

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092921\  
 Data File : VN068749.D  
 Acq On : 29 Sep 2021 19:30  
 Operator : JC/MD  
 Sample : M3986-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Sep 29 23:43:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 29 23:31:35 2021  
 Response via : Initial Calibration

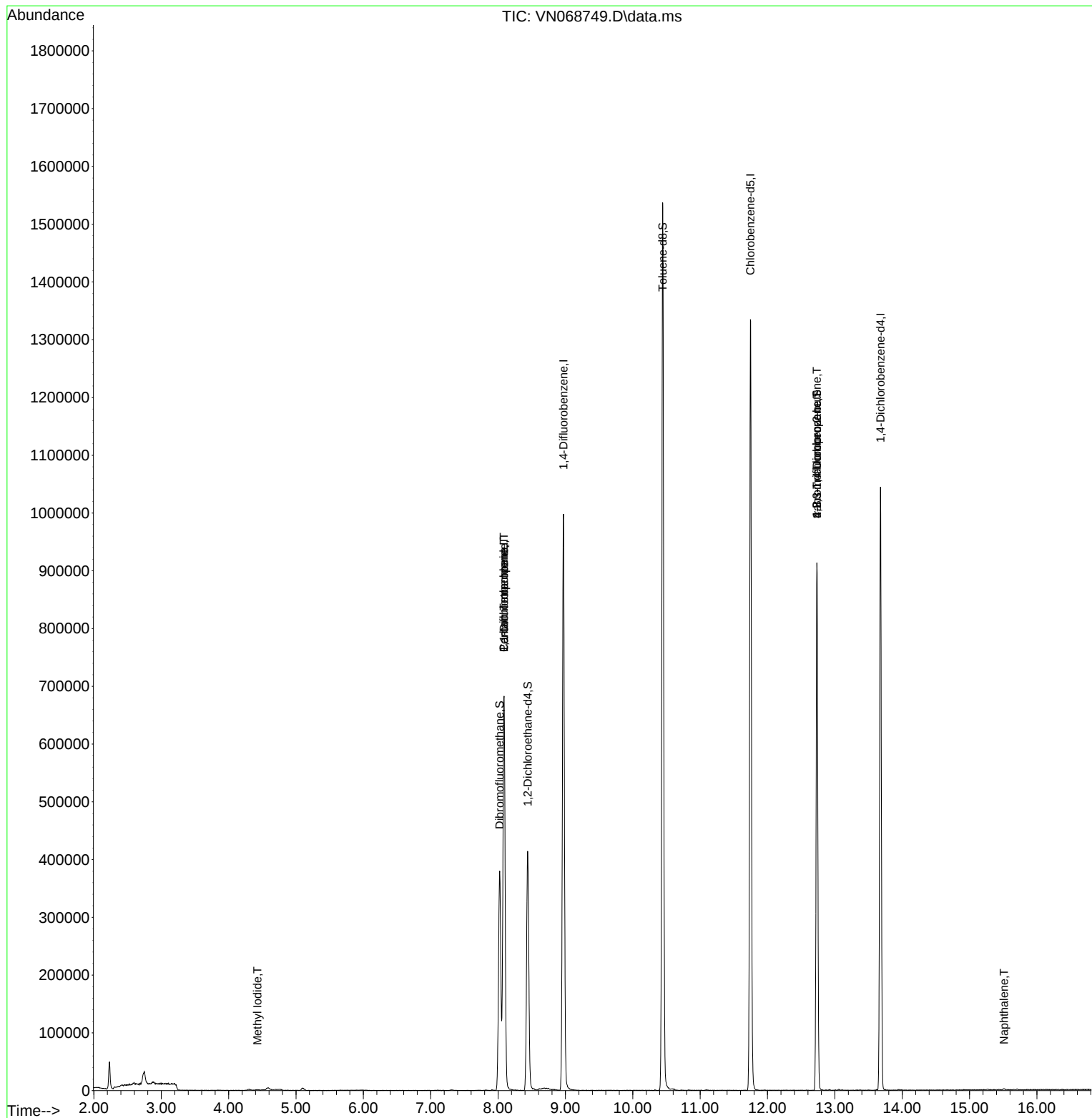
| Compound                      | R.T.           | QIon | Response   | Conc        | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-------------|-------|----------|
| -----                         |                |      |            |             |       |          |
| Internal Standards            |                |      |            |             |       |          |
| 1) Pentafluorobenzene         | 8.088          | 168  | 497648     | 50.000      | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.971          | 114  | 869037     | 50.000      | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.746         | 117  | 765404     | 50.000      | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677         | 152  | 261477     | 50.000      | ug/l  | 0.00     |
|                               |                |      |            |             |       |          |
| System Monitoring Compounds   |                |      |            |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.440          | 65   | 342275     | 49.363      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 98.720%     |       |          |
| 35) Dibromofluoromethane      | 8.021          | 113  | 272790     | 50.521      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 101.040%    |       |          |
| 50) Toluene-d8                | 10.443         | 98   | 1068331    | 54.145      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 108.300%    |       |          |
| 62) 4-Bromofluorobenzene      | 12.733         | 95   | 290864     | 42.425      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 84.840%     |       |          |
|                               |                |      |            |             |       |          |
| Target Compounds              |                |      |            |             |       |          |
| 3) Chloromethane              | 2.306          | 50   | 1713       | Below Cal   |       | 98       |
| 5) Bromomethane               | 2.842          | 94   | 222        | Below Cal   | #     | 79       |
| 6) Chloroethane               | 3.014          | 64   | 101        | Below Cal   | #     | 69       |
| 10) Methyl Iodide             | 4.425          | 142  | 247        | 1.399 ug/l  | #     | 33       |
| 13) Acrolein                  | 4.049          | 56   | 135        | Below Cal   | #     | 14       |
| 16) Acetone                   | 4.293          | 43   | 1625       | Below Cal   |       | 99       |
| 17) Carbon Disulfide          | 4.543          | 76   | 161        | Below Cal   | #     | 74       |
| 31) Cyclohexane               | 8.086          | 56   | 13891      | Below Cal   | #     | 46       |
| 36) 1,1-Dichloropropene       | 8.088          | 75   | 44349      | 5.426 ug/l  | #     | 52       |
| 38) Carbon Tetrachloride      | 8.088          | 117  | 54911      | 5.656 ug/l  | #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.733         | 75   | 171069     | 29.419 ug/l | #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.733         | 75   | 171069     | 85.520 ug/l | #     | 6        |
| 95) Naphthalene               | 15.512         | 128  | 2500       | 1.644 ug/l  | #     | 89       |
| -----                         |                |      |            |             |       |          |

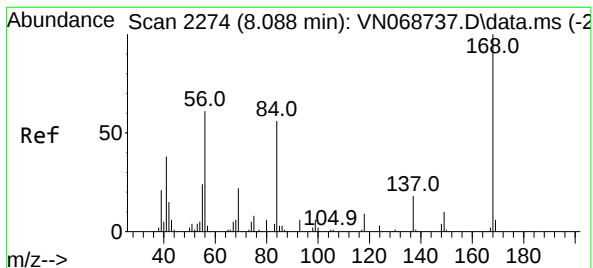
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092921\  
Data File : VN068749.D  
Acq On : 29 Sep 2021 19:30  
Operator : JC/MD  
Sample : M3986-07  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

Quant Time: Sep 29 23:43:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092921W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 29 23:31:35 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

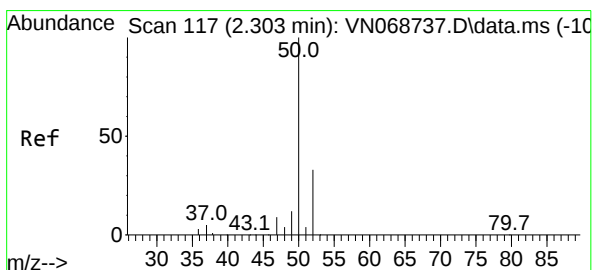
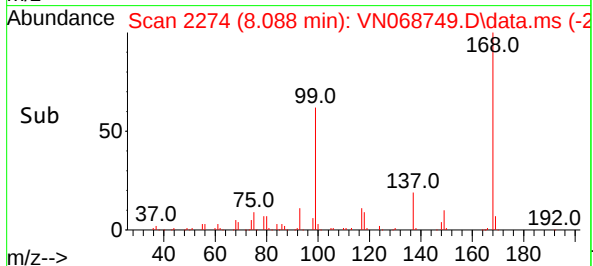
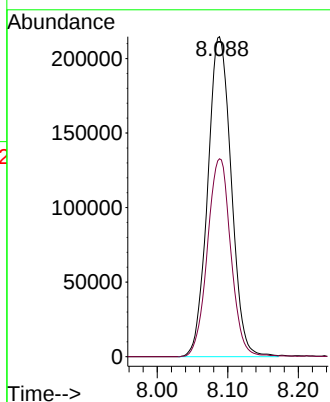
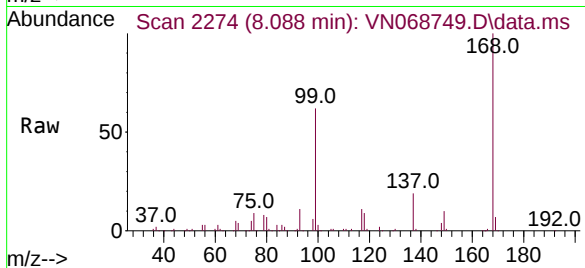
Lab File: VN068749.D

Acq: 29 Sep 2021 19:30

Tgt Ion:168 Resp: 497648

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 99  | 61.8  | 62.9  | 94.3# |



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. 0.003 min

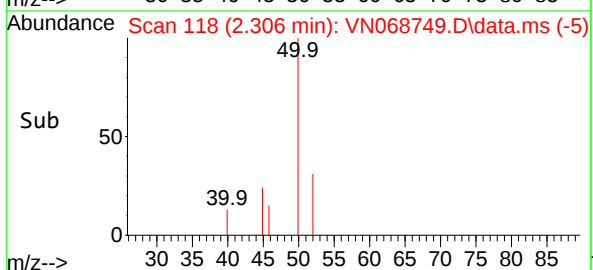
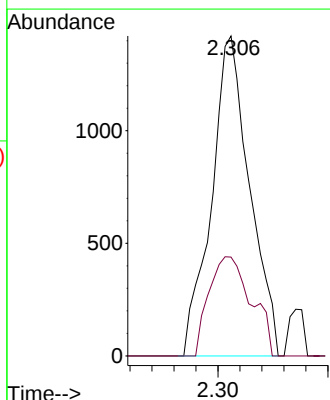
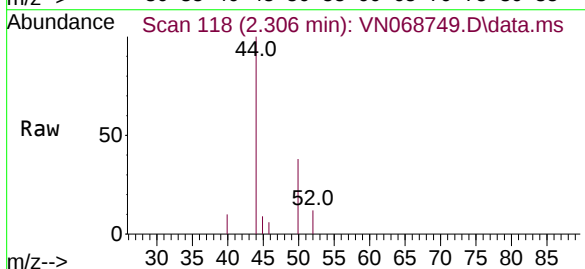
Lab File: VN068749.D

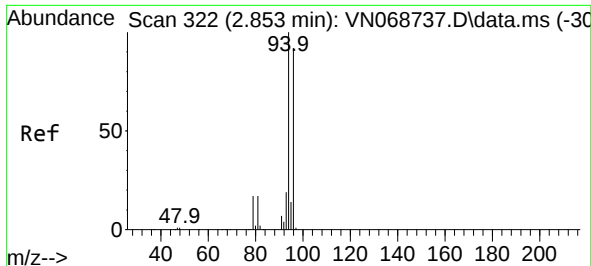
Acq: 29 Sep 2021 19:30

Tgt Ion: 50 Resp: 1713

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 50  | 100   |       |       |
| 52  | 30.9  | 25.6  | 38.4  |

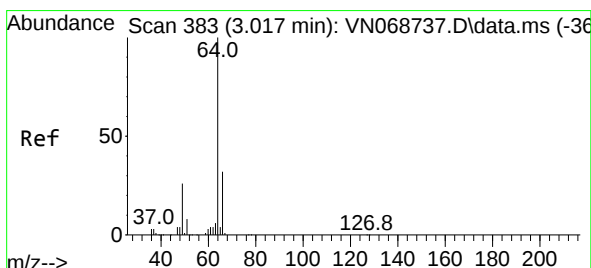
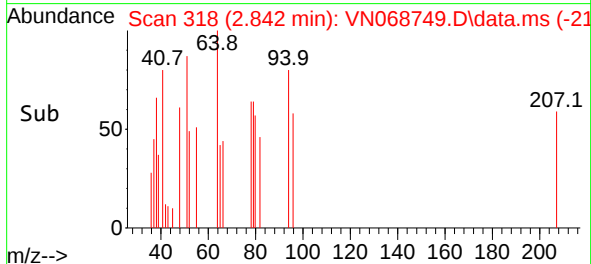
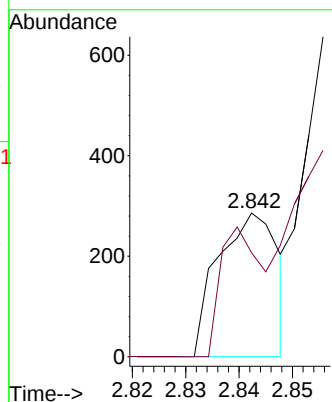
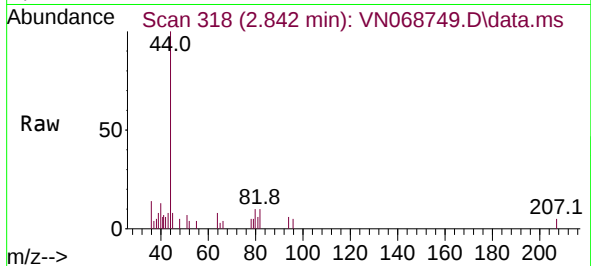




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.842 min Scan# 318  
Delta R.T. -0.011 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

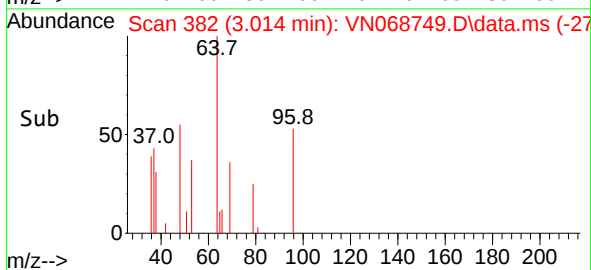
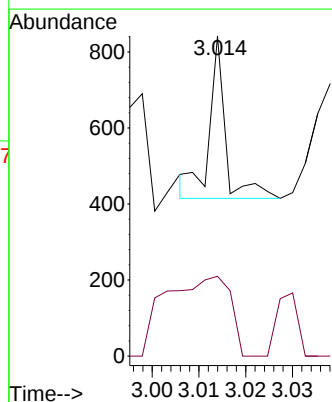
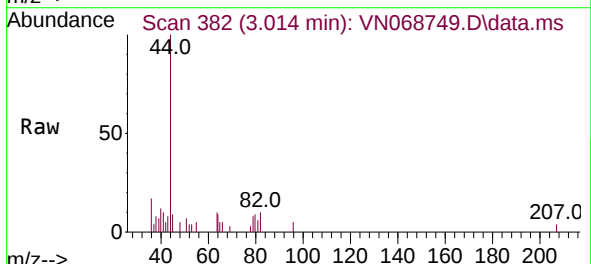
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

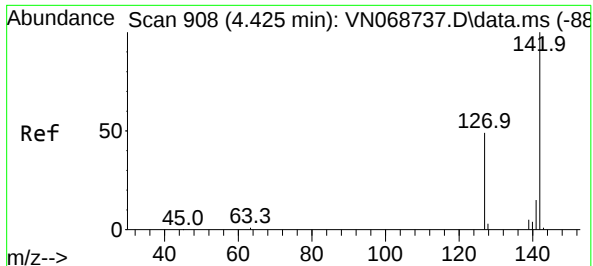
Tgt Ion: 94 Resp: 222  
Ion Ratio Lower Upper  
94 100  
96 72.4 73.7 110.5#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.014 min Scan# 382  
Delta R.T. -0.003 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 64 Resp: 101  
Ion Ratio Lower Upper  
64 100  
66 13.8 24.7 37.1#

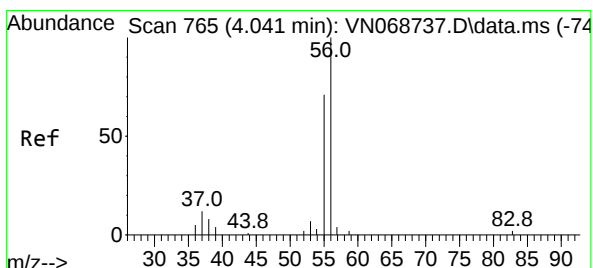
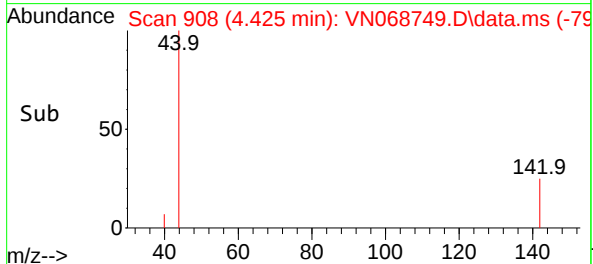
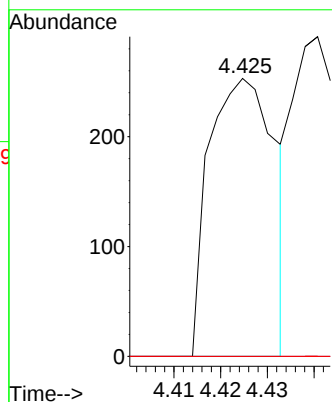
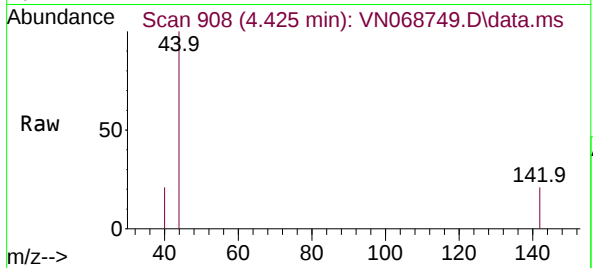




#10  
Methyl Iodide  
Concen: 1.399 ug/l  
RT: 4.425 min Scan# 908  
Delta R.T. -0.000 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

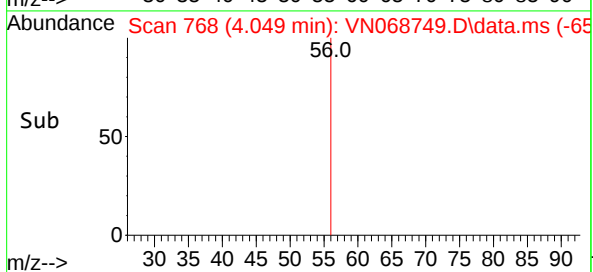
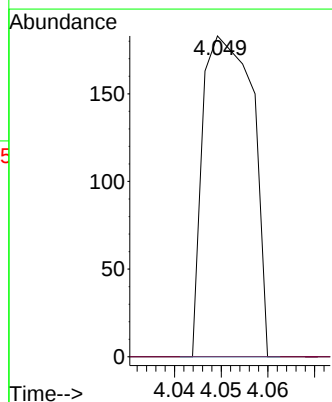
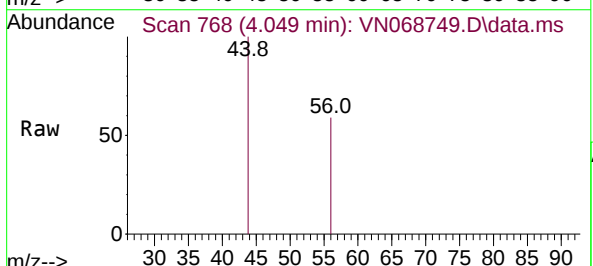
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

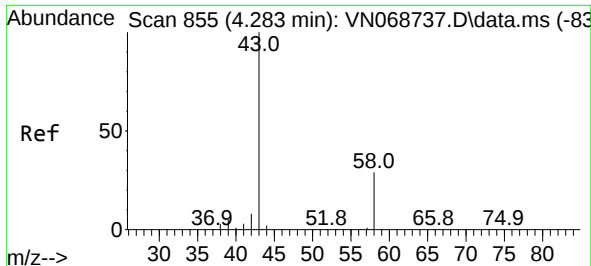
Tgt Ion:142 Resp: 247  
Ion Ratio Lower Upper  
142 100  
127 0.0 43.1 64.7#  
141 0.0 11.4 17.0#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.049 min Scan# 768  
Delta R.T. 0.008 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 56 Resp: 135  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#

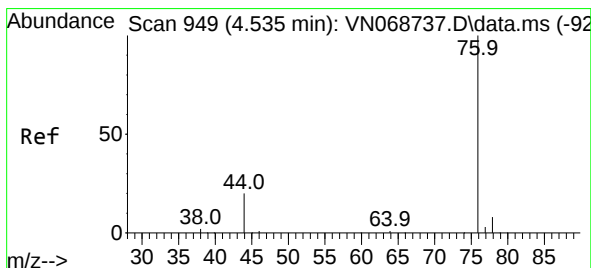
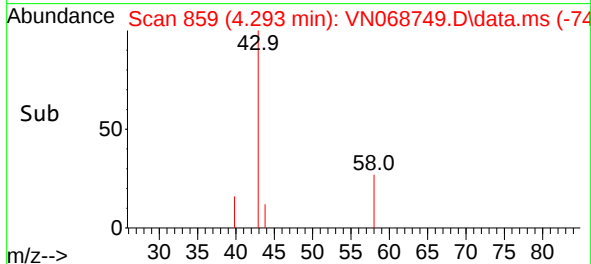
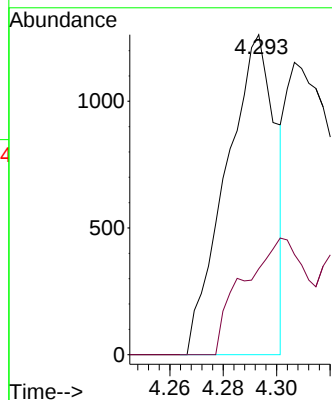
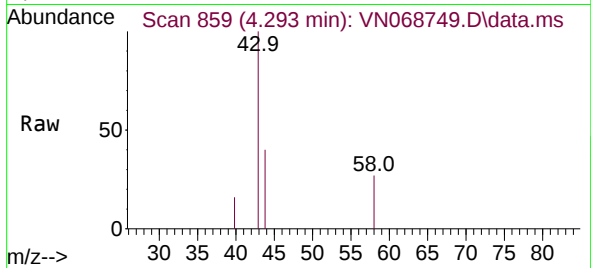




#16  
Acetone  
Concen: Below Cal  
RT: 4.293 min Scan# 859  
Delta R.T. 0.010 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

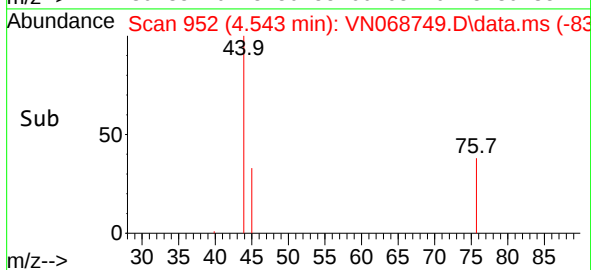
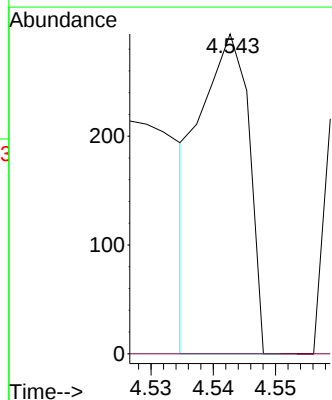
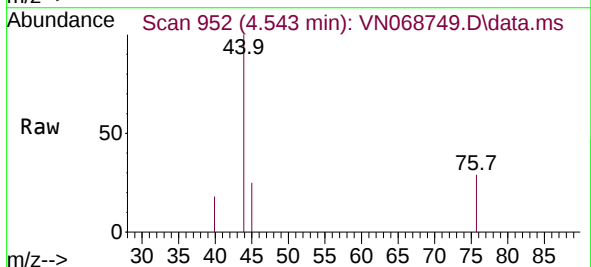
Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

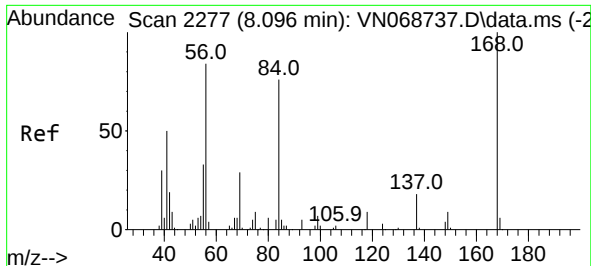
Tgt Ion: 43 Resp: 1625  
Ion Ratio Lower Upper  
43 100  
58 26.8 21.2 31.8



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.543 min Scan# 952  
Delta R.T. 0.008 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 76 Resp: 161  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.7 11.5#

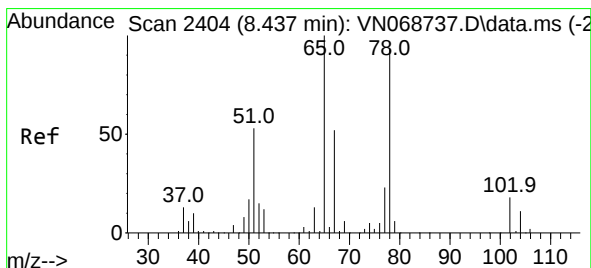
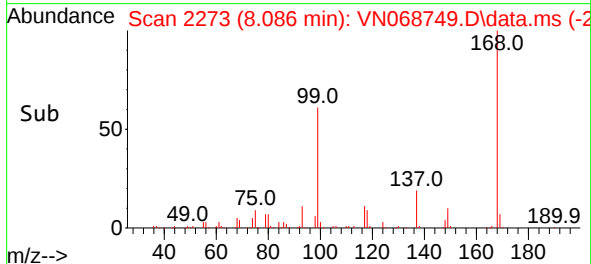
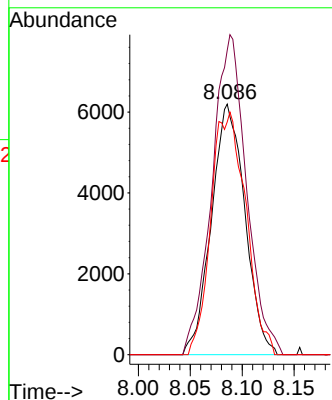
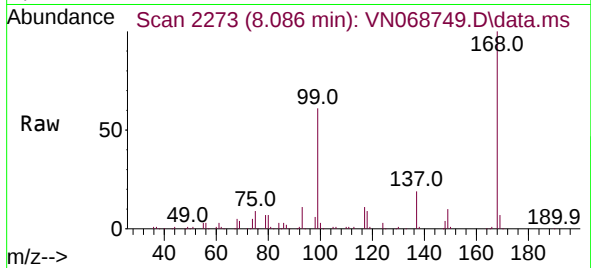




#31  
Cyclohexane  
Concen: Below Cal  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.010 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

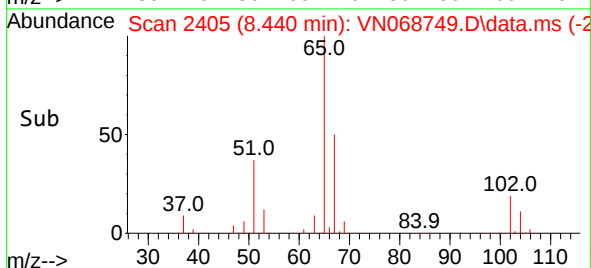
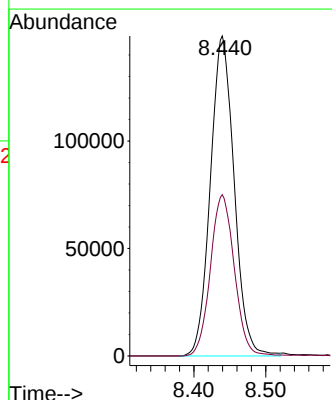
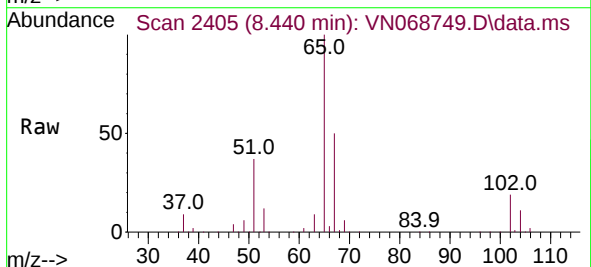
Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

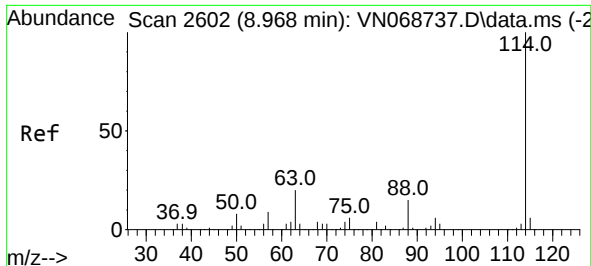
Tgt Ion: 56 Resp: 13891  
Ion Ratio Lower Upper  
56 100  
69 121.5 27.3 40.9#  
84 92.9 64.9 97.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.363 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 65 Resp: 342275  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 98.6

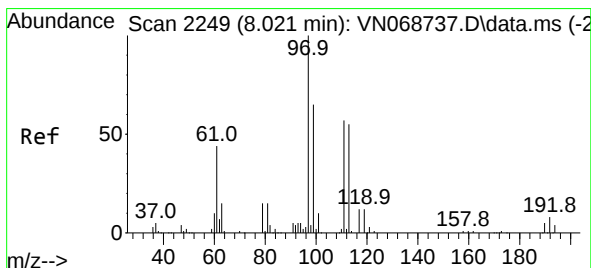
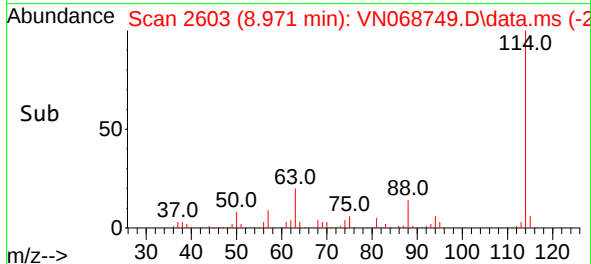
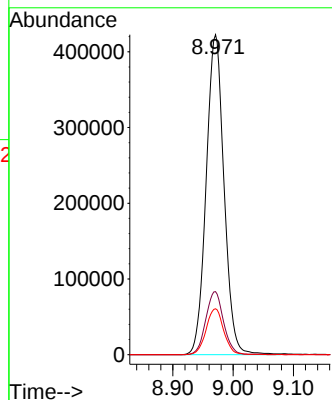
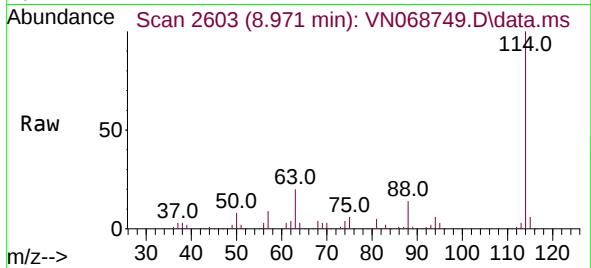




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

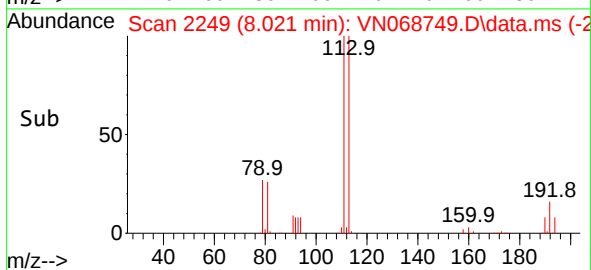
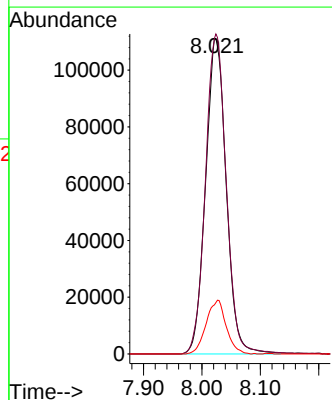
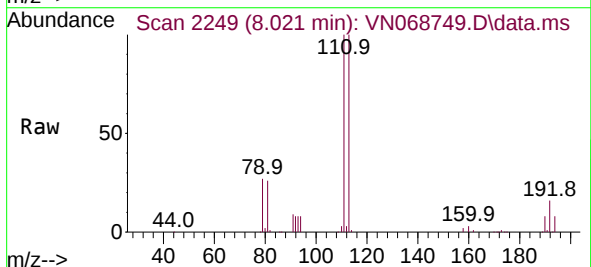
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

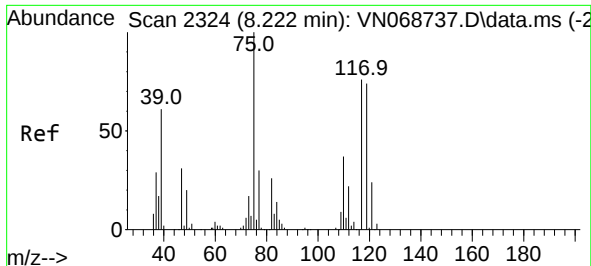
Tgt Ion:114 Resp: 869037  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 49.0  
88 14.3 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 50.521 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. 0.000 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion:113 Resp: 272790  
Ion Ratio Lower Upper  
113 100  
111 102.6 83.8 125.8  
192 16.6 13.4 20.0

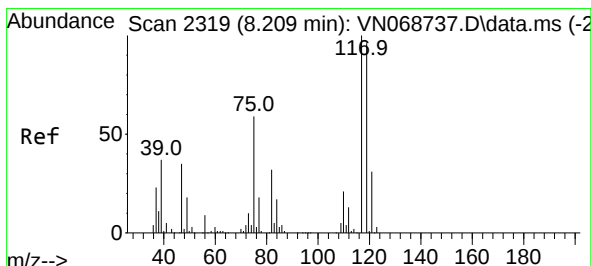
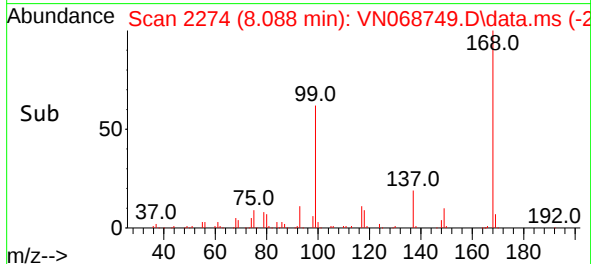
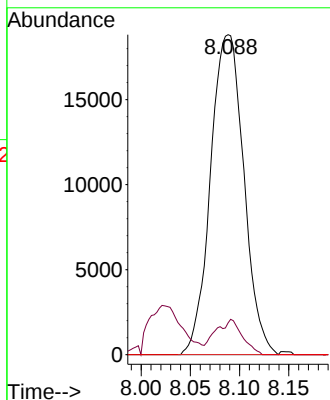
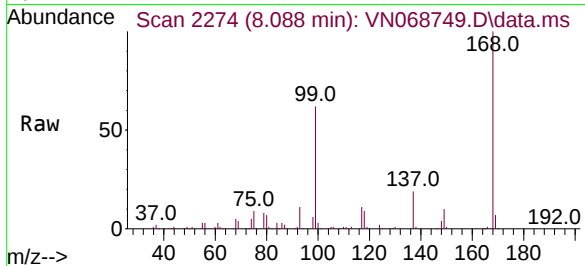




#36  
1,1-Dichloropropene  
Concen: 5.426 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.134 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

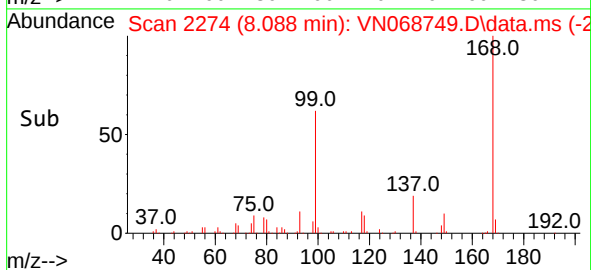
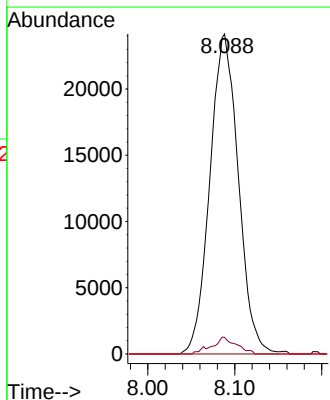
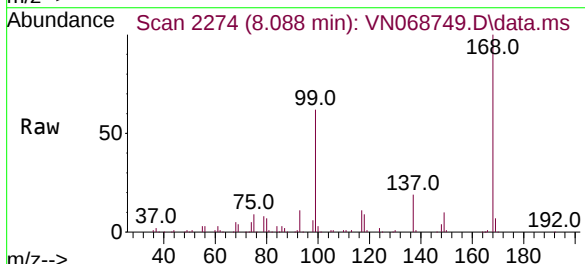
Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

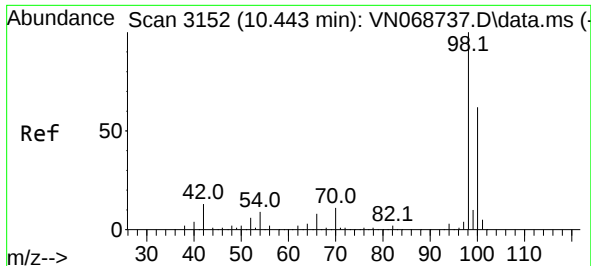
Tgt Ion: 75 Resp: 44349  
Ion Ratio Lower Upper  
75 100  
110 8.9 15.7 47.0#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.656 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion:117 Resp: 54911  
Ion Ratio Lower Upper  
117 100  
119 5.2 75.4 113.2#  
121 0.0 23.5 35.3#

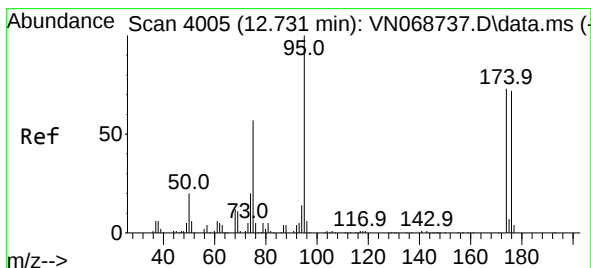
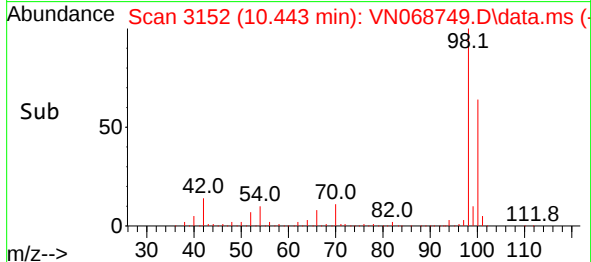
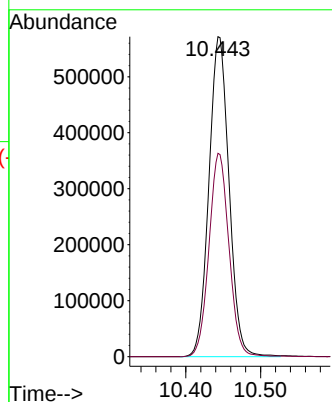
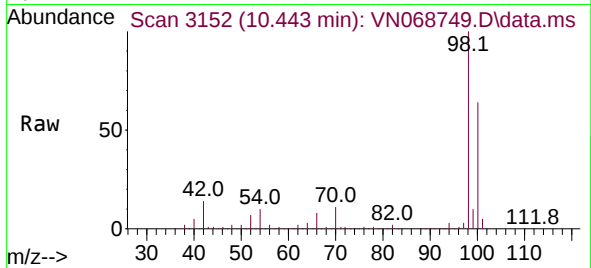




#50  
Toluene-d8  
Concen: 54.145 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

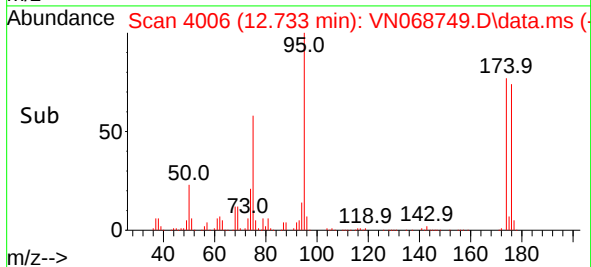
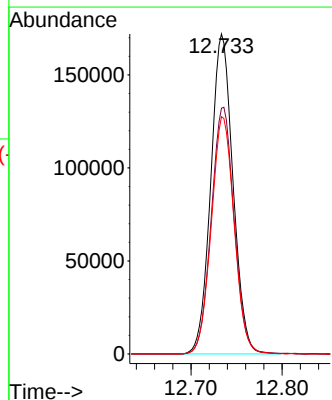
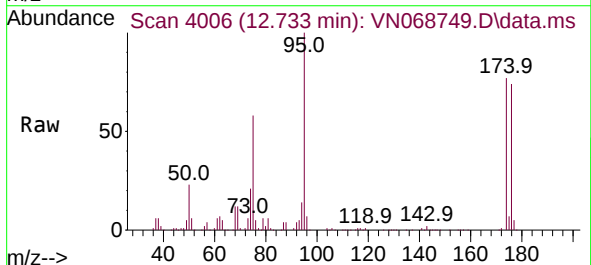
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

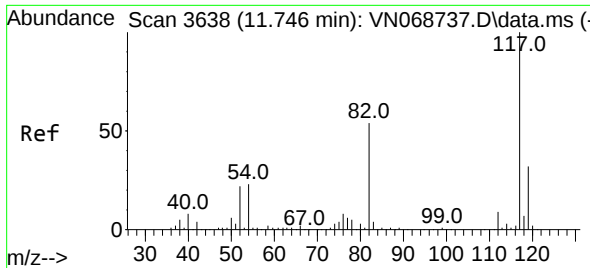
Tgt Ion: 98 Resp: 1068331  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 42.425 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 95 Resp: 290864  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 122.0  
176 76.2 0.0 117.6

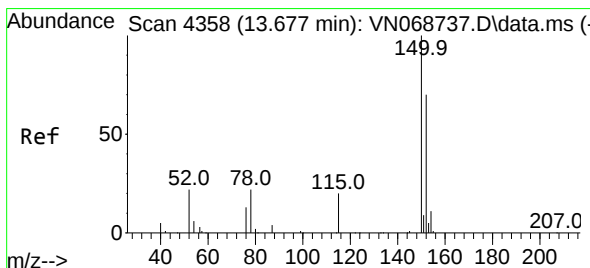
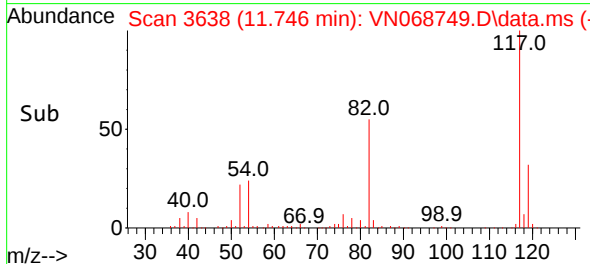
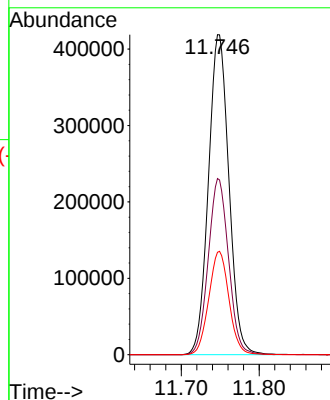
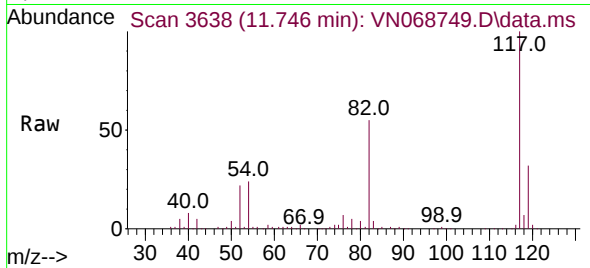




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

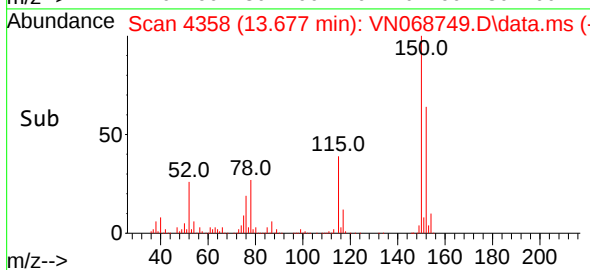
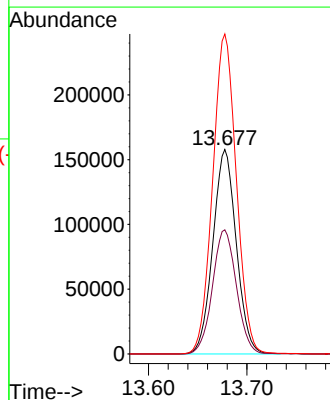
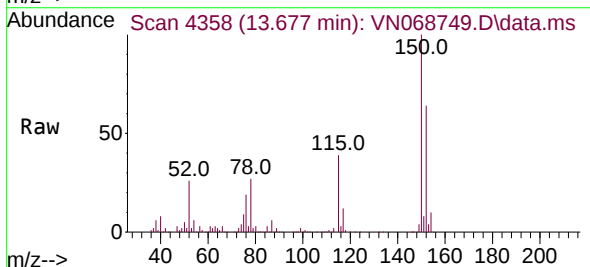
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

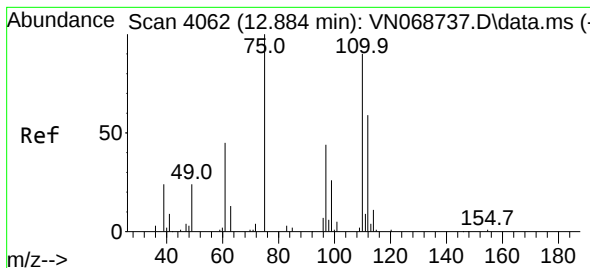
Tgt Ion:117 Resp: 765404  
Ion Ratio Lower Upper  
117 100  
82 55.0 53.1 79.7  
119 32.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.000 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion:152 Resp: 261477  
Ion Ratio Lower Upper  
152 100  
115 62.2 36.1 108.5  
150 158.5 0.0 351.8

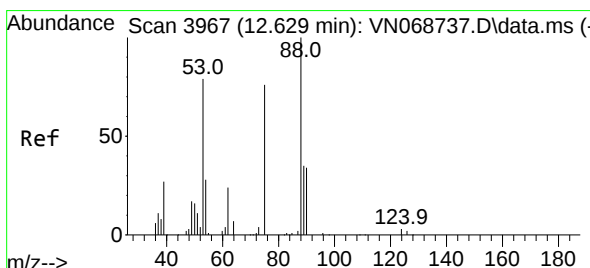
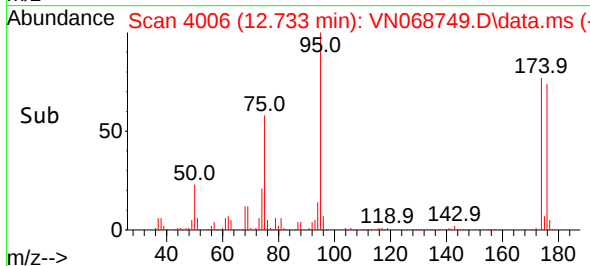
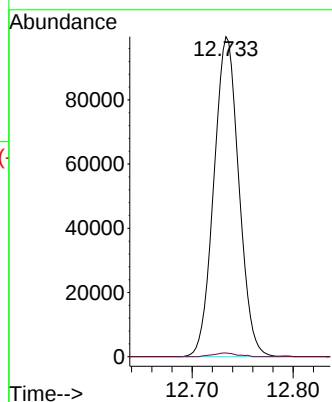
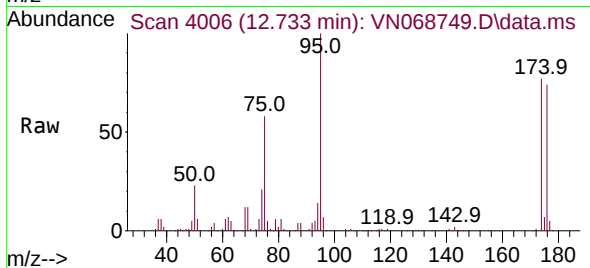




#76  
1,2,3-Trichloropropane  
Concen: 29.419 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.151 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

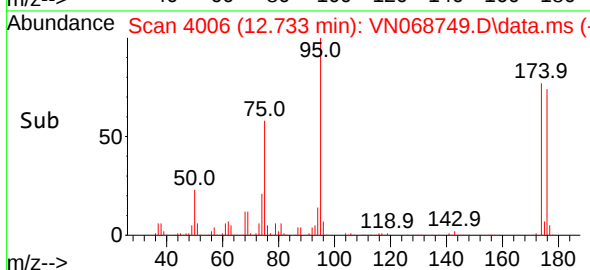
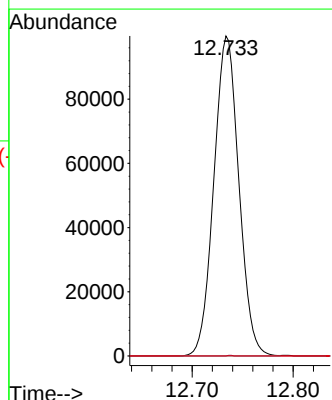
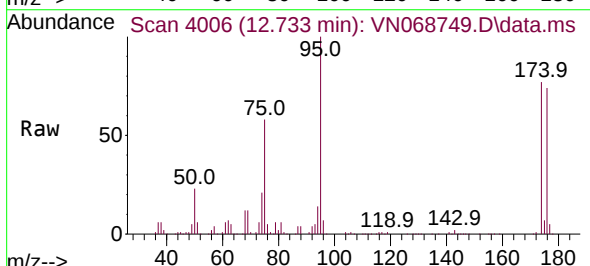
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

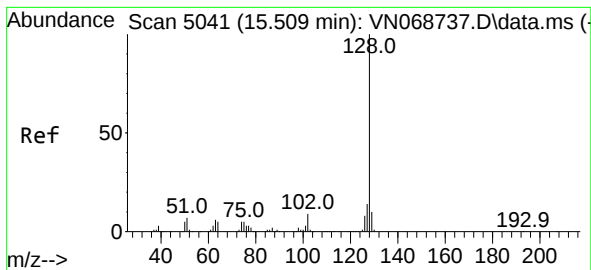
Tgt Ion: 75 Resp: 171069  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.520 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.104 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Tgt Ion: 75 Resp: 171069  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.6 131.4#  
89 0.0 37.8 56.8#





#95  
Naphthalene  
Concen: 1.644 ug/l  
RT: 15.512 min Scan# 5042  
Delta R.T. 0.003 min  
Lab File: VN068749.D  
Acq: 29 Sep 2021 19:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP-BLANK

Tgt Ion:128 Resp: 2500  
Ion Ratio Lower Upper  
128 100  
127 7.8 10.6 15.8#  
129 8.1 8.6 12.8#

