

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
 Data File : VN073987.D  
 Acq On : 17 Aug 2022 19:39  
 Operator : JC\MD  
 Sample : N4204-26 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 18 00:50:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

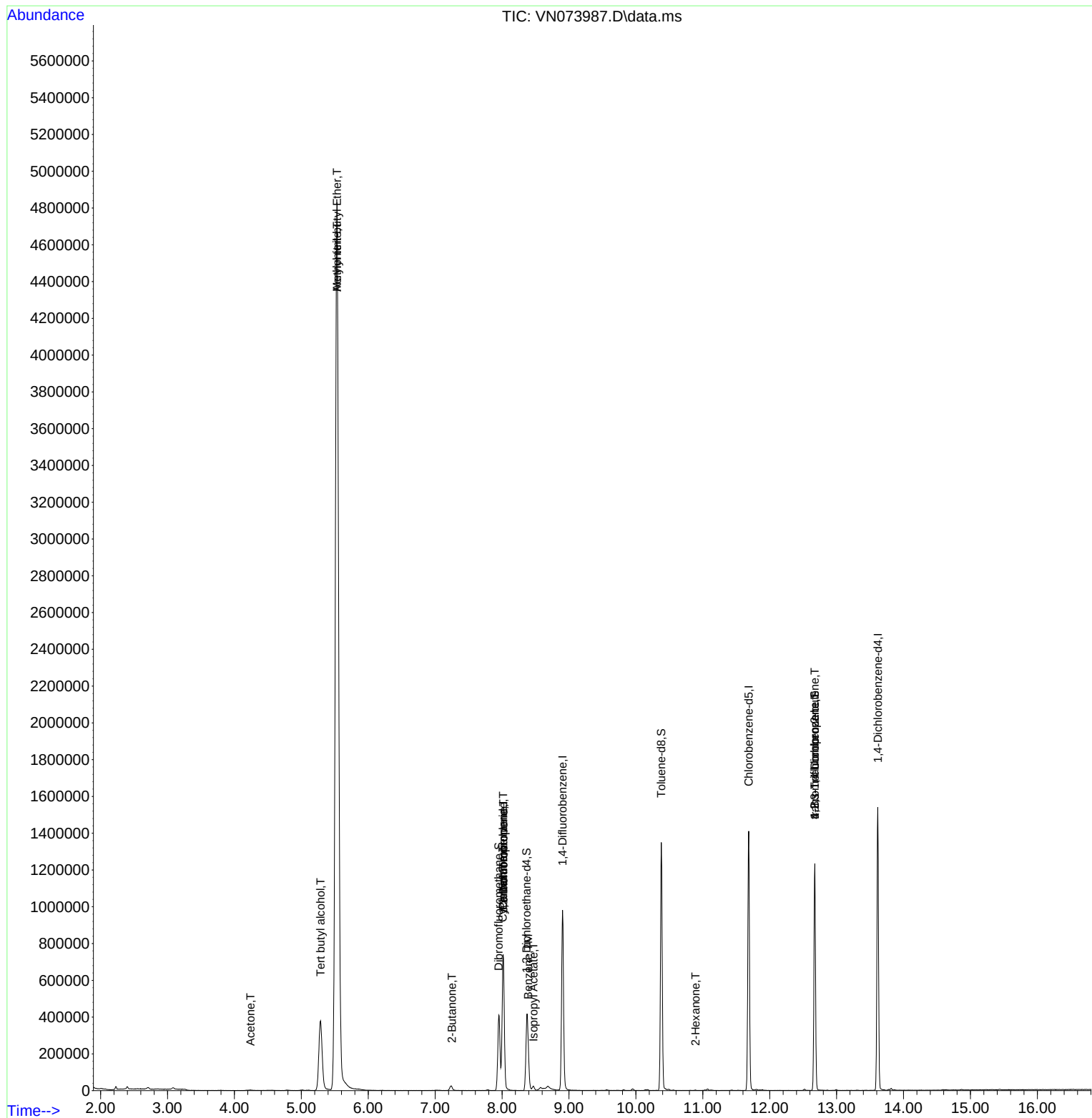
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.016  | 168   | 637128   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904  | 114   | 932640   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686 | 117   | 876796   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.616 | 152   | 462381   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369  | 65    | 305671   | 49.257    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 98.520%  |
| 35) Dibromofluoromethane      | 7.951  | 113   | 300537   | 54.489    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 108.980% |
| 50) Toluene-d8                | 10.380 | 98    | 972590   | 45.531    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 91.060%  |
| 62) 4-Bromofluorobenzene      | 12.674 | 95    | 407437   | 57.471    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 114.940% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.287  | 59    | 740211   | 533.256   | ug/l   | 100      |
| 15) Acrylonitrile             | 5.534  | 53    | 83776    | 24.721    | ug/l # | 28       |
| 16) Acetone                   | 4.240  | 43    | 5888     | 2.011     | ug/l   | 98       |
| 18) Methyl Acetate            | 4.775  | 43    | 2746     | Below Cal | #      | 48       |
| 19) Methyl tert-butyl Ether   | 5.534  | 73    | 8730996  | 482.104   | ug/l   | 98       |
| 25) 2-Butanone                | 7.251  | 43    | 1879     | 0.405     | ug/l # | 45       |
| 31) Cyclohexane               | 8.010  | 56    | 10717    | 1.239     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 8.022  | 75    | 40647    | 5.306     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.016  | 117   | 56015    | 6.397     | ug/l # | 17       |
| 40) Benzene                   | 8.392  | 78    | 127542   | 5.275     | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.469  | 43    | 4952     | 0.375     | ug/l # | 53       |
| 59) 2-Hexanone                | 10.892 | 43    | 1784     | 0.259     | ug/l   | 69       |
| 76) 1,2,3-Trichloropropane    | 12.674 | 75    | 198468   | 20.651    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674 | 75    | 198468   | 58.735    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

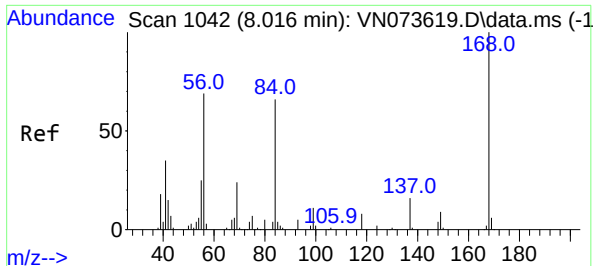
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Aug 18 00:50:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 16 00:45:21 2022  
Response via : Initial Calibration

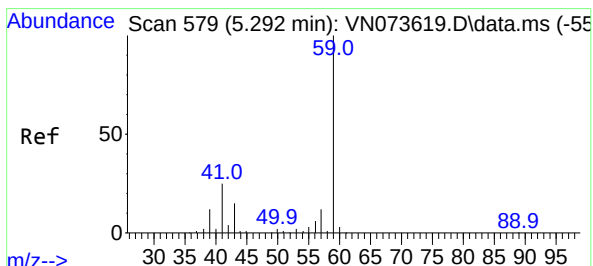
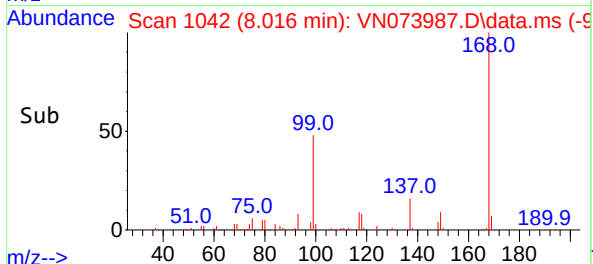
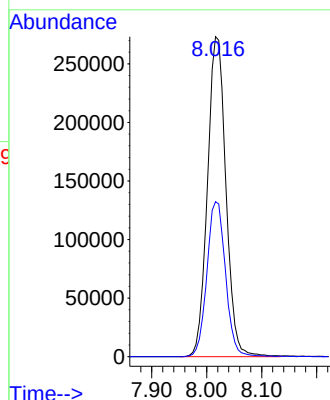
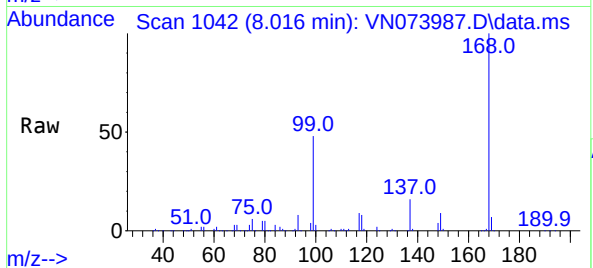




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

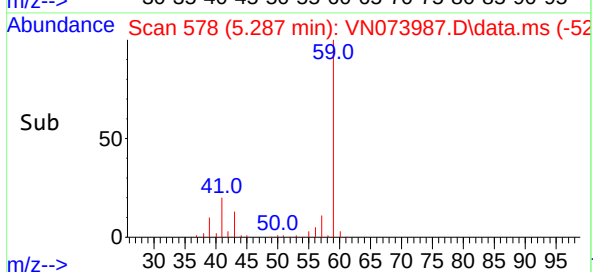
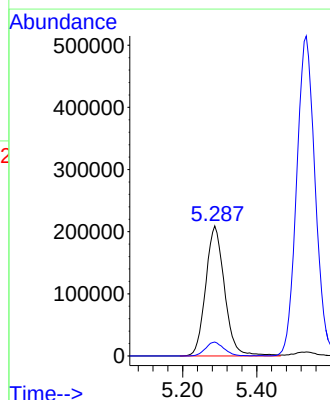
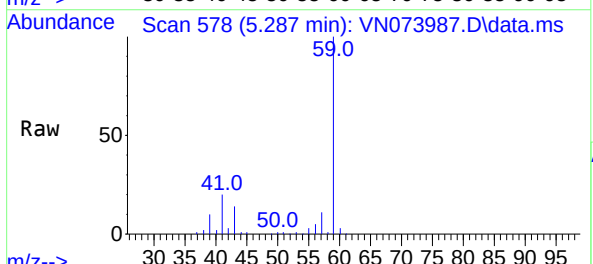
Instrument :  
MSVOA\_N  
ClientSampleId :

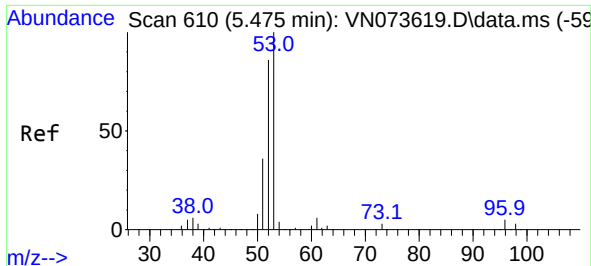
Tgt Ion:168 Resp: 637128  
Ion Ratio Lower Upper  
168 100  
99 48.5 42.3 63.5



#11  
Tert butyl alcohol  
Concen: 533.256 ug/l  
RT: 5.287 min Scan# 578  
Delta R.T. -0.005 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

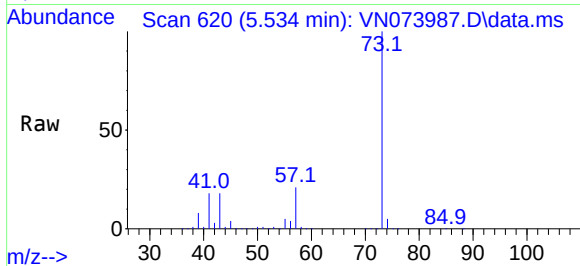
Tgt Ion: 59 Resp: 740211  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.3 12.5



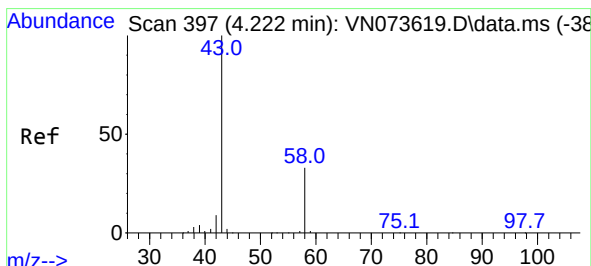
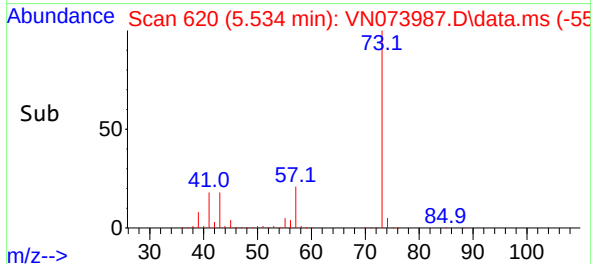
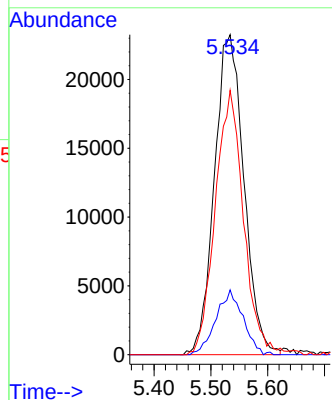


#15  
Acrylonitrile  
Concen: 24.721 ug/l  
RT: 5.534 min Scan# 61  
Delta R.T. 0.059 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

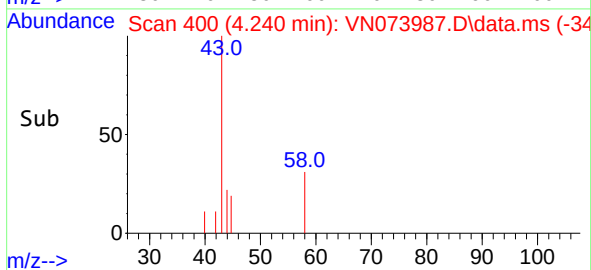
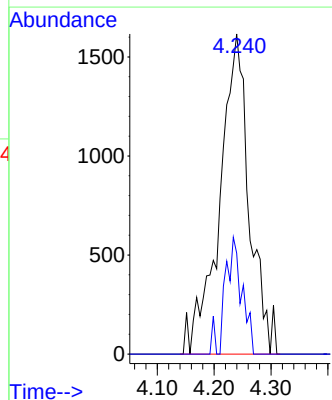
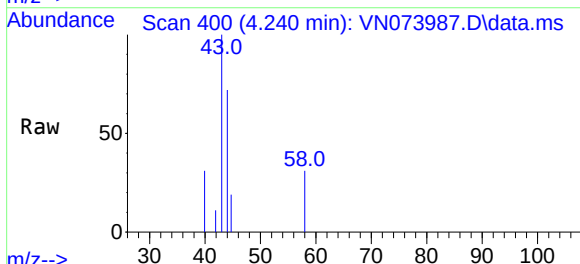


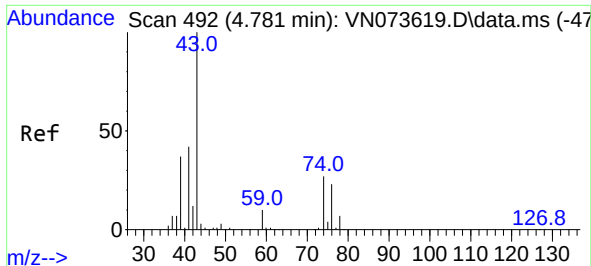
Tgt Ion: 53 Resp: 83776  
Ion Ratio Lower Upper  
53 100  
52 18.6 66.4 99.6#  
51 79.2 28.5 42.7#



#16  
Acetone  
Concen: 2.011 ug/l  
RT: 4.240 min Scan# 400  
Delta R.T. 0.018 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 43 Resp: 5888  
Ion Ratio Lower Upper  
43 100  
58 31.5 26.0 39.0

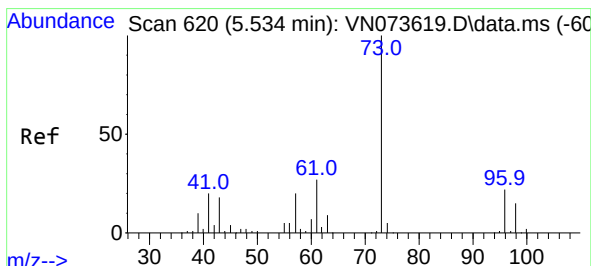
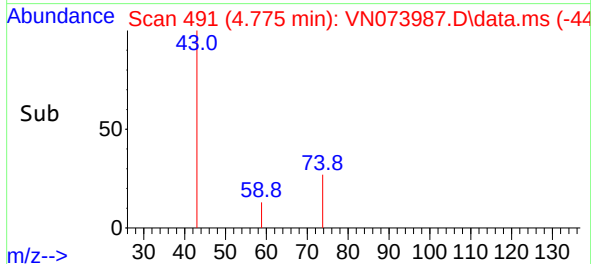
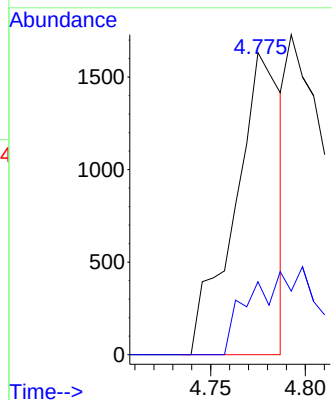
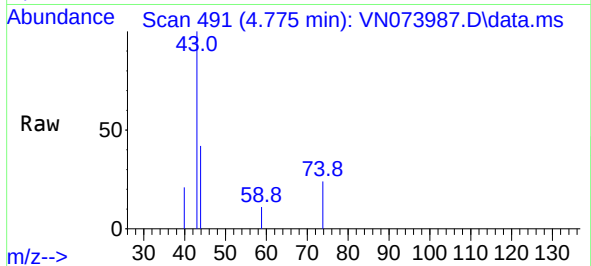




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.775 min Scan# 491  
Delta R.T. -0.006 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

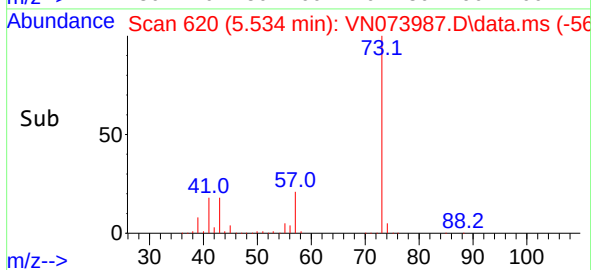
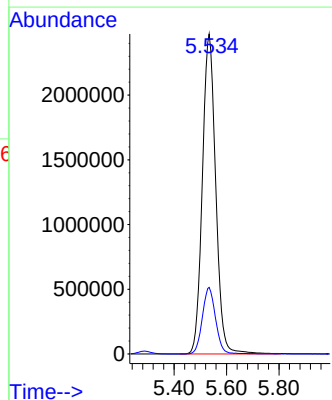
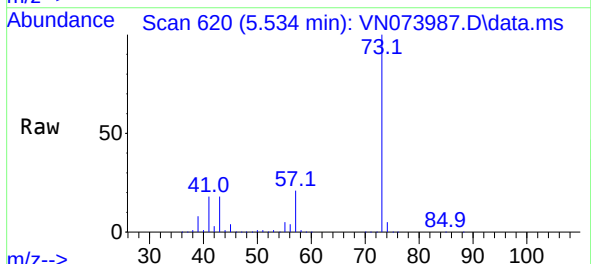
Instrument :  
MSVOA\_N  
ClientSampleId :

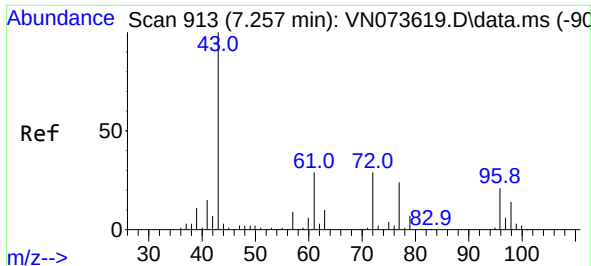
Tgt Ion: 43 Resp: 2746  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.6 32.4#



#19  
Methyl tert-butyl Ether  
Concen: 482.104 ug/l  
RT: 5.534 min Scan# 620  
Delta R.T. -0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 73 Resp: 8730996  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.6 26.4





#25

2-Butanone

Concen: 0.405 ug/l

RT: 7.251 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN073987.D

Acq: 17 Aug 2022 19:39

Instrument :

MSVOA\_N

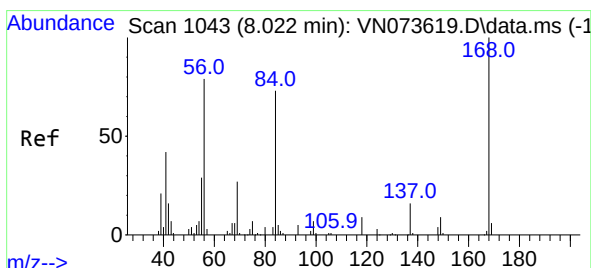
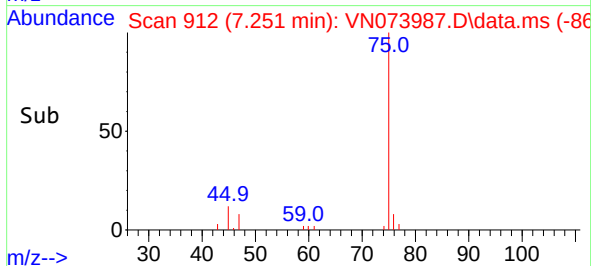
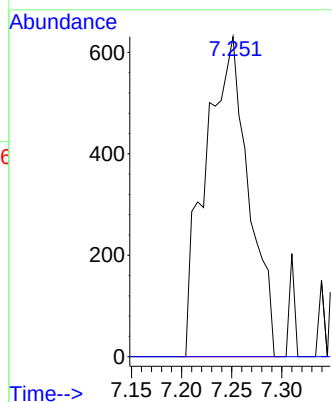
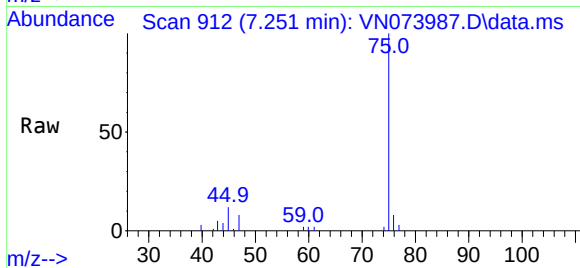
ClientSampleId :

Tgt Ion: 43 Resp: 1879

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073987.D

Acq: 17 Aug 2022 19:39

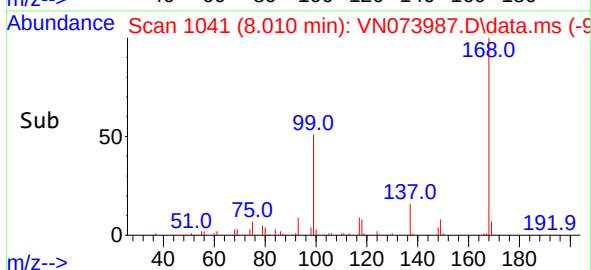
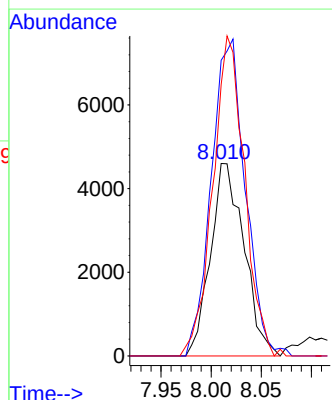
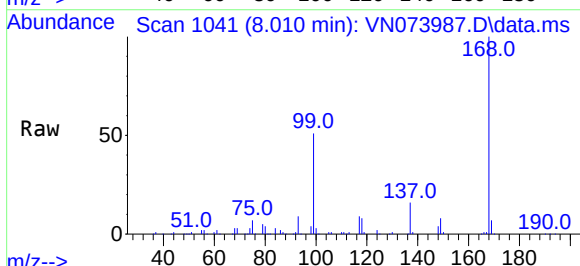
Tgt Ion: 56 Resp: 10717

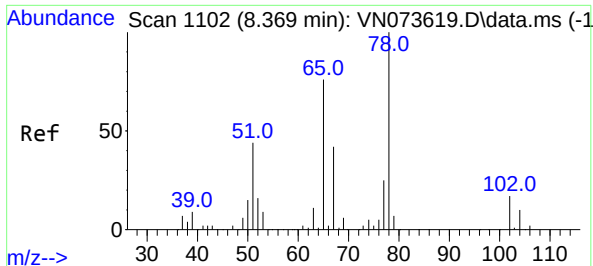
Ion Ratio Lower Upper

56 100

69 153.7 27.8 41.8#

84 141.1 76.9 115.3#

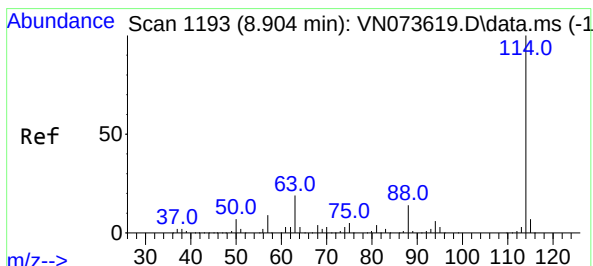
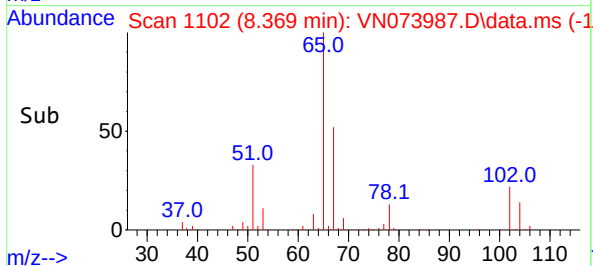
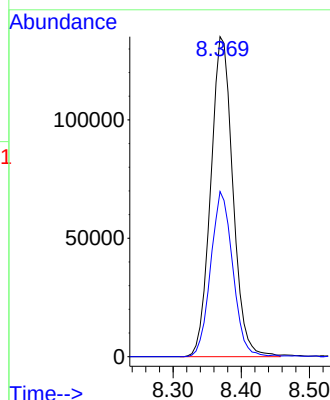
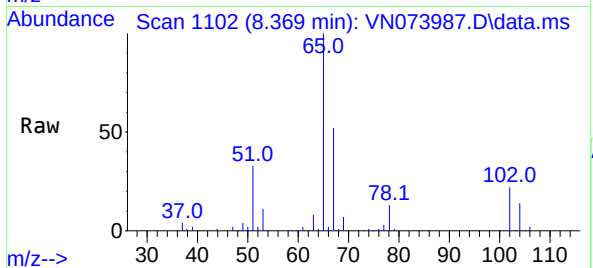




#33  
1,2-Dichloroethane-d4  
Concen: 49.257 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

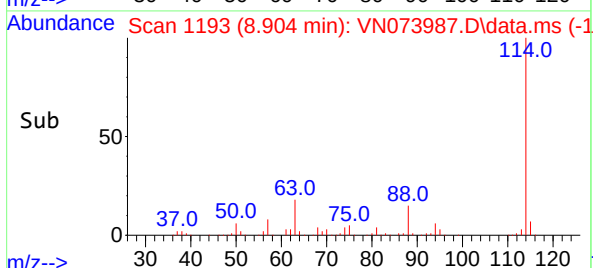
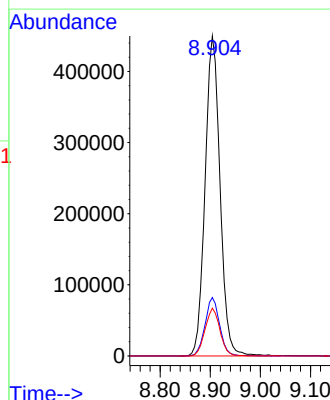
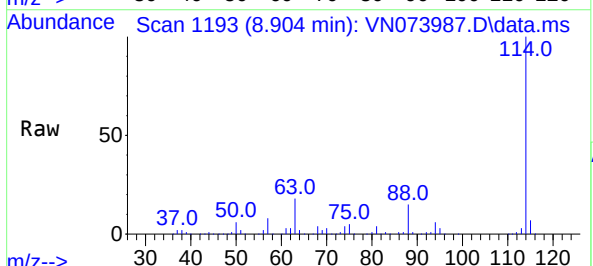
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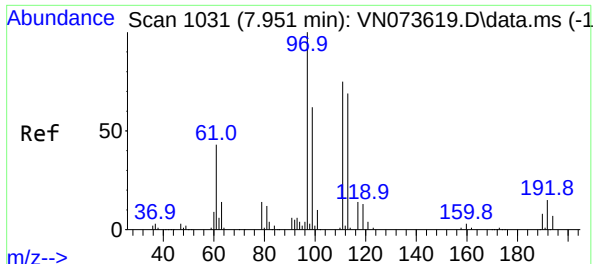
Tgt Ion: 65 Resp: 305671  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 104.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 114 Resp: 932640  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 40.0  
88 15.0 0.0 32.6

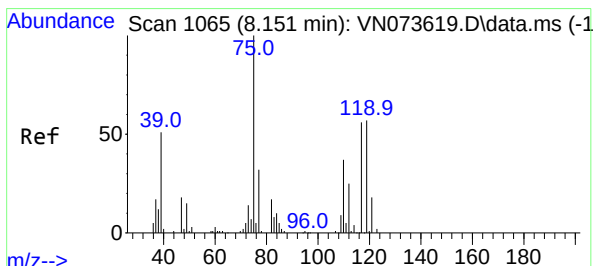
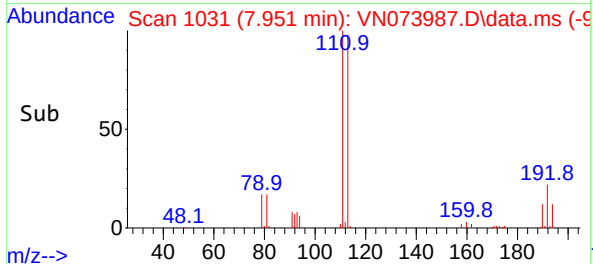
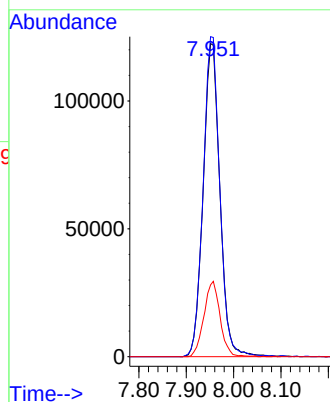
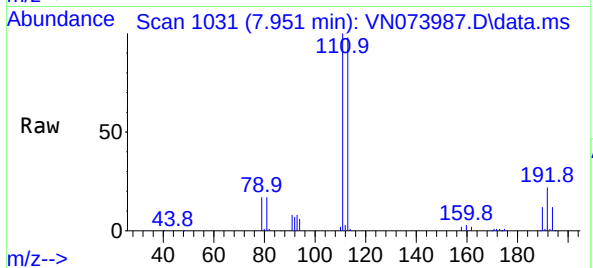




#35  
Dibromofluoromethane  
Concen: 54.489 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

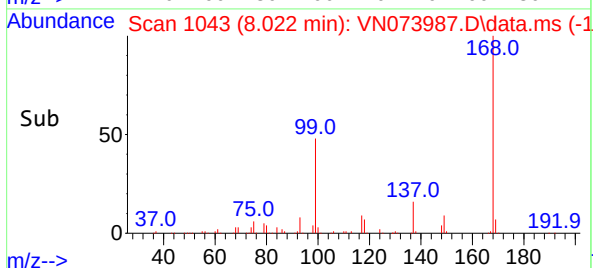
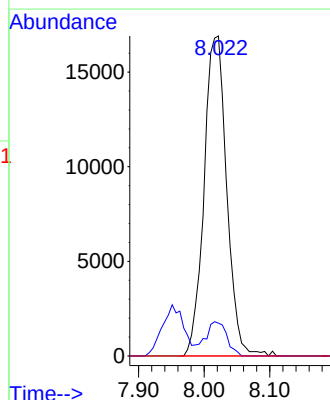
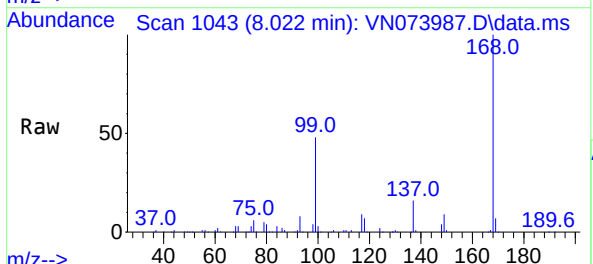
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:113 Resp: 300537  
Ion Ratio Lower Upper  
113 100  
111 101.6 81.4 122.0  
192 23.2 17.0 25.6

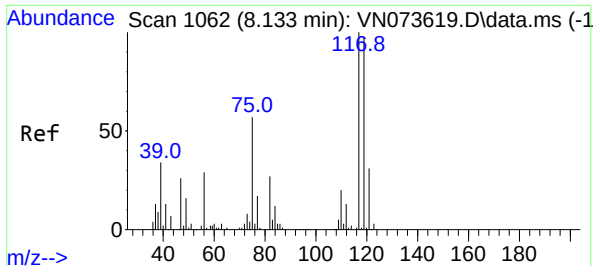


#36  
1,1-Dichloropropene  
Concen: 5.306 ug/l  
RT: 8.022 min Scan# 1043  
Delta R.T. -0.129 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 75 Resp: 40647  
Ion Ratio Lower Upper  
75 100  
110 10.0 18.3 54.8#  
77 0.0 25.1 37.7#

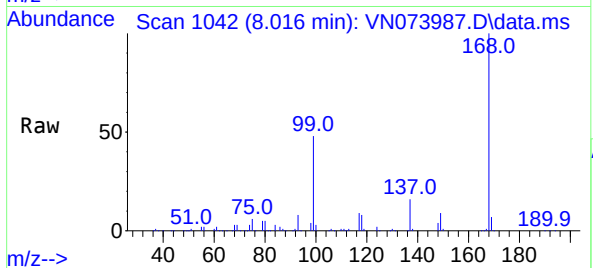




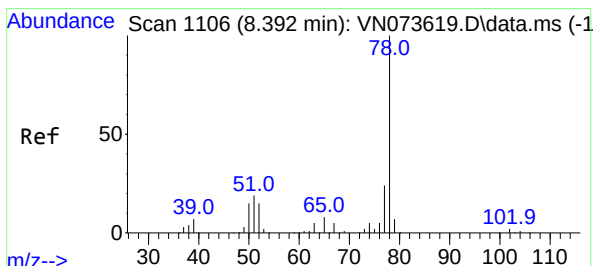
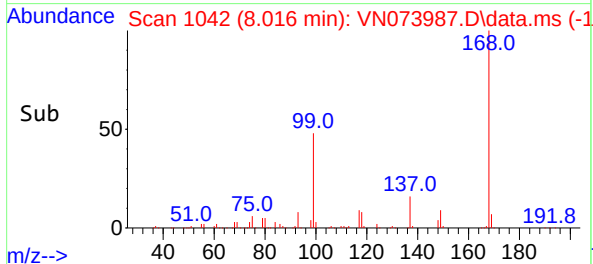
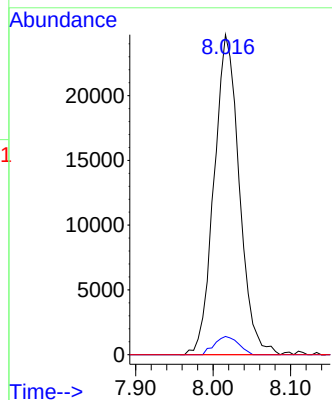


#38  
Carbon Tetrachloride  
Concen: 6.397 ug/l  
RT: 8.016 min Scan# 1106  
Delta R.T. -0.117 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

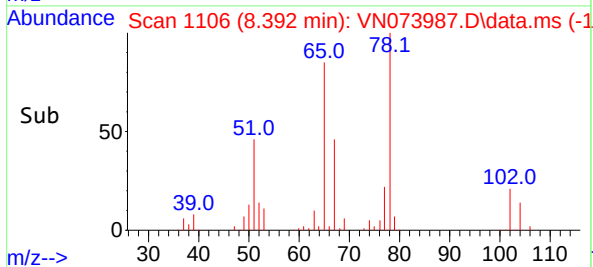
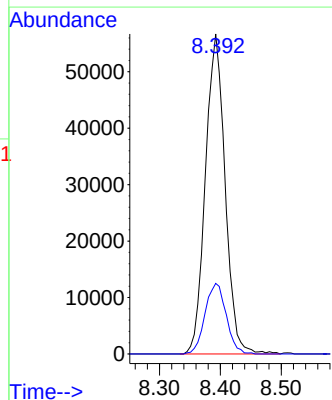
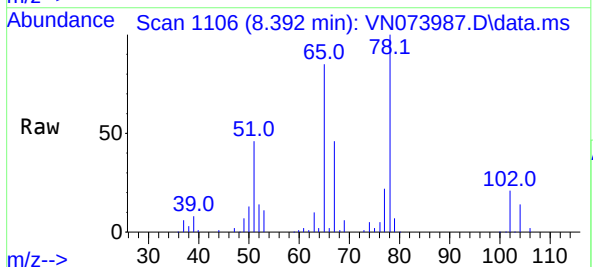


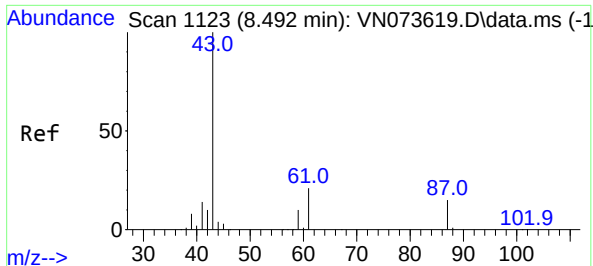
Tgt Ion:117 Resp: 56015  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.8 113.8#  
121 0.0 24.6 37.0#



#40  
Benzene  
Concen: 5.275 ug/l  
RT: 8.392 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 78 Resp: 127542  
Ion Ratio Lower Upper  
78 100  
77 22.1 19.4 29.0

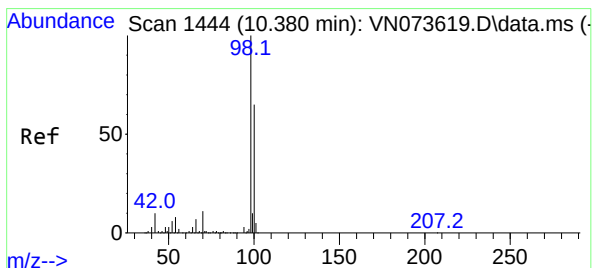
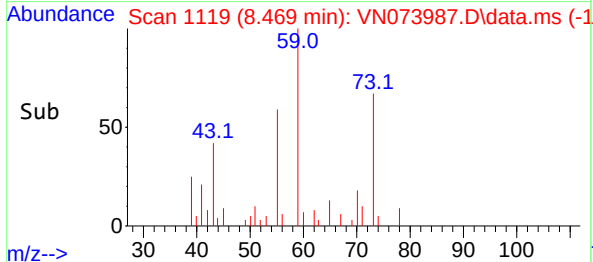
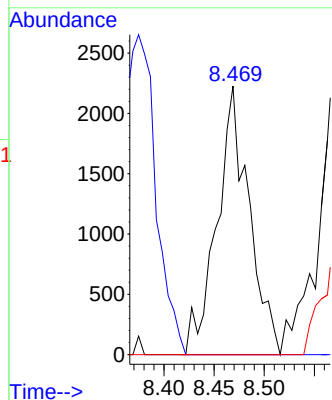
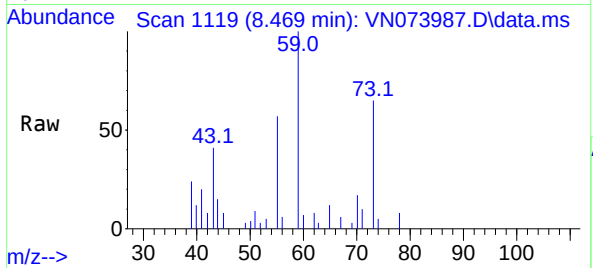




#43  
Isopropyl Acetate  
Concen: 0.375 ug/l  
RT: 8.469 min Scan# 1123  
Delta R.T. -0.023 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

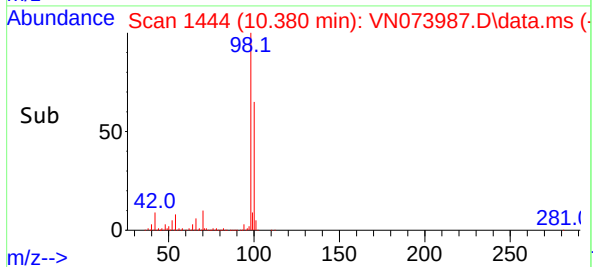
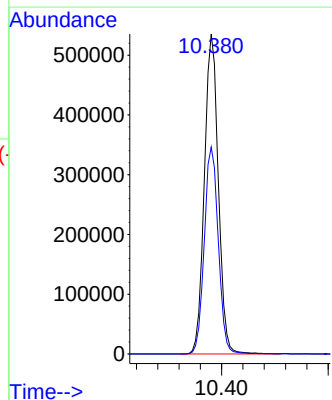
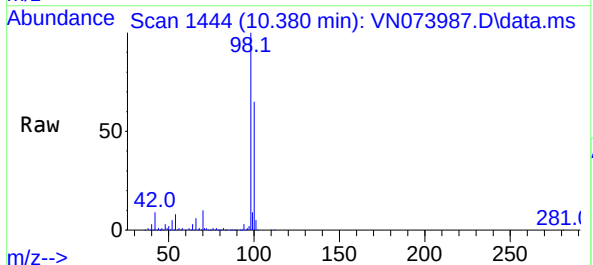
Instrument :  
MSVOA\_N  
ClientSampleId :

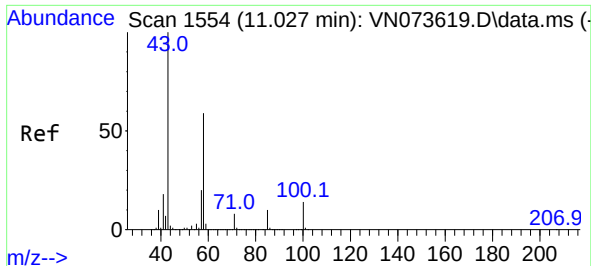
Tgt Ion: 43 Resp: 4952  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.9 32.9#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 45.531 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

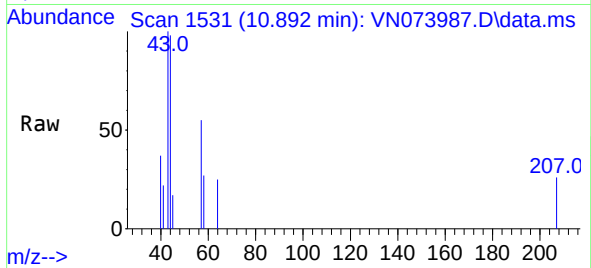
Tgt Ion: 98 Resp: 972590  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 78.8



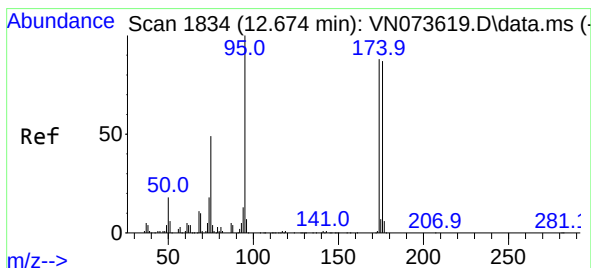
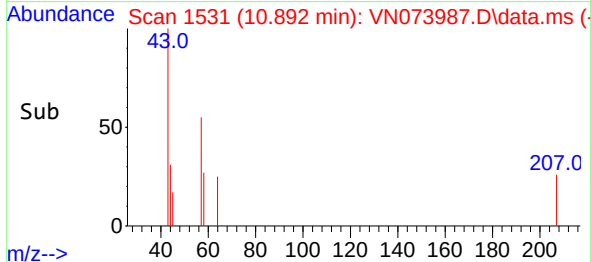
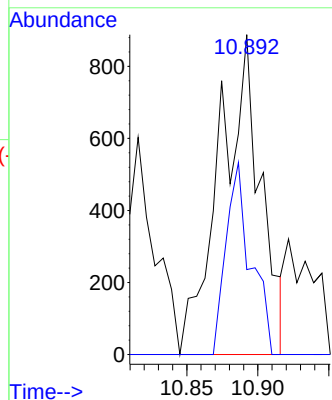


#59  
2-Hexanone  
Concen: 0.259 ug/l  
RT: 10.892 min Scan# 1531  
Delta R.T. -0.135 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

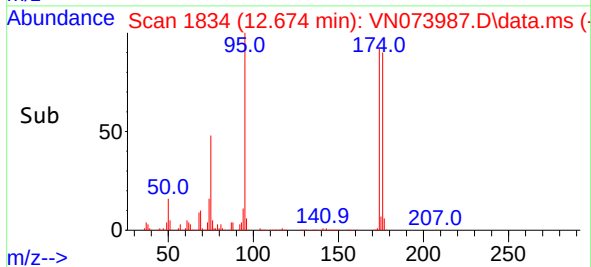
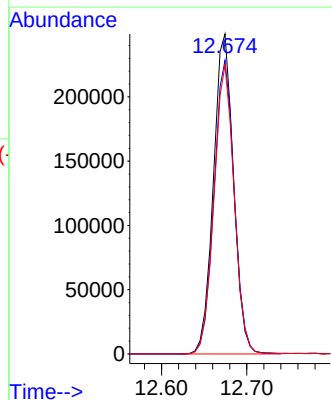
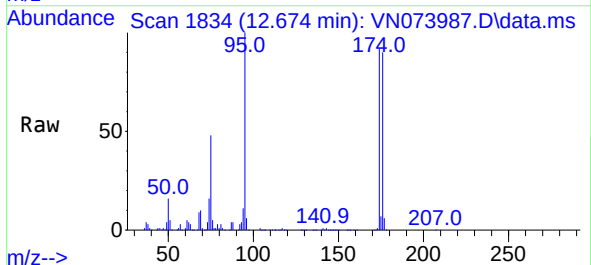


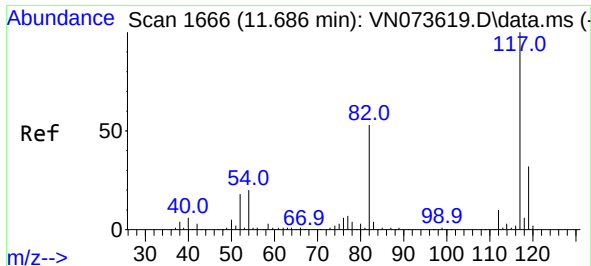
Tgt Ion: 43 Resp: 1784  
Ion Ratio Lower Upper  
43 100  
58 36.2 29.7 89.1



#62  
4-Bromofluorobenzene  
Concen: 57.471 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

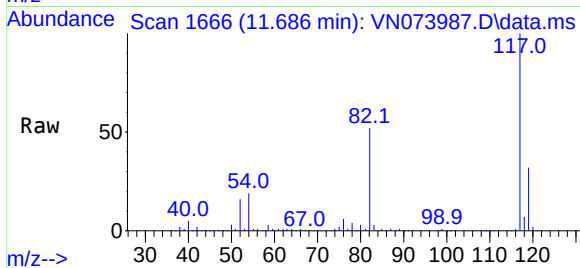
Tgt Ion: 95 Resp: 407437  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 167.6  
176 90.2 0.0 163.4



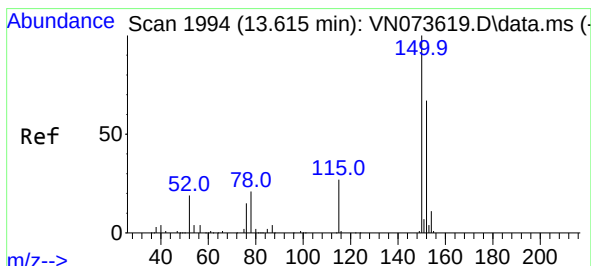
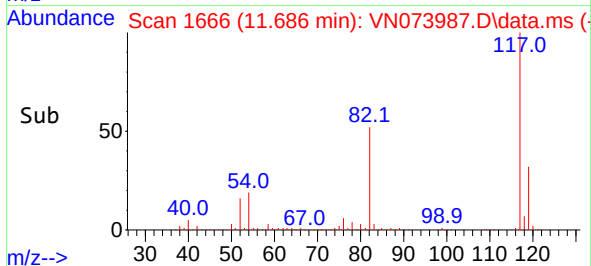
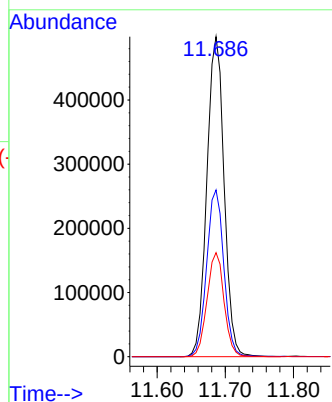


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

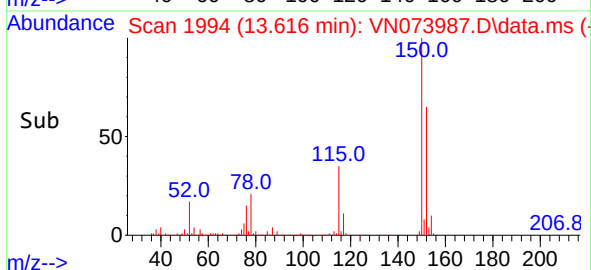
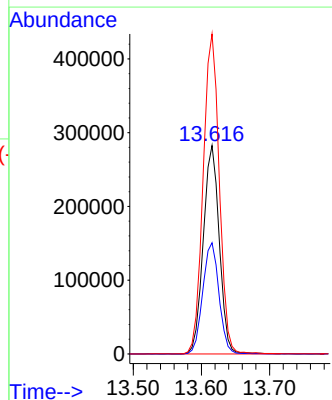
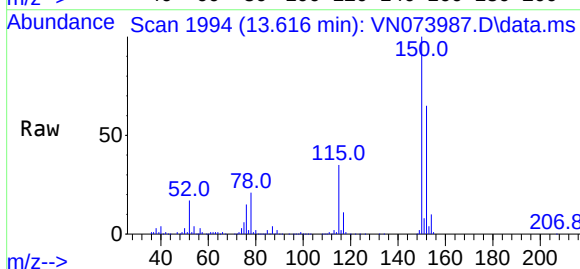


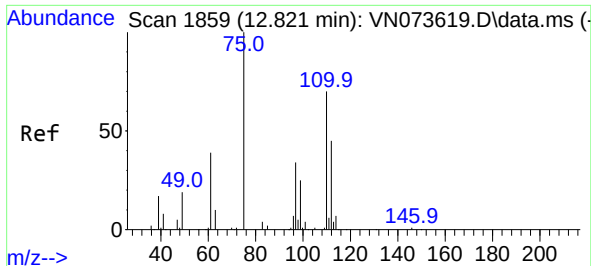
Tgt Ion:117 Resp: 876796  
Ion Ratio Lower Upper  
117 100  
82 52.1 44.2 66.2  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.001 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion:152 Resp: 462381  
Ion Ratio Lower Upper  
152 100  
115 54.2 28.9 86.7  
150 154.8 0.0 356.2

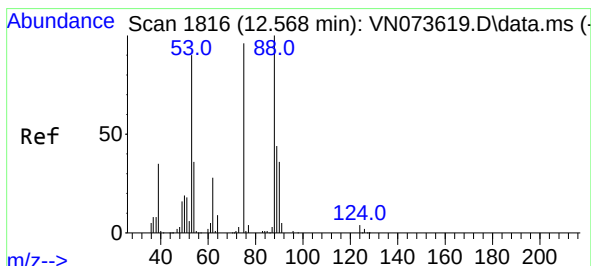
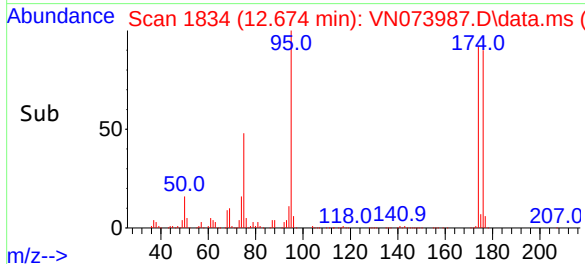
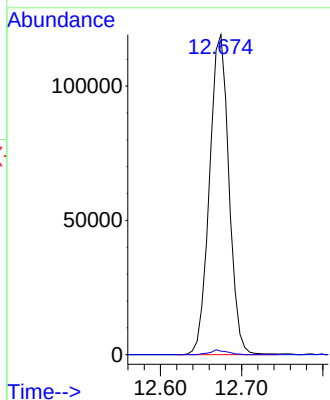
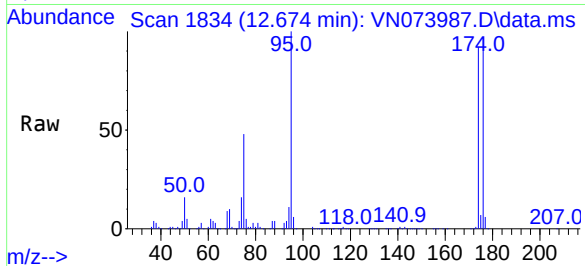




#76  
1,2,3-Trichloropropane  
Concen: 20.651 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. -0.147 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 75 Resp: 198468  
Ion Ratio Lower Upper  
75 100  
77 1.3 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.735 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.106 min  
Lab File: VN073987.D  
Acq: 17 Aug 2022 19:39

Tgt Ion: 75 Resp: 198468  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 37.2 55.8#

