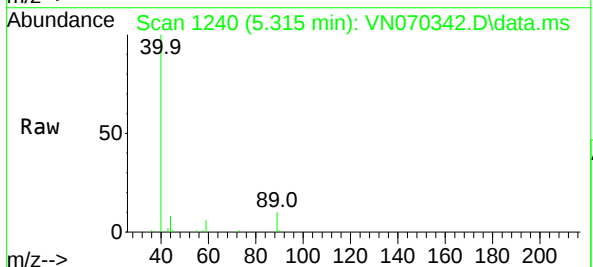
Instrument :  
MSVOA\_N  
ClientSampleId :

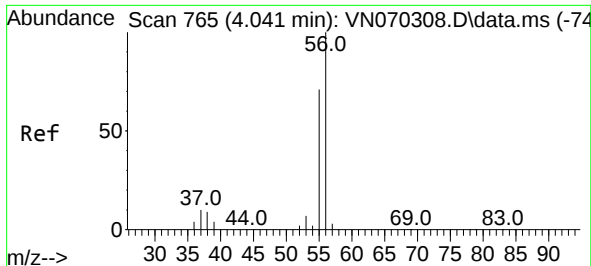
Tgt Ion:168 Resp: 1066080  
Ion Ratio Lower Upper  
168 100  
99 58.2 41.3 61.9



#11  
Tert butyl alcohol  
Concen: 1.169 ug/l  
RT: 5.315 min Scan# 1240  
Delta R.T. -0.062 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

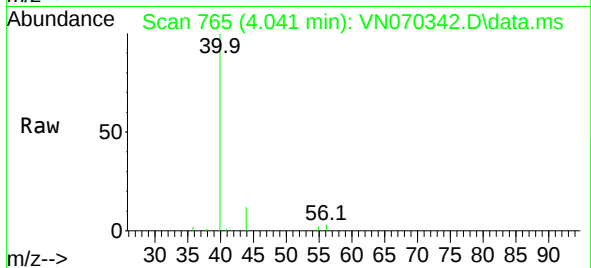
Tgt Ion: 59 Resp: 2984  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#



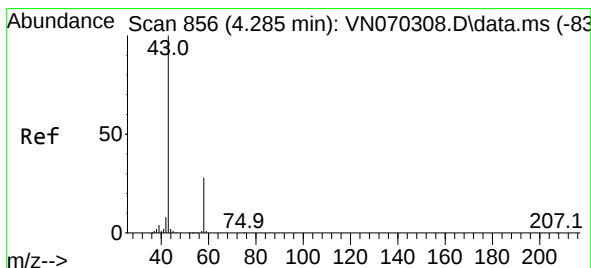
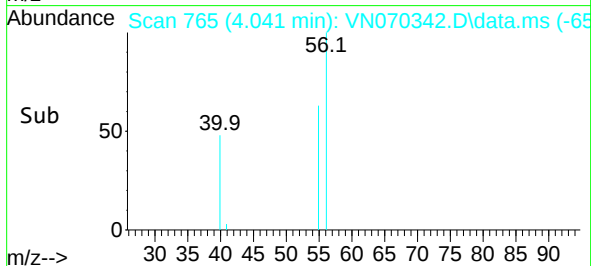
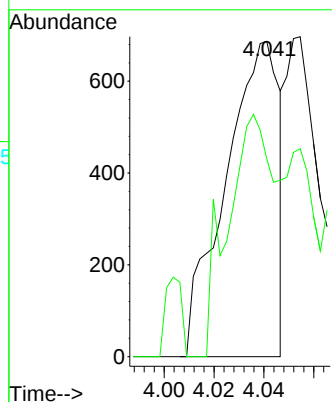


#13  
Acrolein  
Concen: 0.493 ug/l  
RT: 4.041 min Scan# 765  
Delta R.T. 0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Instrument :  
MSVOA\_N  
ClientSampleId :

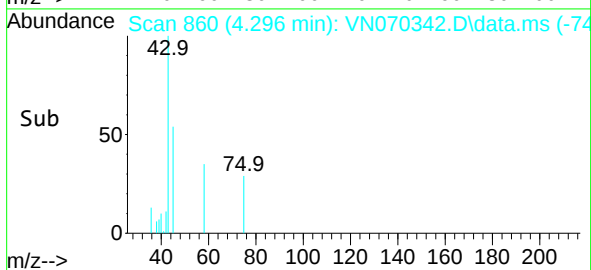
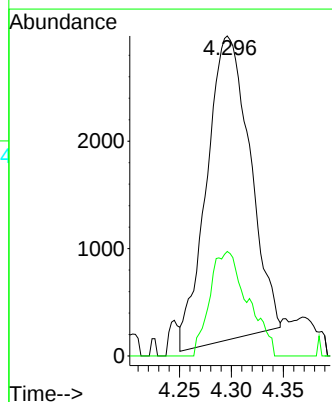
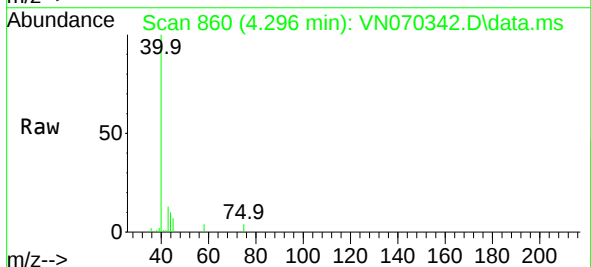


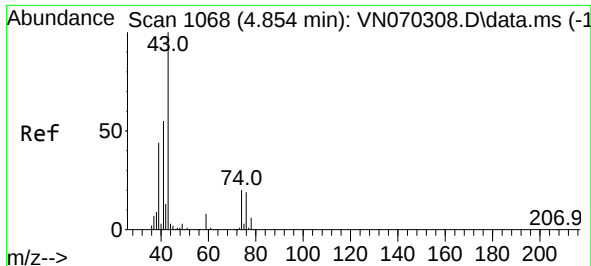
Tgt Ion: 56 Resp: 1020  
Ion Ratio Lower Upper  
56 100  
55 67.5 56.6 85.0



#16  
Acetone  
Concen: 0.823 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.011 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion: 43 Resp: 8190  
Ion Ratio Lower Upper  
43 100  
58 35.9 23.1 34.7#





#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 4.867 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VN070342.D

Acq: 29 Dec 2021 12:10

Instrument :

MSVOA\_N

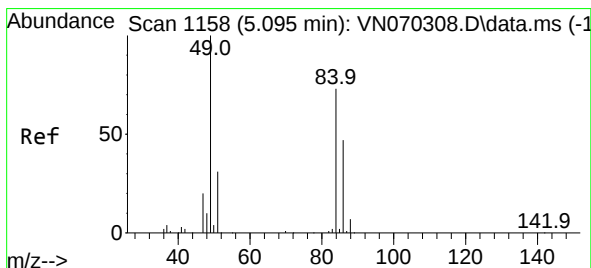
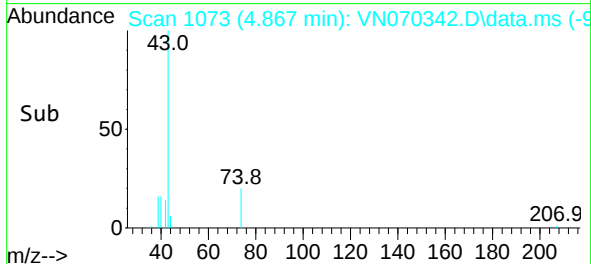
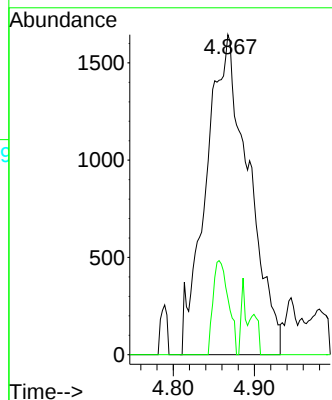
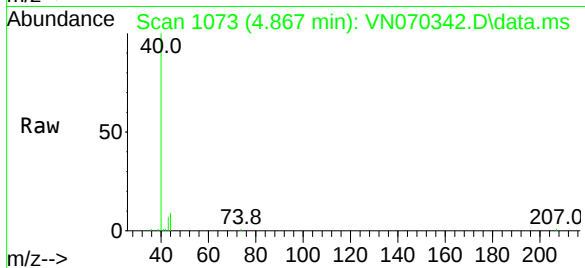
ClientSampleId :

Tgt Ion: 43 Resp: 5960

Ion Ratio Lower Upper

43 100

74 10.6 19.4 29.2#



#20

Methylene Chloride

Concen: 0.426 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070342.D

Acq: 29 Dec 2021 12:10

Tgt Ion: 84 Resp: 5870

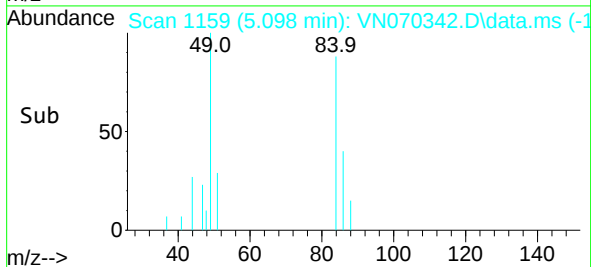
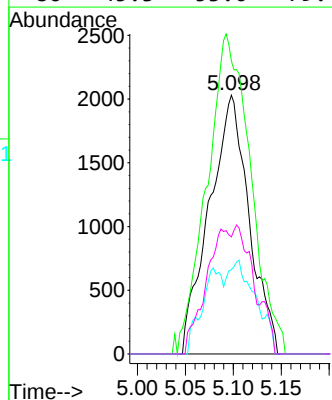
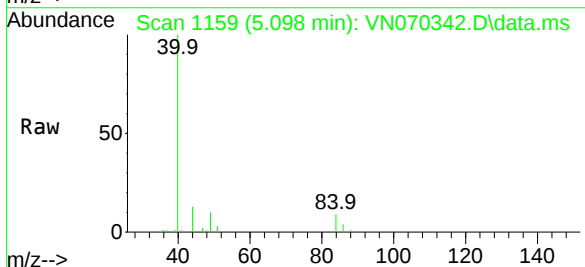
Ion Ratio Lower Upper

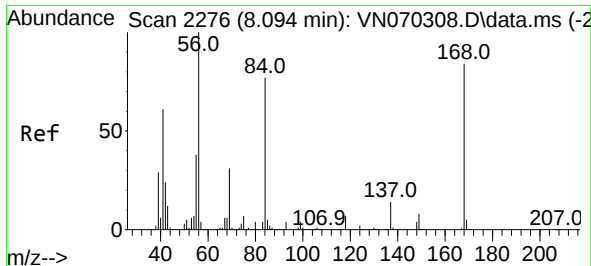
84 100

49 105.0 93.5 140.3

51 32.6 29.4 44.2

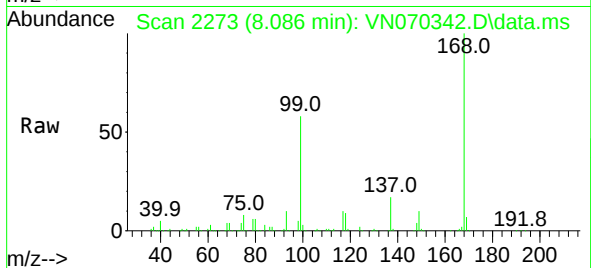
86 45.3 53.0 79.4#



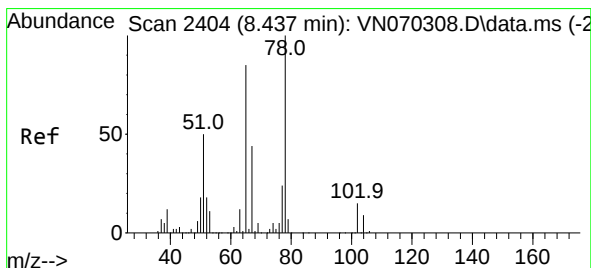
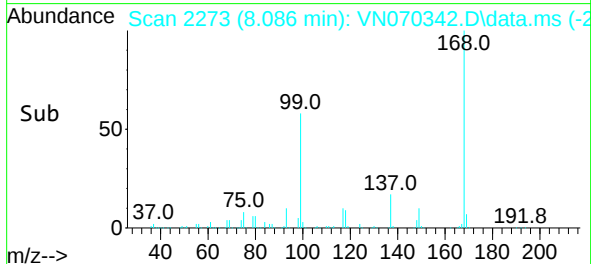
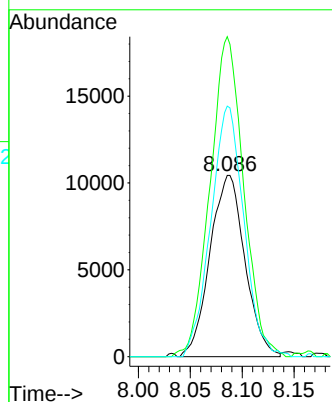


#31  
Cyclohexane  
Concen: 1.010 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Instrument :  
MSVOA\_N  
ClientSampleId :

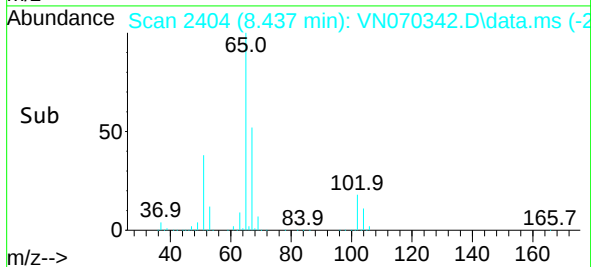
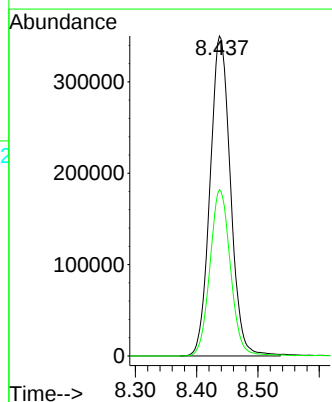
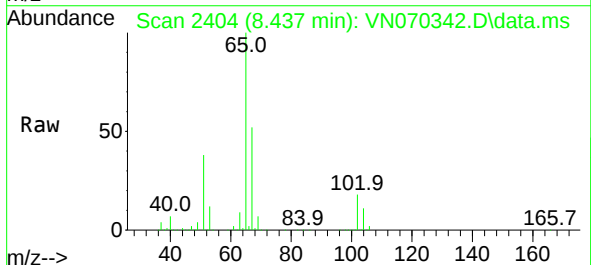


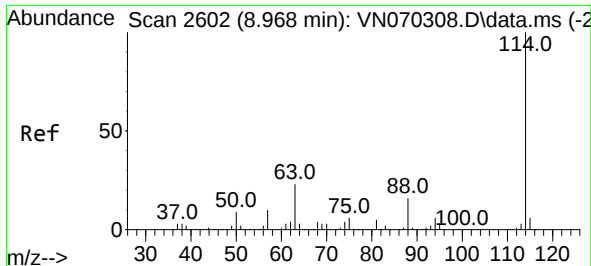
Tgt Ion: 56 Resp: 24421  
Ion Ratio Lower Upper  
56 100  
69 174.2 27.1 40.7#  
84 138.2 73.4 110.0#



#33  
1,2-Dichloroethane-d4  
Concen: 52.887 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion: 65 Resp: 810657  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 103.0

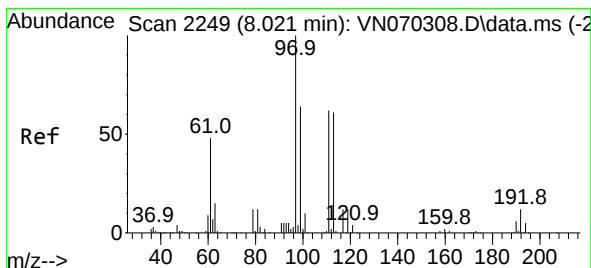
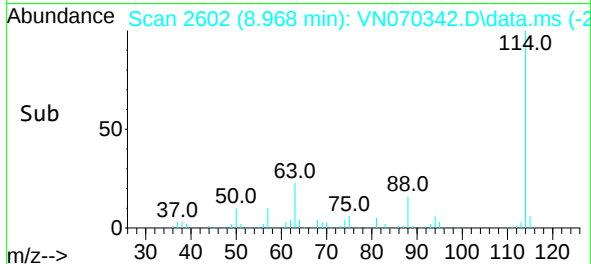
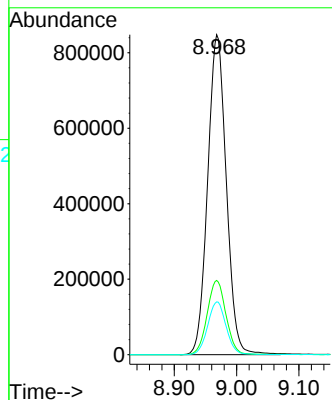
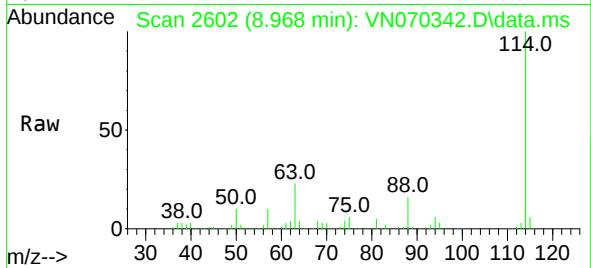




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

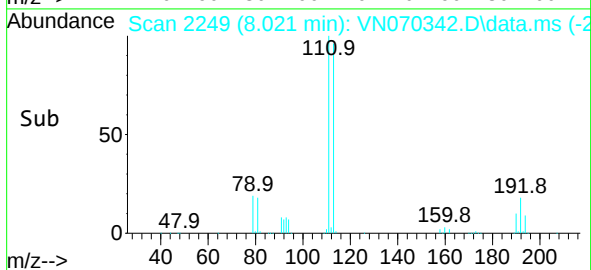
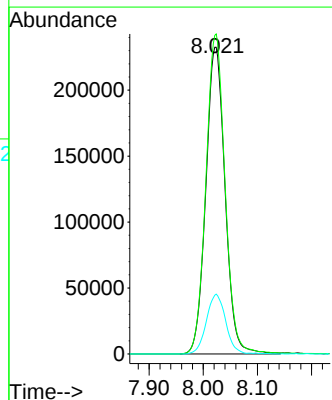
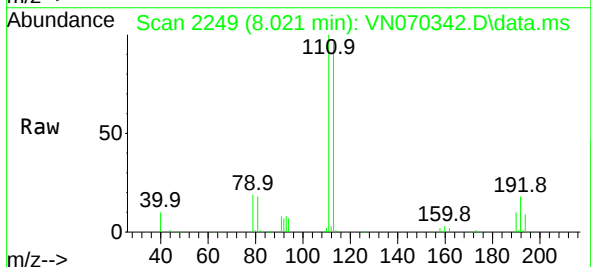
Instrument :  
MSVOA\_N  
ClientSampleId :

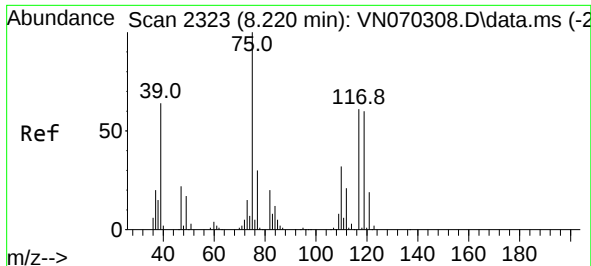
Tgt Ion:114 Resp: 1762831  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 37.8  
88 16.5 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 53.811 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. 0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion:113 Resp: 573946  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.2 123.2  
192 19.5 16.9 25.3

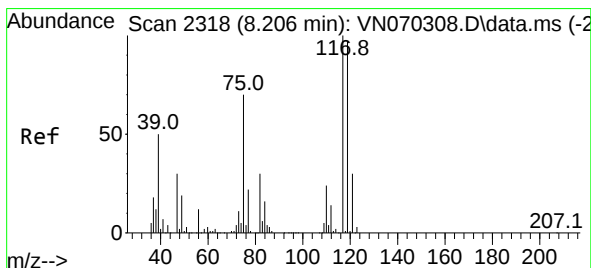
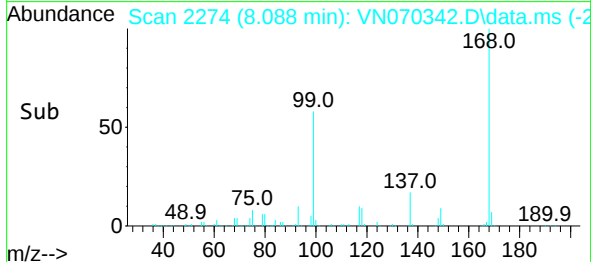
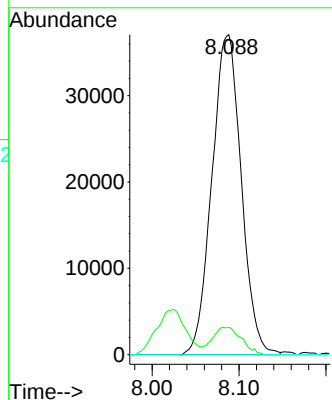
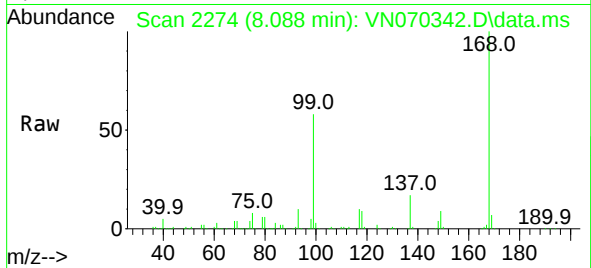




#36  
 1,1-Dichloropropene  
 Concen: 4.923 ug/l  
 RT: 8.088 min Scan# 21  
 Delta R.T. -0.132 min  
 Lab File: VN070342.D  
 Acq: 29 Dec 2021 12:10

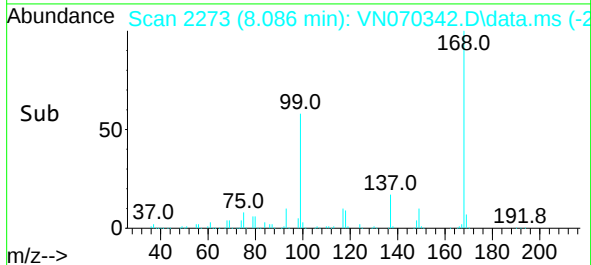
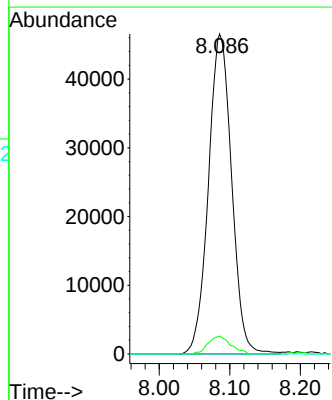
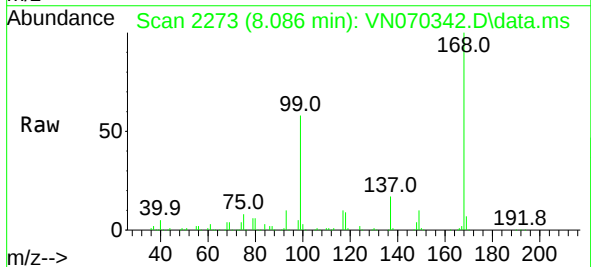
Instrument :  
 MSVOA\_N  
 ClientSampleId :

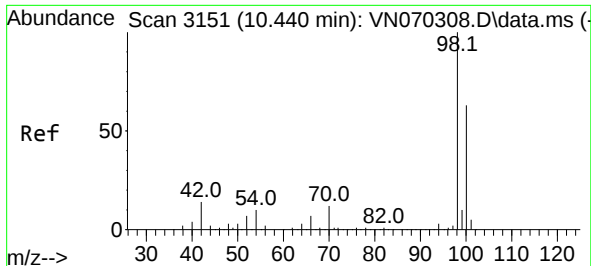
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 Ion Ratio Lower Upper  
 75 100  
 110 8.4 18.4 55.2#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 6.315 ug/l  
 RT: 8.086 min Scan# 2273  
 Delta R.T. -0.120 min  
 Lab File: VN070342.D  
 Acq: 29 Dec 2021 12:10

Tgt Ion: 117 Resp: 106391  
 Ion Ratio Lower Upper  
 117 100  
 119 5.6 76.1 114.1#  
 121 0.0 24.2 36.2#

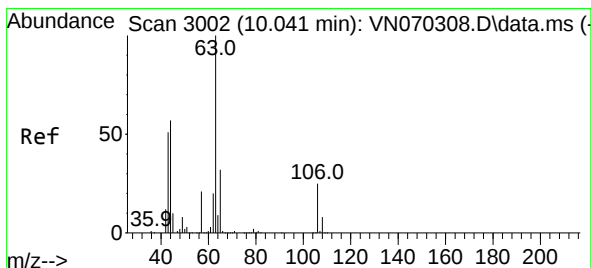
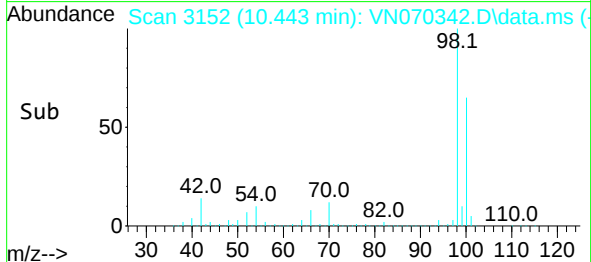
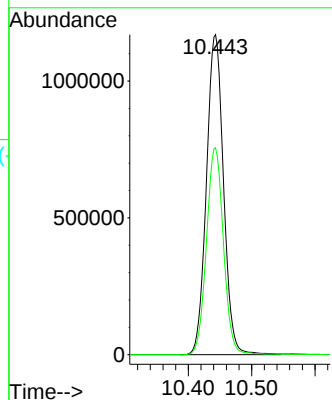
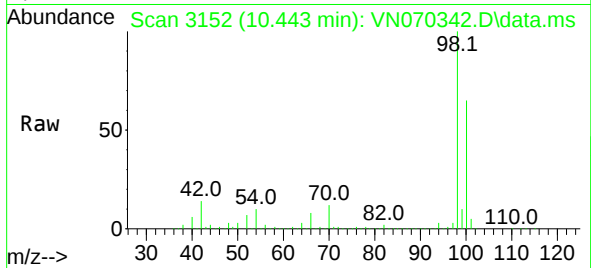




#50  
Toluene-d8  
Concen: 50.271 ug/l  
RT: 10.443 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

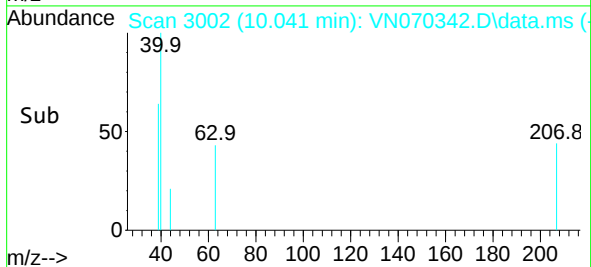
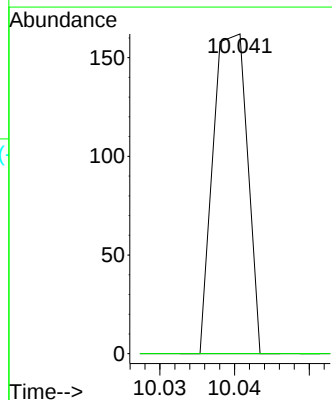
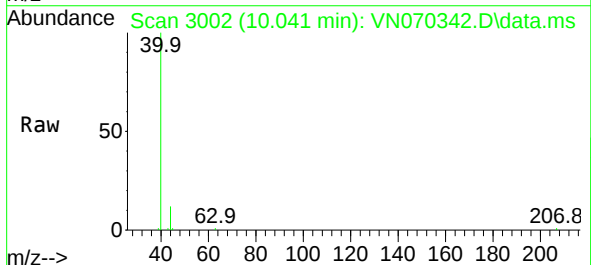
Instrument :  
MSVOA\_N  
ClientSampleId :

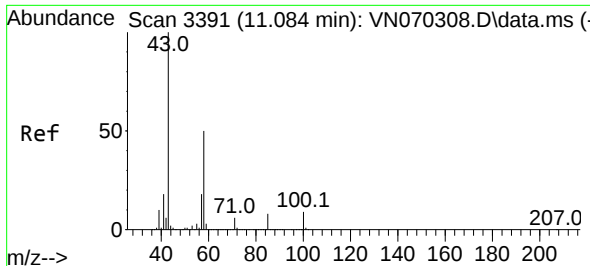
Tgt Ion: 98 Resp: 2190389  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.4 75.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 18.522 ug/l  
RT: 10.041 min Scan# 3002  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion: 63 Resp: 52  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#

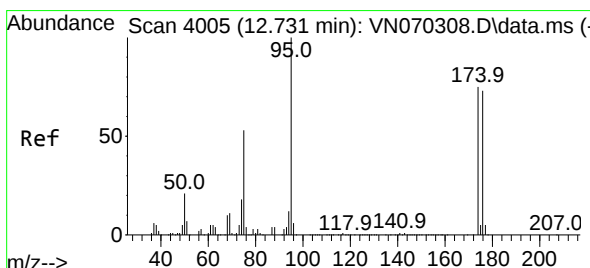
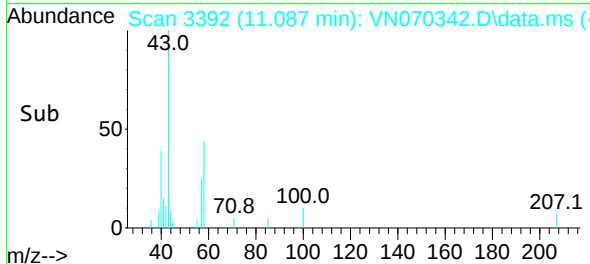
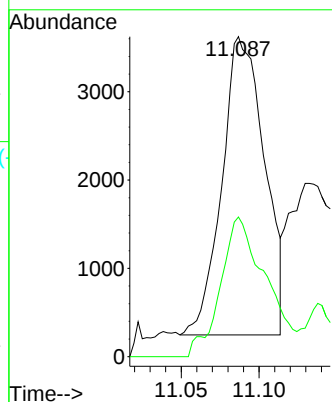
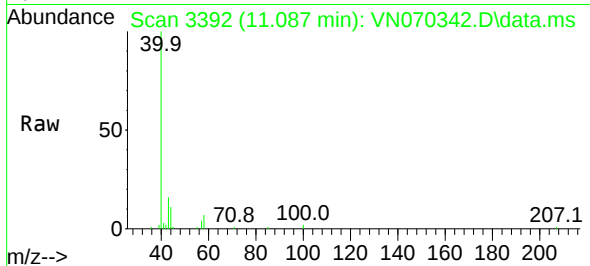




#59  
2-Hexanone  
Concen: 0.389 ug/l  
RT: 11.087 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

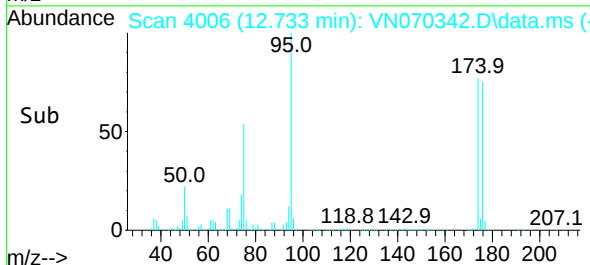
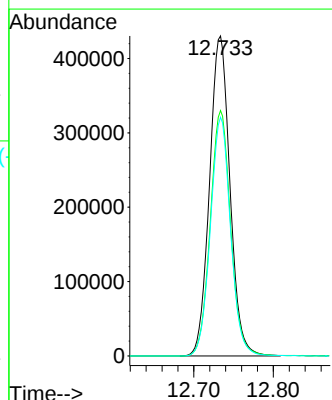
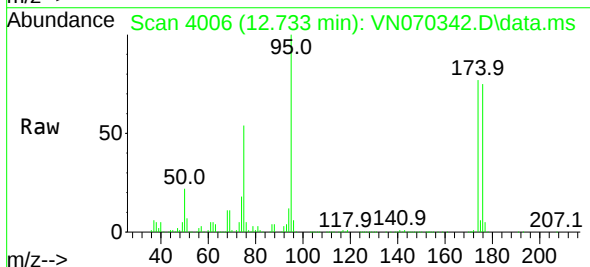
Instrument :  
MSVOA\_N  
ClientSampleId :

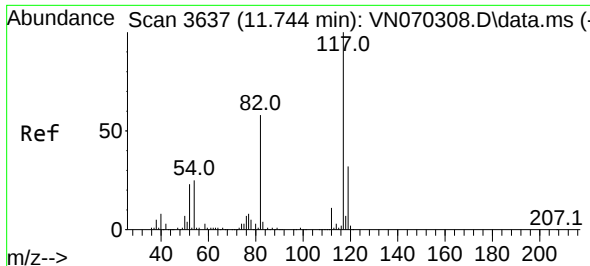
Tgt Ion: 43 Resp: 6427  
Ion Ratio Lower Upper  
43 100  
58 50.0 26.9 80.7



#62  
4-Bromofluorobenzene  
Concen: 48.782 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

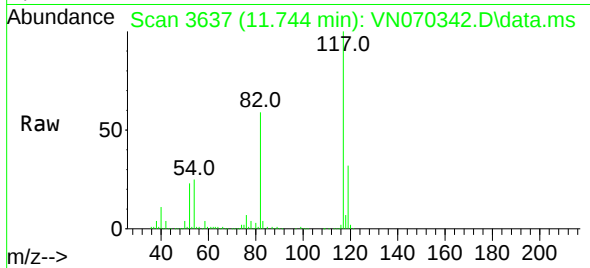
Tgt Ion: 95 Resp: 767691  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 187.2  
176 73.6 0.0 181.4



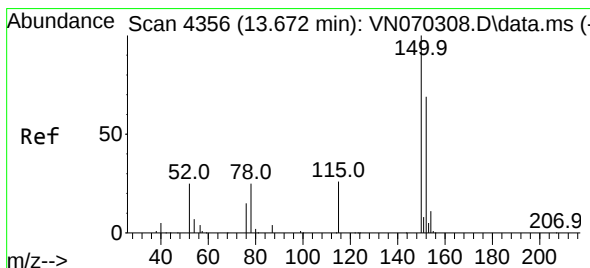
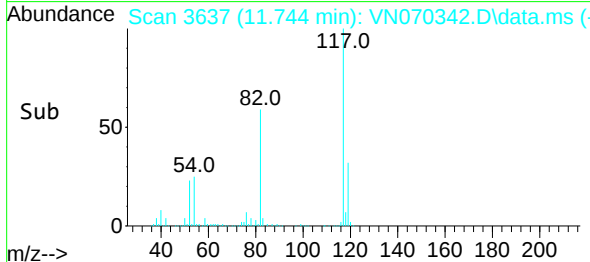
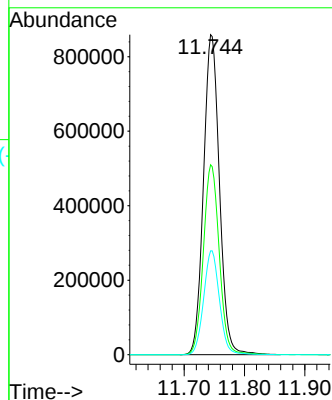


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Instrument :  
MSVOA\_N  
ClientSampleId :

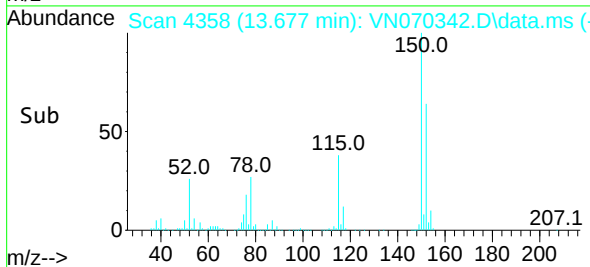
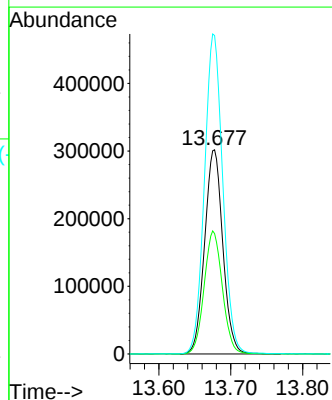
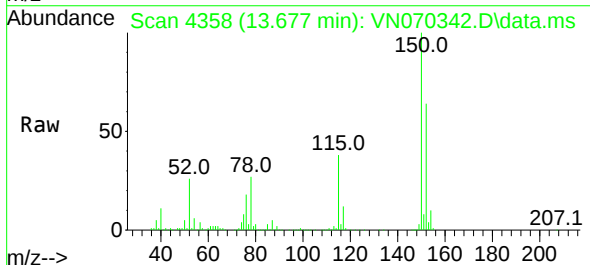


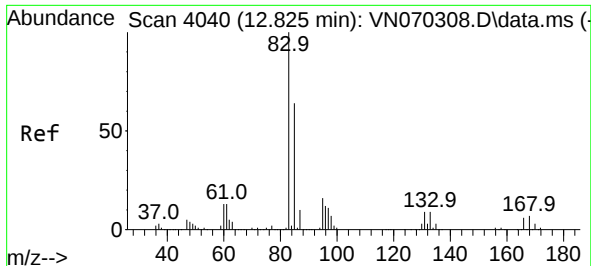
Tgt Ion:117 Resp: 1577875  
Ion Ratio Lower Upper  
117 100  
82 59.4 42.4 63.6  
119 32.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.005 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion:152 Resp: 532310  
Ion Ratio Lower Upper  
152 100  
115 60.4 27.5 82.5  
150 157.3 0.0 344.4

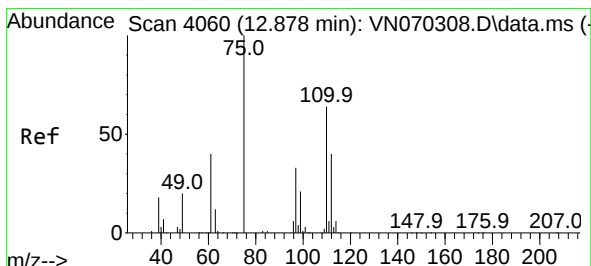
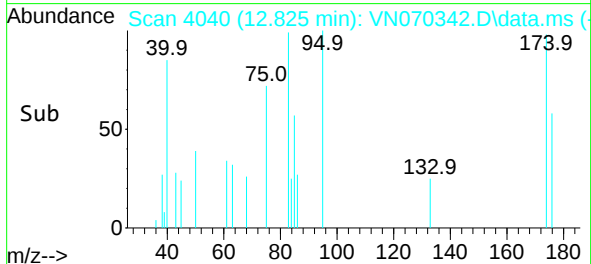
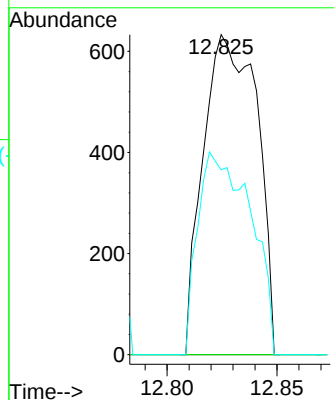
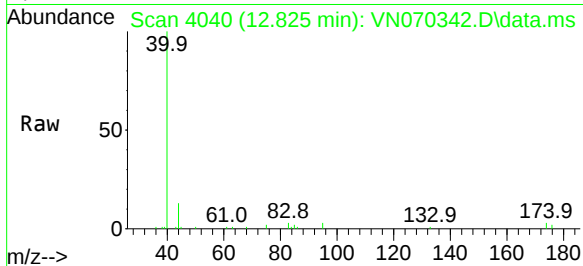




#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.506 ug/l  
RT: 12.825 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

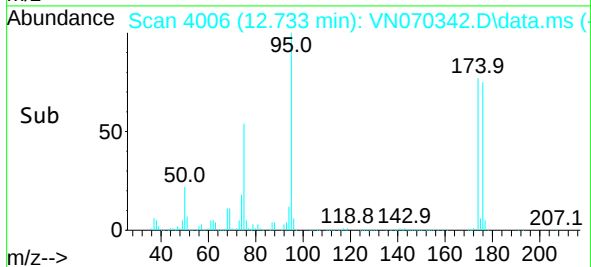
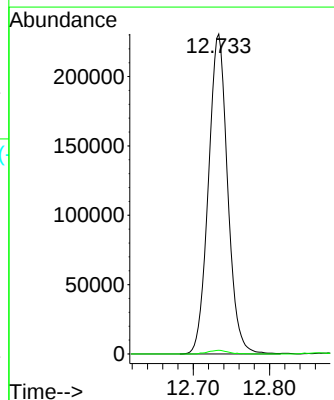
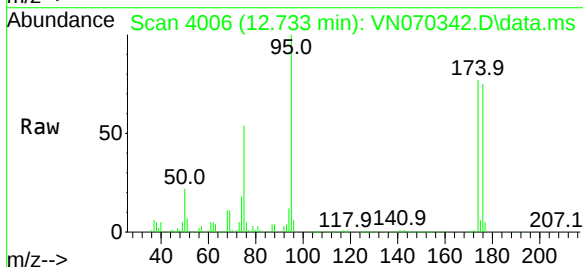
Instrument :  
MSVOA\_N  
ClientSampleId :

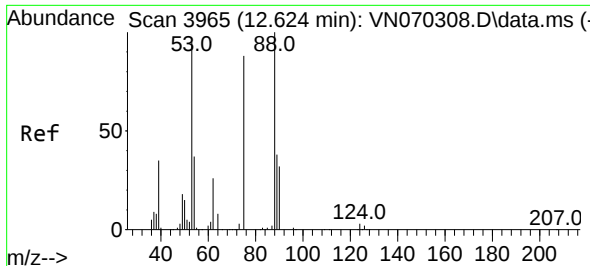
Tgt Ion: 83 Resp: 1077  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.5 16.5#  
85 62.4 32.4 97.2



#76  
1,2,3-Trichloropropane  
Concen: 26.959 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.145 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

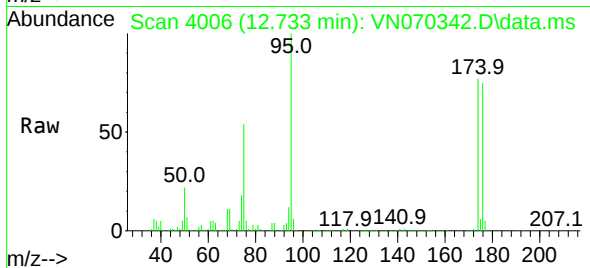
Tgt Ion: 75 Resp: 403839  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



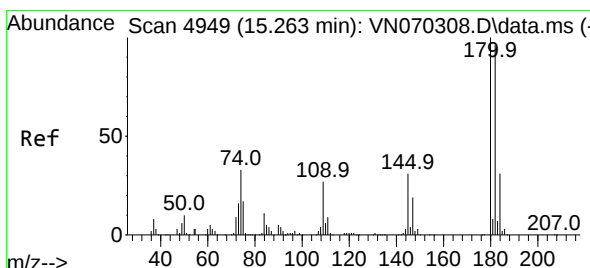
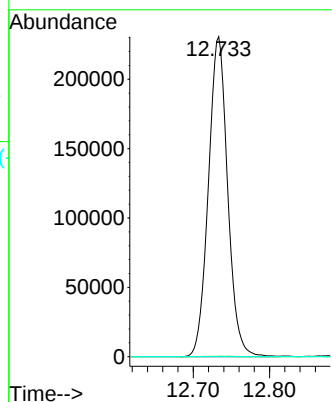
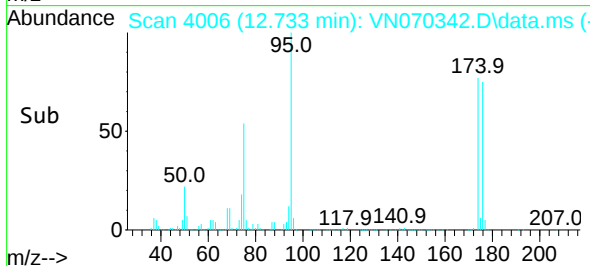


#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.690 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.109 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

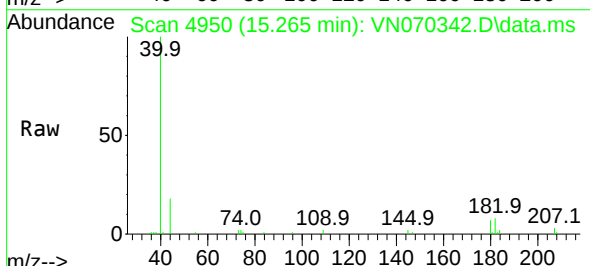
Instrument :  
MSVOA\_N  
ClientSampleId :



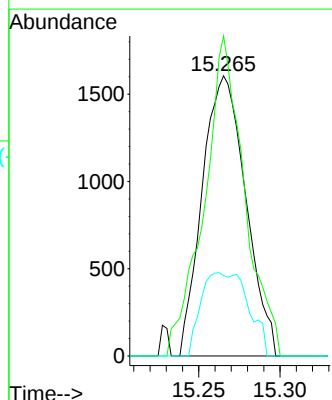
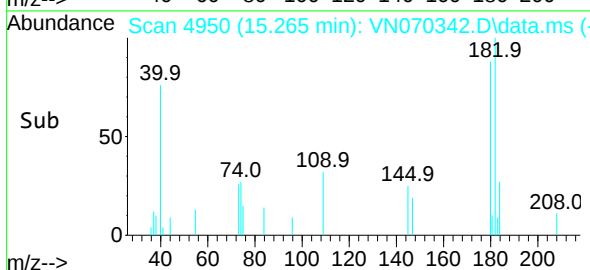
Tgt Ion: 75 Resp: 403839  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#

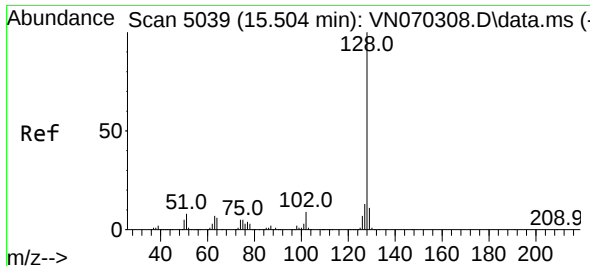


#93  
1,2,4-Trichlorobenzene  
Concen: 0.341 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.002 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10



Tgt Ion: 180 Resp: 2990  
Ion Ratio Lower Upper  
180 100  
182 105.4 48.3 144.9  
145 18.6 14.5 43.5

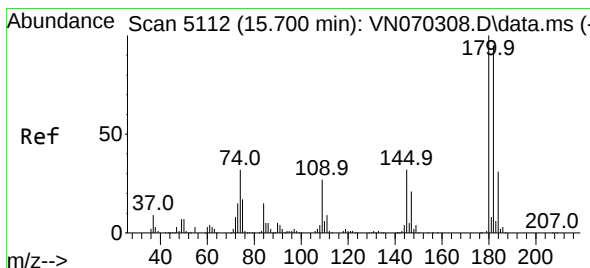
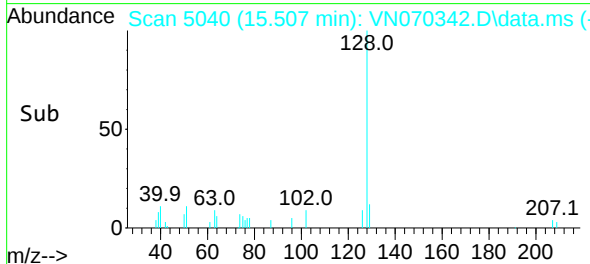
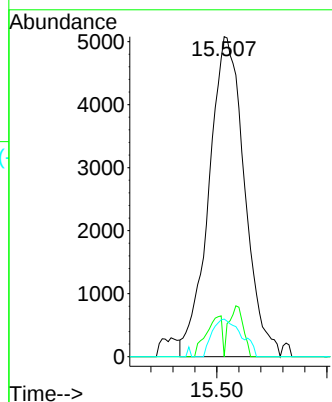
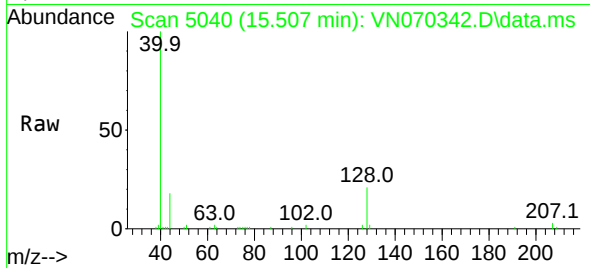




#95  
Naphthalene  
Concen: 2.250 ug/l  
RT: 15.507 min Scan# 5039  
Delta R.T. 0.003 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:128 Resp: 11407  
Ion Ratio Lower Upper  
128 100  
127 5.6 10.5 15.7#  
129 9.6 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 1.217 ug/l  
RT: 15.708 min Scan# 5115  
Delta R.T. 0.008 min  
Lab File: VN070342.D  
Acq: 29 Dec 2021 12:10

Tgt Ion:180 Resp: 3335  
Ion Ratio Lower Upper  
180 100  
182 56.2 47.4 142.2  
145 36.2 15.0 45.1

