

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070722\  
 Data File : VN073366.D  
 Acq On : 07 Jul 2022 13:05  
 Operator : JC\MD  
 Sample : N3595-16  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20220493-FIELD-BLANK

Quant Time: Jul 08 03:01:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

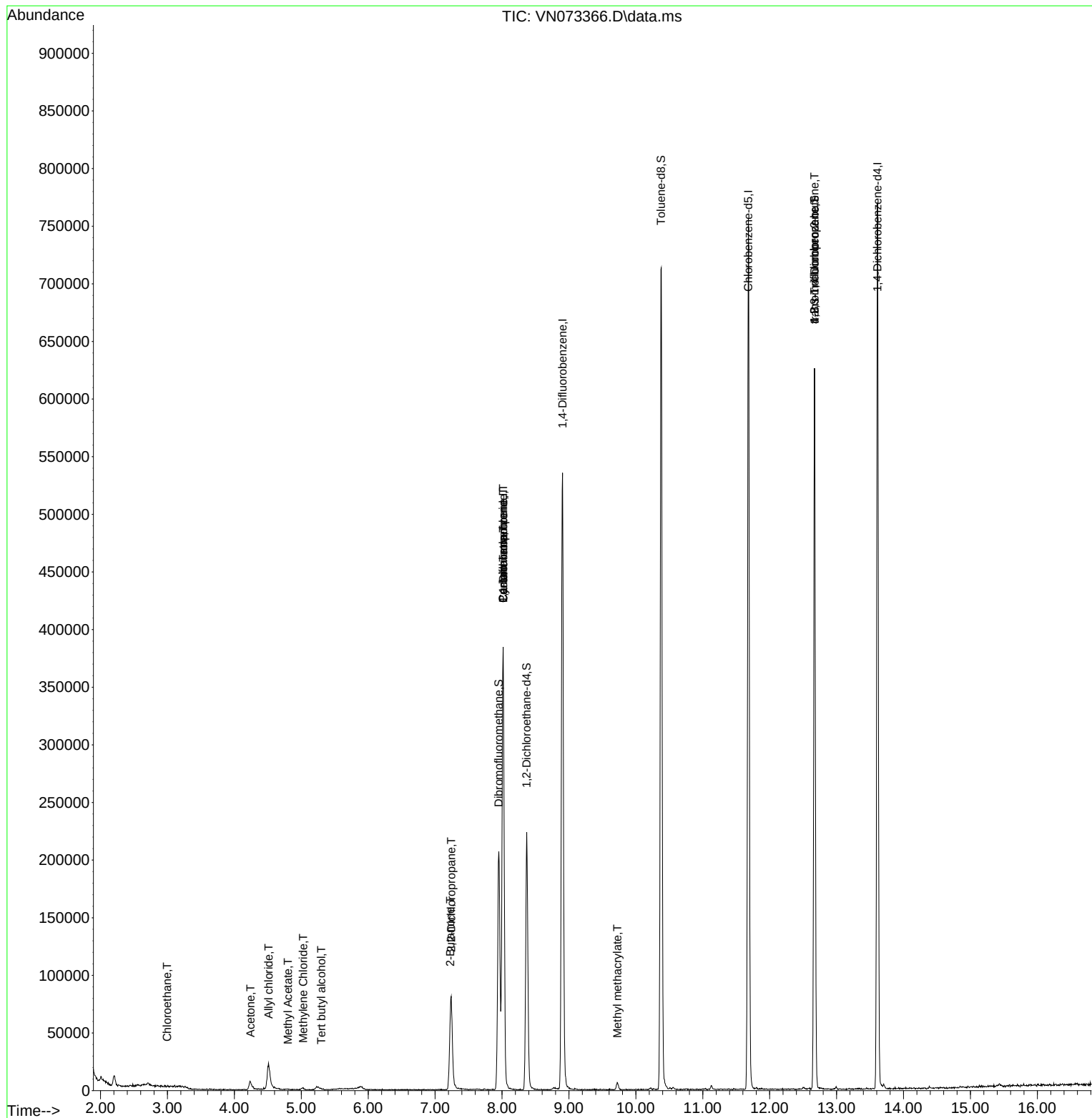
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 287794   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 480073   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.681 | 117   | 431590   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.610 | 152   | 204952   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 183661   | 44.206   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 88.420%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 154416   | 48.346   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 96.700%  |
| 50) Toluene-d8                | 10.375 | 98    | 504901   | 44.508   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 89.020%  |
| 62) 4-Bromofluorobenzene      | 12.669 | 95    | 218676   | 50.161   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 100.320% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Chloroethane               | 2.993  | 64    | 561      | 0.275    | ug/l # | 42       |
| 11) Tert butyl alcohol        | 5.299  | 59    | 927      | 0.921    | ug/l # | 72       |
| 14) Allyl chloride            | 4.511  | 41    | 4010     | 0.562    | ug/l # | 61       |
| 16) Acetone                   | 4.240  | 43    | 13369    | 5.733    | ug/l   | 94       |
| 18) Methyl Acetate            | 4.799  | 43    | 1788     | 0.274    | ug/l # | 48       |
| 20) Methylene Chloride        | 5.028  | 84    | 1312     | 0.320    | ug/l # | 49       |
| 25) 2-Butanone                | 7.228  | 43    | 4286     | 1.154    | ug/l # | 77       |
| 26) 2,2-Dichloropropane       | 7.240  | 77    | 5511     | 0.865    | ug/l # | 53       |
| 31) Cyclohexane               | 8.016  | 56    | 6447     | 0.947    | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 8.016  | 75    | 24789    | 5.044    | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 28582    | 5.624    | ug/l # | 18       |
| 48) Methyl methacrylate       | 9.722  | 41    | 2822     | 0.571    | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.669 | 75    | 113774   | 21.230   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.669 | 75    | 113774   | 58.223   | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

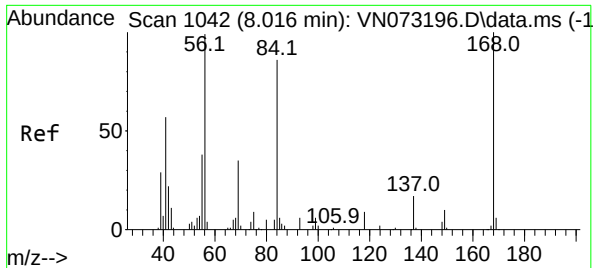
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
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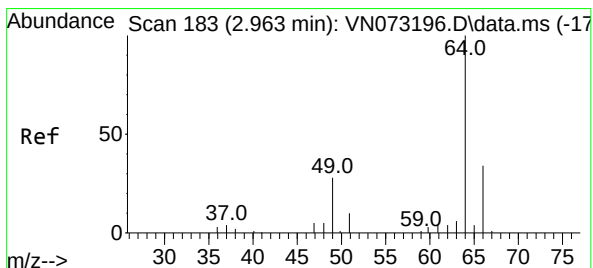
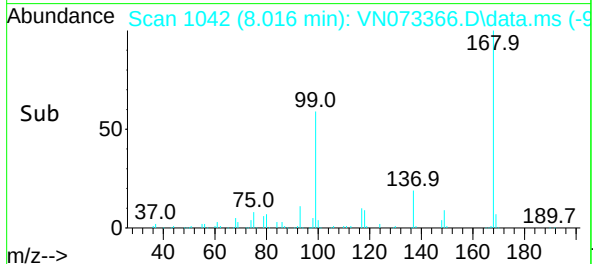
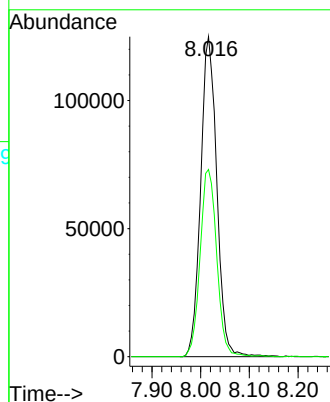
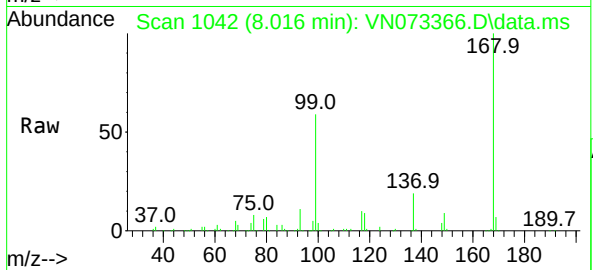




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

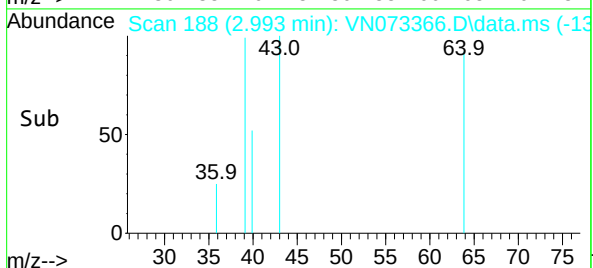
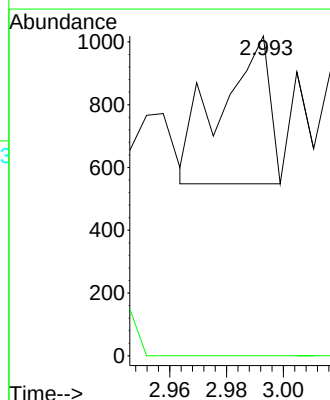
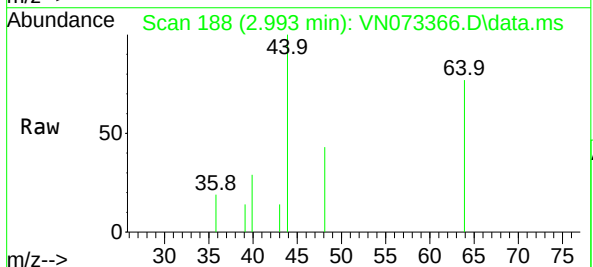
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MSVOA\_N  
ClientSampleId :  
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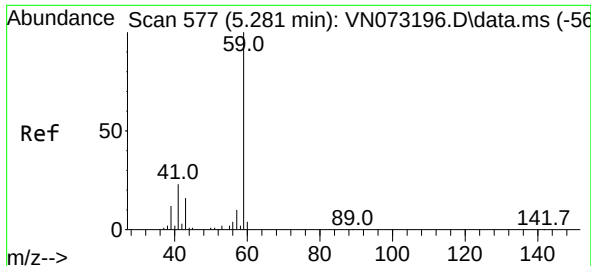
Tgt Ion:168 Resp: 287794  
Ion Ratio Lower Upper  
168 100  
99 58.5 42.3 63.5



#6  
Chloroethane  
Concen: 0.275 ug/l  
RT: 2.993 min Scan# 188  
Delta R.T. 0.030 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 64 Resp: 561  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#

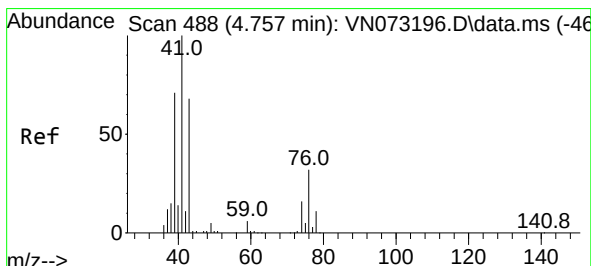
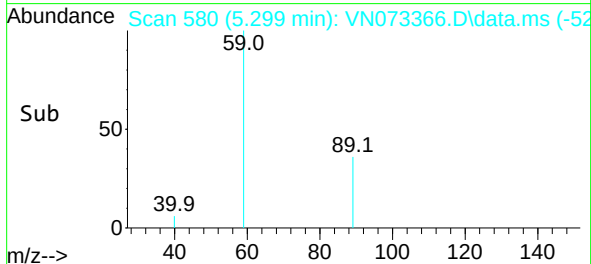
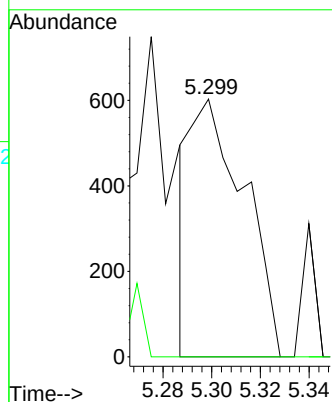
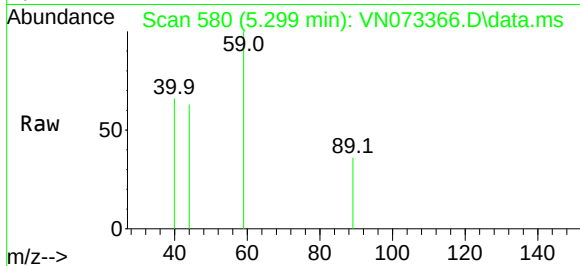




#11  
Tert butyl alcohol  
Concen: 0.921 ug/l  
RT: 5.299 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

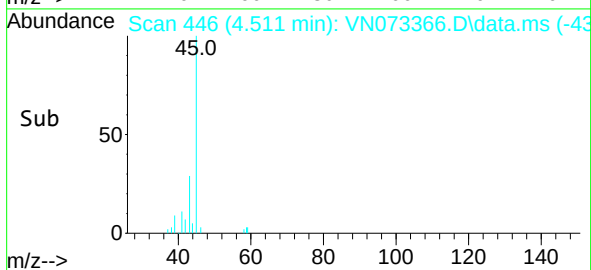
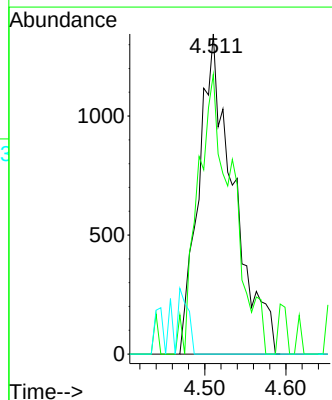
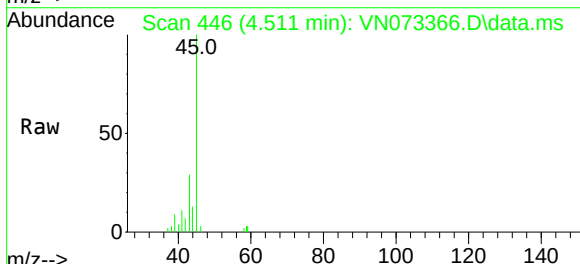
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ClientSampleId :  
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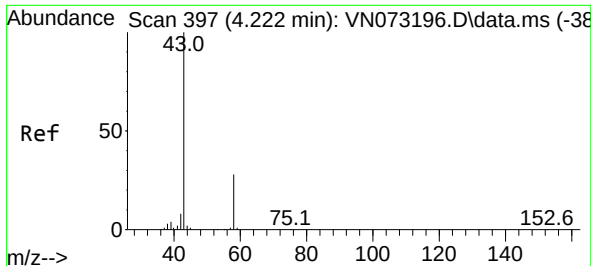
Tgt Ion: 59 Resp: 927  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#14  
Allyl chloride  
Concen: 0.562 ug/l  
RT: 4.511 min Scan# 446  
Delta R.T. -0.246 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 41 Resp: 4010  
Ion Ratio Lower Upper  
41 100  
39 86.6 53.2 79.8#  
76 0.0 29.9 44.9#

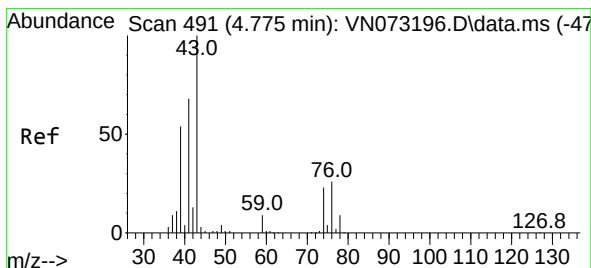
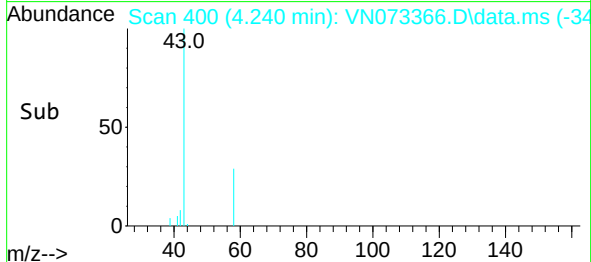
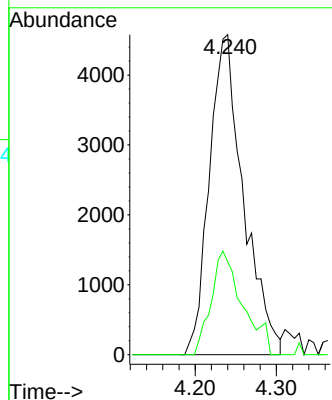
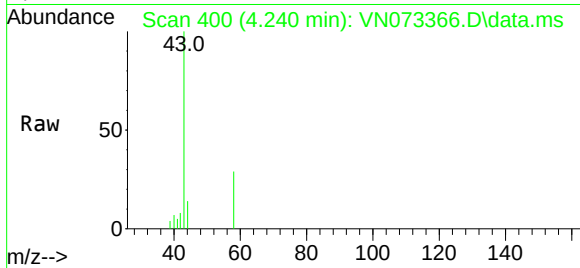




#16  
Acetone  
Concen: 5.733 ug/l  
RT: 4.240 min Scan# 400  
Delta R.T. 0.018 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

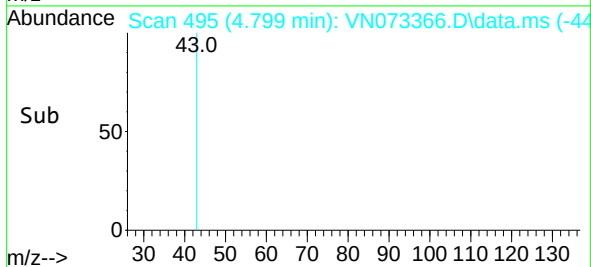
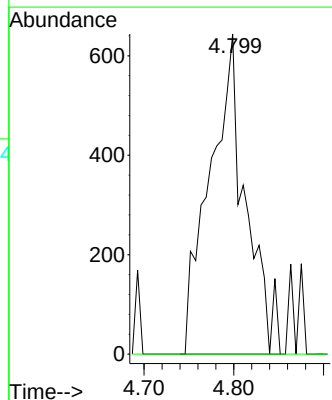
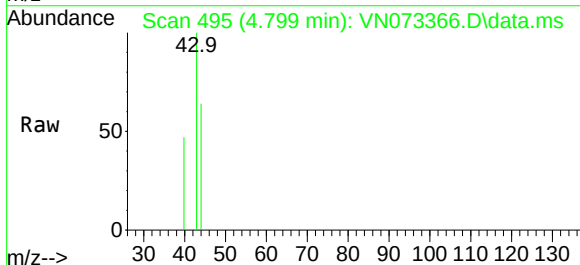
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ClientSampleId :  
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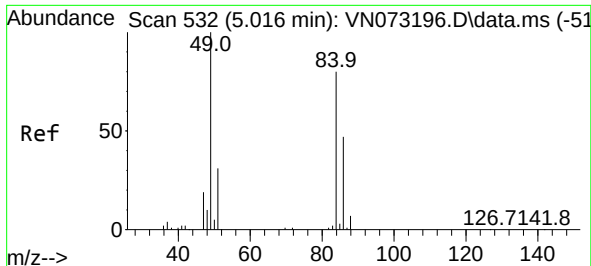
Tgt Ion: 43 Resp: 13369  
Ion Ratio Lower Upper  
43 100  
58 29.0 26.0 39.0



#18  
Methyl Acetate  
Concen: 0.274 ug/l  
RT: 4.799 min Scan# 495  
Delta R.T. 0.024 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 43 Resp: 1788  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.6 32.4#

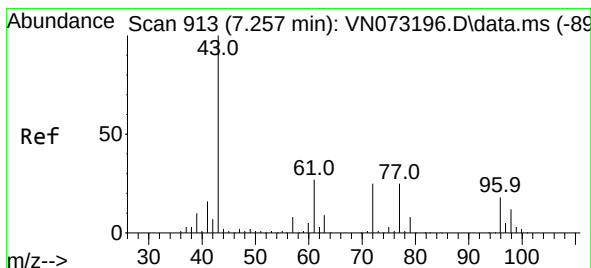
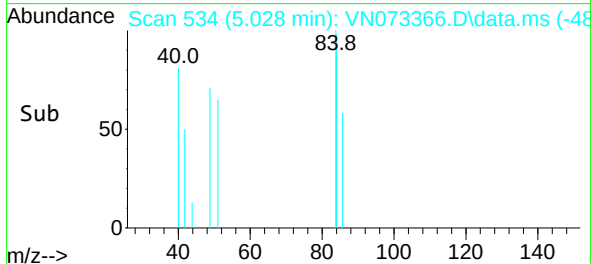
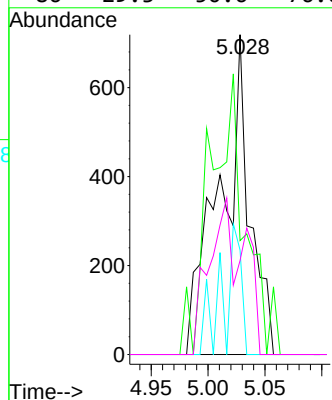
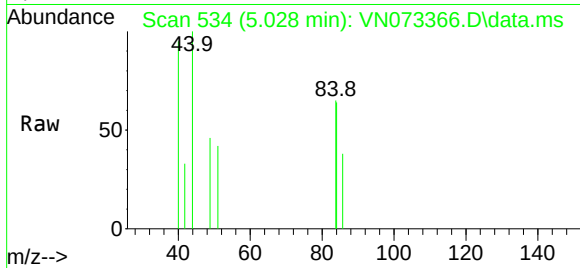




#20  
Methylene Chloride  
Concen: 0.320 ug/l  
RT: 5.028 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

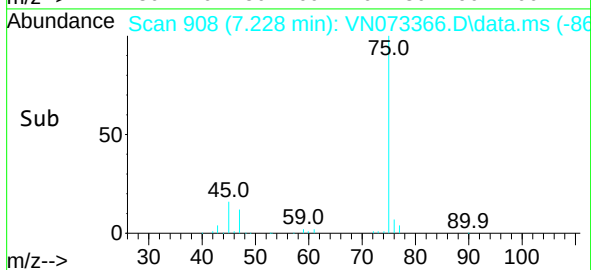
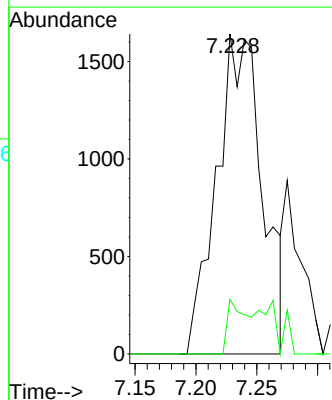
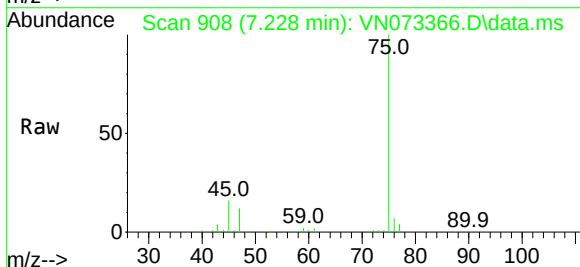
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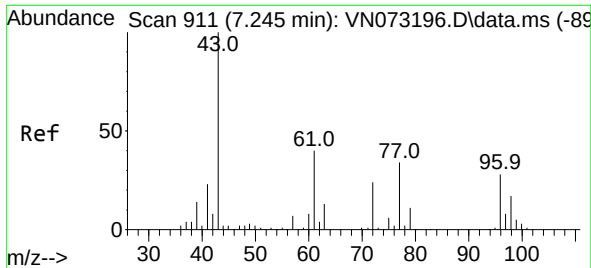
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1312   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 35.6  | 88.3  | 132.5# |
| 51       | 32.7  | 28.2  | 42.2   |
| 86       | 29.3  | 50.6  | 76.0#  |



#25  
2-Butanone  
Concen: 1.154 ug/l  
RT: 7.228 min Scan# 908  
Delta R.T. -0.029 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4286  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.1  | 23.7  | 35.5# |

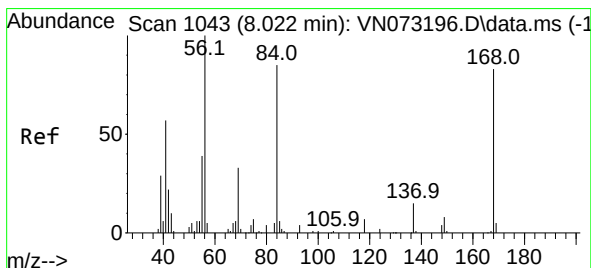
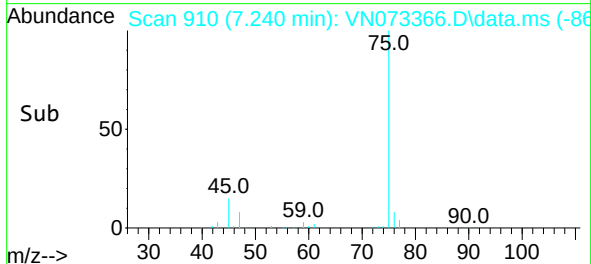
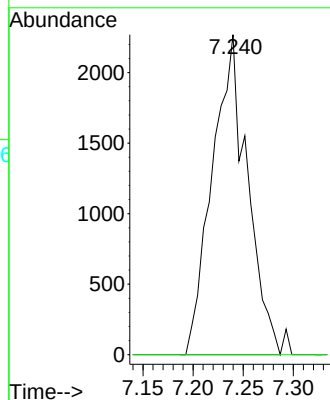
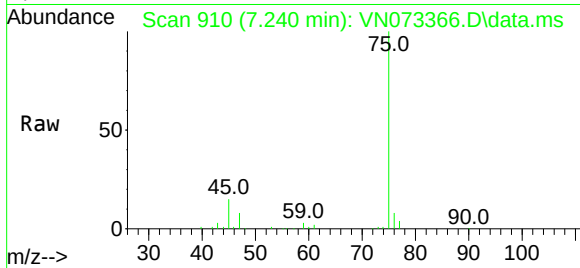




#26  
2,2-Dichloropropane  
Concen: 0.865 ug/l  
RT: 7.240 min Scan# 911  
Delta R.T. -0.005 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

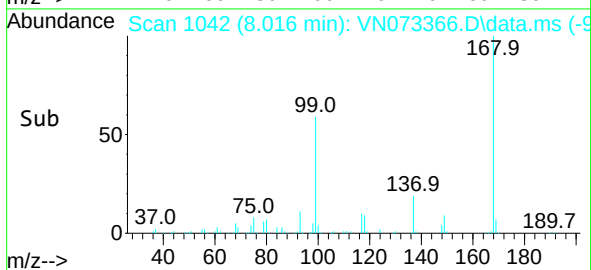
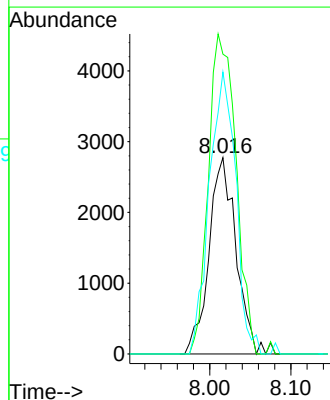
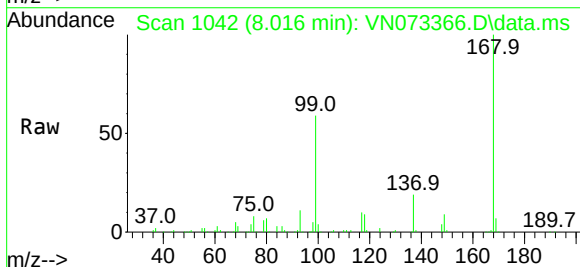
Instrument :  
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ClientSampleId :  
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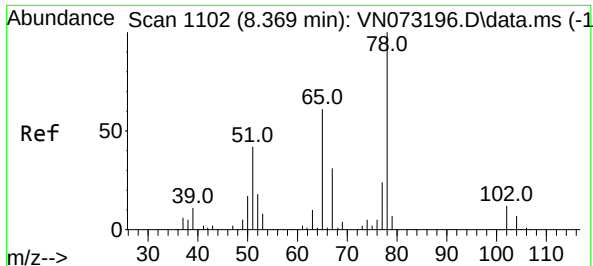
Tgt Ion: 77 Resp: 5511  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.2#



#31  
Cyclohexane  
Concen: 0.947 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 56 Resp: 6447  
Ion Ratio Lower Upper  
56 100  
69 152.7 27.8 41.8#  
84 143.5 76.9 115.3#

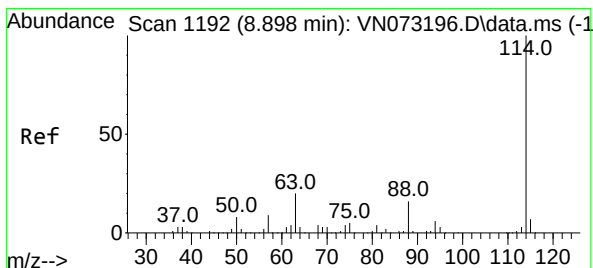
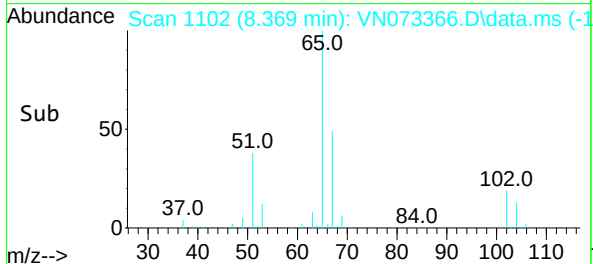
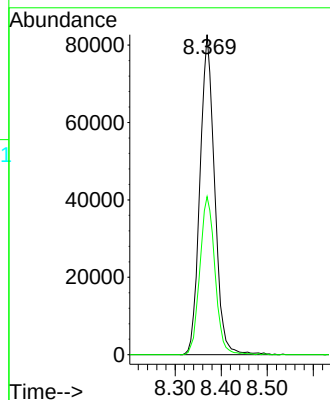
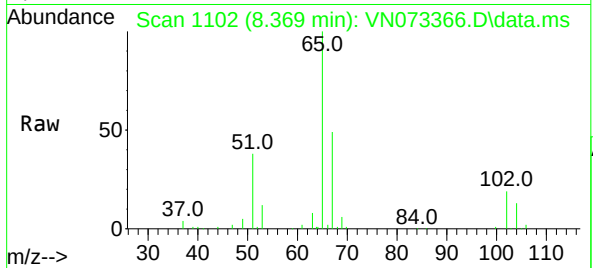




#33  
1,2-Dichloroethane-d4  
Concen: 44.206 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

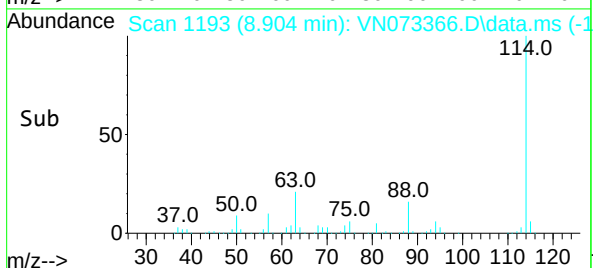
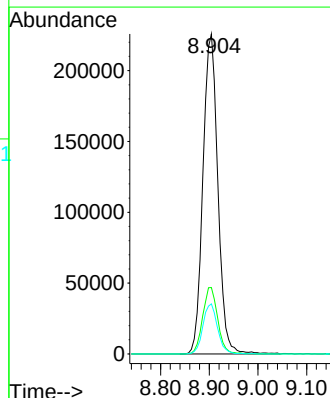
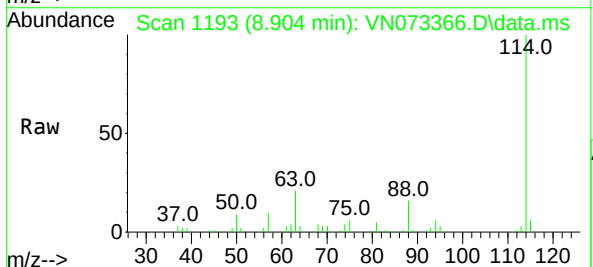
Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion: 65 Resp: 183661  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 104.8

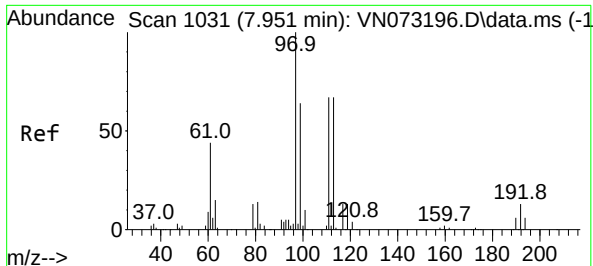


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.006 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 114 Resp: 480073  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 40.0  
88 15.7 0.0 32.6







#35

Dibromofluoromethane

Concen: 48.346 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073366.D

Acq: 07 Jul 2022 13:05

Instrument :

MSVOA\_N

ClientSampleId :

20220493-FIELD-BLANK

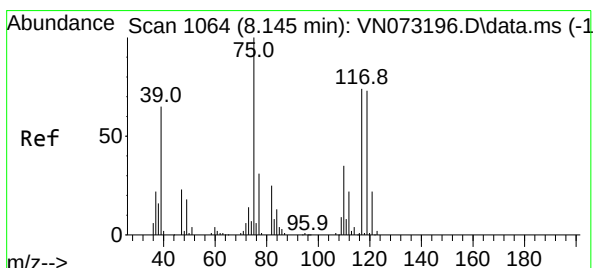
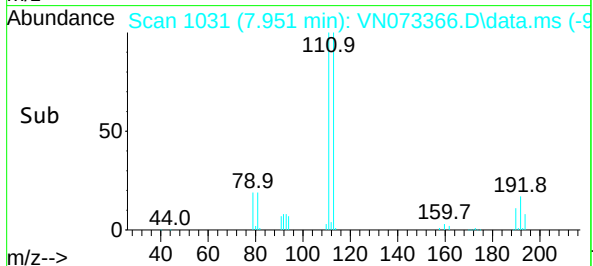
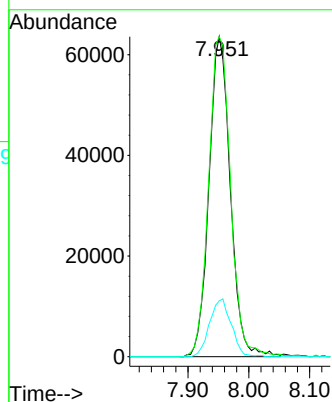
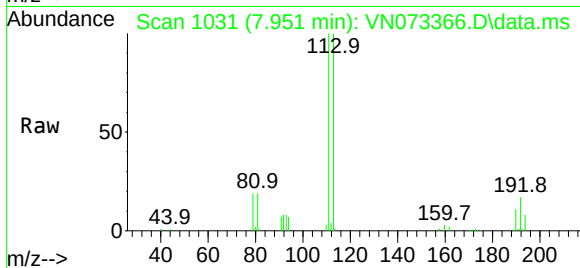
Tgt Ion:113 Resp: 154416

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 18.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073366.D

Acq: 07 Jul 2022 13:05

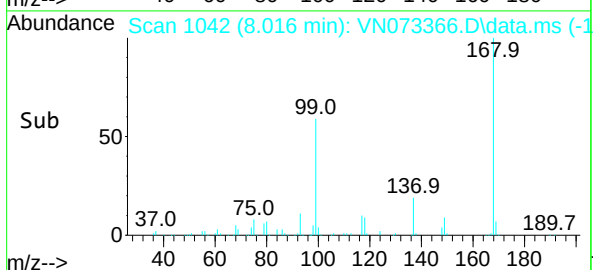
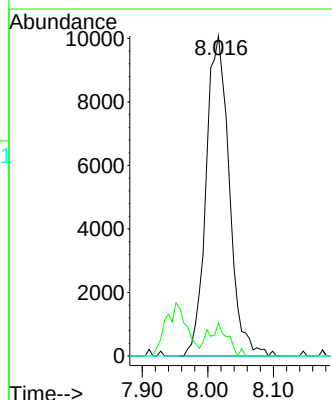
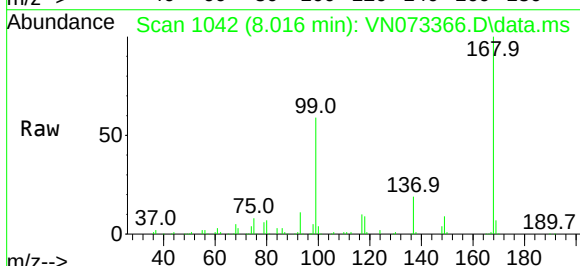
Tgt Ion: 75 Resp: 24789

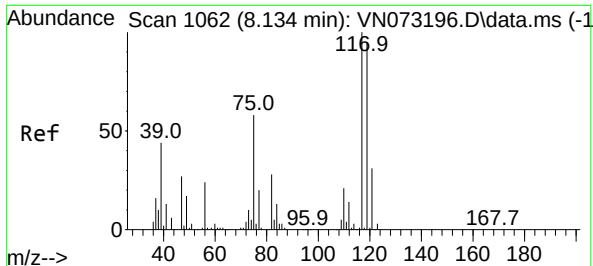
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

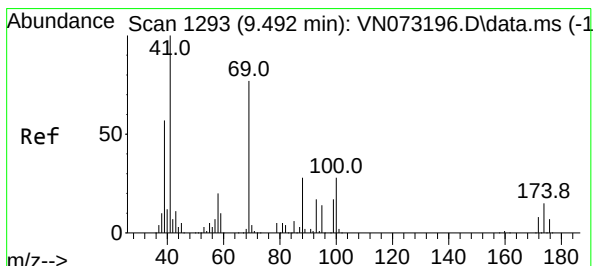
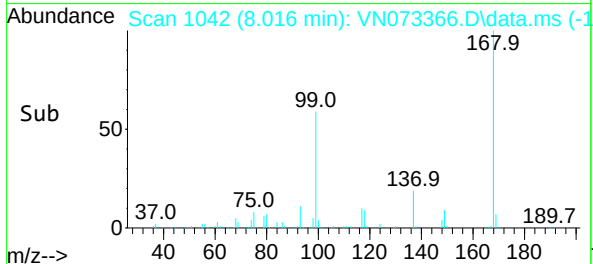
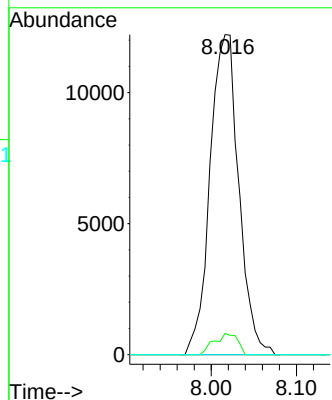
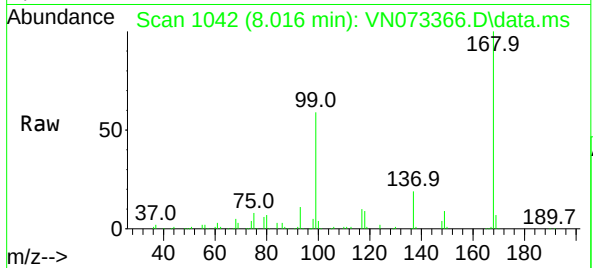




#38  
Carbon Tetrachloride  
Concen: 5.624 ug/l  
RT: 8.016 min Scan# 117  
Delta R.T. -0.118 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

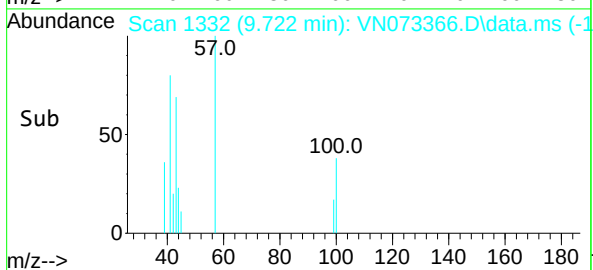
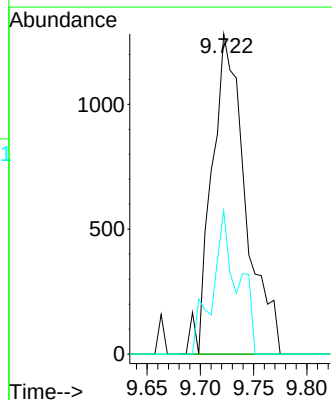
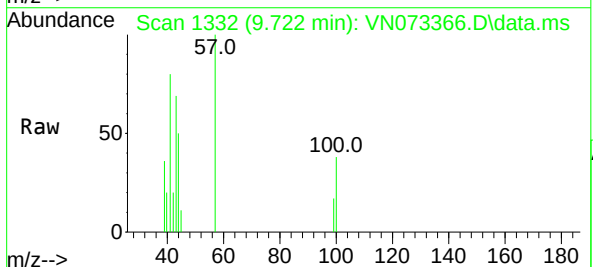
Instrument :  
MSVOA\_N  
ClientSampleId :  
20220493-FIELD-BLANK

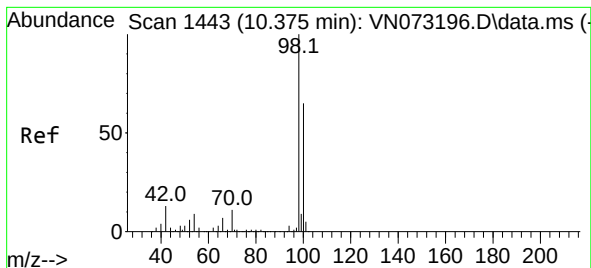
Tgt Ion:117 Resp: 28582  
Ion Ratio Lower Upper  
117 100  
119 6.6 75.8 113.8#  
121 0.0 24.6 37.0#



#48  
Methyl methacrylate  
Concen: 0.571 ug/l  
RT: 9.722 min Scan# 1332  
Delta R.T. 0.230 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 41 Resp: 2822  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.7 112.1#  
39 34.0 45.6 68.4#

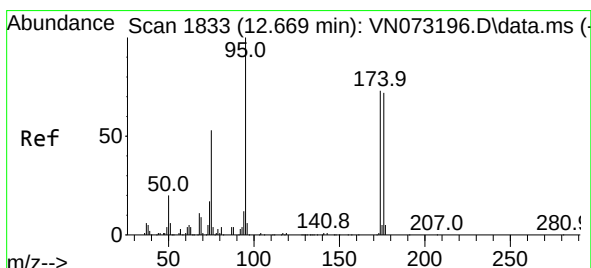
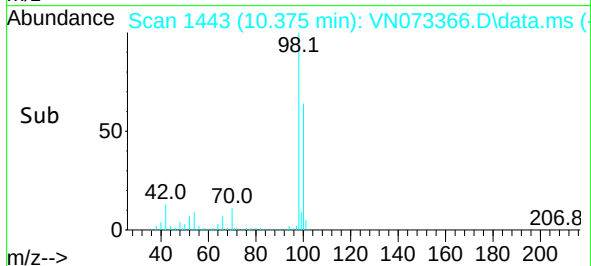
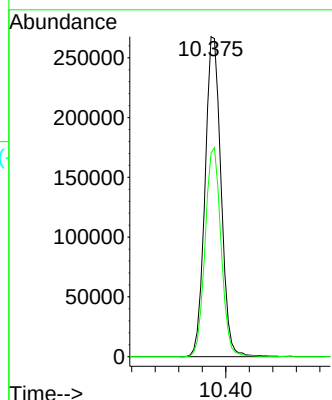
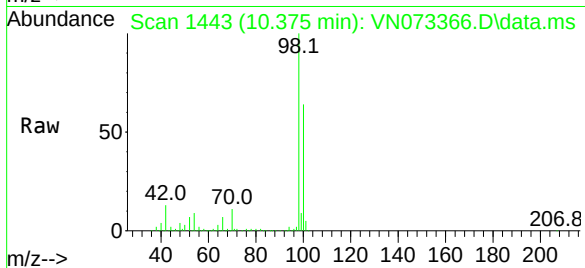




#50  
Toluene-d8  
Concen: 44.508 ug/l  
RT: 10.375 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

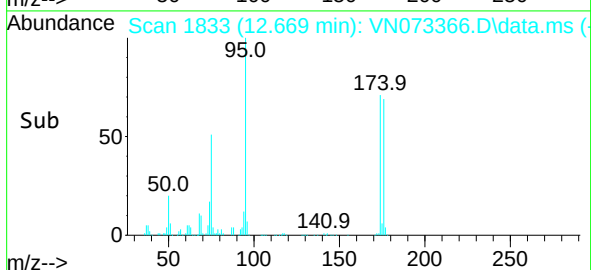
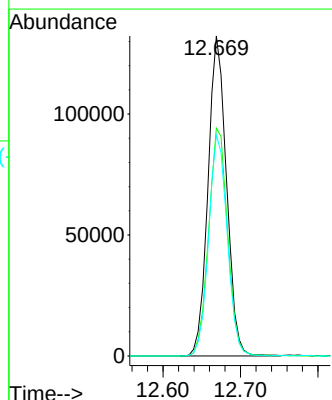
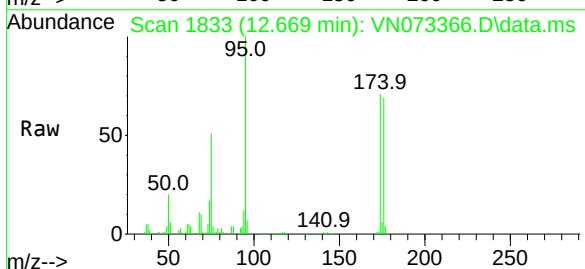
Instrument :  
MSVOA\_N  
ClientSampleId :  
20220493-FIELD-BLANK

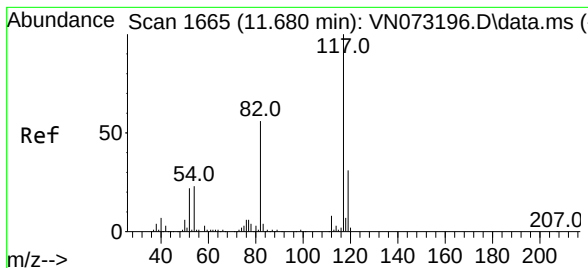
Tgt Ion: 98 Resp: 504901  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 50.161 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 95 Resp: 218676  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 167.6  
176 69.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.681 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN073366.D

Acq: 07 Jul 2022 13:05

Instrument :

MSVOA\_N

ClientSampleId :

20220493-FIELD-BLANK

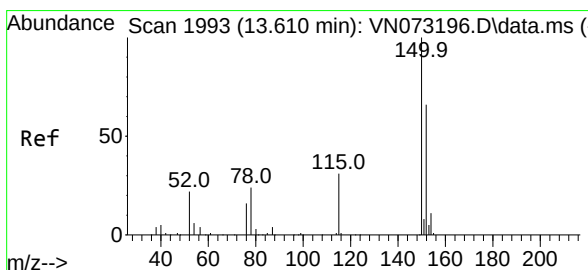
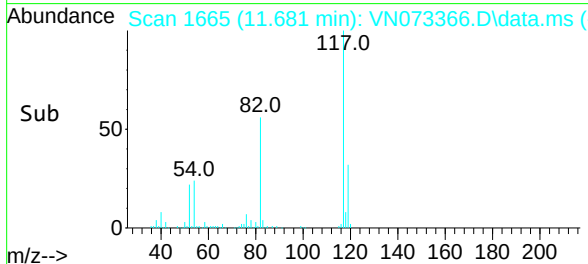
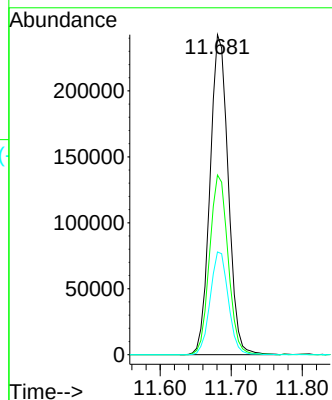
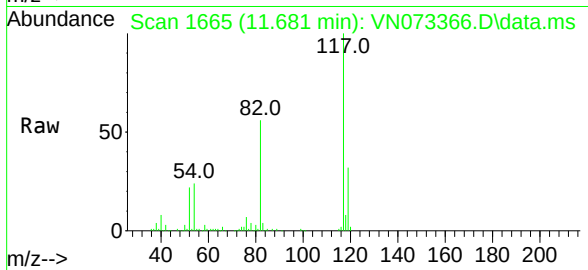
Tgt Ion:117 Resp: 431590

Ion Ratio Lower Upper

117 100

82 56.2 44.2 66.2

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073366.D

Acq: 07 Jul 2022 13:05

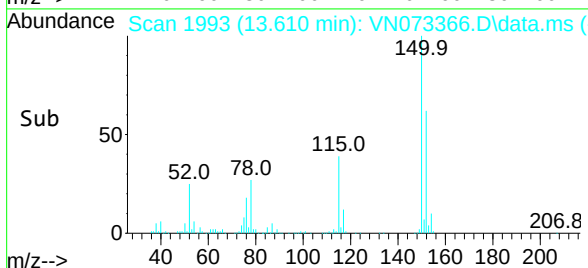
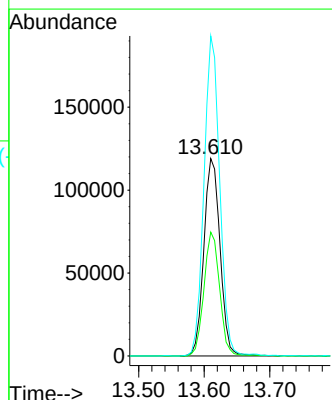
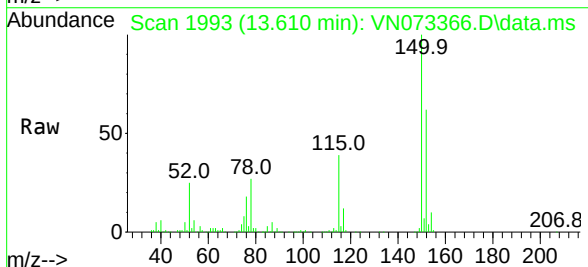
Tgt Ion:152 Resp: 204952

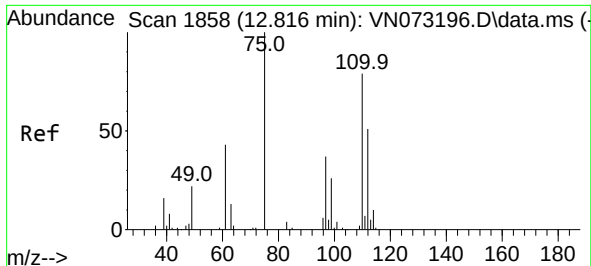
Ion Ratio Lower Upper

152 100

115 60.8 28.9 86.7

150 157.7 0.0 356.2

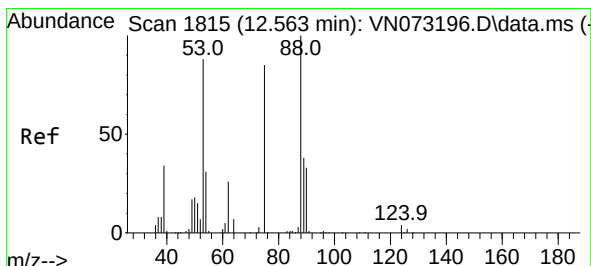
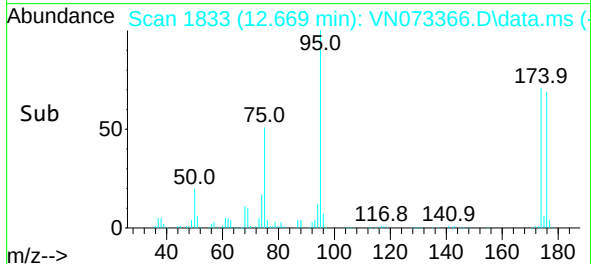
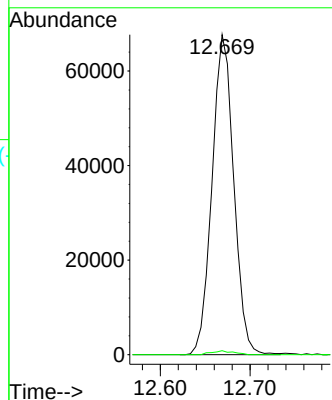
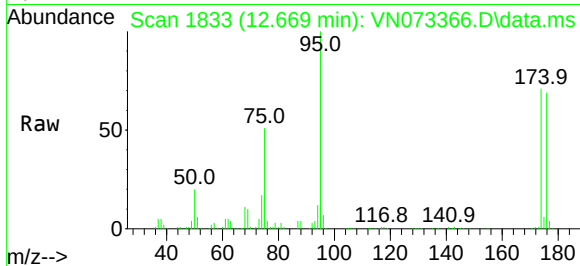




#76  
1,2,3-Trichloropropane  
Concen: 21.230 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.147 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
20220493-FIELD-BLANK

Tgt Ion: 75 Resp: 113774  
Ion Ratio Lower Upper  
75 100  
77 1.2 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.223 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. 0.106 min  
Lab File: VN073366.D  
Acq: 07 Jul 2022 13:05

Tgt Ion: 75 Resp: 113774  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

