

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
 Data File : VN075773.D  
 Acq On : 14 Dec 2022 16:27  
 Operator : JC\MD  
 Sample : N5985-01  
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-120922

Quant Time: Dec 15 00:27:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 323900   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 497409   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 402816   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 165075   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 159588   | 45.290   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 90.580% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 144051   | 46.764   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.520% |
| 50) Toluene-d8              | 10.571 | 98    | 562650   | 48.853   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.700% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 158934   | 41.664   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 83.320% |

|                               |        |     |       |        |        |     |
|-------------------------------|--------|-----|-------|--------|--------|-----|
| Target Compounds              |        |     |       |        | Qvalue |     |
| 3) Chloromethane              | 2.365  | 50  | 675   | 0.236  | ug/l # | 40  |
| 5) Bromomethane               | 2.912  | 94  | 1221  | 0.421  | ug/l   | 89  |
| 6) Chloroethane               | 3.089  | 64  | 12610 | 4.992  | ug/l # | 62  |
| 11) Tert butyl alcohol        | 5.495  | 59  | 6605  | 13.247 | ug/l # | 72  |
| 13) Acrolein                  | 4.183  | 56  | 262   | 0.429  | ug/l   | 86  |
| 15) Acrylonitrile             | 5.730  | 53  | 407   | 0.299  | ug/l # | 65  |
| 16) Acetone                   | 4.465  | 43  | 327   | 0.269  | ug/l # | 39  |
| 17) Carbon Disulfide          | 4.677  | 76  | 1475  | 0.212  | ug/l # | 76  |
| 18) Methyl Acetate            | 5.042  | 43  | 1758  | 0.490  | ug/l # | 52  |
| 20) Methylene Chloride        | 5.259  | 84  | 2756  | 0.210  | ug/l # | 90  |
| 25) 2-Butanone                | 7.512  | 43  | 1611  | 0.947  | ug/l # | 83  |
| 29) Tetrahydrofuran           | 7.859  | 42  | 757   | 0.710  | ug/l # | 57  |
| 31) Cyclohexane               | 8.230  | 56  | 6490  | 1.286  | ug/l # | 42  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 22526 | 5.505  | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 32149 | 7.020  | ug/l # | 15  |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43  | 1561  | 0.476  | ug/l # | 86  |
| 58) 2-Chloroethyl Vinyl ether | 10.153 | 63  | 281   | 0.206  | ug/l # | 42  |
| 59) 2-Hexanone                | 11.200 | 43  | 2462  | 1.030  | ug/l   | 97  |
| 65) Chlorobenzene             | 11.888 | 112 | 1828  | 0.221  | ug/l   | 98  |
| 68) m/p-Xylenes               | 12.076 | 106 | 2123  | 0.384  | ug/l   | 82  |
| 74) N-amyl acetate            | 12.494 | 43  | 1022  | 0.292  | ug/l # | 43  |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 79493 | 23.890 | ug/l # | 1   |
| 77) Bromobenzene              | 12.988 | 156 | 875   | 0.290  | ug/l   | 85  |
| 78) n-propylbenzene           | 13.035 | 91  | 3220  | 0.245  | ug/l   | 100 |
| 79) 2-Chlorotoluene           | 13.141 | 91  | 1904  | 0.232  | ug/l   | 80  |
| 80) 1,3,5-Trimethylbenzene    | 13.182 | 105 | 2026  | 0.203  | ug/l   | 93  |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 79493 | 85.991 | ug/l # | 12  |
| 82) 4-Chlorotoluene           | 13.141 | 91  | 1904  | 0.232  | ug/l   | 80  |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 2221  | 0.224  | ug/l   | 92  |
| 85) sec-Butylbenzene          | 13.623 | 105 | 2685  | 0.221  | ug/l   | 96  |
| 86) p-Isopropyltoluene        | 13.729 | 119 | 2304  | 0.228  | ug/l   | 90  |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146 | 2460  | 0.441  | ug/l   | 91  |
| 88) 1,4-Dichlorobenzene       | 13.741 | 146 | 2460  | 0.432  | ug/l   | 91  |
| 89) n-Butylbenzene            | 14.059 | 91  | 3143  | 0.384  | ug/l   | 94  |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146 | 2738  | 0.498  | ug/l   | 93  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75  | 131   | 0.200  | ug/l # | 17  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121422\  
Data File : VN075773.D  
Acq On : 14 Dec 2022 16:27  
Operator : JC\MD  
Sample : N5985-01  
Misc : 5.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 16 Sample Multiplier: 1

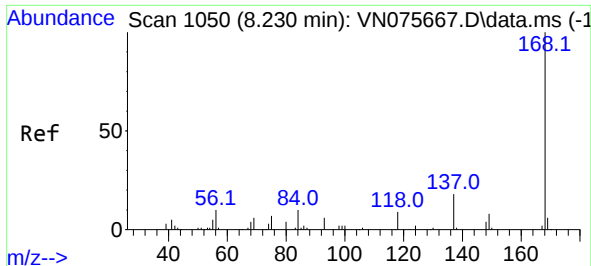
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

Quant Time: Dec 15 00:27:54 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.388 | 180  | 3223     | 1.185 | ug/l  | 93       |
| 94) Hexachlorobutadiene    | 15.506 | 225  | 455      | 0.307 | ug/l  | 78       |
| 95) Naphthalene            | 15.641 | 128  | 16779    | 3.964 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.847 | 180  | 3971     | 1.562 | ug/l  | 89       |

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

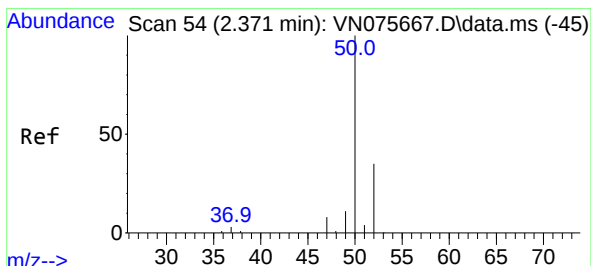
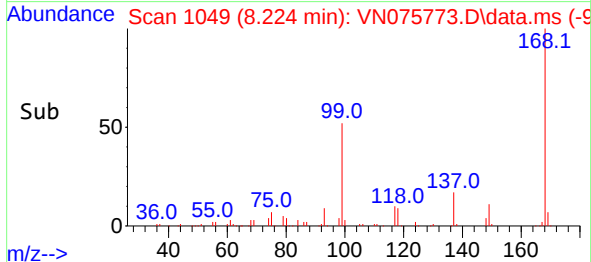
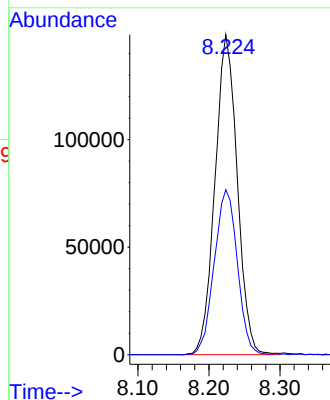
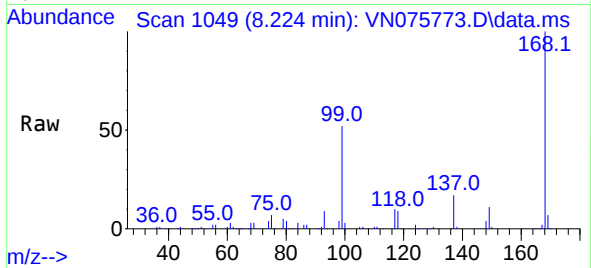




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

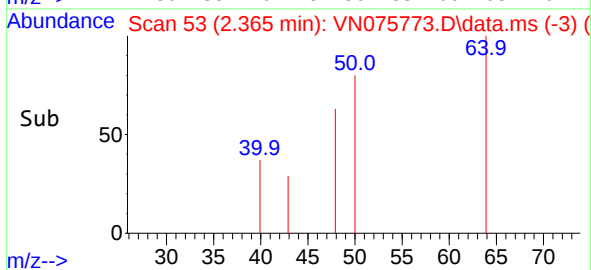
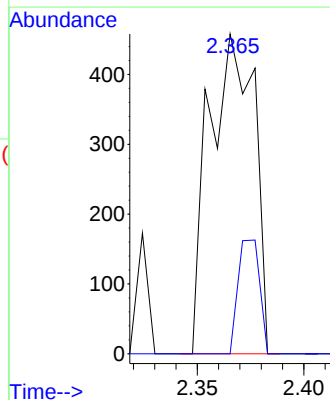
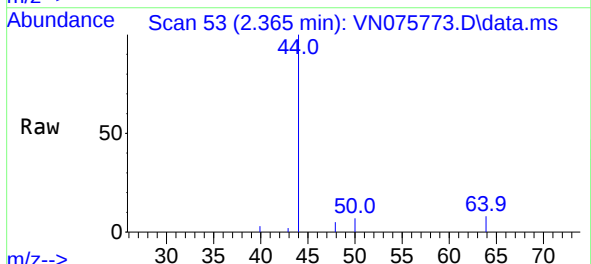
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

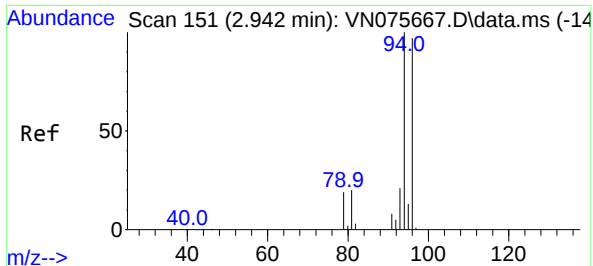
Tgt Ion:168 Resp: 323900  
Ion Ratio Lower Upper  
168 100  
99 51.6 44.2 66.4



#3  
Chloromethane  
Concen: 0.236 ug/l  
RT: 2.365 min Scan# 53  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 50 Resp: 675  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.7 41.5#

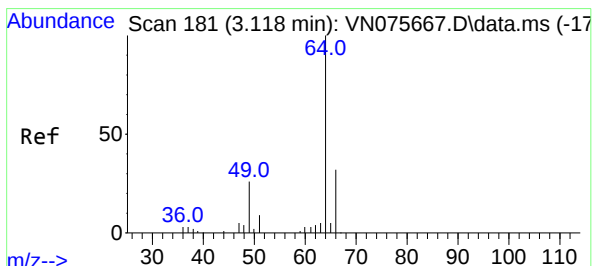
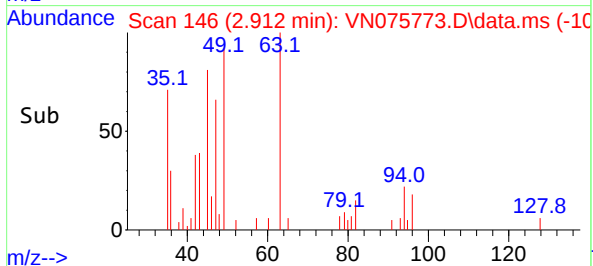
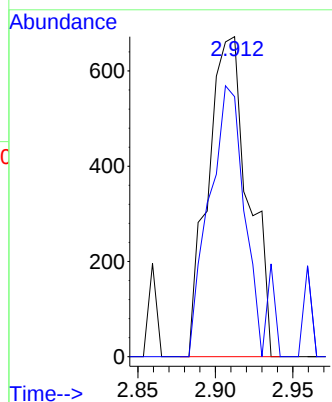
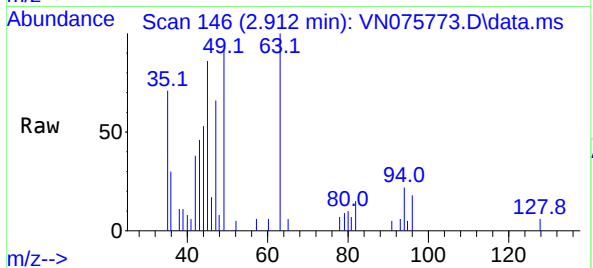




#5  
Bromomethane  
Concen: 0.421 ug/l  
RT: 2.912 min Scan# 14  
Delta R.T. -0.029 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

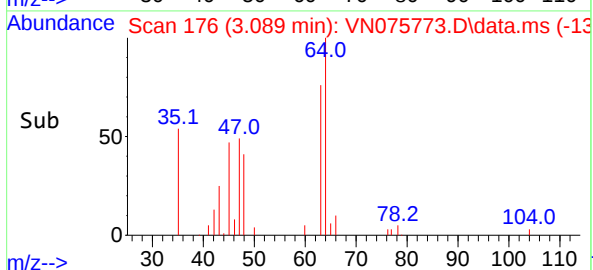
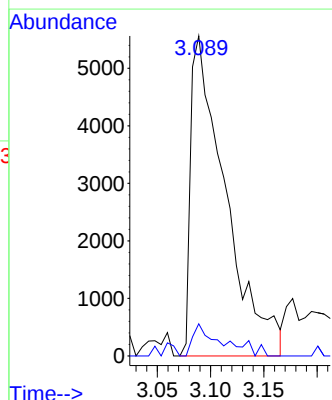
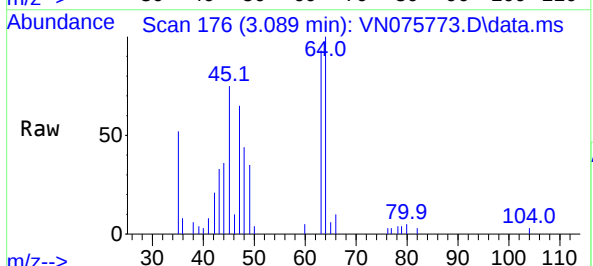
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

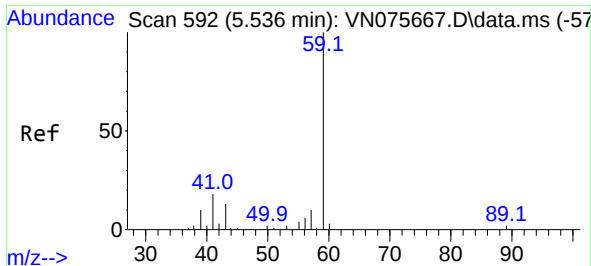
Tgt Ion: 94 Resp: 1221  
Ion Ratio Lower Upper  
94 100  
96 81.3 73.8 110.6



#6  
Chloroethane  
Concen: 4.992 ug/l  
RT: 3.089 min Scan# 176  
Delta R.T. -0.029 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 64 Resp: 12610  
Ion Ratio Lower Upper  
64 100  
66 10.0 24.6 36.8#





#11

Tert butyl alcohol

Concen: 13.247 ug/l

RT: 5.495 min Scan# 59

Delta R.T. -0.041 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

Instrument :

MSVOA\_N

ClientSampleId :

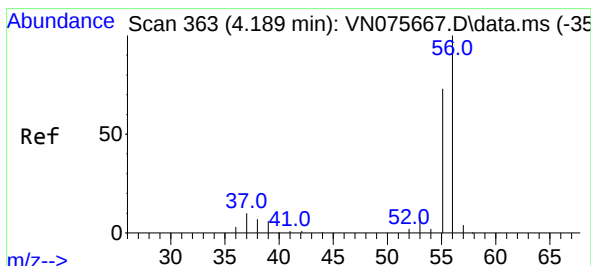
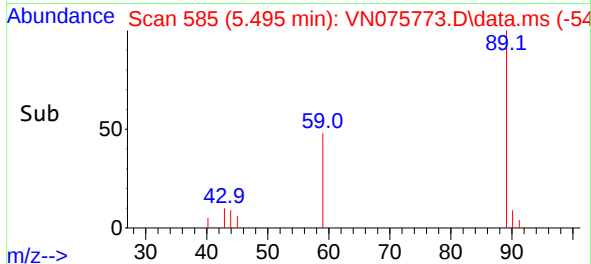
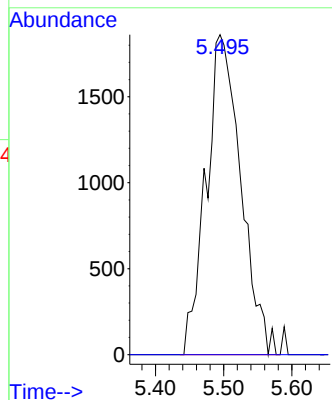
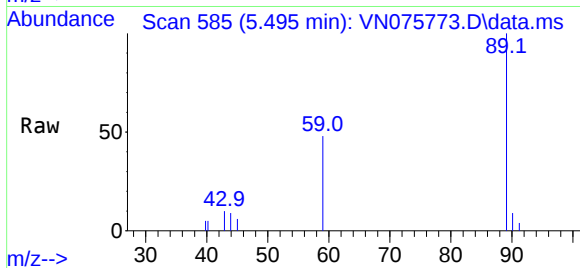
OR-02-120922

Tgt Ion: 59 Resp: 6605

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.429 ug/l

RT: 4.183 min Scan# 362

Delta R.T. -0.006 min

Lab File: VN075773.D

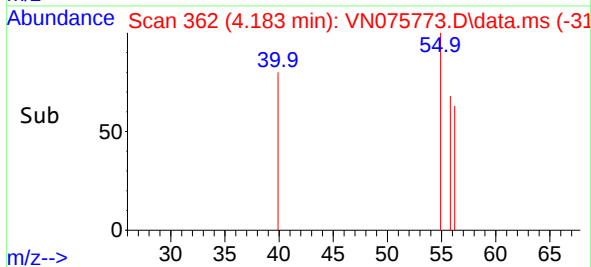
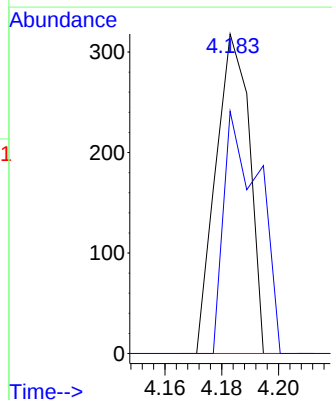
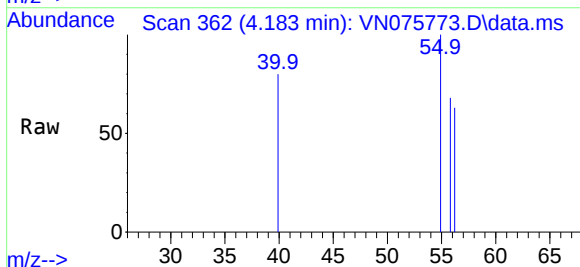
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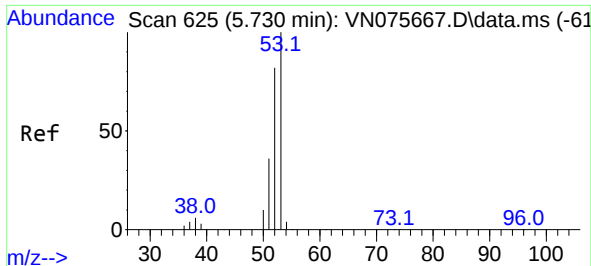
Tgt Ion: 56 Resp: 262

Ion Ratio Lower Upper

56 100

55 79.8 54.8 82.2

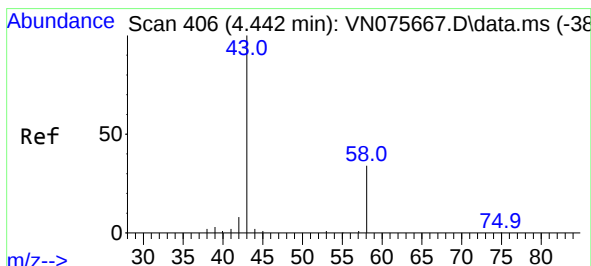
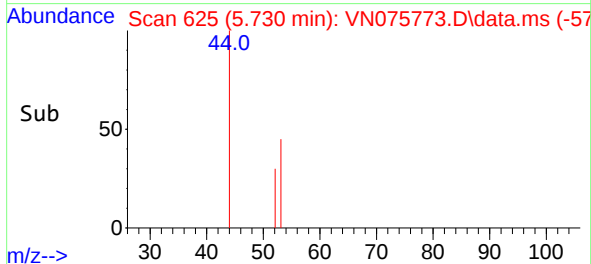
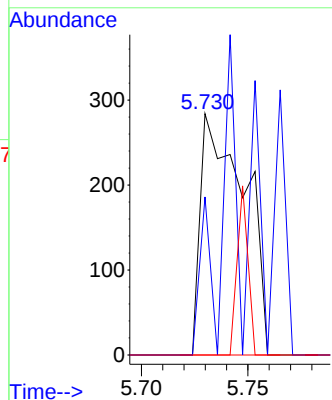
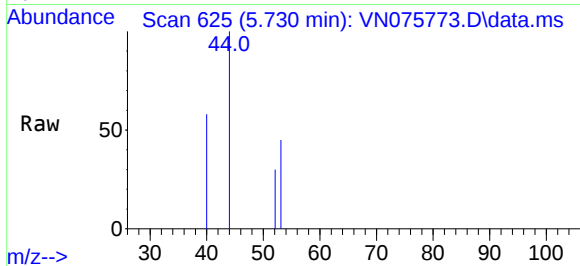




#15  
Acrylonitrile  
Concen: 0.299 ug/l  
RT: 5.730 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

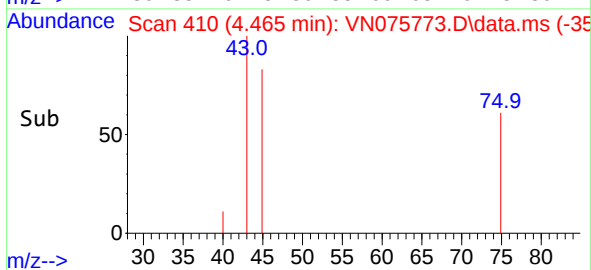
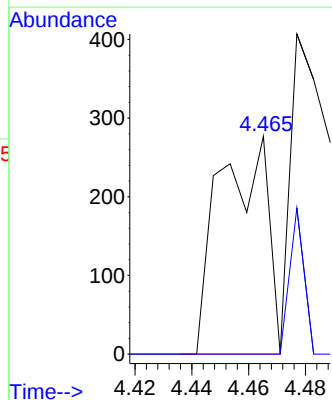
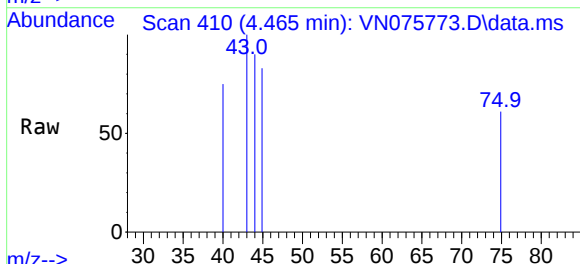
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

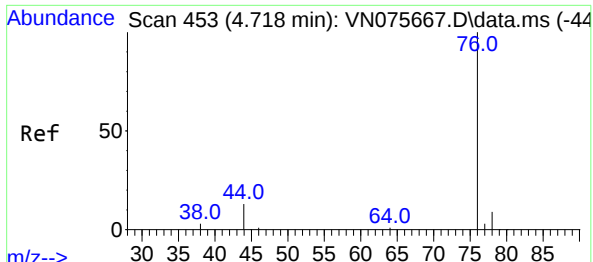
Tgt Ion: 53 Resp: 407  
Ion Ratio Lower Upper  
53 100  
52 48.9 65.4 98.0#  
51 17.2 28.9 43.3#



#16  
Acetone  
Concen: 0.269 ug/l  
RT: 4.465 min Scan# 410  
Delta R.T. 0.024 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 43 Resp: 327  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.6 43.0#

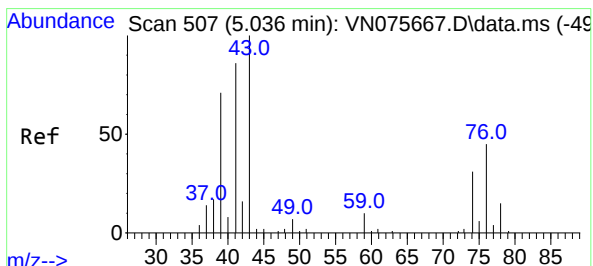
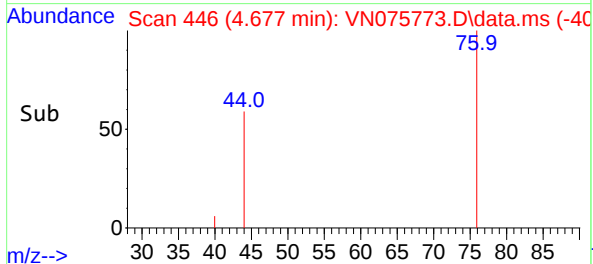
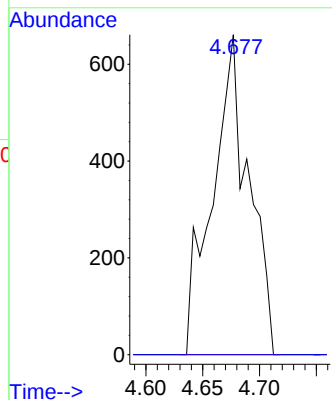
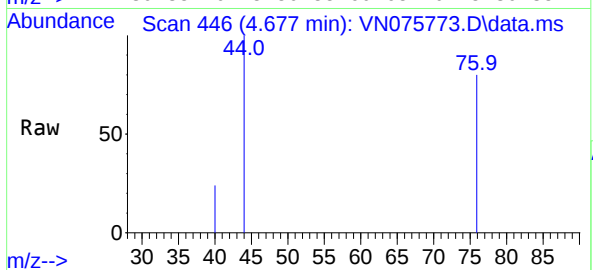




#17  
Carbon Disulfide  
Concen: 0.212 ug/l  
RT: 4.677 min Scan# 44  
Delta R.T. -0.041 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

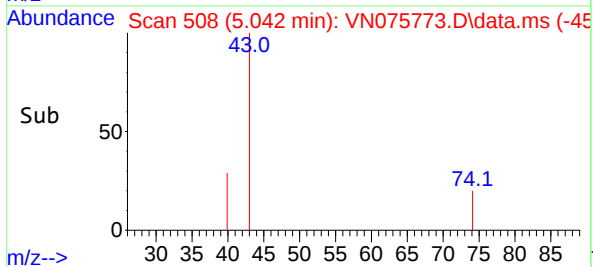
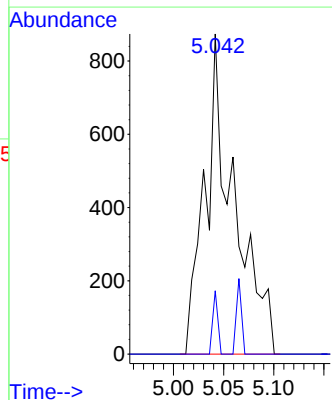
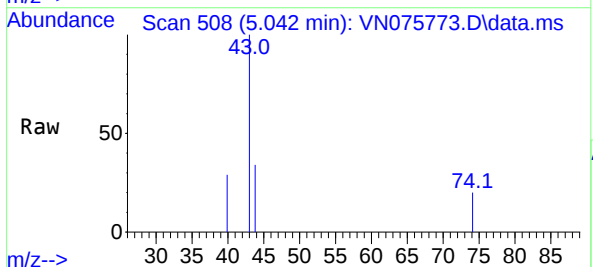
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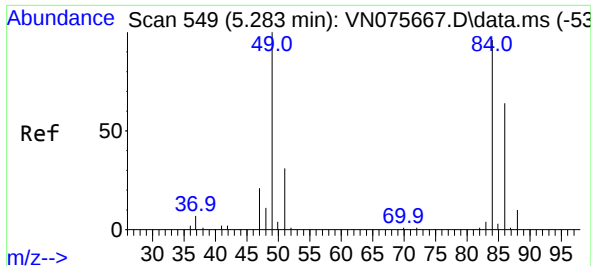
Tgt Ion: 76 Resp: 1475  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.8 10.2#



#18  
Methyl Acetate  
Concen: 0.490 ug/l  
RT: 5.042 min Scan# 508  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 43 Resp: 1758  
Ion Ratio Lower Upper  
43 100  
74 3.5 23.6 35.4#

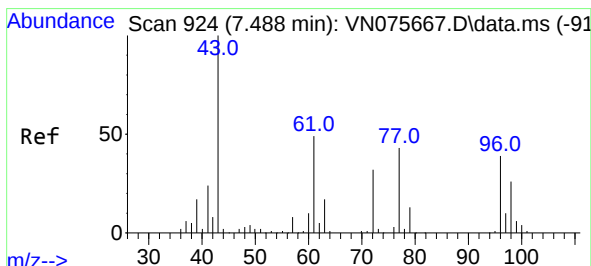
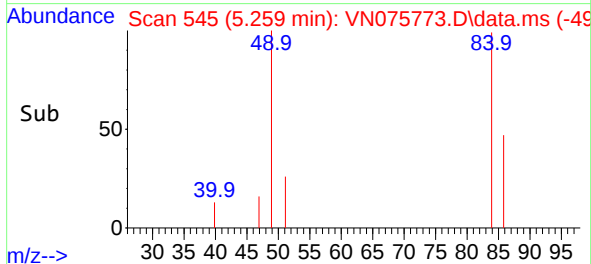
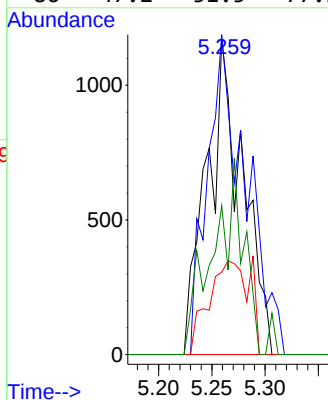
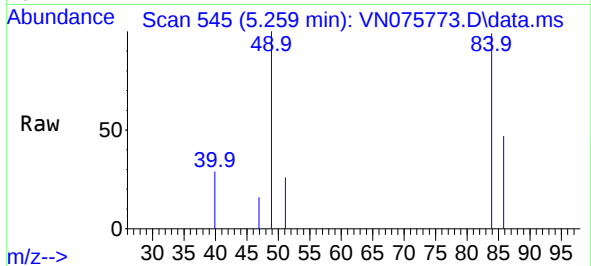




#20  
Methylene Chloride  
Concen: 0.210 ug/l  
RT: 5.259 min Scan# 54  
Delta R.T. -0.030 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

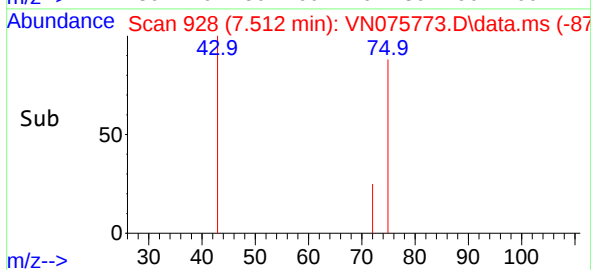
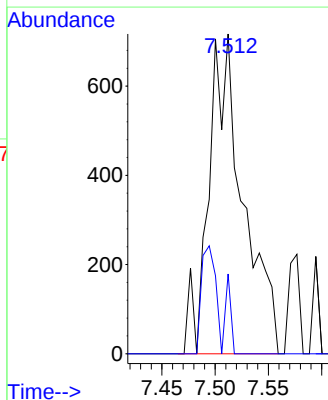
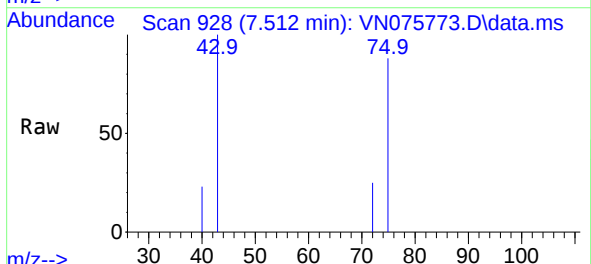
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

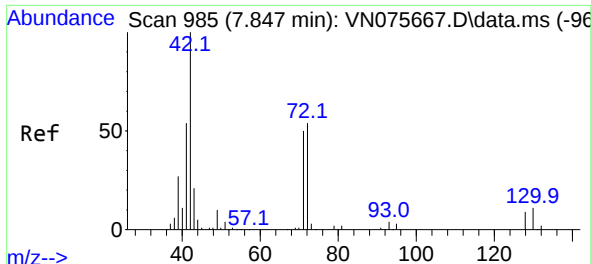
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2756  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.5 | 81.8  | 122.6 |
| 51       | 26.1  | 26.7  | 40.1# |
| 86       | 47.2  | 51.5  | 77.3# |



#25  
2-Butanone  
Concen: 0.947 ug/l  
RT: 7.512 min Scan# 928  
Delta R.T. 0.024 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1611  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 25.0  | 28.0  | 42.0# |





#29

Tetrahydrofuran

Concen: 0.710 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-120922

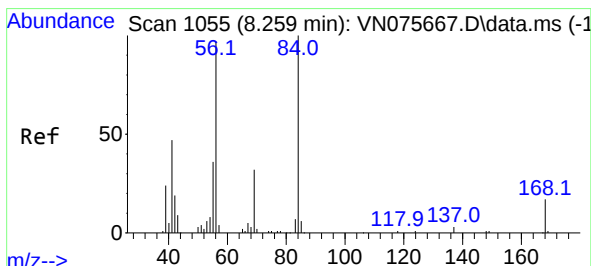
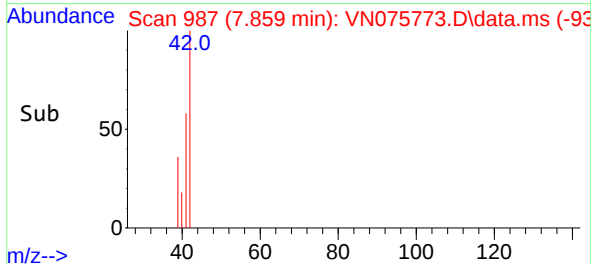
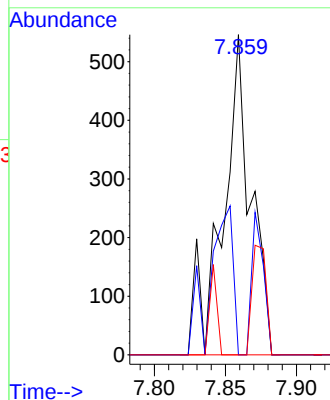
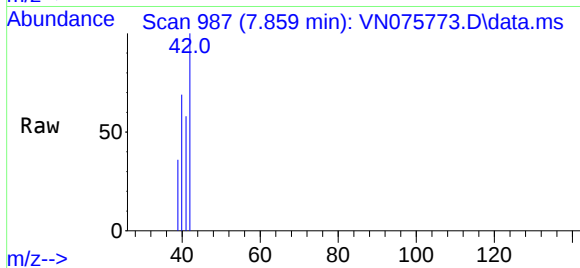
Tgt Ion: 42 Resp: 757

Ion Ratio Lower Upper

42 100

72 37.5 44.5 66.7#

71 7.1 41.0 61.6#



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

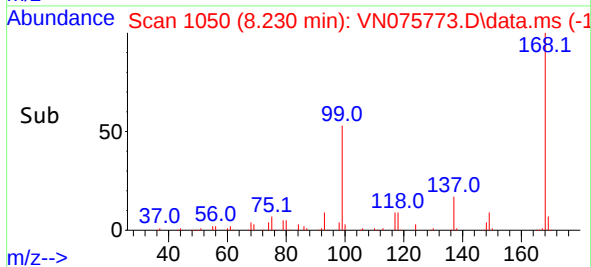
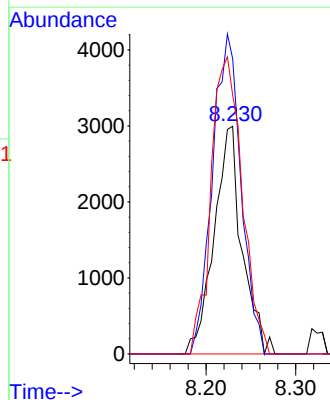
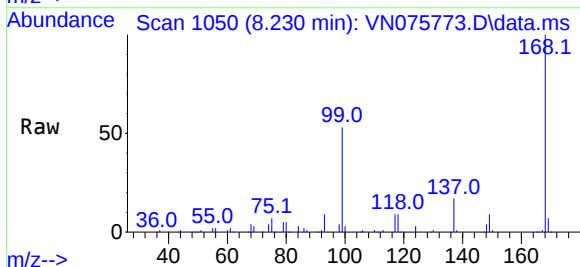
Tgt Ion: 56 Resp: 6490

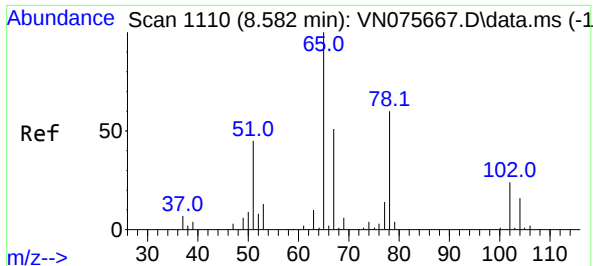
Ion Ratio Lower Upper

56 100

69 129.6 24.7 37.1#

84 113.7 76.5 114.7

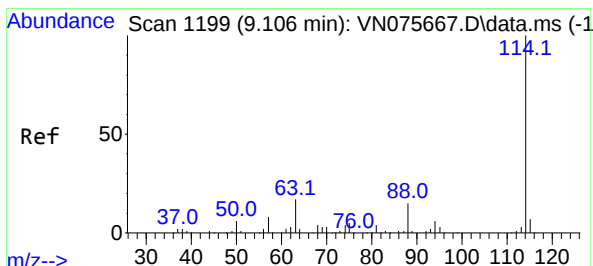
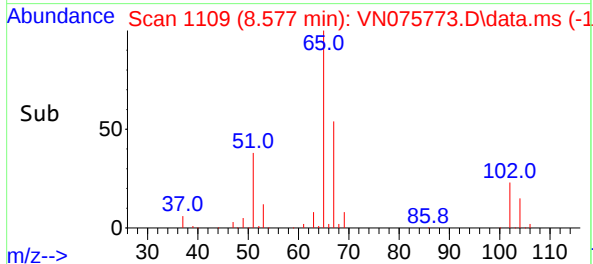
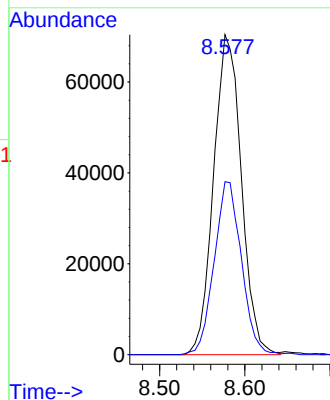
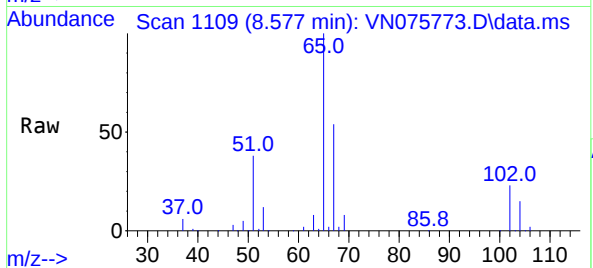




#33  
1,2-Dichloroethane-d4  
Concen: 45.290 ug/l  
RT: 8.577 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

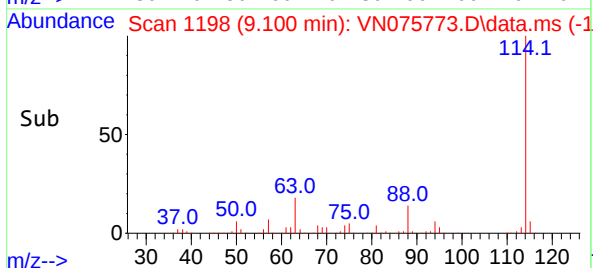
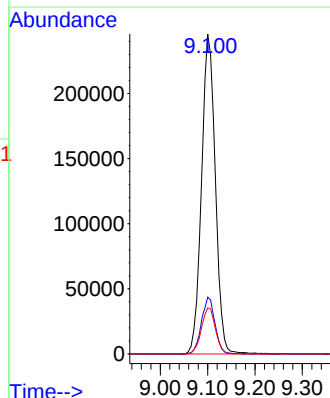
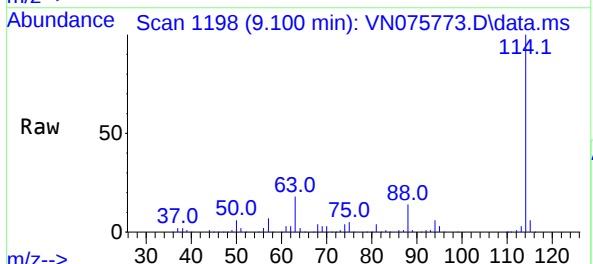
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

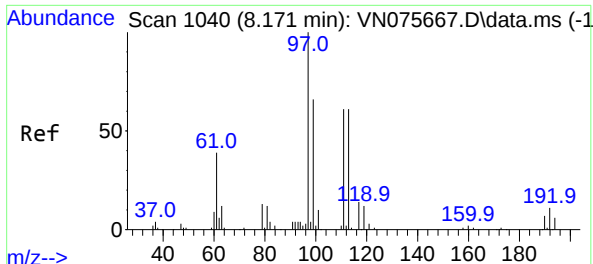
Tgt Ion: 65 Resp: 159588  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 114 Resp: 497409  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 34.4  
88 14.4 0.0 28.8

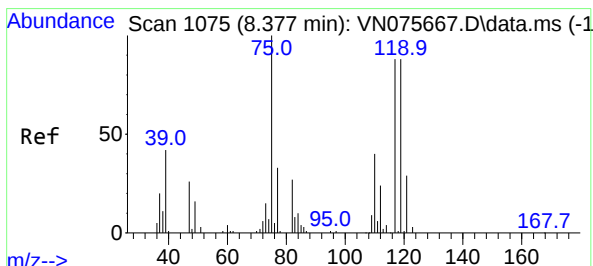
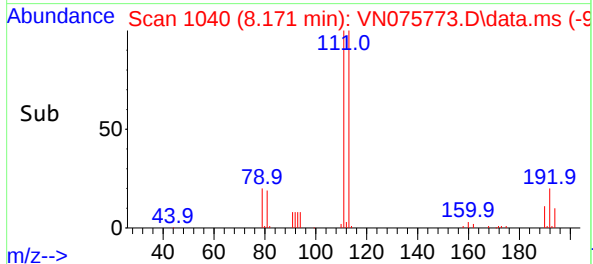
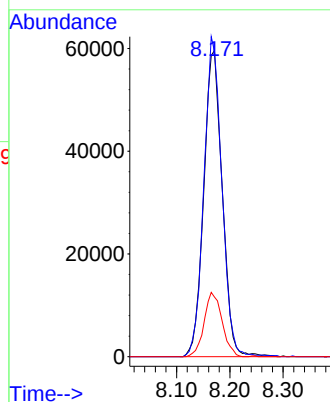
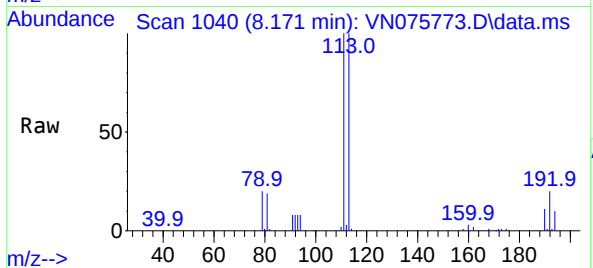




#35  
Dibromofluoromethane  
Concen: 46.764 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

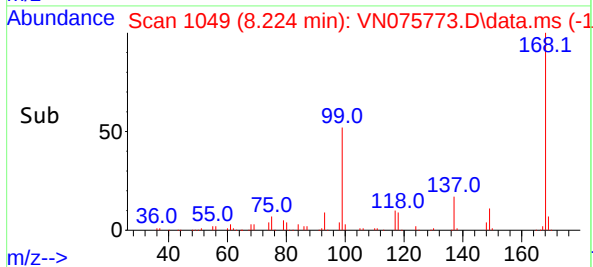
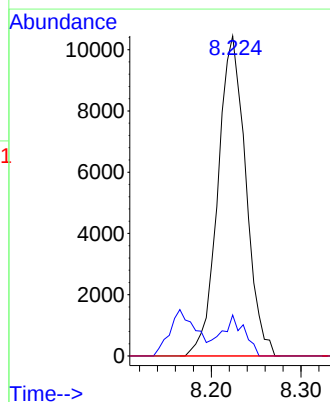
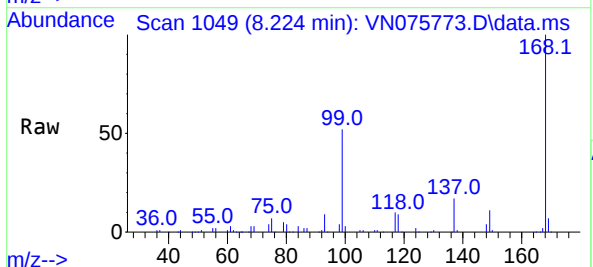
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

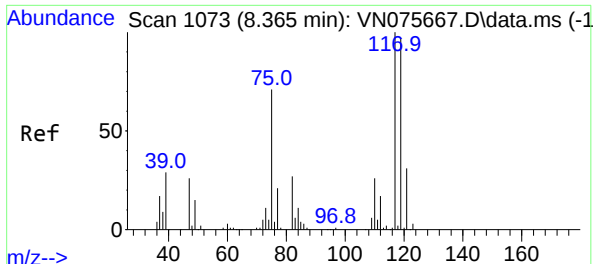
Tgt Ion:113 Resp: 144051  
Ion Ratio Lower Upper  
113 100  
111 101.0 83.4 125.2  
192 20.4 16.1 24.1



#36  
1,1-Dichloropropene  
Concen: 5.505 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.153 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

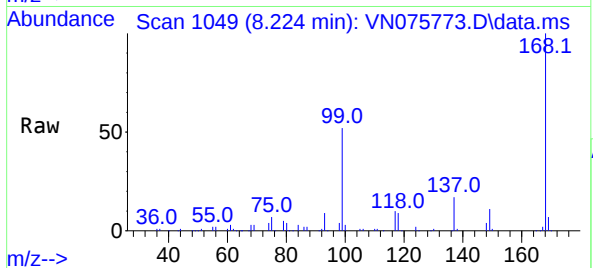
Tgt Ion: 75 Resp: 22526  
Ion Ratio Lower Upper  
75 100  
110 10.0 18.8 56.4#  
77 0.0 24.1 36.1#



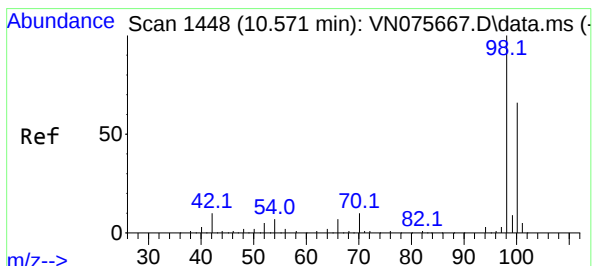
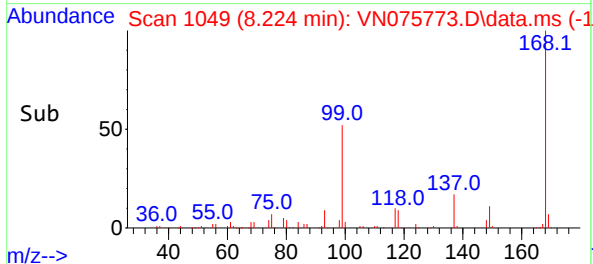
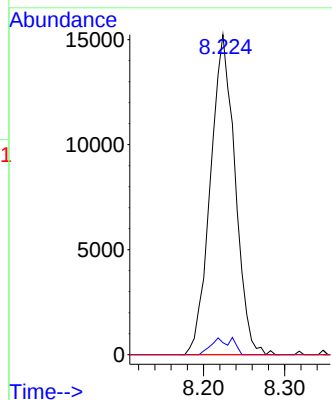


#38  
Carbon Tetrachloride  
Concen: 7.020 ug/l  
RT: 8.224 min Scan# 1073  
Delta R.T. -0.141 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

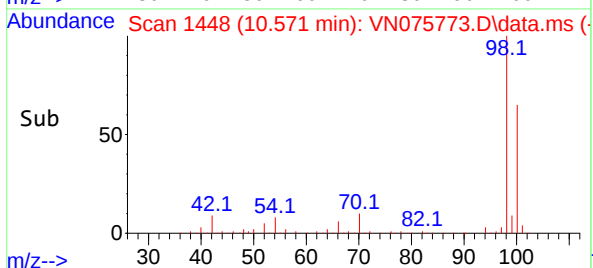
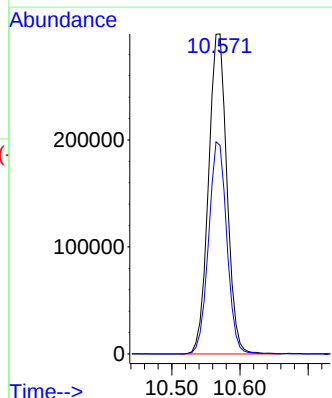
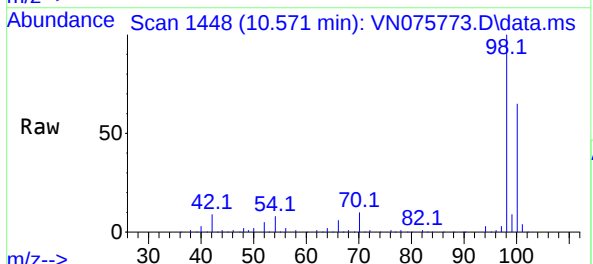


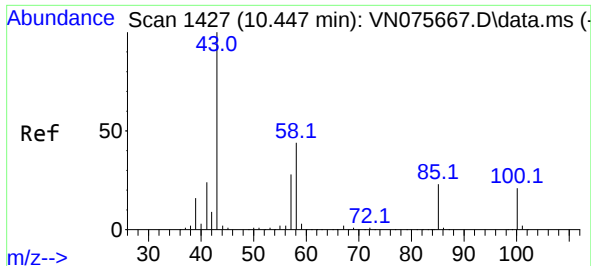
Tgt Ion:117 Resp: 32149  
Ion Ratio Lower Upper  
117 100  
119 3.7 76.1 114.1#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 48.853 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 98 Resp: 562650  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.476 ug/l

RT: 10.453 min Scan# 1427

Delta R.T. 0.006 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

Instrument :

MSVOA\_N

ClientSampleId :

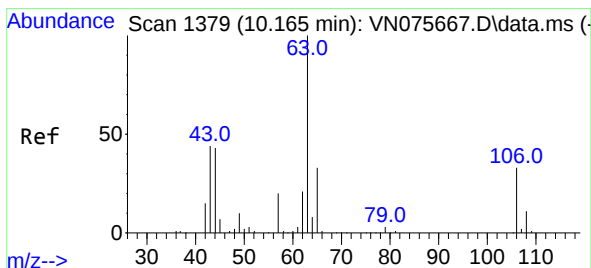
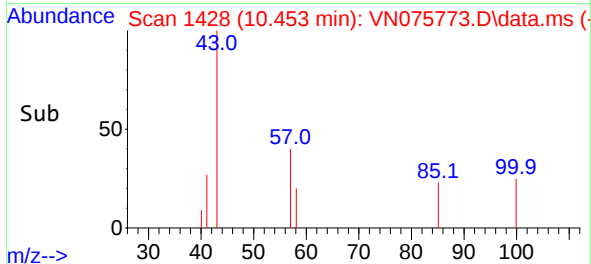
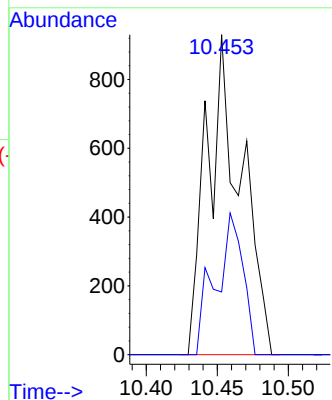
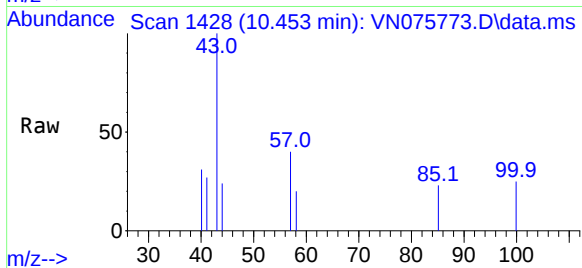
OR-02-120922

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

58 35.3 35.5 53.3#



#58

2-Chloroethyl Vinyl ether

Concen: 0.206 ug/l

RT: 10.153 min Scan# 1377

Delta R.T. -0.012 min

Lab File: VN075773.D

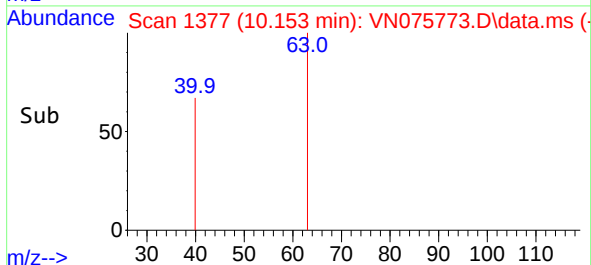
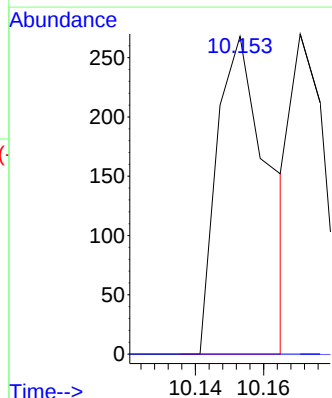
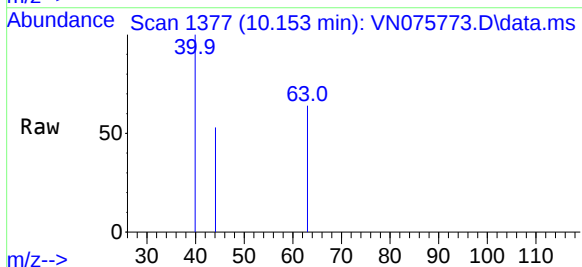
Acq: 14 Dec 2022 16:27

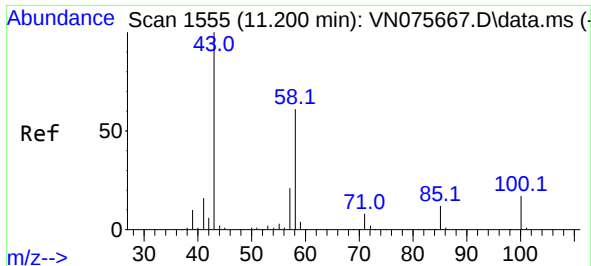
Tgt Ion: 63 Resp: 281

Ion Ratio Lower Upper

63 100

106 0.0 26.4 39.6#

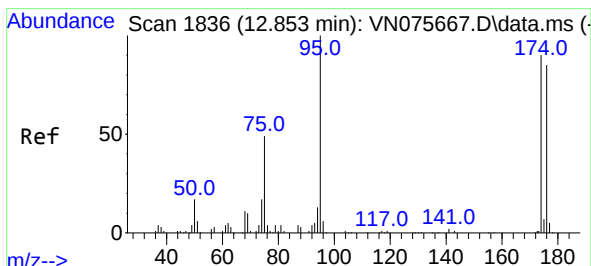
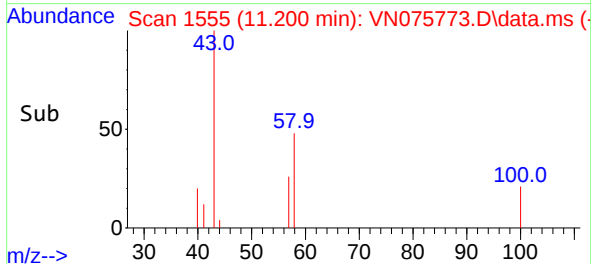
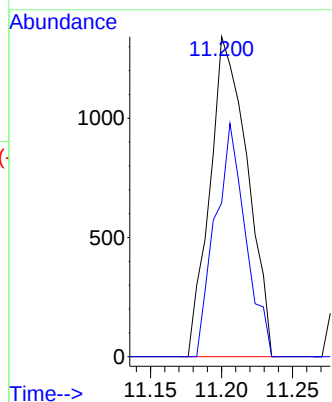
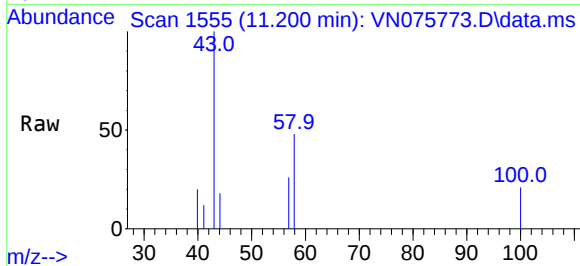




#59  
2-Hexanone  
Concen: 1.030 ug/l  
RT: 11.200 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

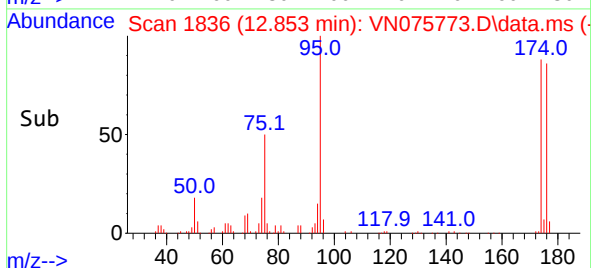
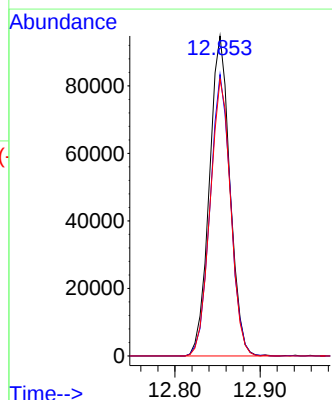
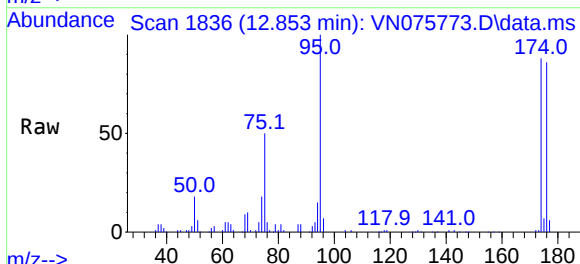
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

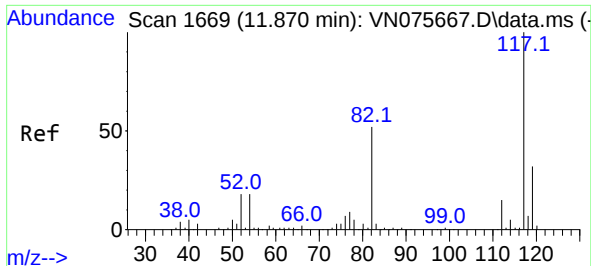
Tgt Ion: 43 Resp: 2462  
Ion Ratio Lower Upper  
43 100  
58 59.0 30.6 92.0



#62  
4-Bromofluorobenzene  
Concen: 41.664 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 95 Resp: 158934  
Ion Ratio Lower Upper  
95 100  
174 87.3 0.0 171.6  
176 86.2 0.0 169.2

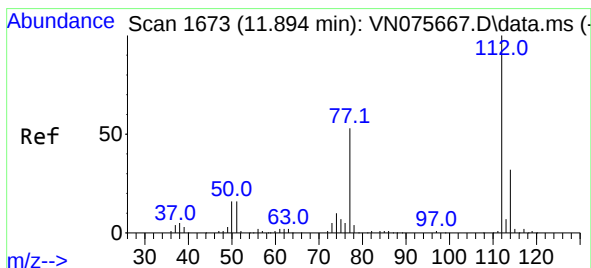
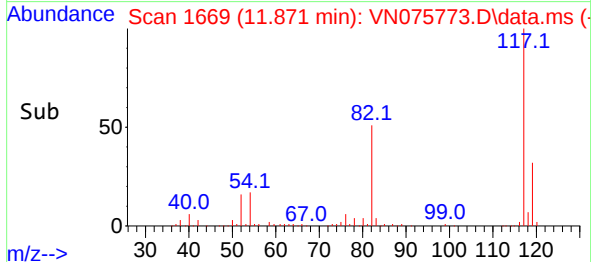
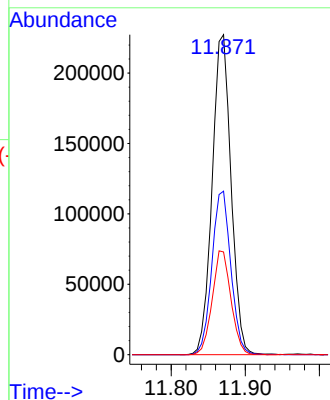
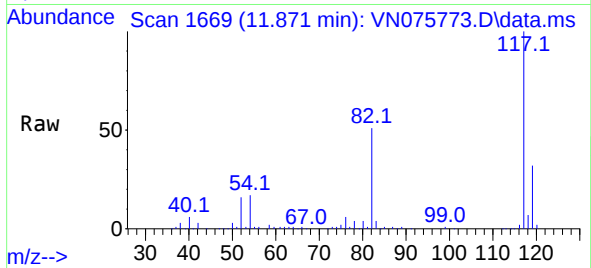




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

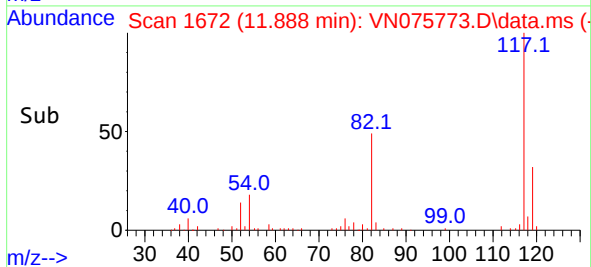
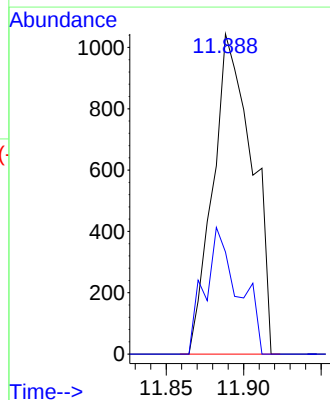
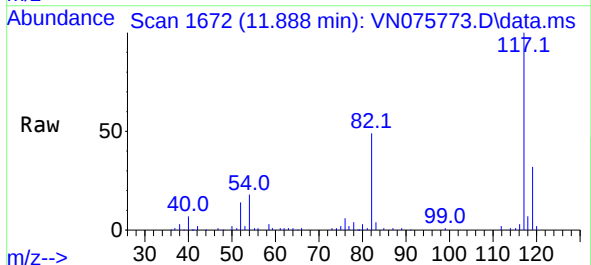
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

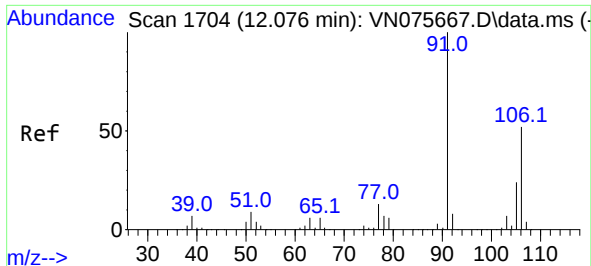
Tgt Ion:117 Resp: 402816  
Ion Ratio Lower Upper  
117 100  
82 51.1 41.3 61.9  
119 32.1 24.6 37.0



#65  
Chlorobenzene  
Concen: 0.221 ug/l  
RT: 11.888 min Scan# 1672  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion:112 Resp: 1828  
Ion Ratio Lower Upper  
112 100  
114 31.9 24.7 37.1

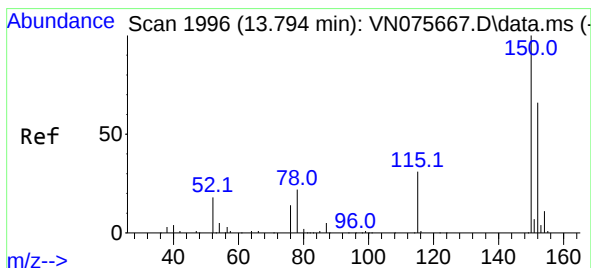
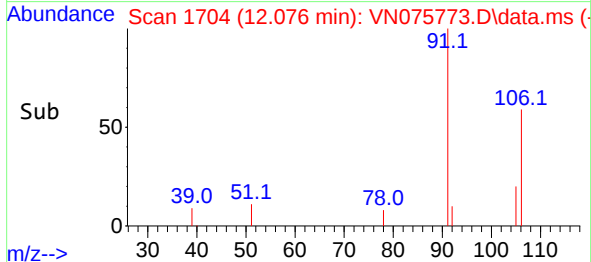
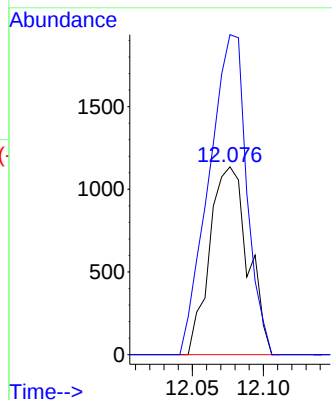
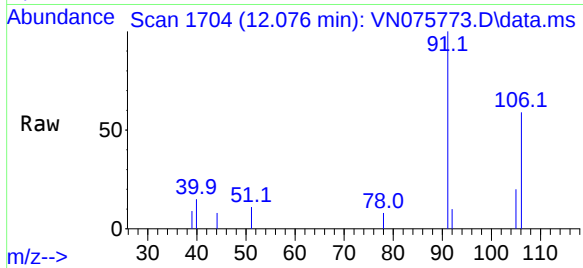




#68  
m/p-Xylenes  
Concen: 0.384 ug/l  
RT: 12.076 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

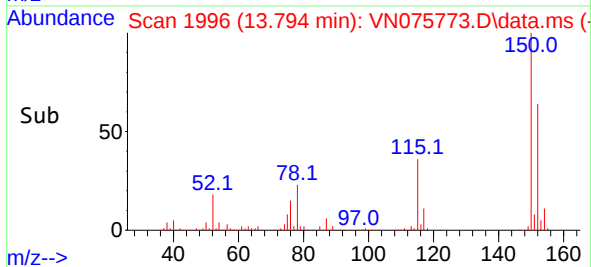
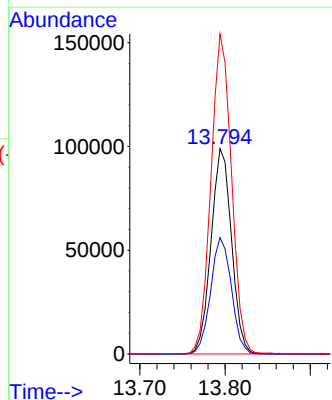
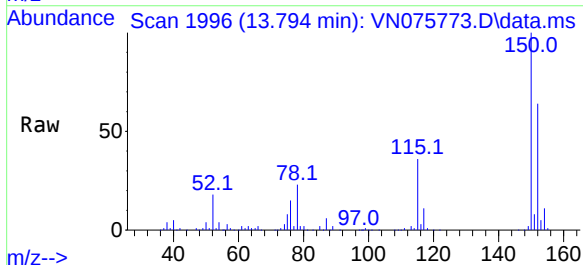
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

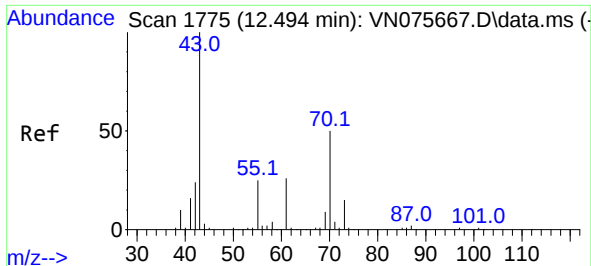
Tgt Ion:106 Resp: 2123  
Ion Ratio Lower Upper  
106 100  
91 168.6 156.6 235.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion:152 Resp: 165075  
Ion Ratio Lower Upper  
152 100  
115 57.4 29.1 87.4  
150 156.6 0.0 347.0

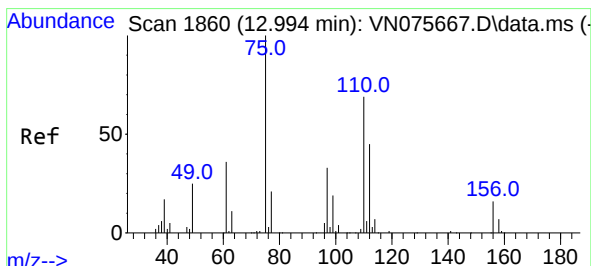
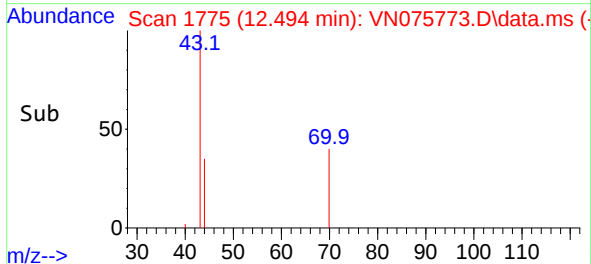
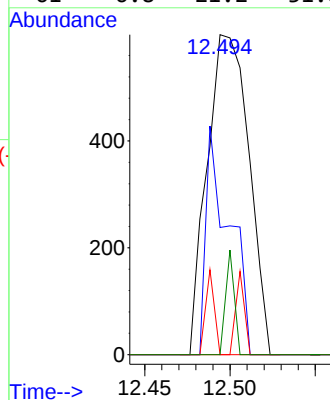
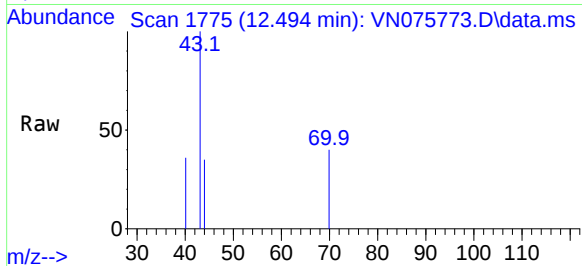




#74  
N-amy1 acetate  
Concen: 0.292 ug/l  
RT: 12.494 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

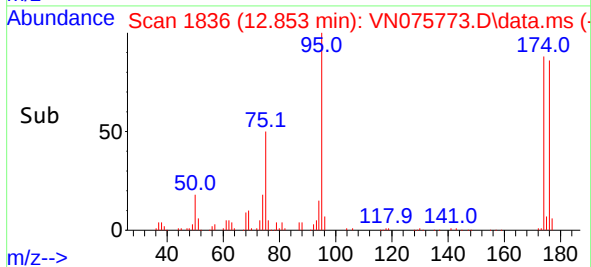
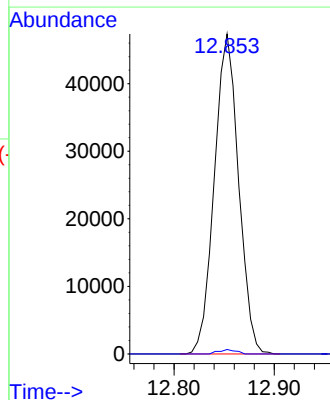
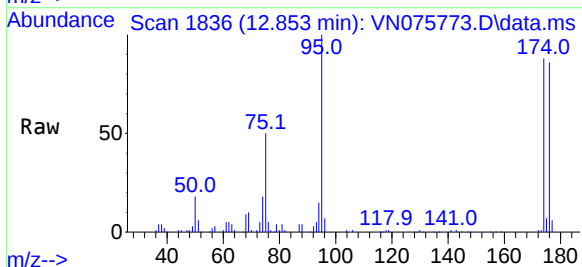
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

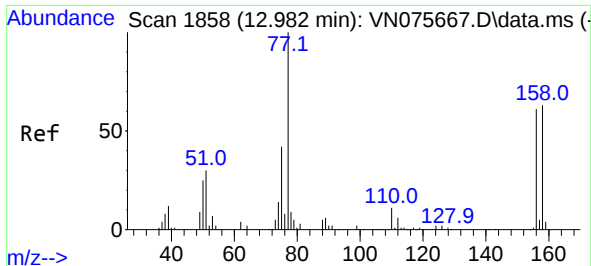
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 1022        |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 70          | 0.0   | 41.4 62.0#  |
| 55          | 5.4   | 21.3 31.9#  |
| 61          | 6.8   | 21.2 31.8#  |



#76  
1,2,3-Trichloropropane  
Concen: 23.890 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

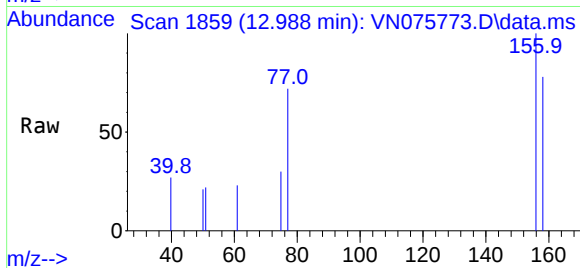
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 79493       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 1.0   | 82.6 247.8# |





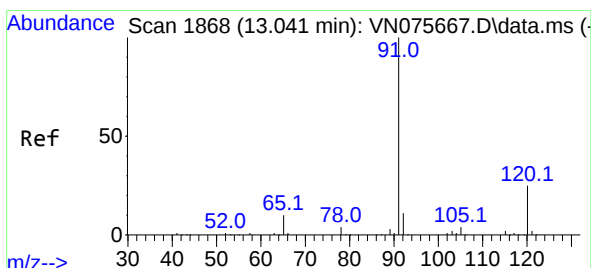
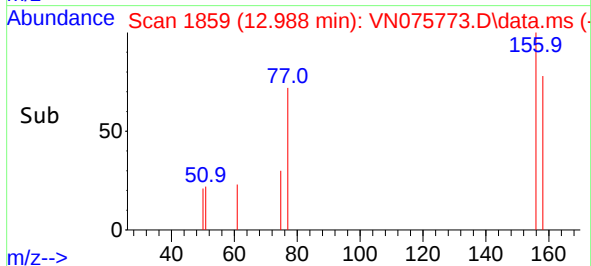
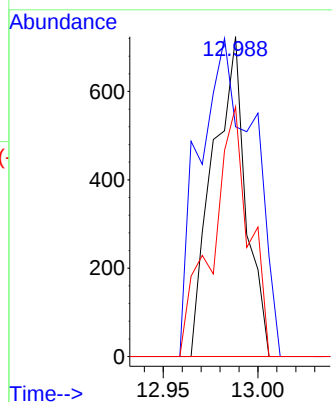
#77  
Bromobenzene  
Concen: 0.290 ug/l  
RT: 12.988 min Scan# 1859  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922



Tgt Ion:156 Resp: 875

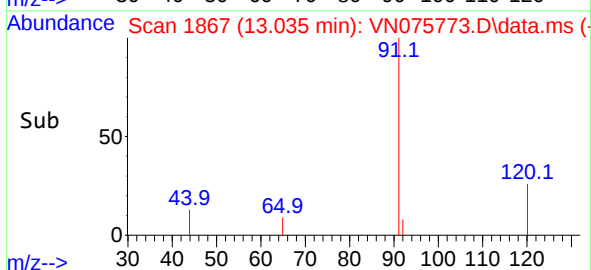
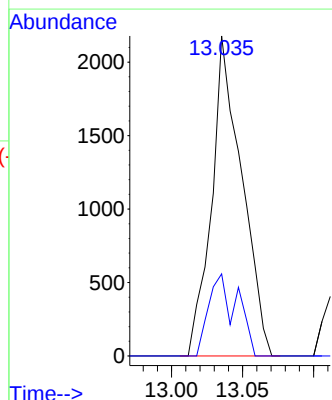
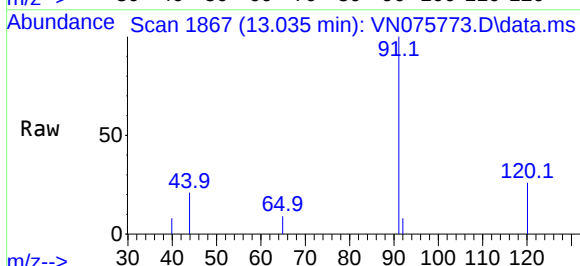
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 163.2 | 93.8  | 281.3 |
| 158 | 87.4  | 48.9  | 146.6 |

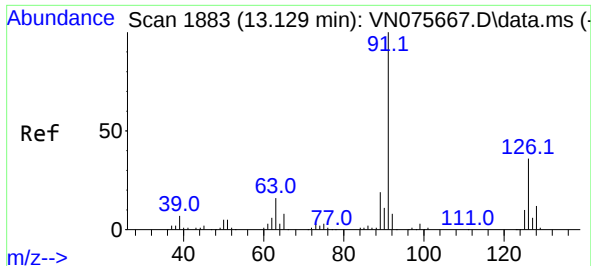


#78  
n-propylbenzene  
Concen: 0.245 ug/l  
RT: 13.035 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 91 Resp: 3220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 24.1  | 12.0  | 36.1  |





#79

2-Chlorotoluene

Concen: 0.232 ug/l

RT: 13.141 min Scan# 1885

Delta R.T. 0.012 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

Instrument :

MSVOA\_N

ClientSampleId :

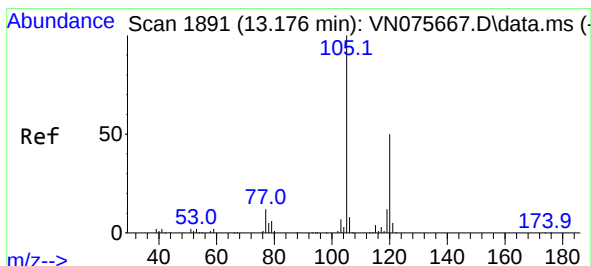
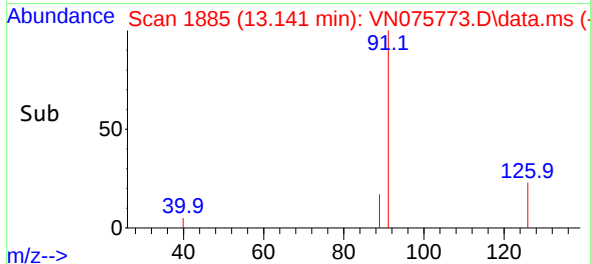
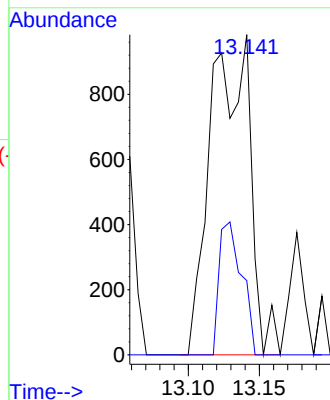
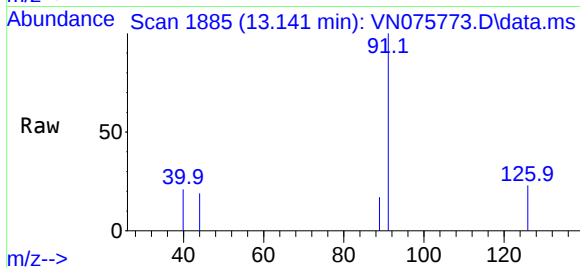
OR-02-120922

Tgt Ion: 91 Resp: 1904

Ion Ratio Lower Upper

91 100

126 23.6 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 0.203 ug/l

RT: 13.182 min Scan# 1892

Delta R.T. 0.006 min

Lab File: VN075773.D

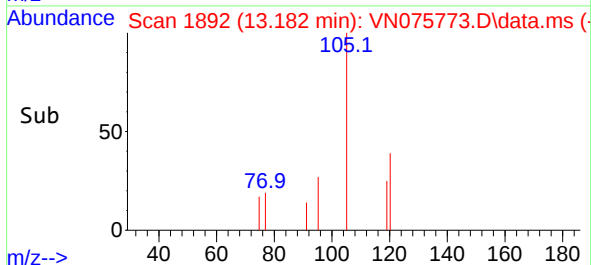
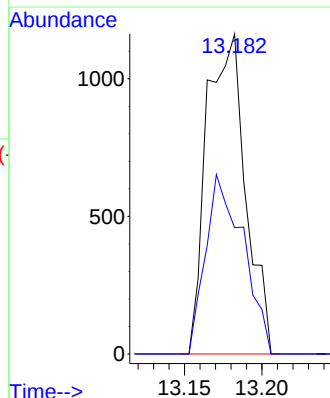
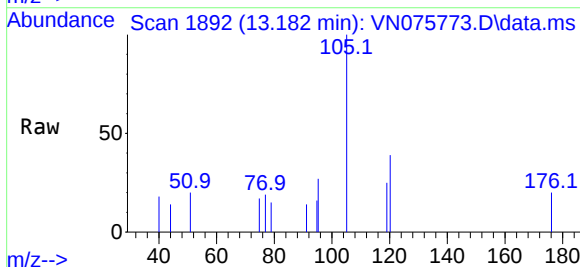
Acq: 14 Dec 2022 16:27

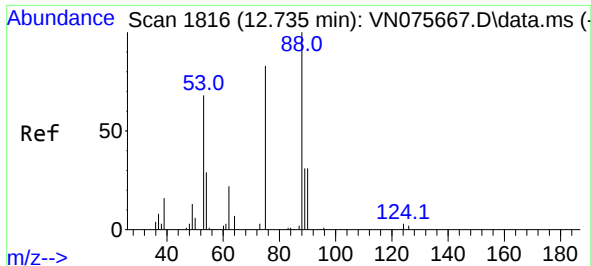
Tgt Ion: 105 Resp: 2026

Ion Ratio Lower Upper

105 100

120 54.1 24.7 74.1

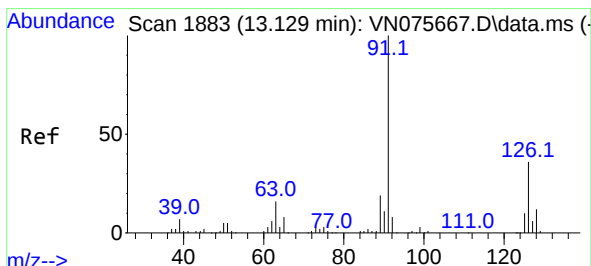
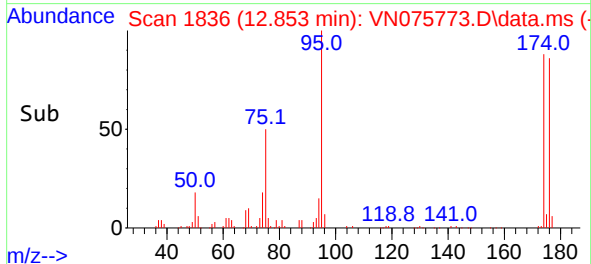
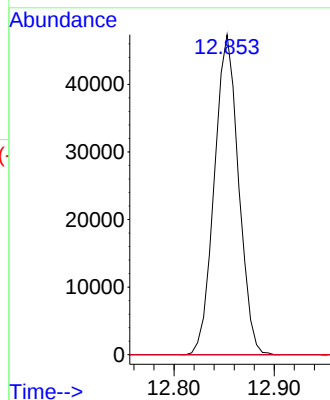
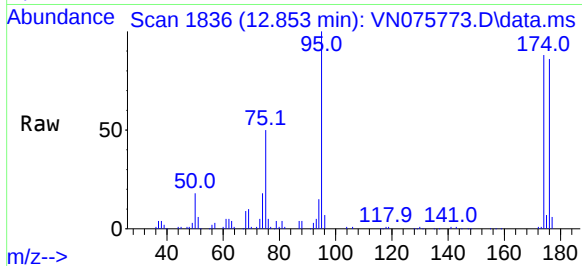




#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.991 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

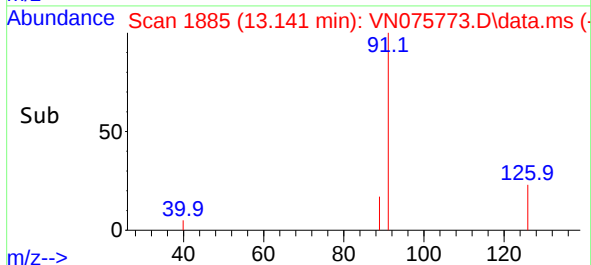
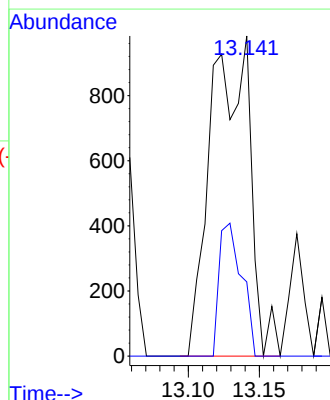
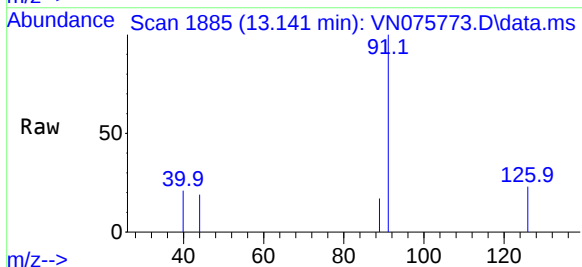
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

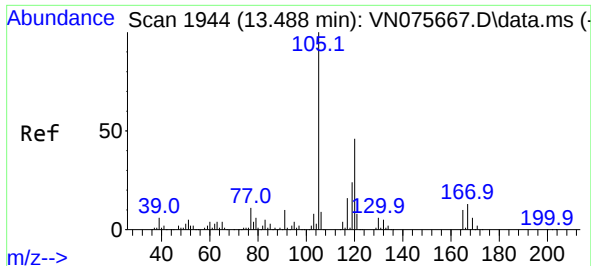
Tgt Ion: 75 Resp: 79493  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#



#82  
4-Chlorotoluene  
Concen: 0.232 ug/l  
RT: 13.141 min Scan# 1885  
Delta R.T. 0.012 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion: 91 Resp: 1904  
Ion Ratio Lower Upper  
91 100  
126 23.6 17.5 52.5

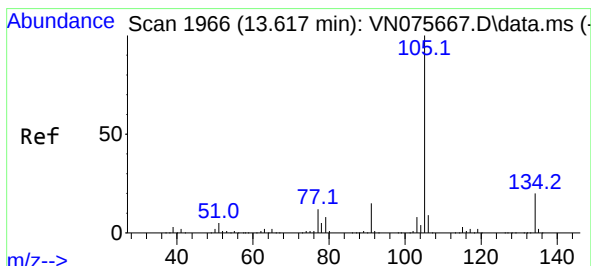
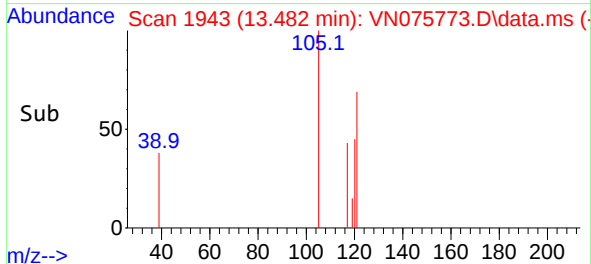
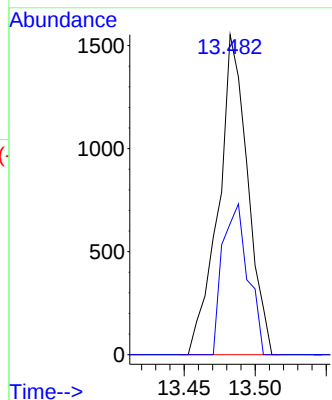
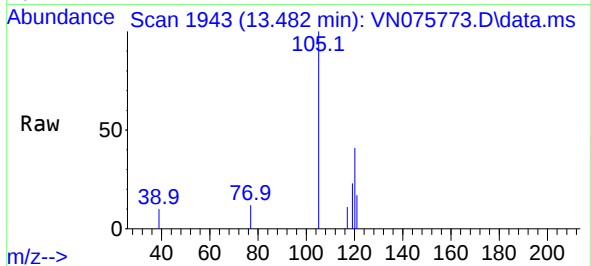




#84  
1,2,4-Trimethylbenzene  
Concen: 0.224 ug/l  
RT: 13.482 min Scan# 1944  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

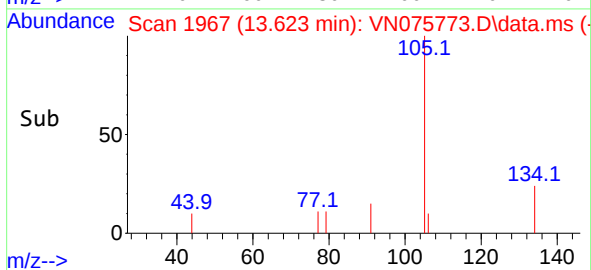
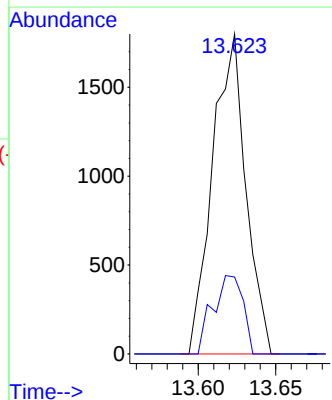
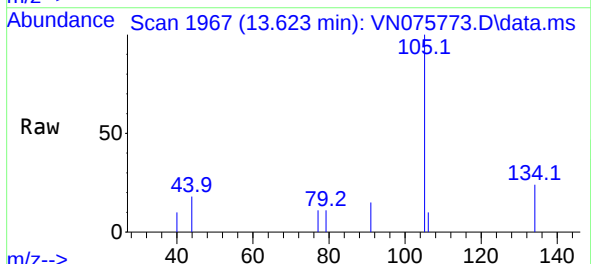
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

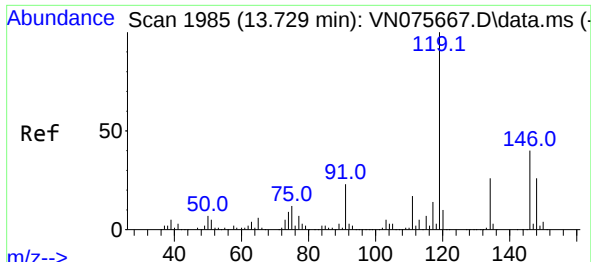
Tgt Ion:105 Resp: 2221  
Ion Ratio Lower Upper  
105 100  
120 41.0 23.3 69.8



#85  
sec-Butylbenzene  
Concen: 0.221 ug/l  
RT: 13.623 min Scan# 1967  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion:105 Resp: 2685  
Ion Ratio Lower Upper  
105 100  
134 22.1 10.1 30.1



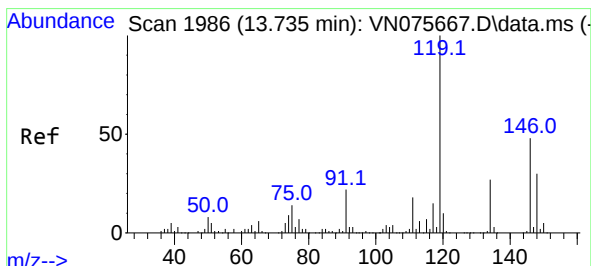
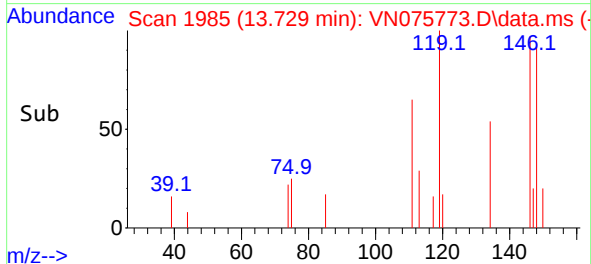
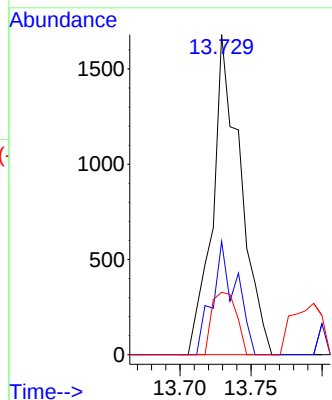
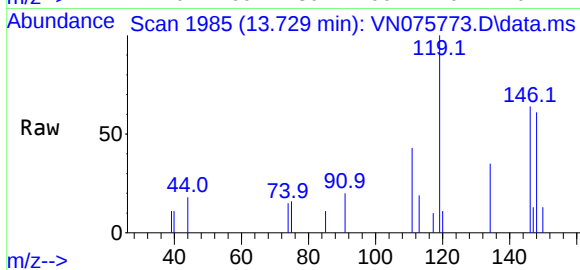


#86  
p-Isopropyltoluene  
Concen: 0.228 ug/l  
RT: 13.729 min Scan# 1985  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

Tgt Ion:119 Resp: 2304

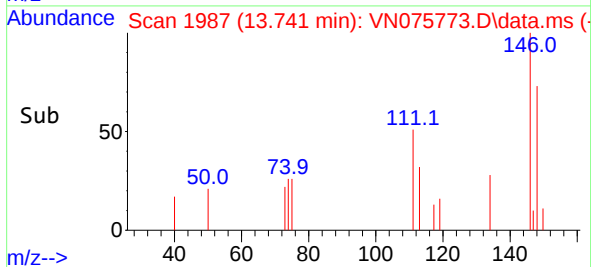
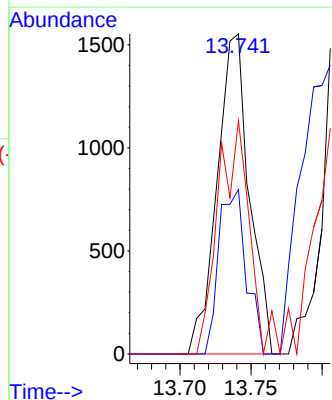
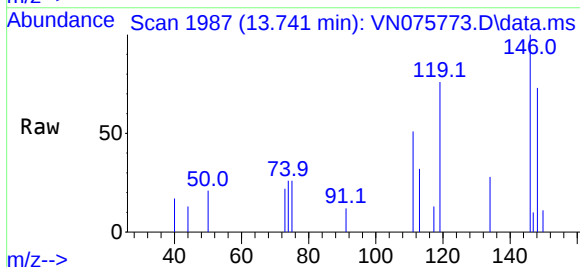
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 30.3  | 13.0  | 39.0  |
| 91  | 17.2  | 11.2  | 33.6  |

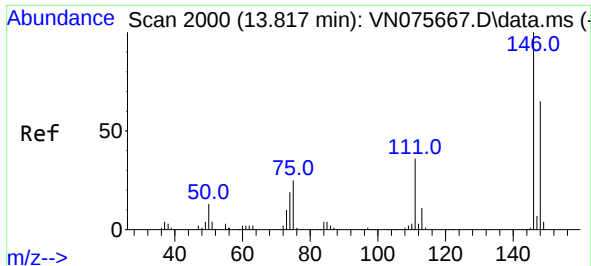


#87  
1,3-Dichlorobenzene  
Concen: 0.441 ug/l  
RT: 13.741 min Scan# 1987  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion:146 Resp: 2460

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 43.5  | 19.7  | 59.0  |
| 148 | 70.7  | 31.4  | 94.2  |

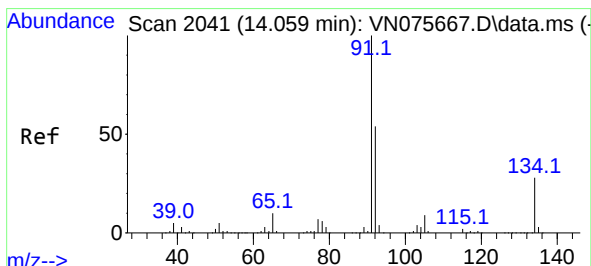
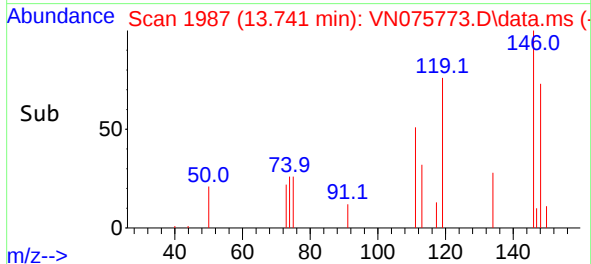
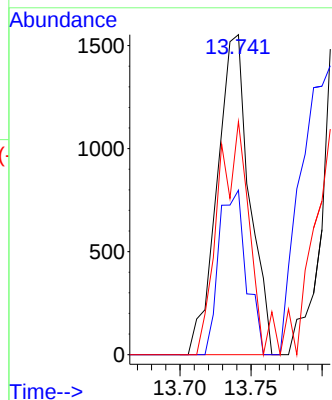
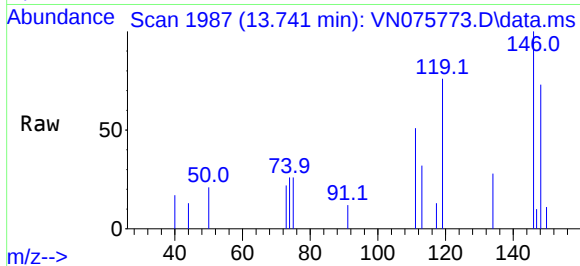




#88  
 1,4-Dichlorobenzene  
 Concen: 0.432 ug/l  
 RT: 13.741 min Scan# 1987  
 Delta R.T. -0.071 min  
 Lab File: VN075773.D  
 Acq: 14 Dec 2022 16:27

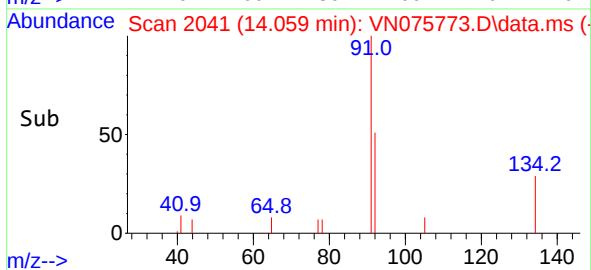
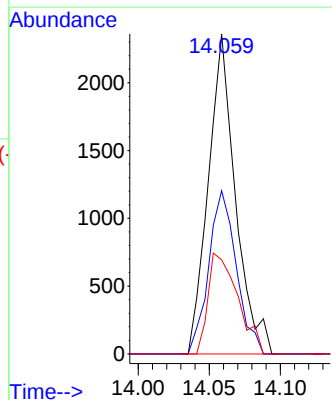
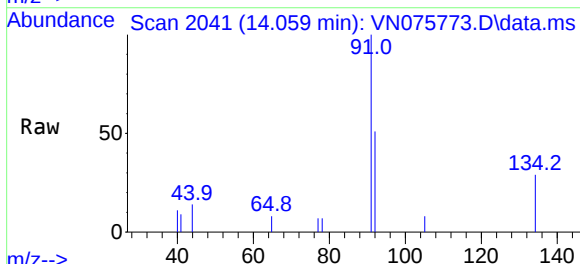
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-120922

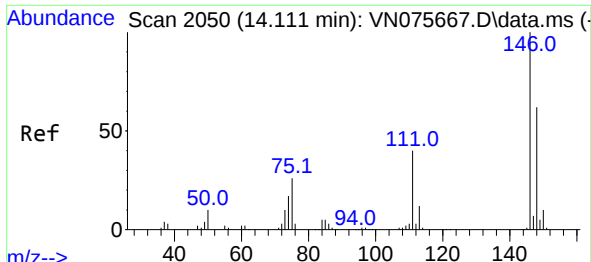
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 2460        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 43.5  | 19.1 57.1   |
| 148         | 70.7  | 32.0 96.2   |



#89  
 n-Butylbenzene  
 Concen: 0.384 ug/l  
 RT: 14.059 min Scan# 2041  
 Delta R.T. 0.000 min  
 Lab File: VN075773.D  
 Acq: 14 Dec 2022 16:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 3143        |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 92          | 51.8  | 26.4 79.2   |
| 134         | 34.3  | 13.4 40.2   |





#91

1,2-Dichlorobenzene

Concen: 0.498 ug/l

RT: 14.112 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-120922

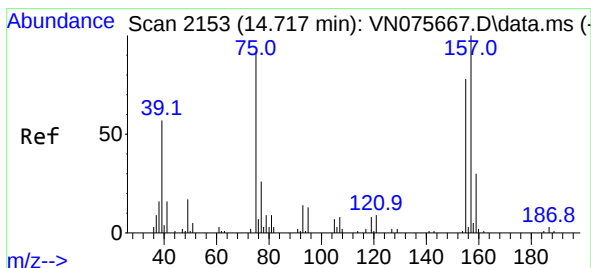
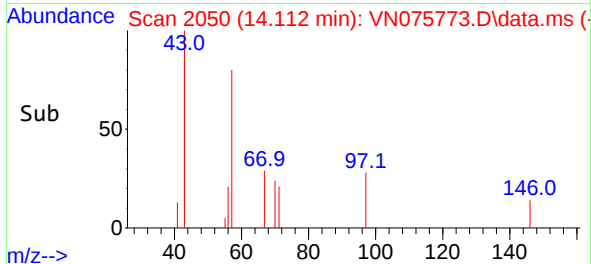
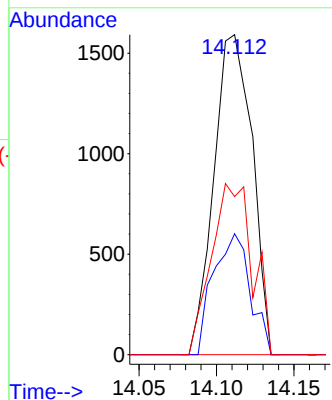
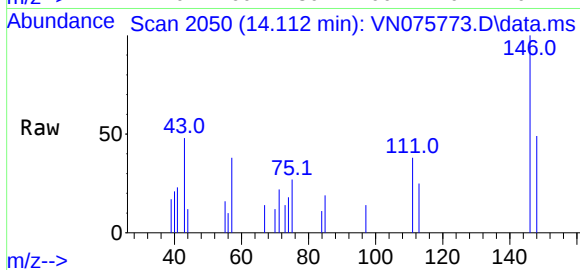
Tgt Ion:146 Resp: 2738

Ion Ratio Lower Upper

146 100

111 36.3 20.3 61.0

148 57.5 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.200 ug/l

RT: 14.729 min Scan# 2155

Delta R.T. 0.006 min

Lab File: VN075773.D

Acq: 14 Dec 2022 16:27

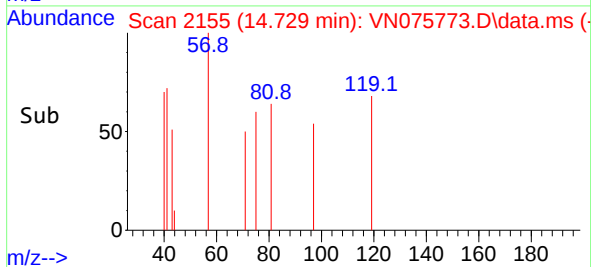
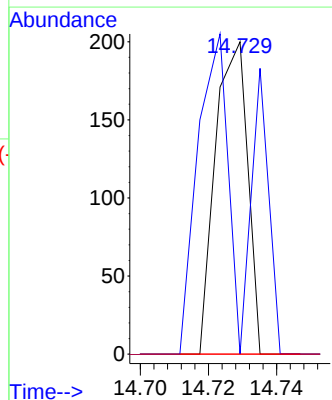
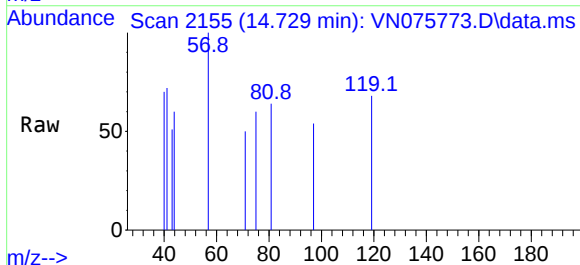
Tgt Ion: 75 Resp: 131

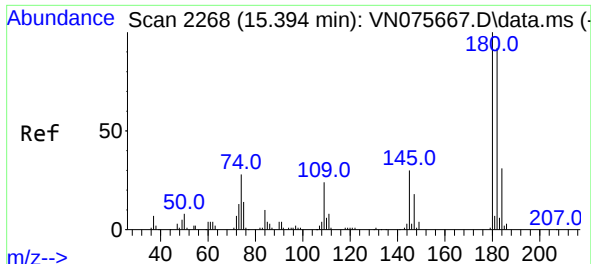
Ion Ratio Lower Upper

75 100

155 145.0 49.3 147.8

157 0.0 63.7 191.3#

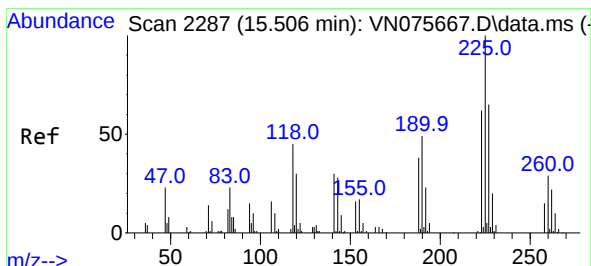
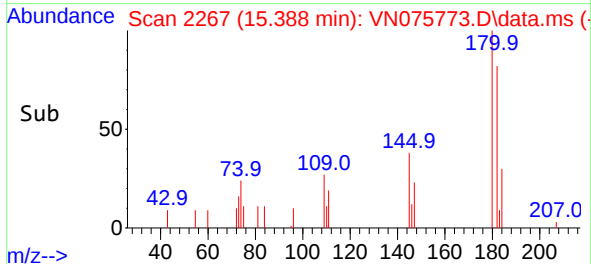
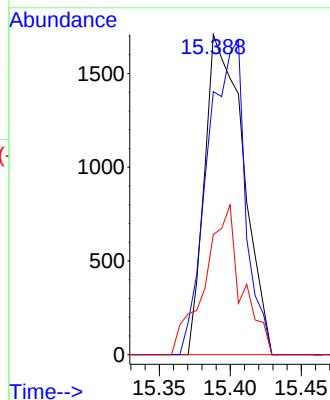
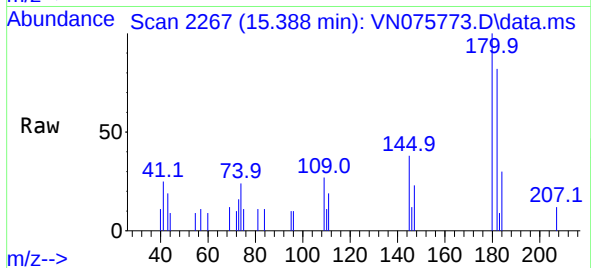




#93  
1,2,4-Trichlorobenzene  
Concen: 1.185 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

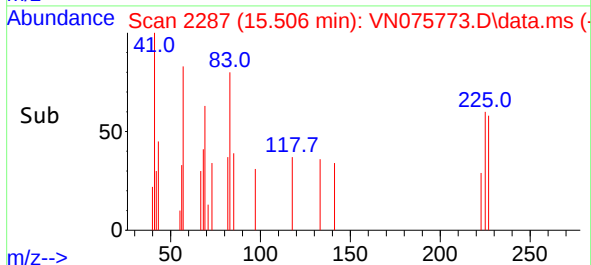
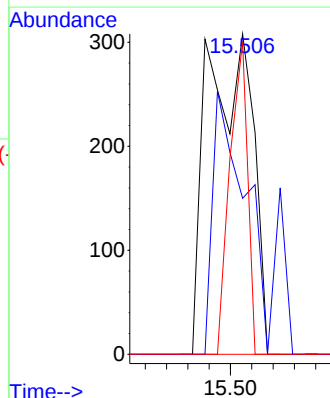
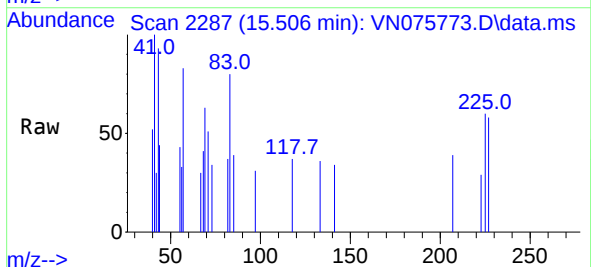
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

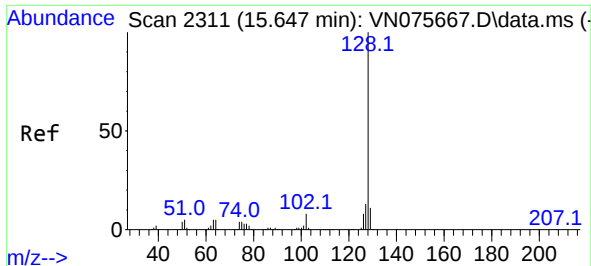
Tgt Ion:180 Resp: 3223  
Ion Ratio Lower Upper  
180 100  
182 95.9 47.5 142.5  
145 44.8 15.3 45.8



#94  
Hexachlorobutadiene  
Concen: 0.307 ug/l  
RT: 15.506 min Scan# 2287  
Delta R.T. 0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Tgt Ion:225 Resp: 455  
Ion Ratio Lower Upper  
225 100  
223 71.4 31.5 94.5  
227 38.0 31.6 95.0

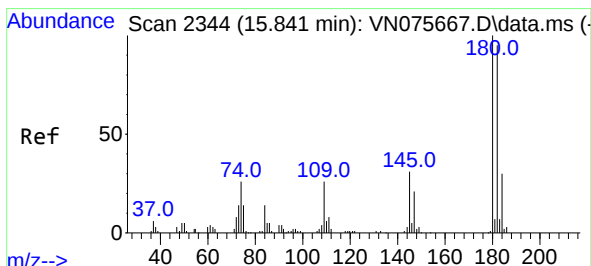
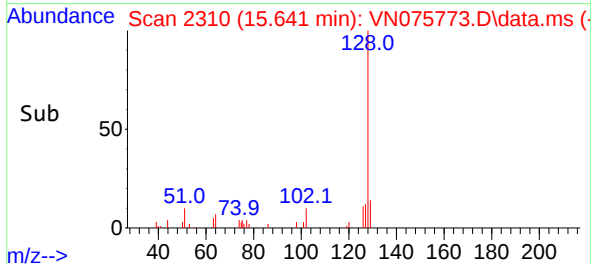
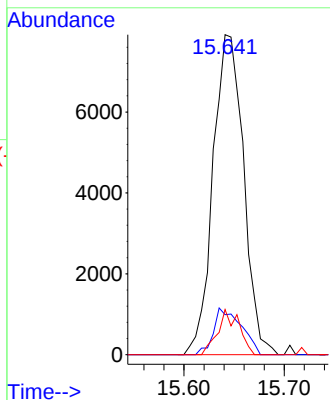
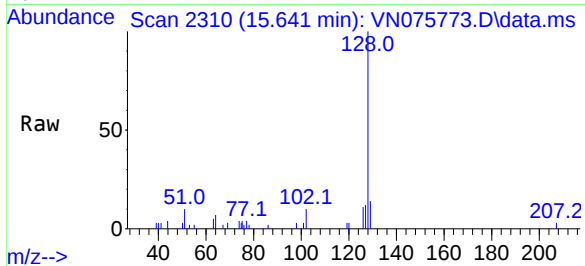




#95  
Naphthalene  
Concen: 3.964 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-120922

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 16779       |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 13.2  | 10.4 15.6   |
| 129         | 9.9   | 8.7 13.1    |



#96  
1,2,3-Trichlorobenzene  
Concen: 1.562 ug/l  
RT: 15.847 min Scan# 2345  
Delta R.T. 0.006 min  
Lab File: VN075773.D  
Acq: 14 Dec 2022 16:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 3971        |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 100.5 | 47.0 141.0  |
| 145         | 45.0  | 16.0 47.9   |

