

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
 Data File : VN083821.D  
 Acq On : 12 Sep 2024 09:44  
 Operator : JC\MD  
 Sample : VN0912WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0912WBL01

Quant Time: Sep 12 16:44:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 15:18:56 2024  
 Response via : Initial Calibration

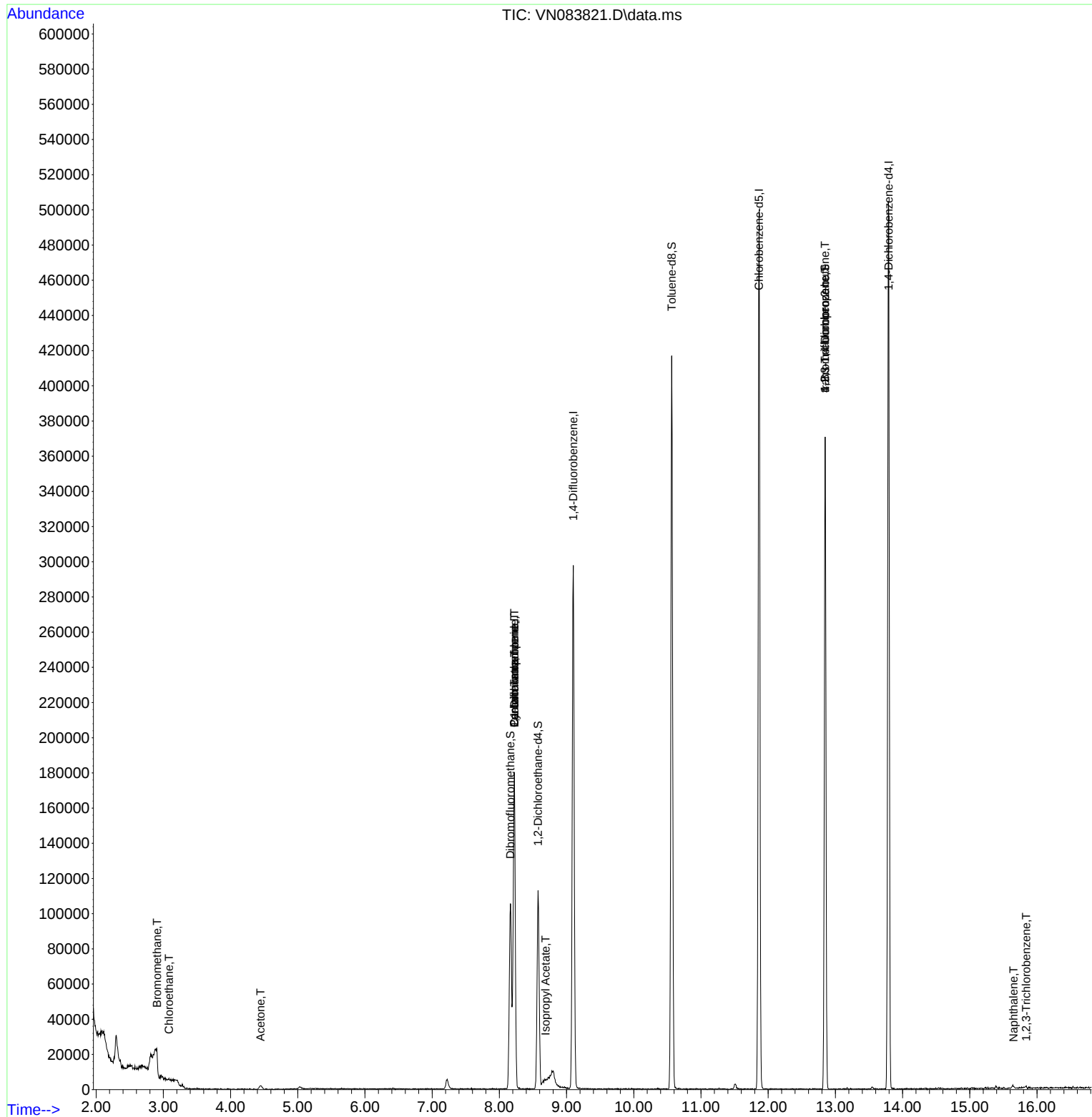
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 118608   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 244168   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 268453   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 129958   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 94437    | 52.804    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 105.600% |          |
| 35) Dibromofluoromethane      | 8.165  | 113   | 74478    | 47.647    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 95.300%  |          |
| 50) Toluene-d8                | 10.565 | 98    | 277270   | 51.310    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 102.620% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 127399   | 57.143    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | = 114.280% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.359  | 50    | 689      | Below Cal | #          | 41       |
| 5) Bromomethane               | 2.906  | 94    | 291      | 0.336     | ug/l #     | 51       |
| 6) Chloroethane               | 3.083  | 64    | 1259     | 1.189     | ug/l #     | 45       |
| 16) Acetone                   | 4.447  | 43    | 241      | 0.336     | ug/l #     | 45       |
| 18) Methyl Acetate            | 5.030  | 43    | 2416     | Below Cal | #          | 70       |
| 31) Cyclohexane               | 8.224  | 56    | 3191     | 1.235     | ug/l #     | 23       |
| 36) 1,1-Dichloropropene       | 8.224  | 75    | 10851    | 4.612     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 13762    | 5.156     | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 8.688  | 43    | 7208     | 1.863     | ug/l #     | 57       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 70862    | 27.023    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 70862    | 70.775    | ug/l #     | 9        |
| 95) Naphthalene               | 15.653 | 128   | 2112     | 0.293     | ug/l #     | 80       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 655      | 0.290     | ug/l #     | 82       |
| -----                         |        |       |          |           |            |          |

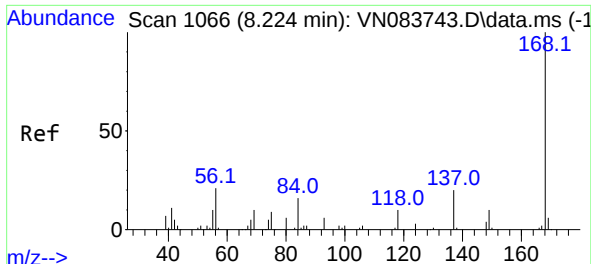
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091224\  
Data File : VN083821.D  
Acq On : 12 Sep 2024 09:44  
Operator : JC\MD  
Sample : VN0912WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

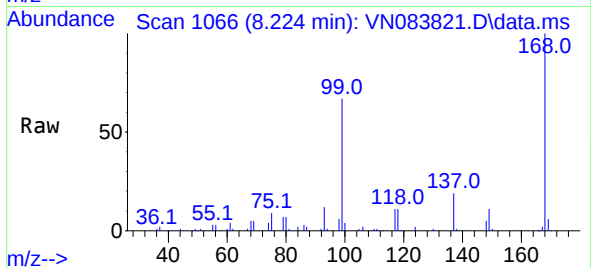
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 15:18:56 2024  
Response via : Initial Calibration



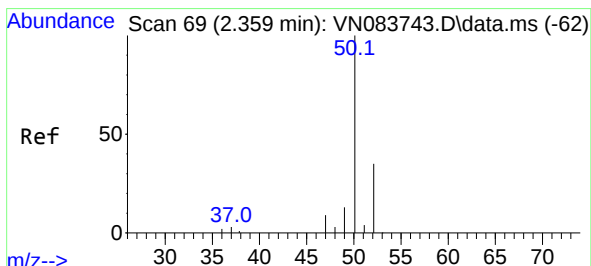
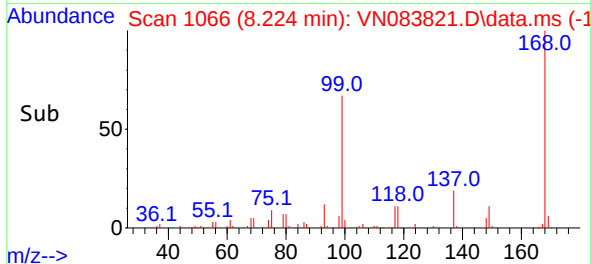
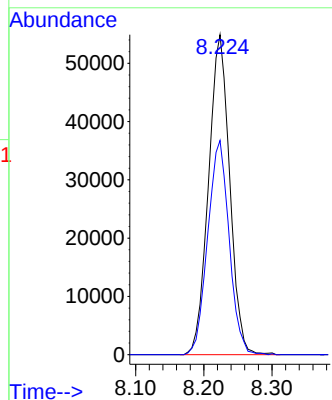


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

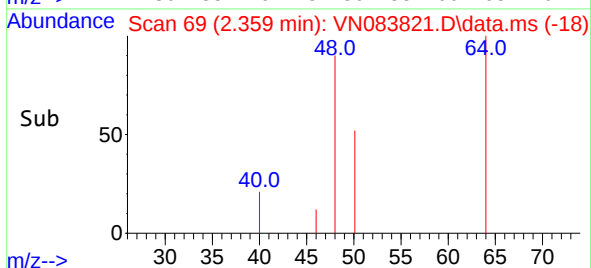
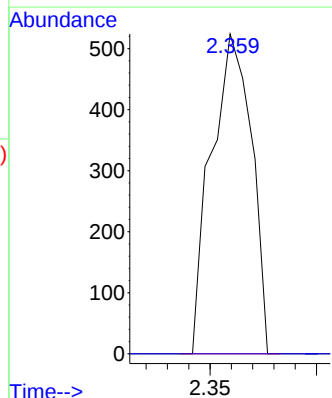
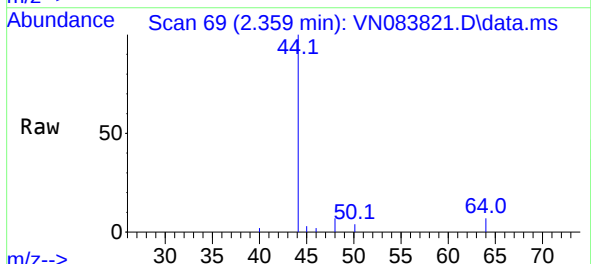


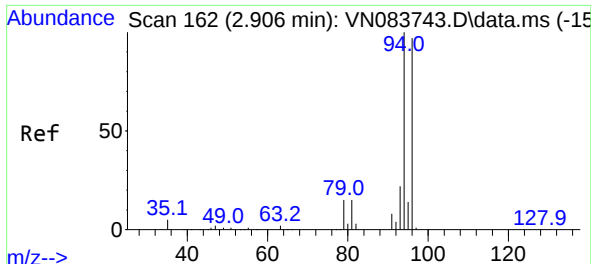
Tgt Ion:168 Resp: 118608  
Ion Ratio Lower Upper  
168 100  
99 66.9 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 50 Resp: 689  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

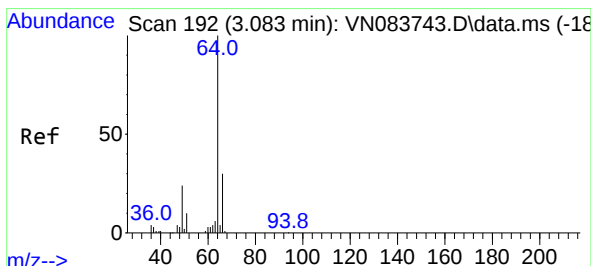
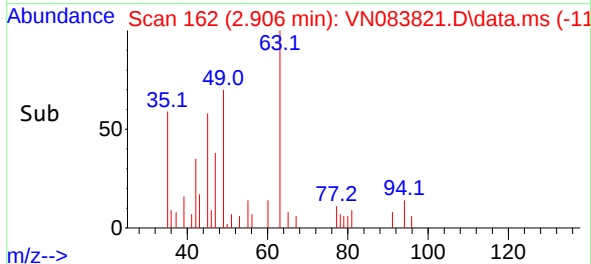
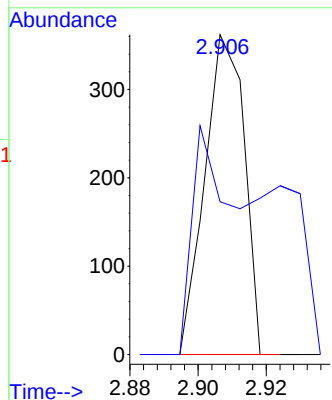
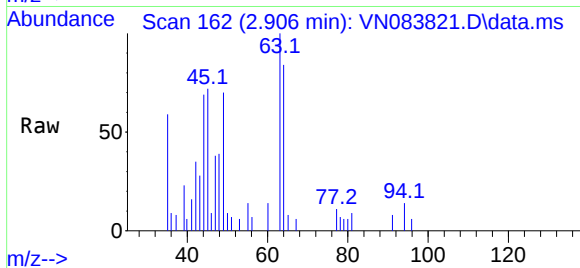




#5  
Bromomethane  
Concen: 0.336 ug/l  
RT: 2.906 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

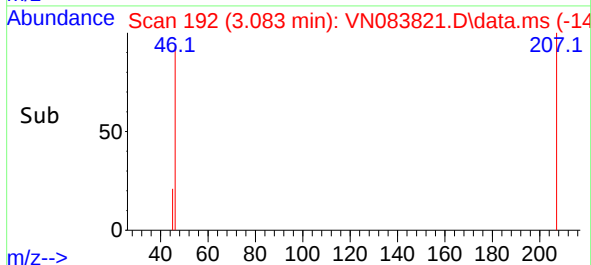
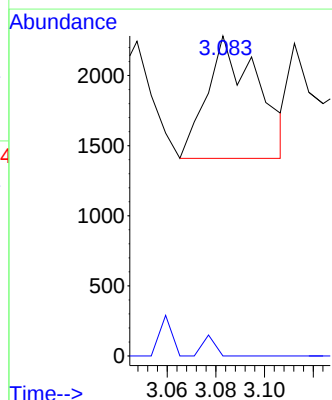
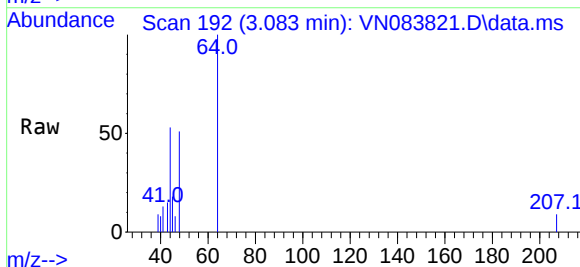
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

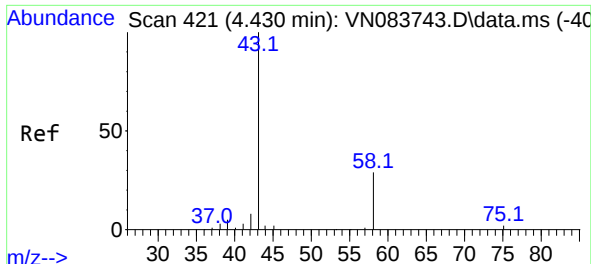
Tgt Ion: 94 Resp: 291  
Ion Ratio Lower Upper  
94 100  
96 47.8 76.0 114.0#



#6  
Chloroethane  
Concen: 1.189 ug/l  
RT: 3.083 min Scan# 192  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 64 Resp: 1259  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.9 35.9#

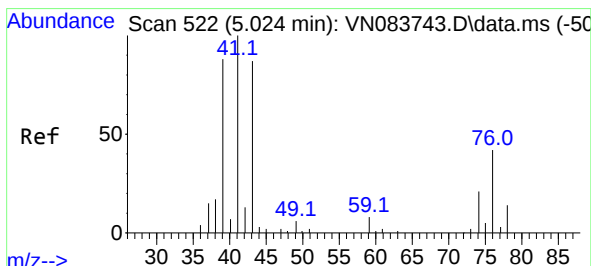
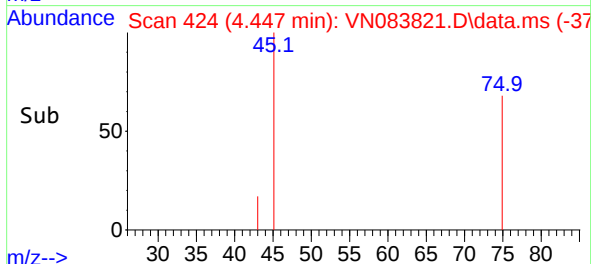
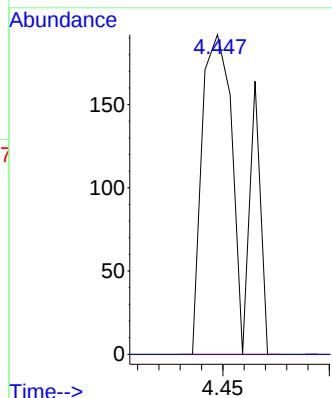
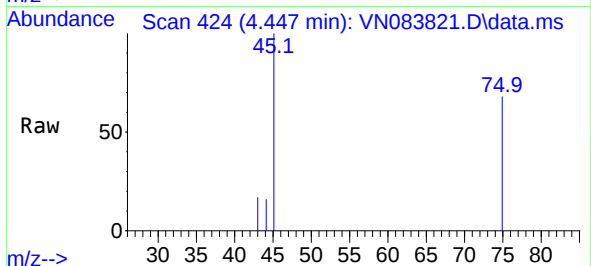




#16  
Acetone  
Concen: 0.336 ug/l  
RT: 4.447 min Scan# 431  
Delta R.T. 0.018 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

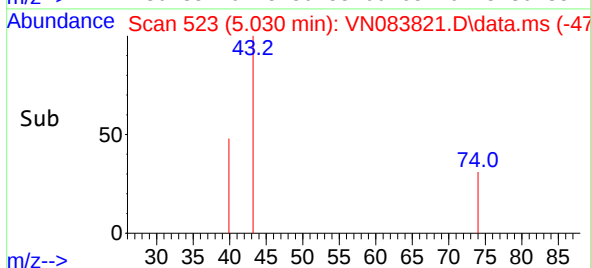
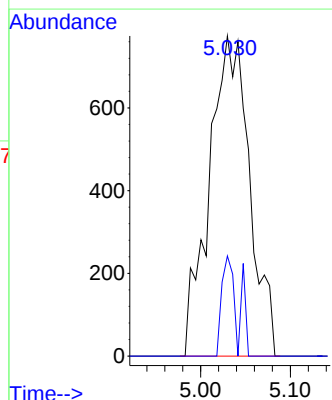
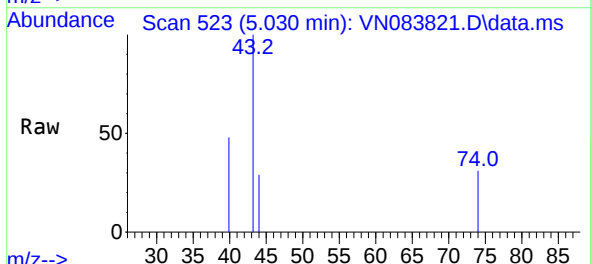
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

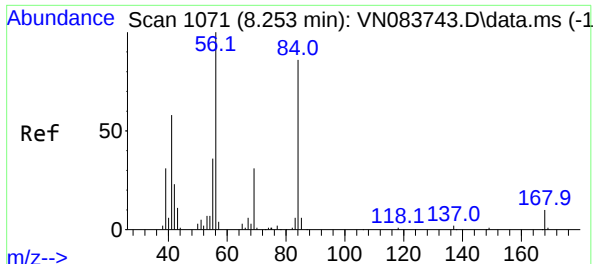
Tgt Ion: 43 Resp: 241  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.7 35.5#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

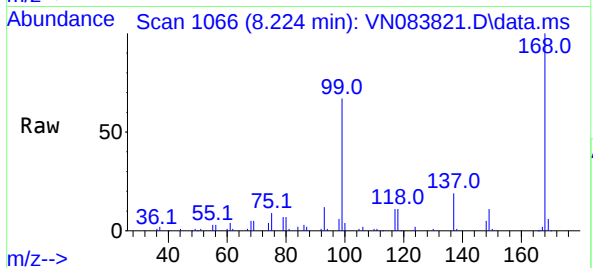
Tgt Ion: 43 Resp: 2416  
Ion Ratio Lower Upper  
43 100  
74 9.1 19.0 28.4#



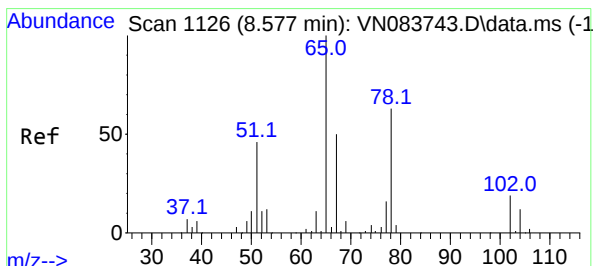
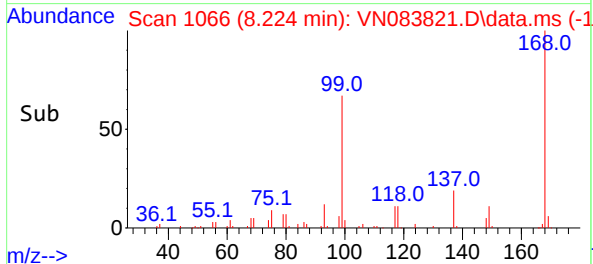
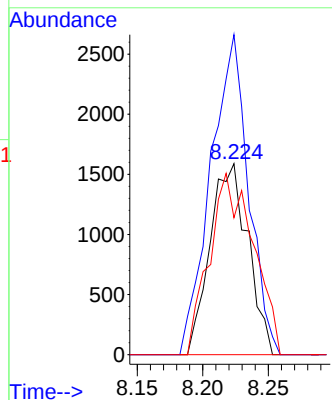


#31  
Cyclohexane  
Concen: 1.235 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

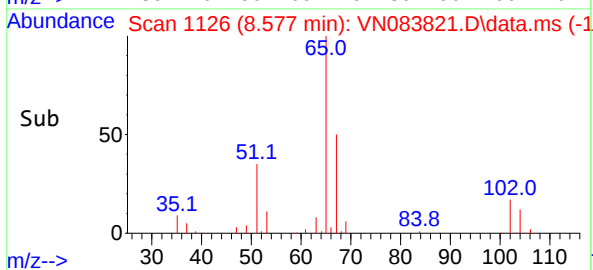
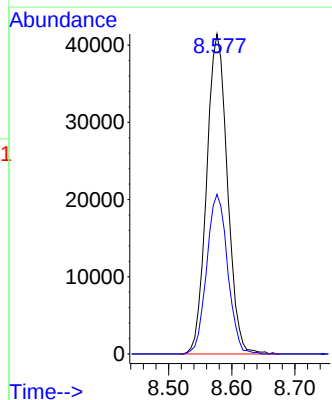
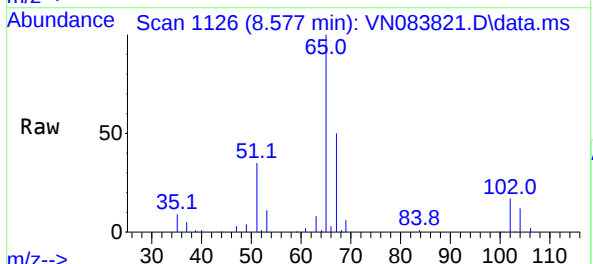


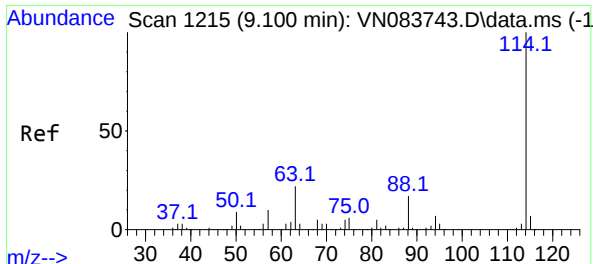
Tgt Ion: 56 Resp: 3191  
Ion Ratio Lower Upper  
56 100  
69 167.5 26.9 40.3#  
84 71.7 69.2 103.8



#33  
1,2-Dichloroethane-d4  
Concen: 52.804 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 65 Resp: 94437  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 100.8

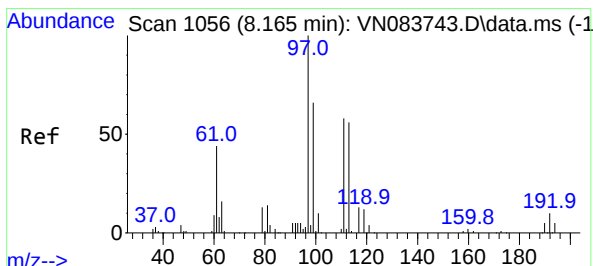
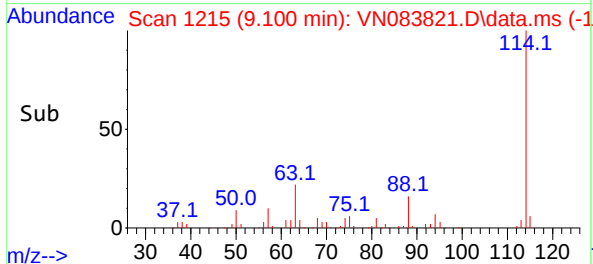
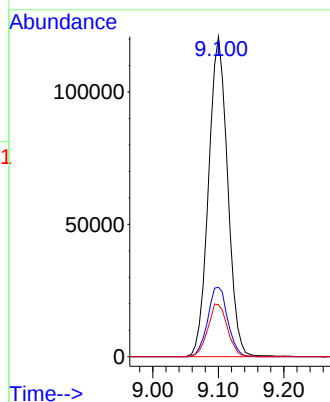
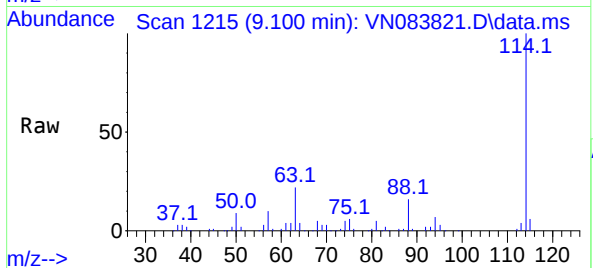




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

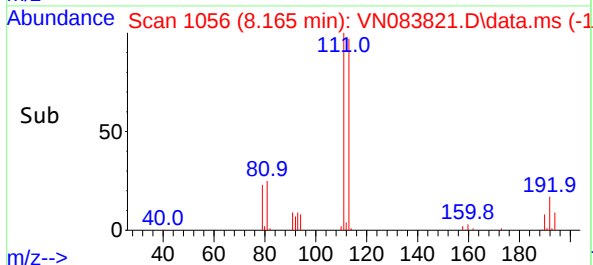
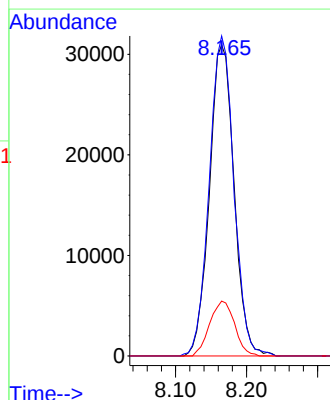
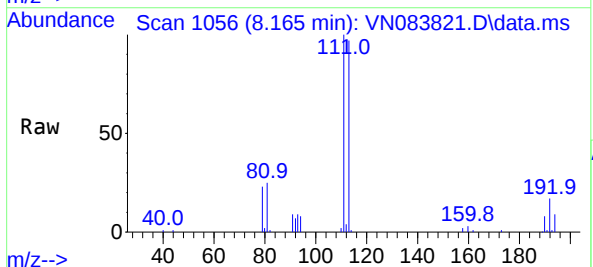
Instrument :  
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ClientSampleId :  
VN0912WBL01

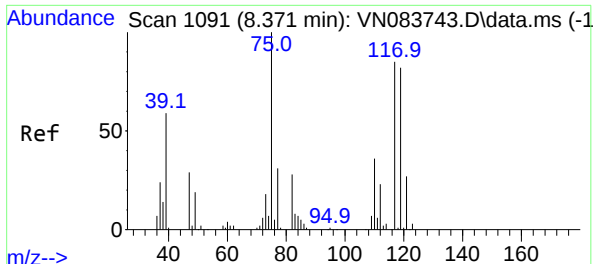
Tgt Ion:114 Resp: 244168  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 43.4  
88 16.2 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 47.647 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion:113 Resp: 74478  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 17.9 14.3 21.5

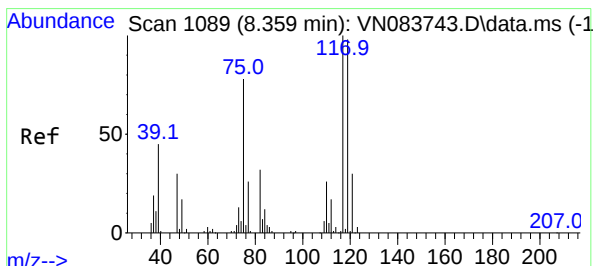
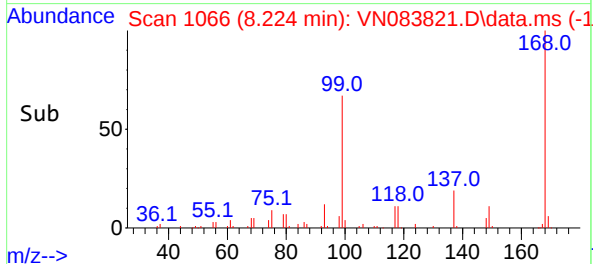
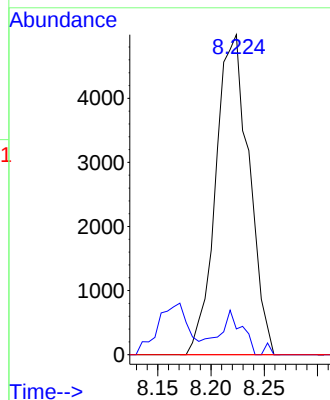
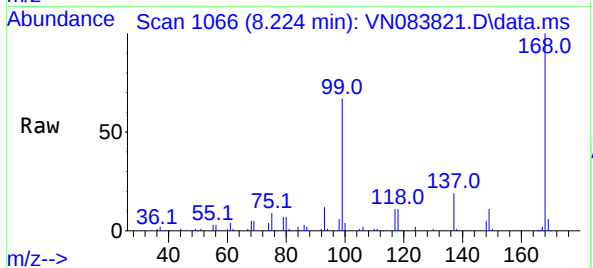




#36  
1,1-Dichloropropene  
Concen: 4.612 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

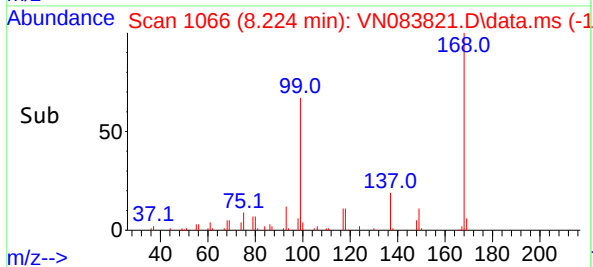
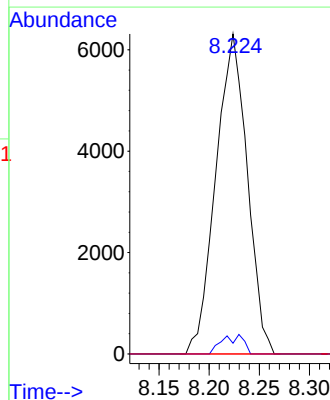
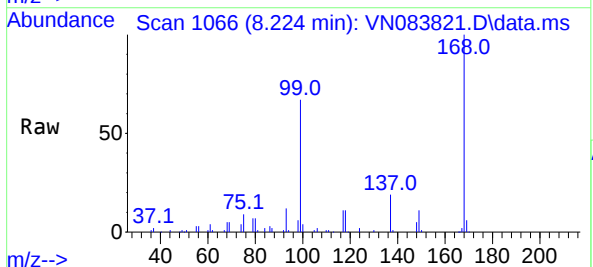
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

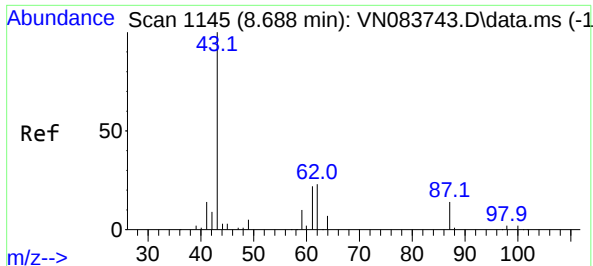
Tgt Ion: 75 Resp: 10851  
Ion Ratio Lower Upper  
75 100  
110 9.0 16.7 50.1#  
77 0.0 25.2 37.8#



#38  
Carbon Tetrachloride  
Concen: 5.156 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.135 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 117 Resp: 13762  
Ion Ratio Lower Upper  
117 100  
119 3.3 76.1 114.1#  
121 0.0 24.1 36.1#

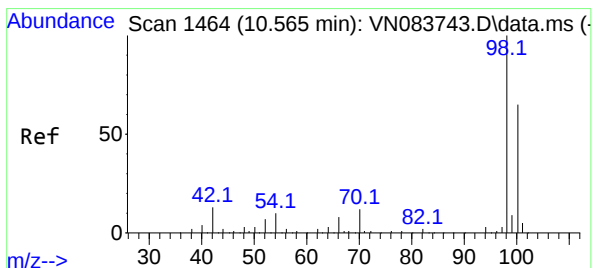
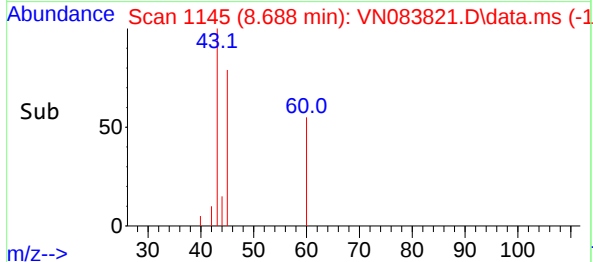
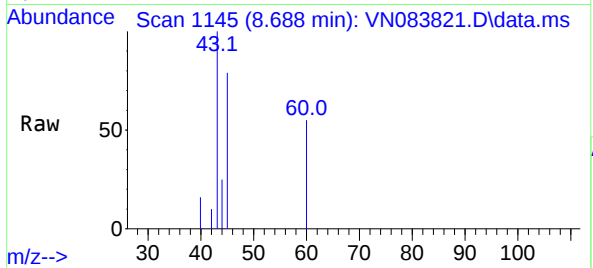




#43  
Isopropyl Acetate  
Concen: 1.863 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

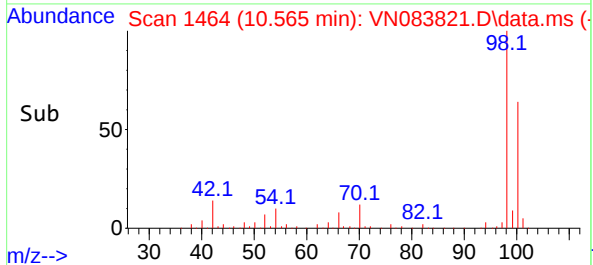
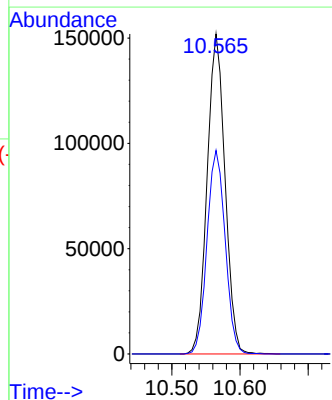
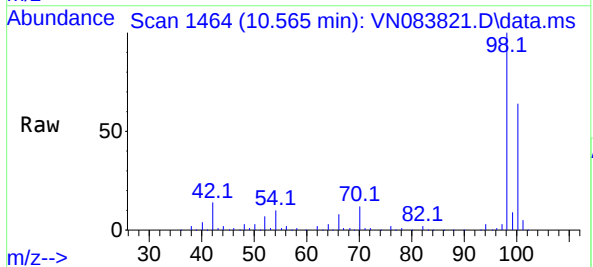
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

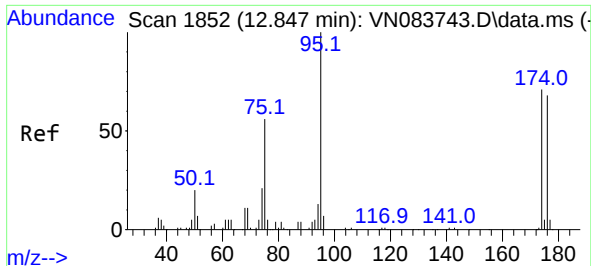
Tgt Ion: 43 Resp: 7208  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#



#50  
Toluene-d8  
Concen: 51.310 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 98 Resp: 277270  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0

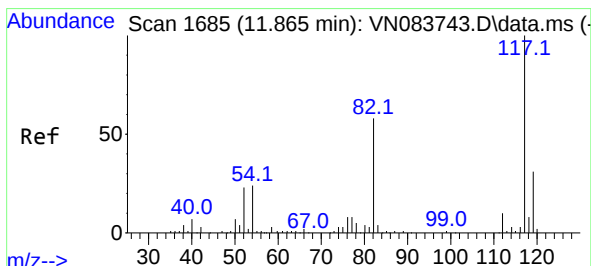
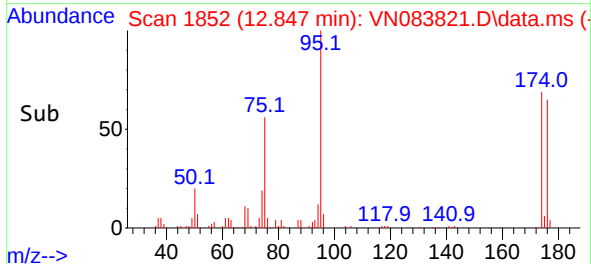
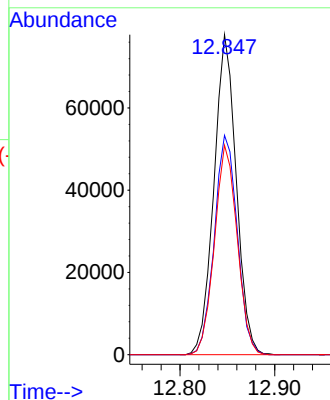
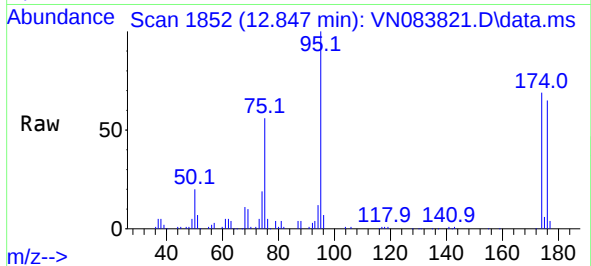




#62  
4-Bromofluorobenzene  
Concen: 57.143 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

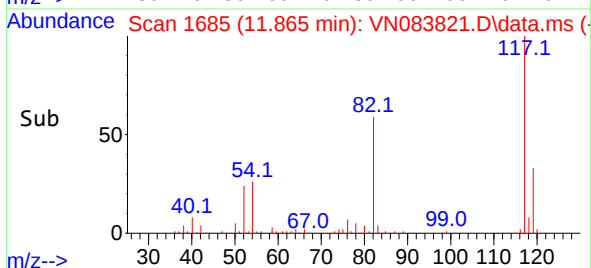
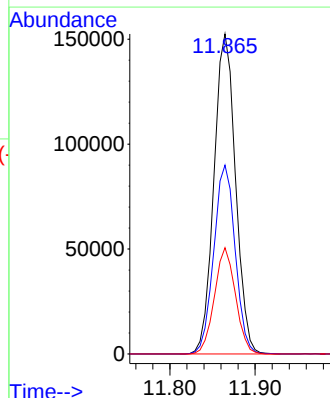
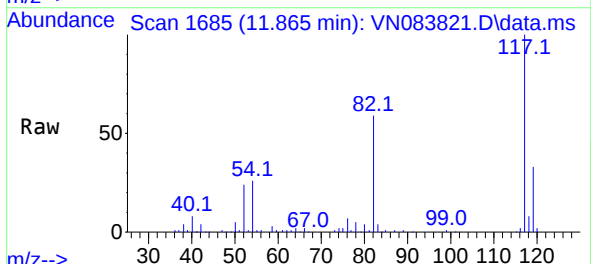
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

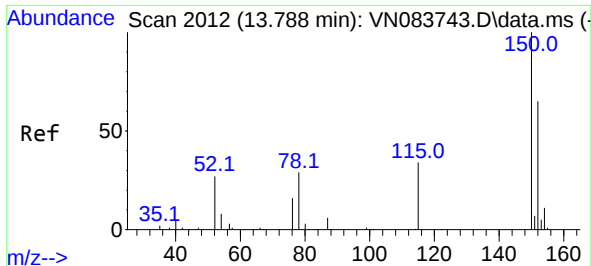
Tgt Ion: 95 Resp: 127399  
Ion Ratio Lower Upper  
95 100  
174 70.5 0.0 139.8  
176 66.6 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

Tgt Ion: 117 Resp: 268453  
Ion Ratio Lower Upper  
117 100  
82 59.0 47.4 71.0  
119 33.2 26.3 39.5

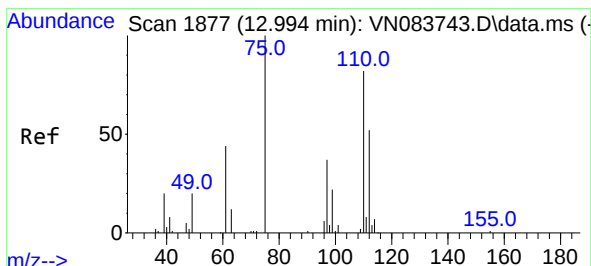
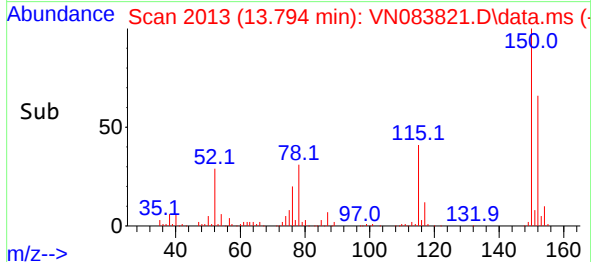
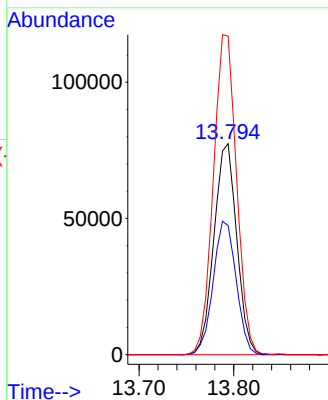
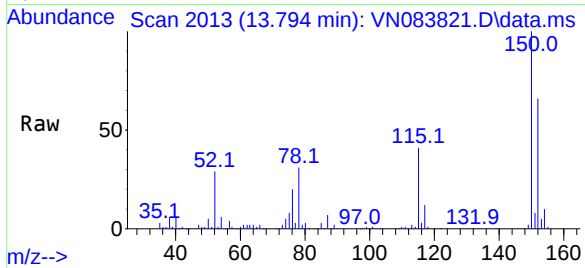




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN083821.D  
 Acq: 12 Sep 2024 09:44

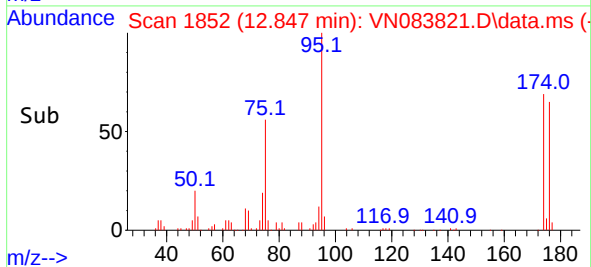
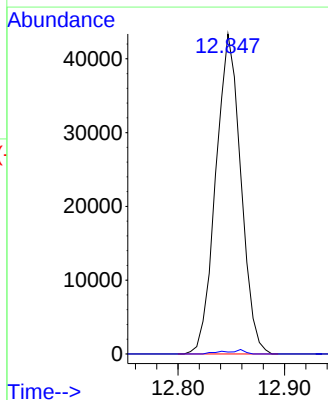
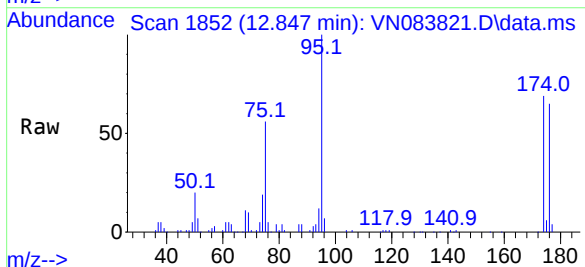
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0912WBL01

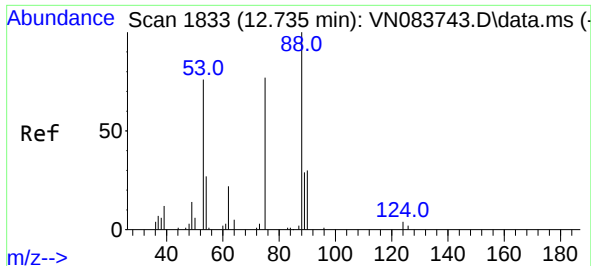
Tgt Ion:152 Resp: 129958  
 Ion Ratio Lower Upper  
 152 100  
 115 63.8 32.2 96.6  
 150 154.0 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 27.023 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.147 min  
 Lab File: VN083821.D  
 Acq: 12 Sep 2024 09:44

Tgt Ion: 75 Resp: 70862  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 95.2 285.6#

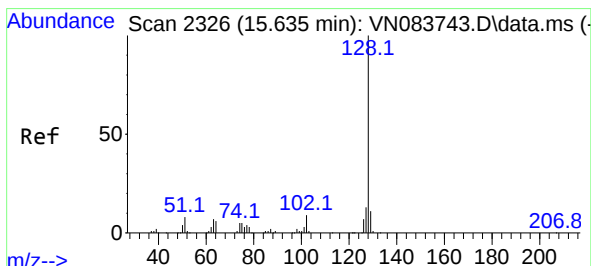
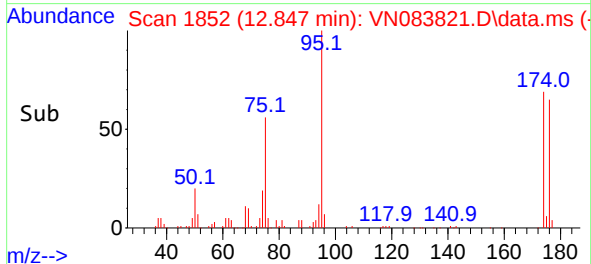
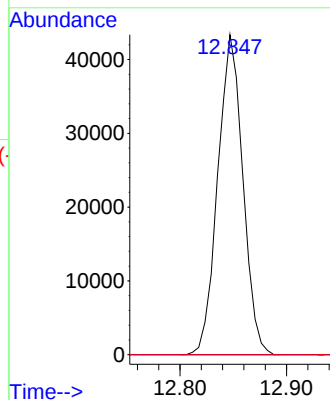
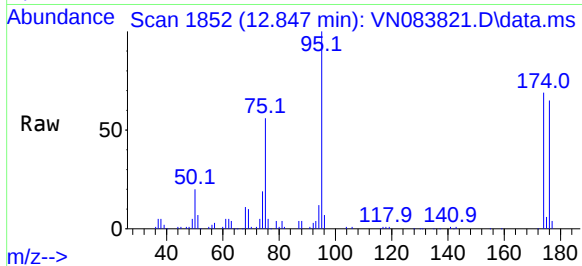




#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.775 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

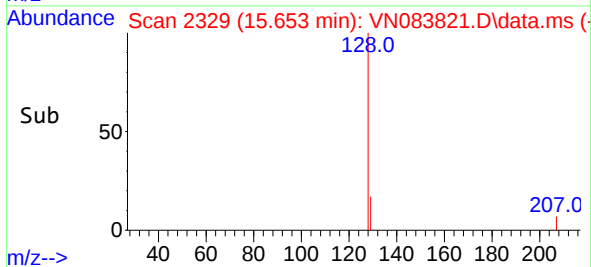
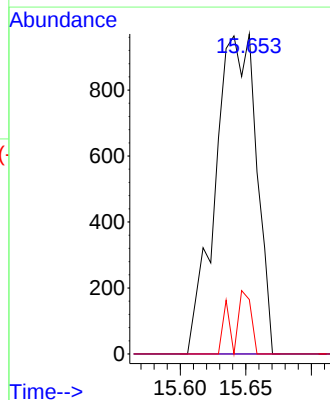
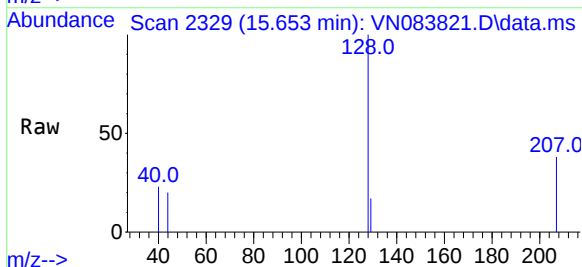
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

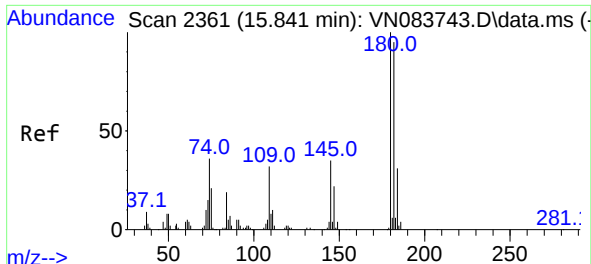
Tgt Ion: 75 Resp: 70862  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.2 121.8#  
89 0.0 35.7 53.5#



#95  
Naphthalene  
Concen: 0.293 ug/l  
RT: 15.653 min Scan# 2329  
Delta R.T. 0.018 min  
Lab File: VN083821.D  
Acq: 12 Sep 2024 09:44

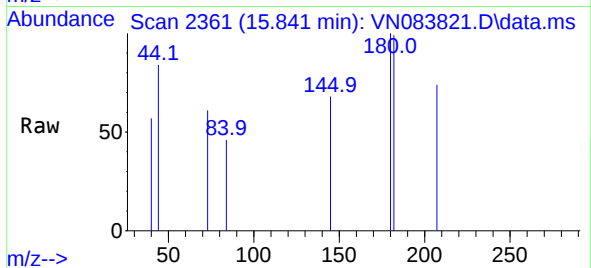
Tgt Ion:128 Resp: 2112  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 8.7 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.290 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN083821.D  
 Acq: 12 Sep 2024 09:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0912WBL01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 655   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 84.4  | 47.1  | 141.4 |
| 145      | 13.6  | 17.8  | 53.5# |

