

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081522\  
 Data File : VN073905.D  
 Acq On : 15 Aug 2022 19:10  
 Operator : JC\MD  
 Sample : N4150-01RE  
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-081022

Quant Time: Aug 15 23:59:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 15 23:50:46 2022  
 Response via : Initial Calibration

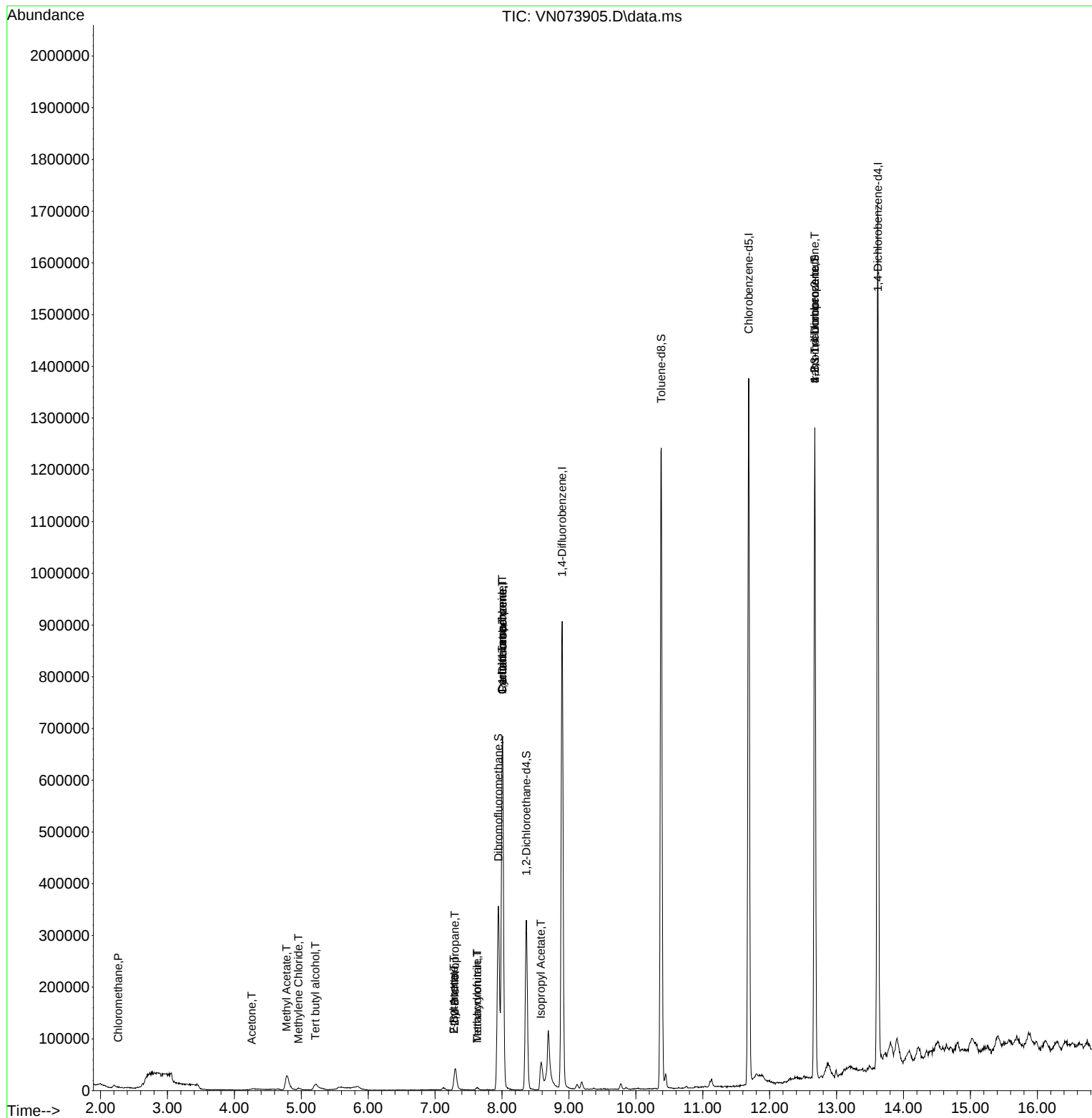
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.010          | 168  | 605484     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.898          | 114  | 866750     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686         | 117  | 839306     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616         | 152  | 483584     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.363          | 65   | 273479     | 46.373    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 92.740%   |        |          |
| 35) Dibromofluoromethane      | 7.945          | 113  | 261093     | 50.936    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 101.880%  |        |          |
| 50) Toluene-d8                | 10.381         | 98   | 917725     | 46.228    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 92.460%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.674         | 95   | 411389     | 62.440    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 124.880%# |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 3) Chloromethane              | 2.263          | 50   | 1567       | 0.294     | ug/l   | 100      |
| 11) Tert butyl alcohol        | 5.210          | 59   | 11576      | 8.775     | ug/l # | 72       |
| 16) Acetone                   | 4.257          | 43   | 4498       | 1.617     | ug/l # | 83       |
| 18) Methyl Acetate            | 4.781          | 43   | 70616      | 8.019     | ug/l   | 95       |
| 20) Methylene Chloride        | 4.957          | 84   | 3318       | 0.565     | ug/l # | 79       |
| 25) 2-Butanone                | 7.281          | 43   | 2263       | 0.513     | ug/l # | 45       |
| 26) 2,2-Dichloropropane       | 7.292          | 77   | 2977       | 0.339     | ug/l # | 53       |
| 29) Tetrahydrofuran           | 7.628          | 42   | 3869       | 1.367     | ug/l   | 94       |
| 31) Cyclohexane               | 8.004          | 56   | 9600       | 1.168     | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 8.004          | 75   | 38214      | 5.367     | ug/l # | 49       |
| 37) Ethyl Acetate             | 7.281          | 43   | 2263       | 0.262     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 8.004          | 117  | 51631      | 6.344     | ug/l # | 16       |
| 41) Methacrylonitrile         | 7.628          | 41   | 2477       | 0.635     | ug/l # | 23       |
| 43) Isopropyl Acetate         | 8.581          | 43   | 39379      | 3.205     | ug/l # | 54       |
| 58) 2-Chloroethyl Vinyl ether | 9.798          | 63   | 66         | Below Cal | #      | 44       |
| 76) 1,2,3-Trichloropropane    | 12.674         | 75   | 201075     | 19.567    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674         | 75   | 201075     | 56.898    | ug/l # | 11       |
| -----                         |                |      |            |           |        |          |

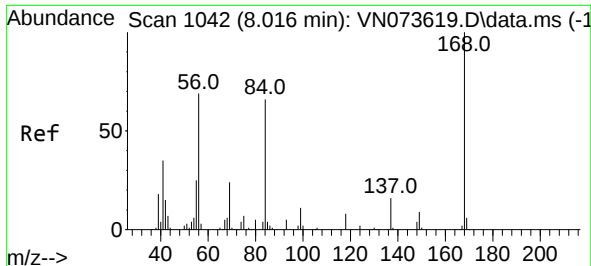
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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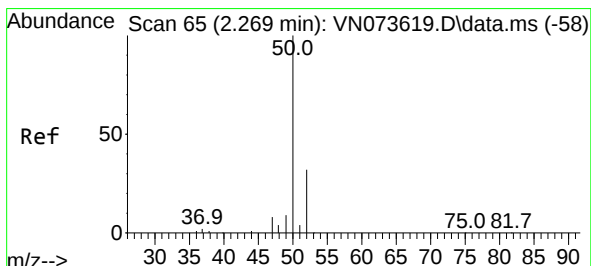
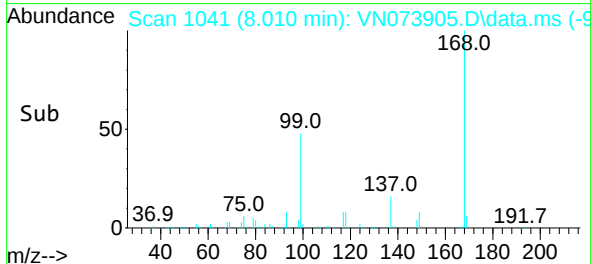
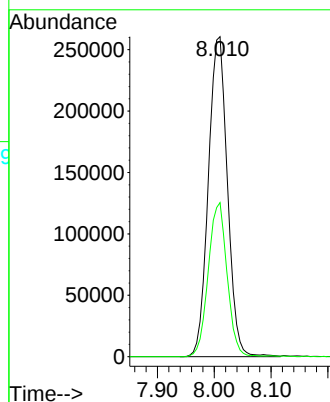
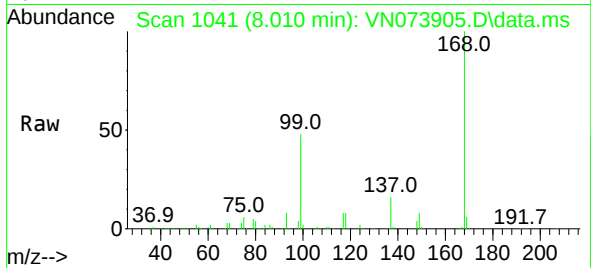




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.010 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

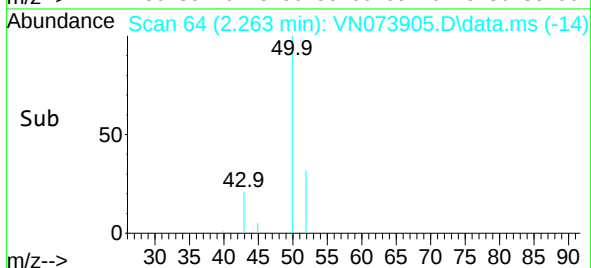
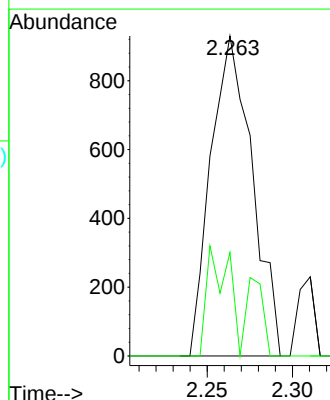
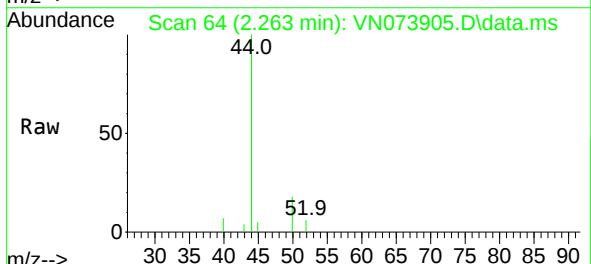
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

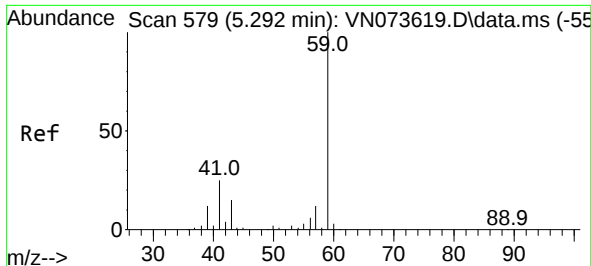
Tgt Ion:168 Resp: 605484  
Ion Ratio Lower Upper  
168 100  
99 48.2 42.3 63.5



#3  
Chloromethane  
Concen: 0.294 ug/l  
RT: 2.263 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 50 Resp: 1567  
Ion Ratio Lower Upper  
50 100  
52 32.4 25.7 38.5





#11

Tert butyl alcohol

Concen: 8.775 ug/l

RT: 5.210 min Scan# 5

Delta R.T. -0.082 min

Lab File: VN073905.D

Acq: 15 Aug 2022 19:10

Instrument :

MSVOA\_N

ClientSampleId :

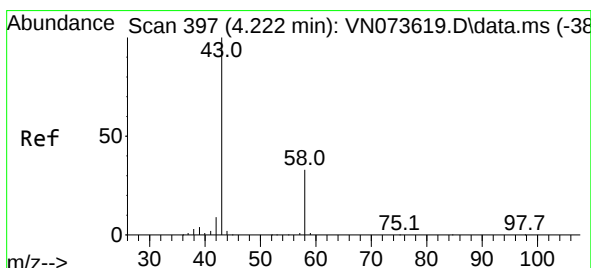
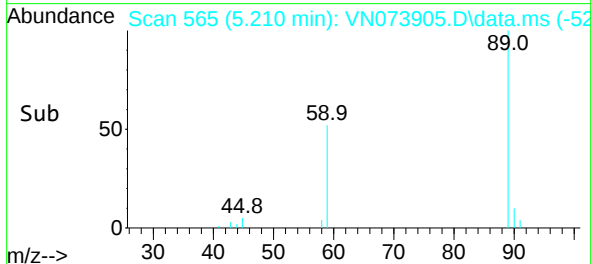
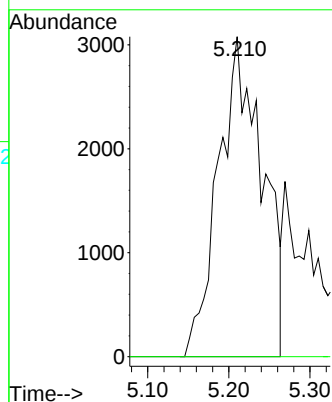
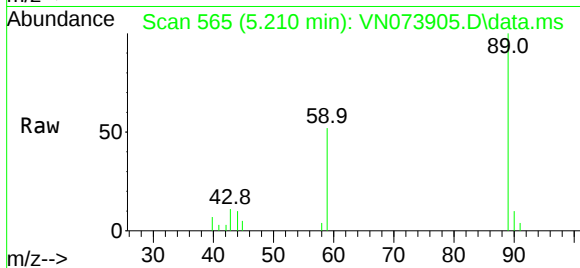
CL-01-081022

Tgt Ion: 59 Resp: 11576

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.617 ug/l

RT: 4.257 min Scan# 403

Delta R.T. 0.035 min

Lab File: VN073905.D

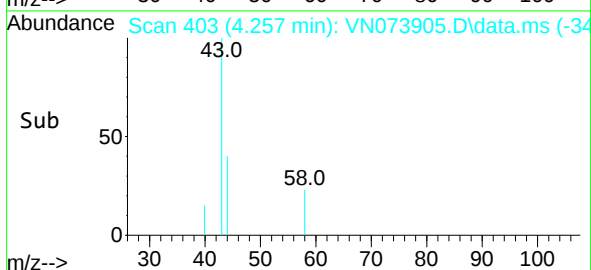
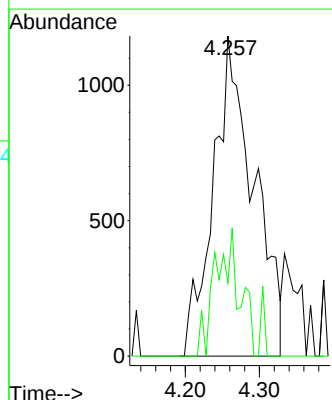
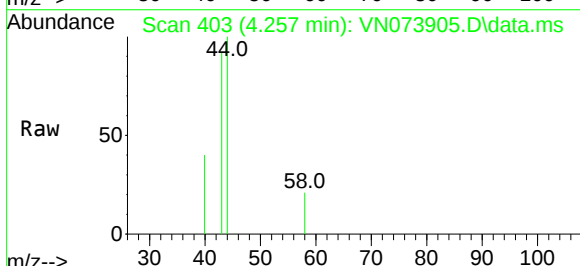
Acq: 15 Aug 2022 19:10

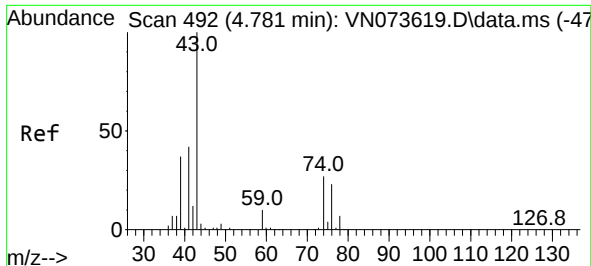
Tgt Ion: 43 Resp: 4498

Ion Ratio Lower Upper

43 100

58 22.8 26.0 39.0#

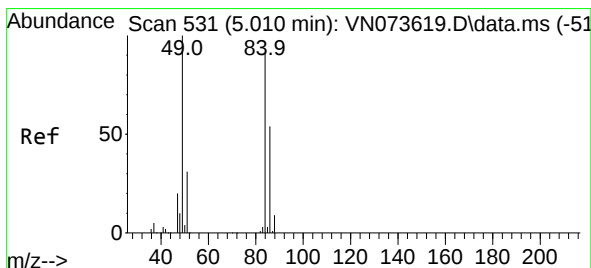
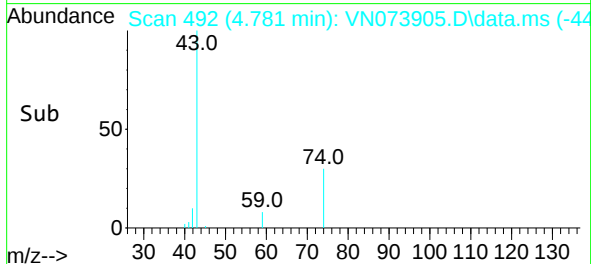
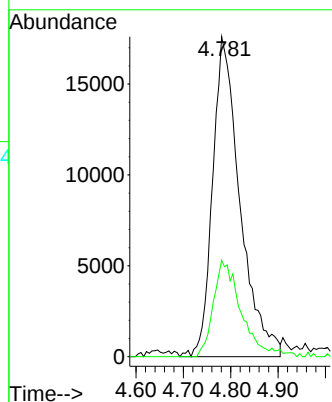
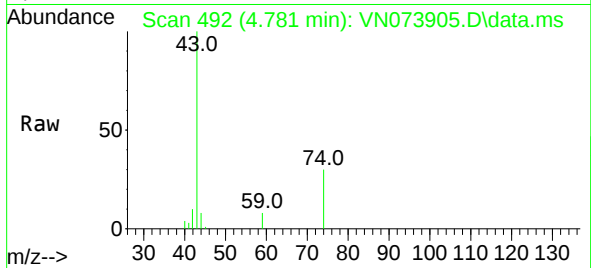




#18  
Methyl Acetate  
Concen: 8.019 ug/l  
RT: 4.781 min Scan# 492  
Delta R.T. -0.000 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

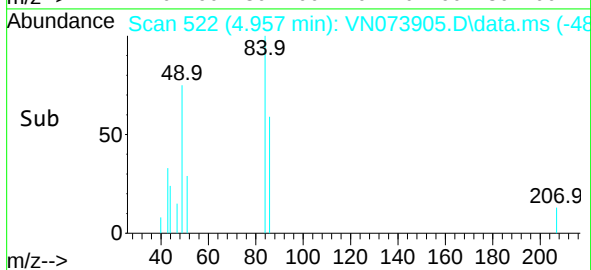
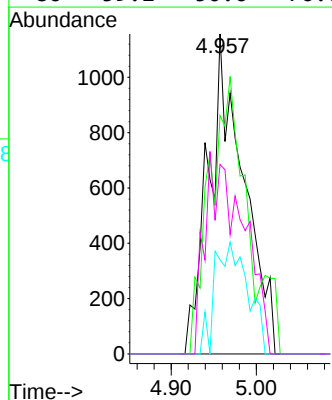
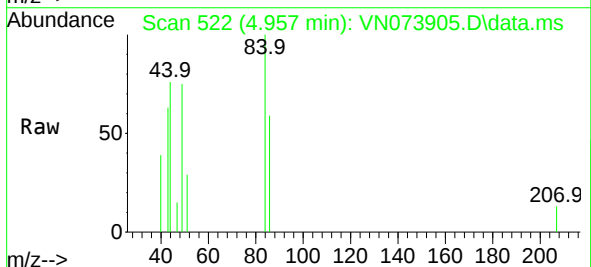
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CL-01-081022

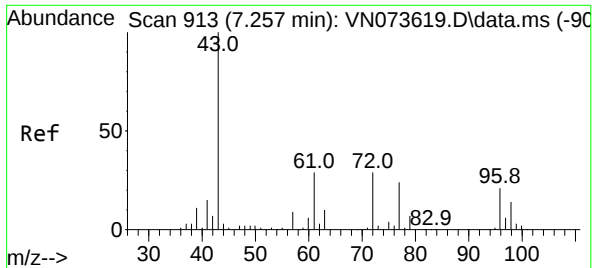
Tgt Ion: 43 Resp: 70616  
Ion Ratio Lower Upper  
43 100  
74 29.5 21.6 32.4



#20  
Methylene Chloride  
Concen: 0.565 ug/l  
RT: 4.957 min Scan# 522  
Delta R.T. -0.053 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 84 Resp: 3318  
Ion Ratio Lower Upper  
84 100  
49 74.5 88.3 132.5#  
51 29.4 28.2 42.2  
86 59.2 50.6 76.0

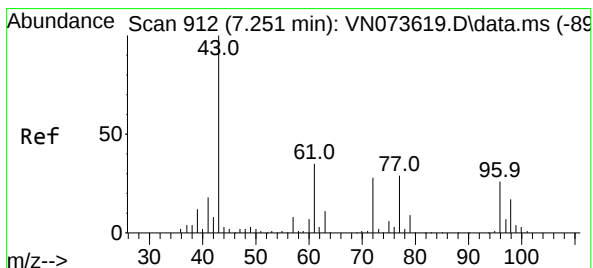
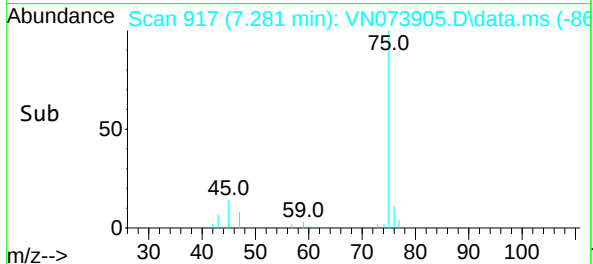
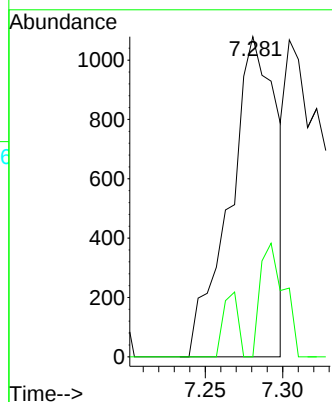
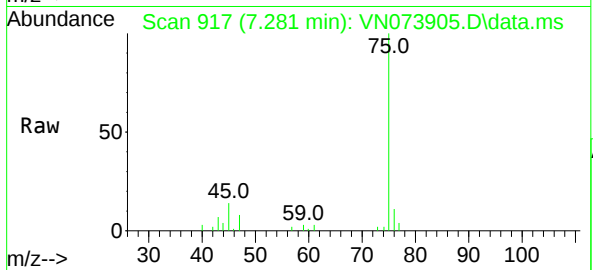




#25  
2-Butanone  
Concen: 0.513 ug/l  
RT: 7.281 min Scan# 917  
Delta R.T. 0.024 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

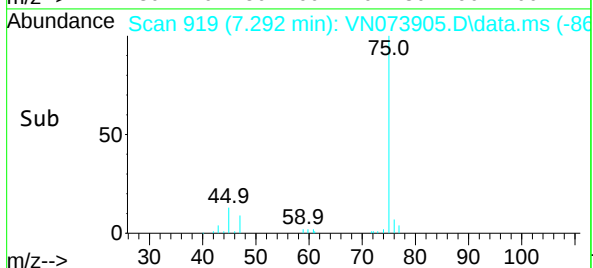
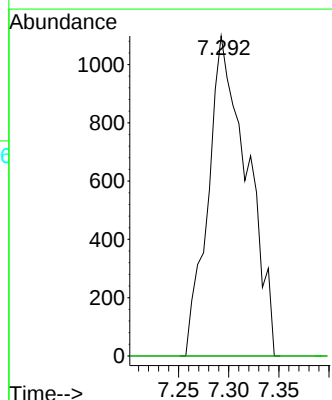
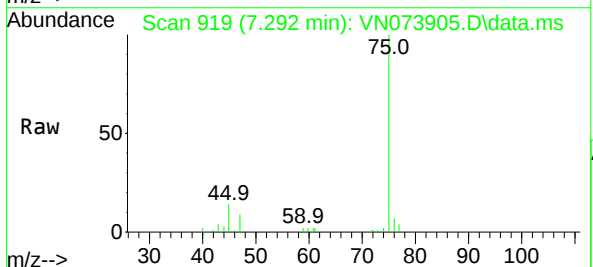
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

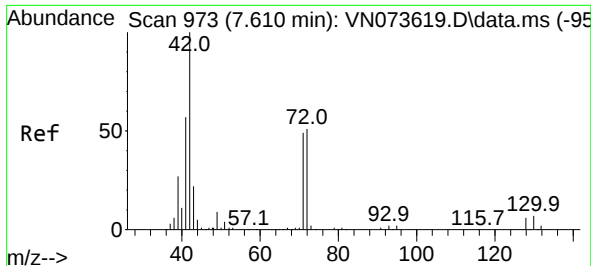
Tgt Ion: 43 Resp: 2263  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.7 35.5#



#26  
2,2-Dichloropropane  
Concen: 0.339 ug/l  
RT: 7.292 min Scan# 919  
Delta R.T. 0.041 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 77 Resp: 2977  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.367 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073905.D

Acq: 15 Aug 2022 19:10

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-081022

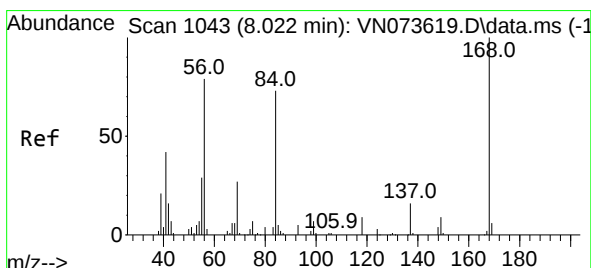
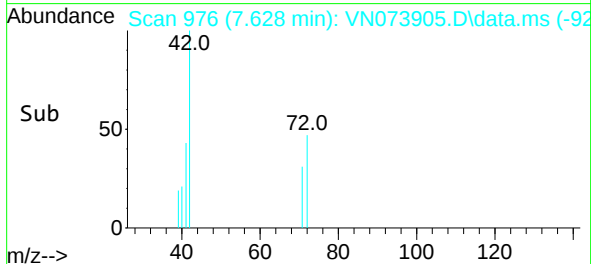
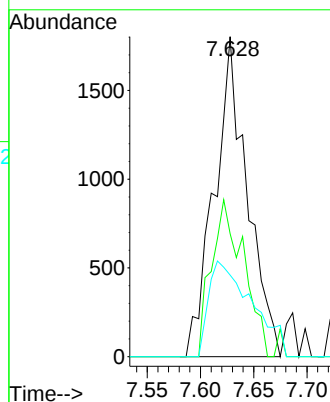
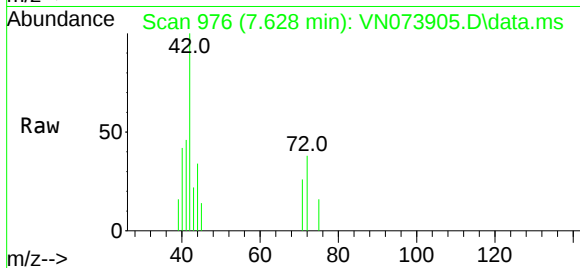
Tgt Ion: 42 Resp: 3869

Ion Ratio Lower Upper

42 100

72 48.2 39.7 59.5

71 39.1 36.6 55.0



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.018 min

Lab File: VN073905.D

Acq: 15 Aug 2022 19:10

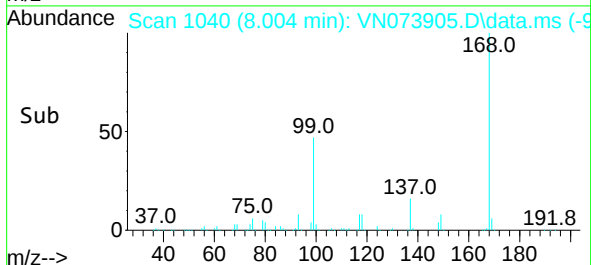
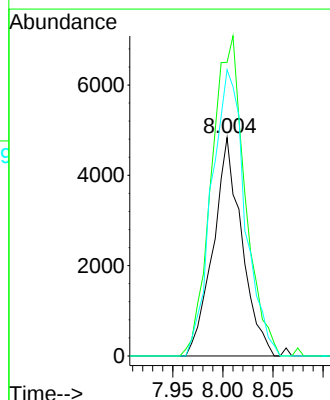
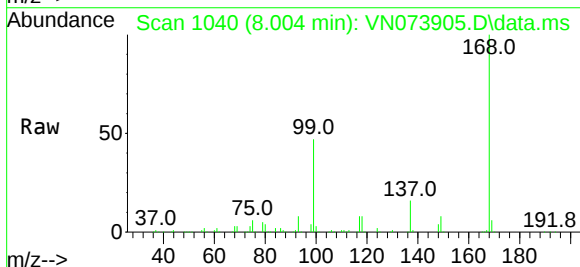
Tgt Ion: 56 Resp: 9600

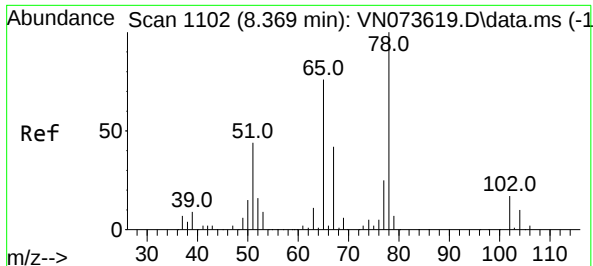
Ion Ratio Lower Upper

56 100

69 134.5 27.8 41.8#

84 131.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.373 ug/l

RT: 8.363 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN073905.D

Acq: 15 Aug 2022 19:10

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ClientSampleId :

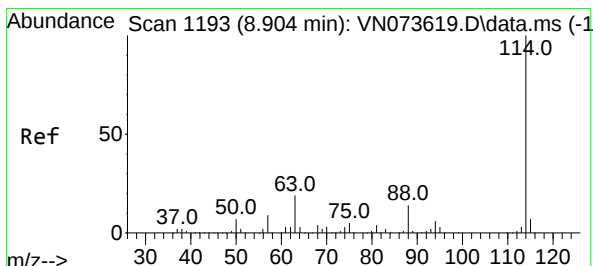
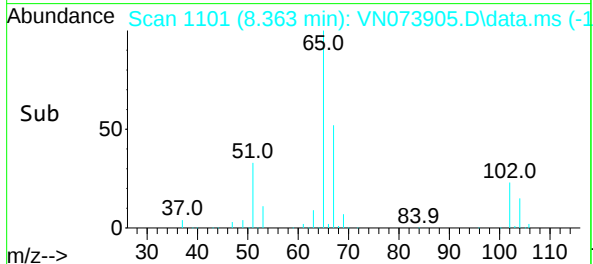
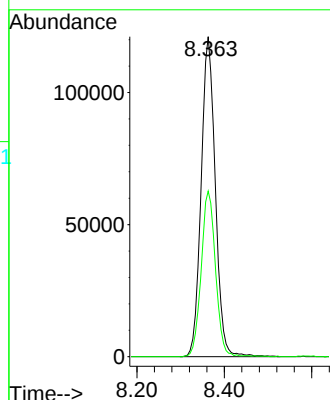
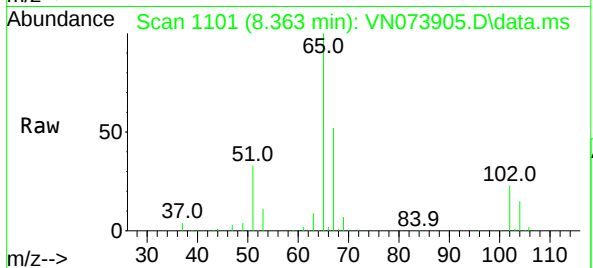
CL-01-081022

Tgt Ion: 65 Resp: 273479

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073905.D

Acq: 15 Aug 2022 19:10

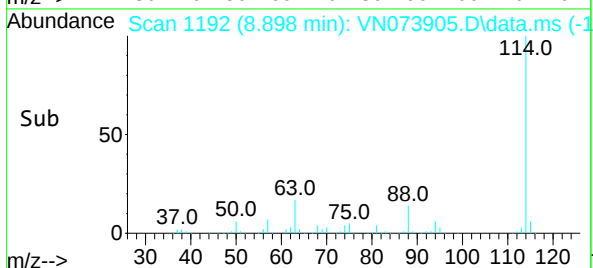
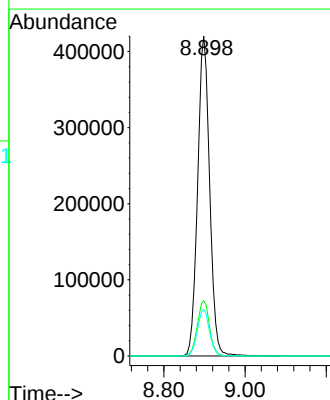
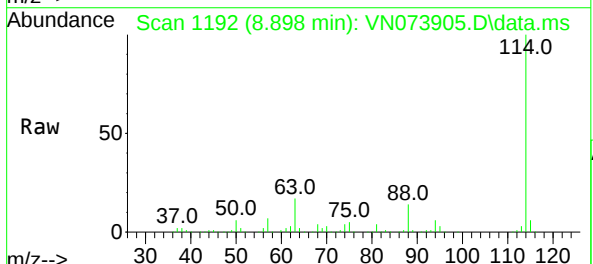
Tgt Ion: 114 Resp: 866750

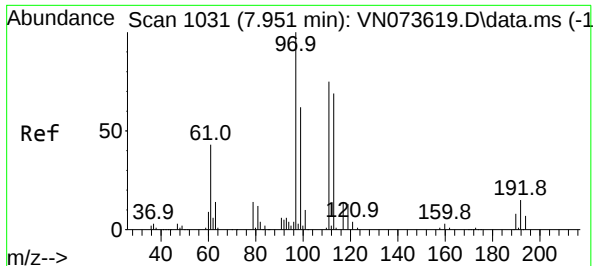
Ion Ratio Lower Upper

114 100

63 17.2 0.0 40.0

88 14.5 0.0 32.6

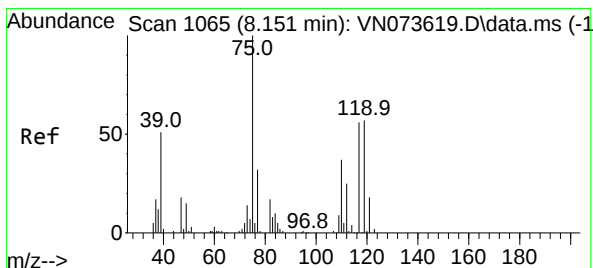
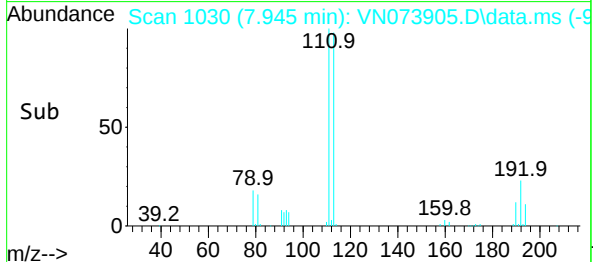
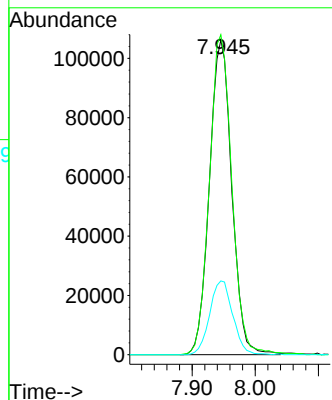
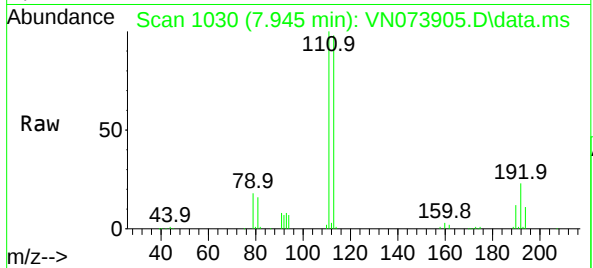




#35  
Dibromofluoromethane  
Concen: 50.936 ug/l  
RT: 7.945 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

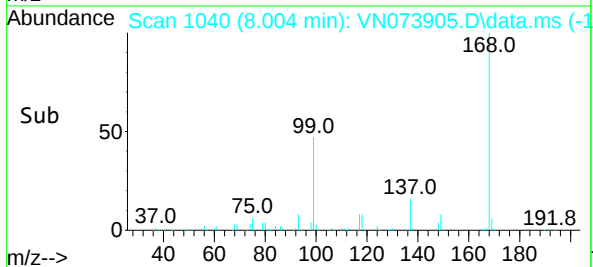
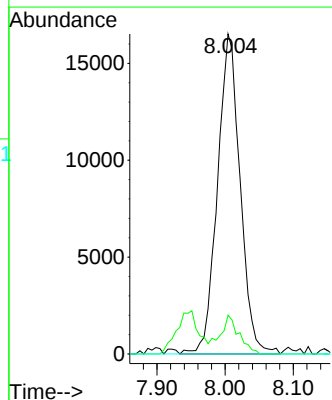
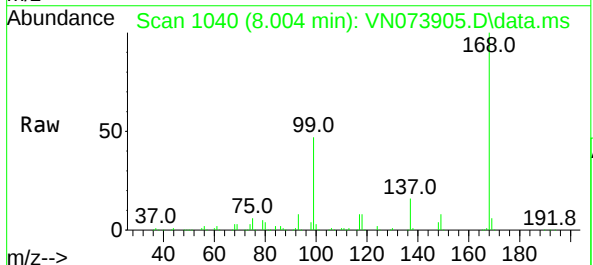
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

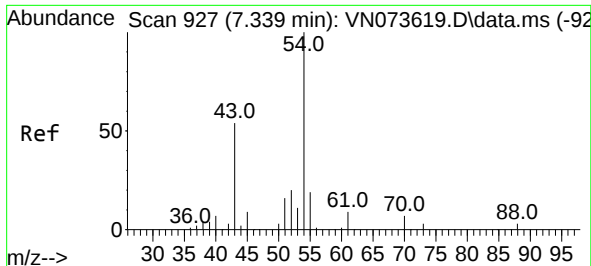
Tgt Ion:113 Resp: 261093  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.4 122.0  
192 24.2 17.0 25.6



#36  
1,1-Dichloropropene  
Concen: 5.367 ug/l  
RT: 8.004 min Scan# 1040  
Delta R.T. -0.147 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 75 Resp: 38214  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.3 54.8#  
77 0.0 25.1 37.7#

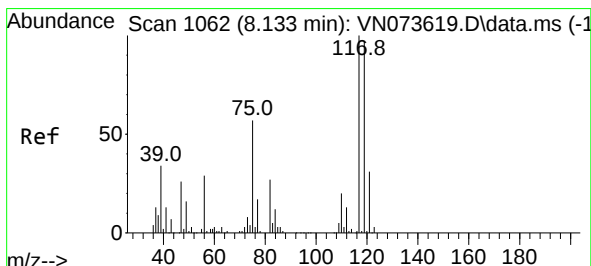
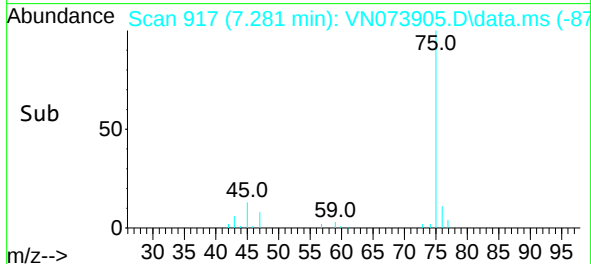
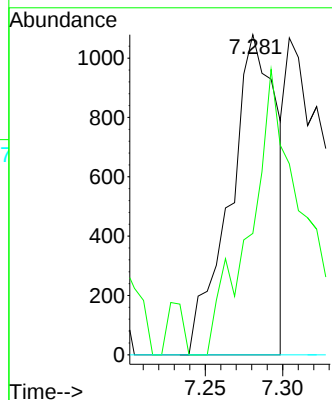
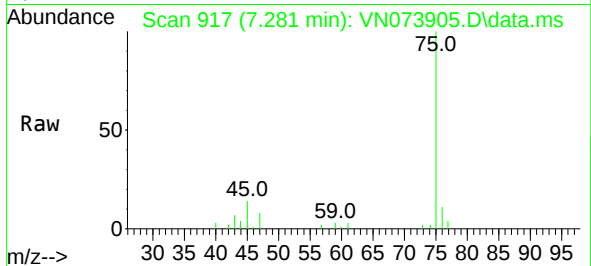




#37  
Ethyl Acetate  
Concen: 0.262 ug/l  
RT: 7.281 min Scan# 91  
Delta R.T. -0.059 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

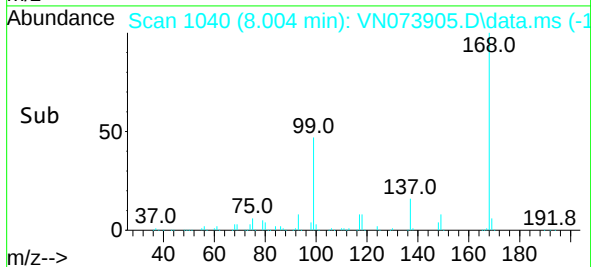
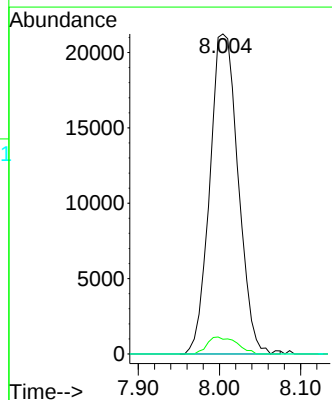
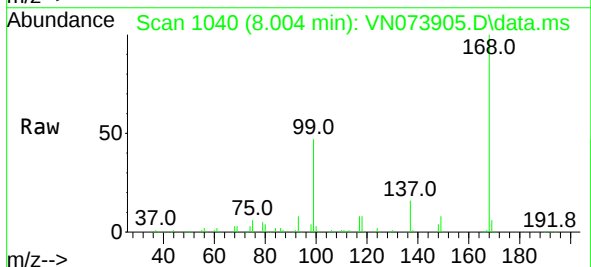
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

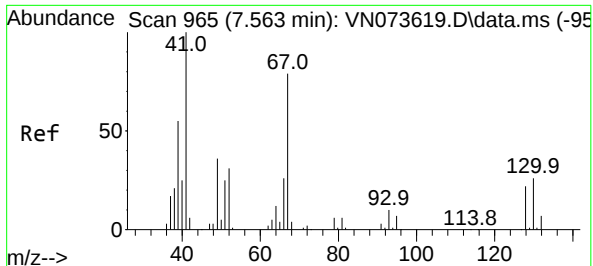
Tgt Ion: 43 Resp: 2263  
Ion Ratio Lower Upper  
43 100  
61 94.6 11.8 17.6#  
70 0.0 9.3 13.9#



#38  
Carbon Tetrachloride  
Concen: 6.344 ug/l  
RT: 8.004 min Scan# 1040  
Delta R.T. -0.129 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 117 Resp: 51631  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.8 113.8#  
121 0.0 24.6 37.0#

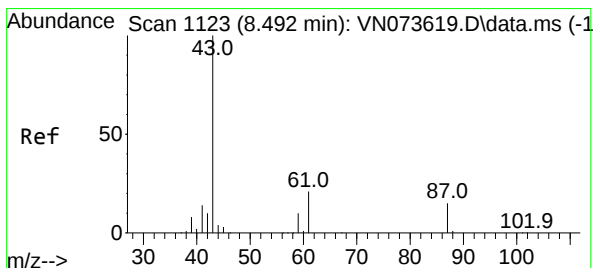
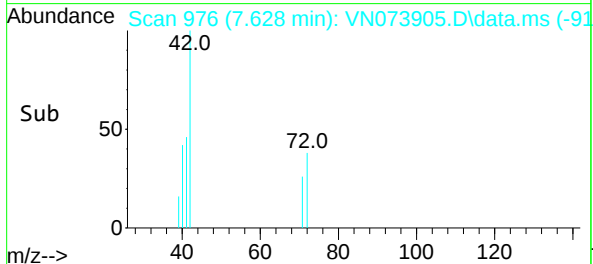
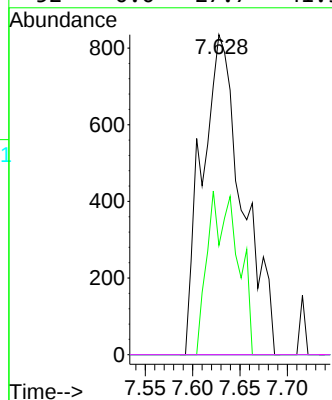
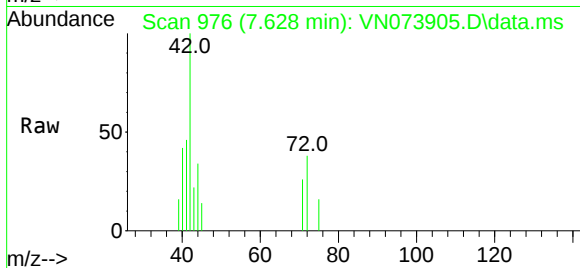




#41  
Methacrylonitrile  
Concen: 0.635 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. 0.065 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

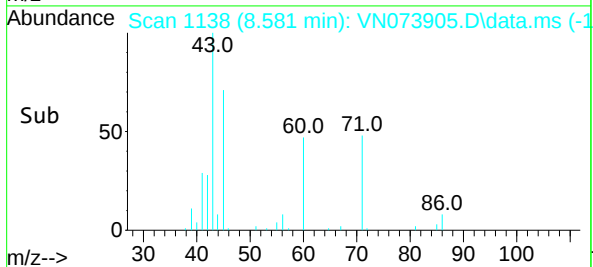
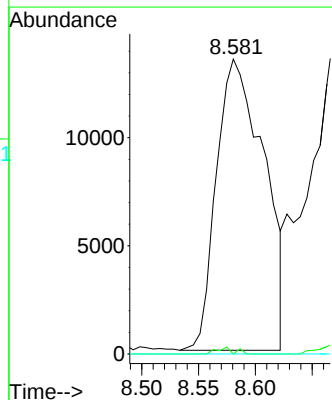
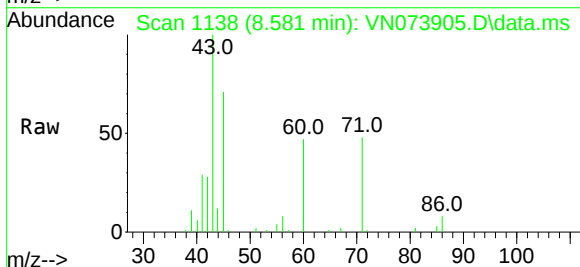
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

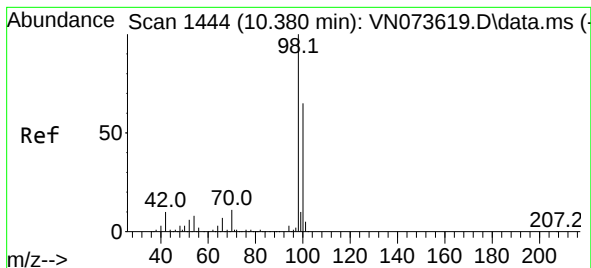
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 2477   |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 16.3  | 48.6  | 73.0#  |
| 67       | 0.0   | 73.4  | 110.2# |
| 52       | 0.0   | 27.7  | 41.5#  |



#43  
Isopropyl Acetate  
Concen: 3.205 ug/l  
RT: 8.581 min Scan# 1138  
Delta R.T. 0.088 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 39379 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.8   | 21.9  | 32.9# |
| 87       | 0.0   | 12.0  | 18.0# |

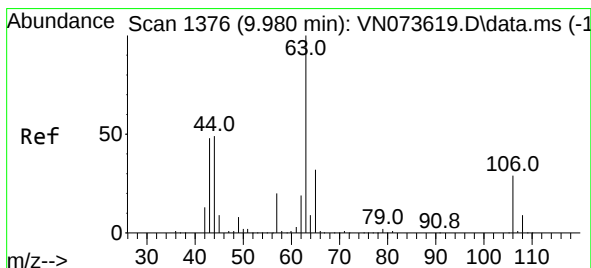
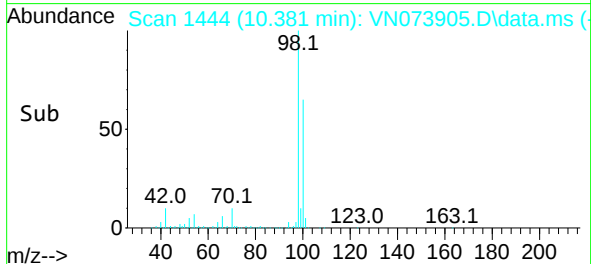
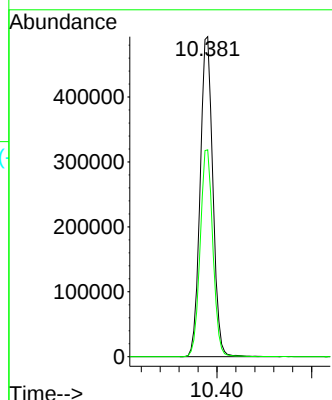
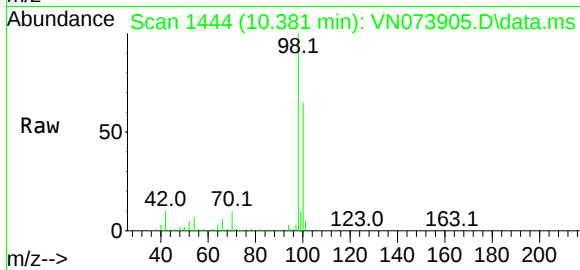




#50  
Toluene-d8  
Concen: 46.228 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

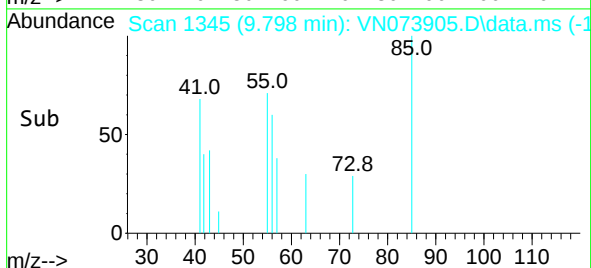
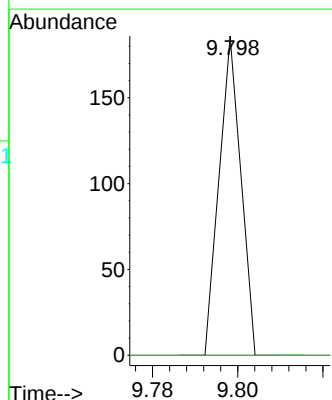
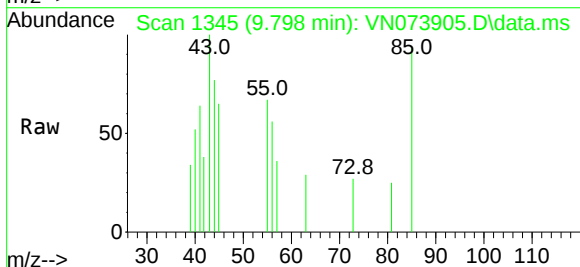
Instrument :  
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ClientSampleId :  
CL-01-081022

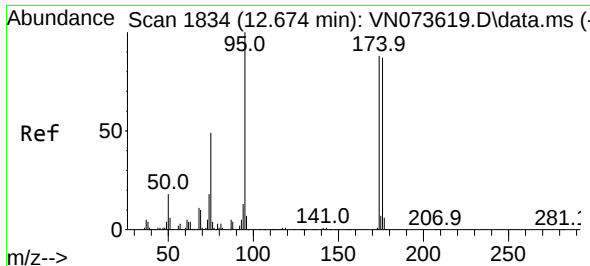
Tgt Ion: 98 Resp: 917725  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8



#58  
2-Chloroethyl Vinyl ether  
Concen: Below Cal  
RT: 9.798 min Scan# 1345  
Delta R.T. -0.182 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 63 Resp: 66  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.6 36.8#

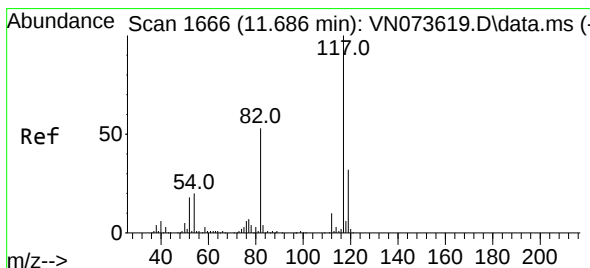
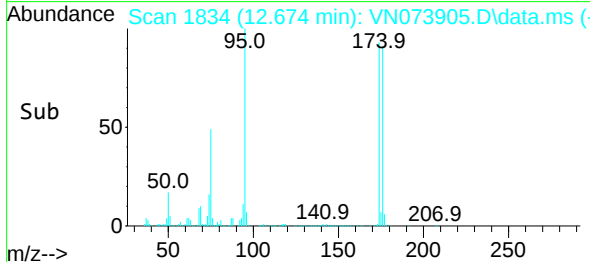
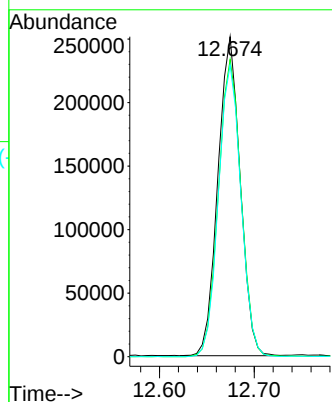
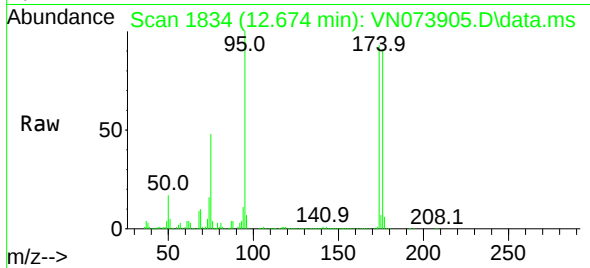




#62  
4-Bromofluorobenzene  
Concen: 62.440 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

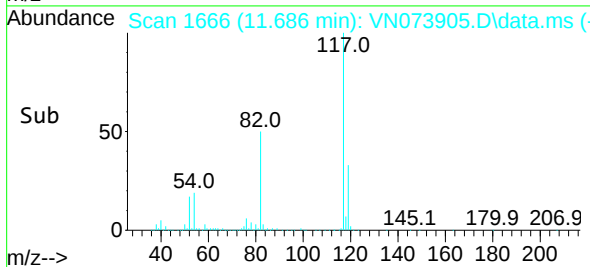
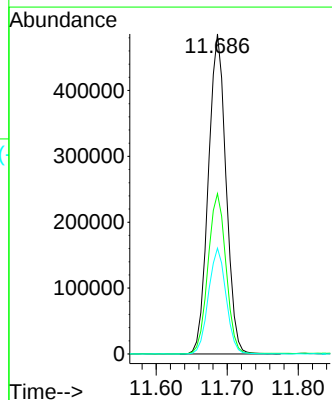
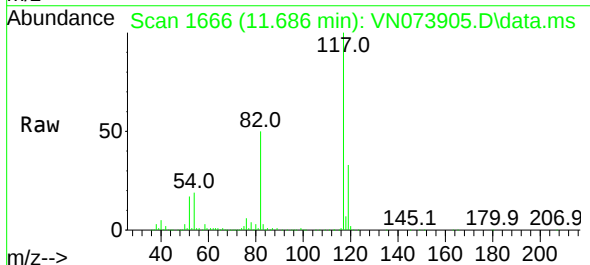
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-081022

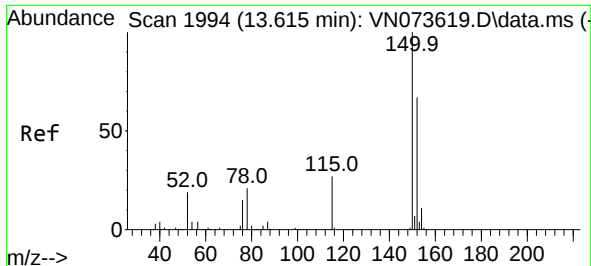
Tgt Ion: 95 Resp: 411389  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 167.6  
176 92.2 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN073905.D  
Acq: 15 Aug 2022 19:10

Tgt Ion: 117 Resp: 839306  
Ion Ratio Lower Upper  
117 100  
82 50.0 44.2 66.2  
119 33.1 25.4 38.0

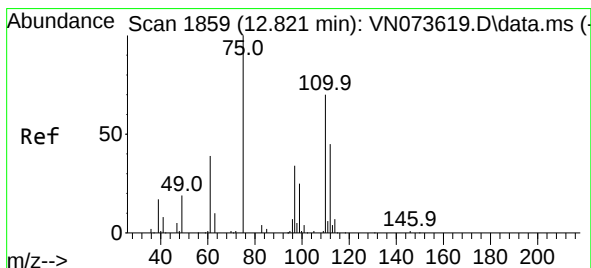
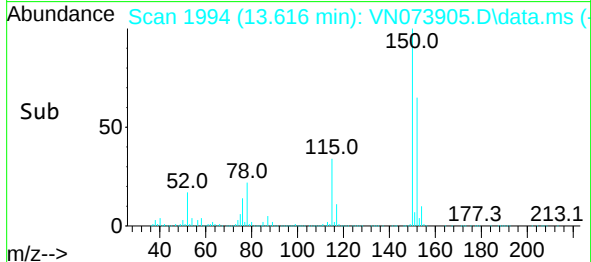
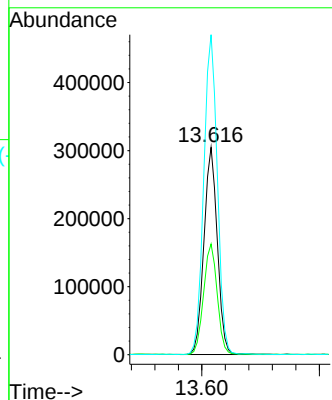
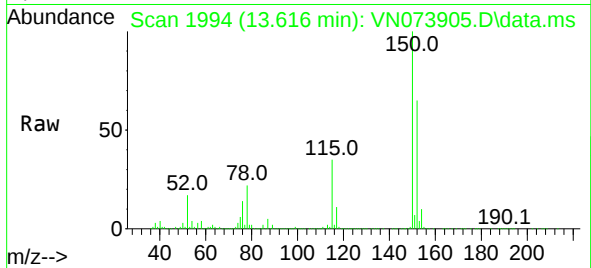




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.616 min Scan# 1994  
 Delta R.T. 0.000 min  
 Lab File: VN073905.D  
 Acq: 15 Aug 2022 19:10

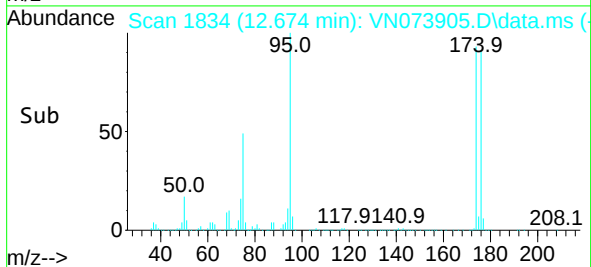
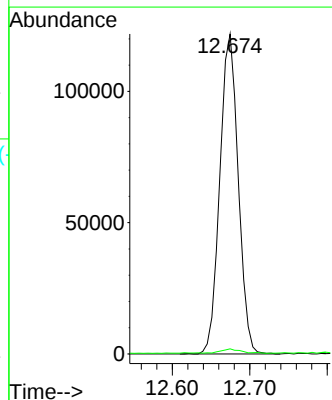
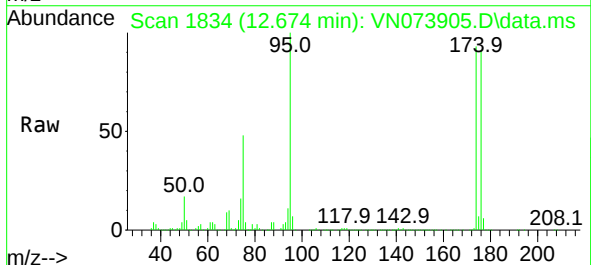
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-081022

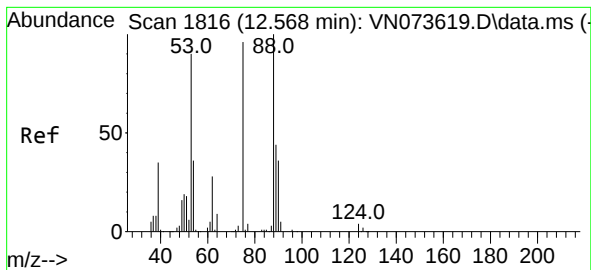
Tgt Ion:152 Resp: 483584  
 Ion Ratio Lower Upper  
 152 100  
 115 54.0 28.9 86.7  
 150 156.1 0.0 356.2



#76  
 1,2,3-Trichloropropane  
 Concen: 19.567 ug/l  
 RT: 12.674 min Scan# 1834  
 Delta R.T. -0.147 min  
 Lab File: VN073905.D  
 Acq: 15 Aug 2022 19:10

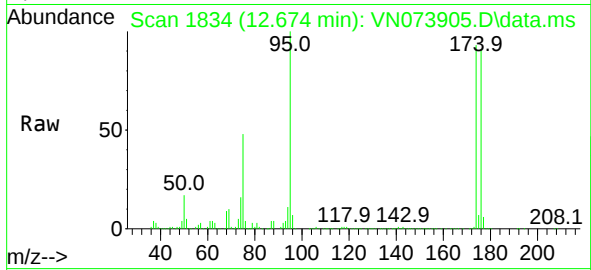
Tgt Ion: 75 Resp: 201075  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 98.5 295.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 56.898 ug/l  
 RT: 12.674 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VN073905.D  
 Acq: 15 Aug 2022 19:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-081022



Tgt Ion: 75 Resp: 201075  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.1   | 78.0  | 117.0# |
| 89  | 0.1   | 37.2  | 55.8#  |

