

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
 Data File : VN083767.D  
 Acq On : 11 Sep 2024 03:15  
 Operator : JC\MD  
 Sample : VN0910WBL02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL04

Quant Time: Sep 11 05:16:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 11 03:05:46 2024  
 Response via : Initial Calibration

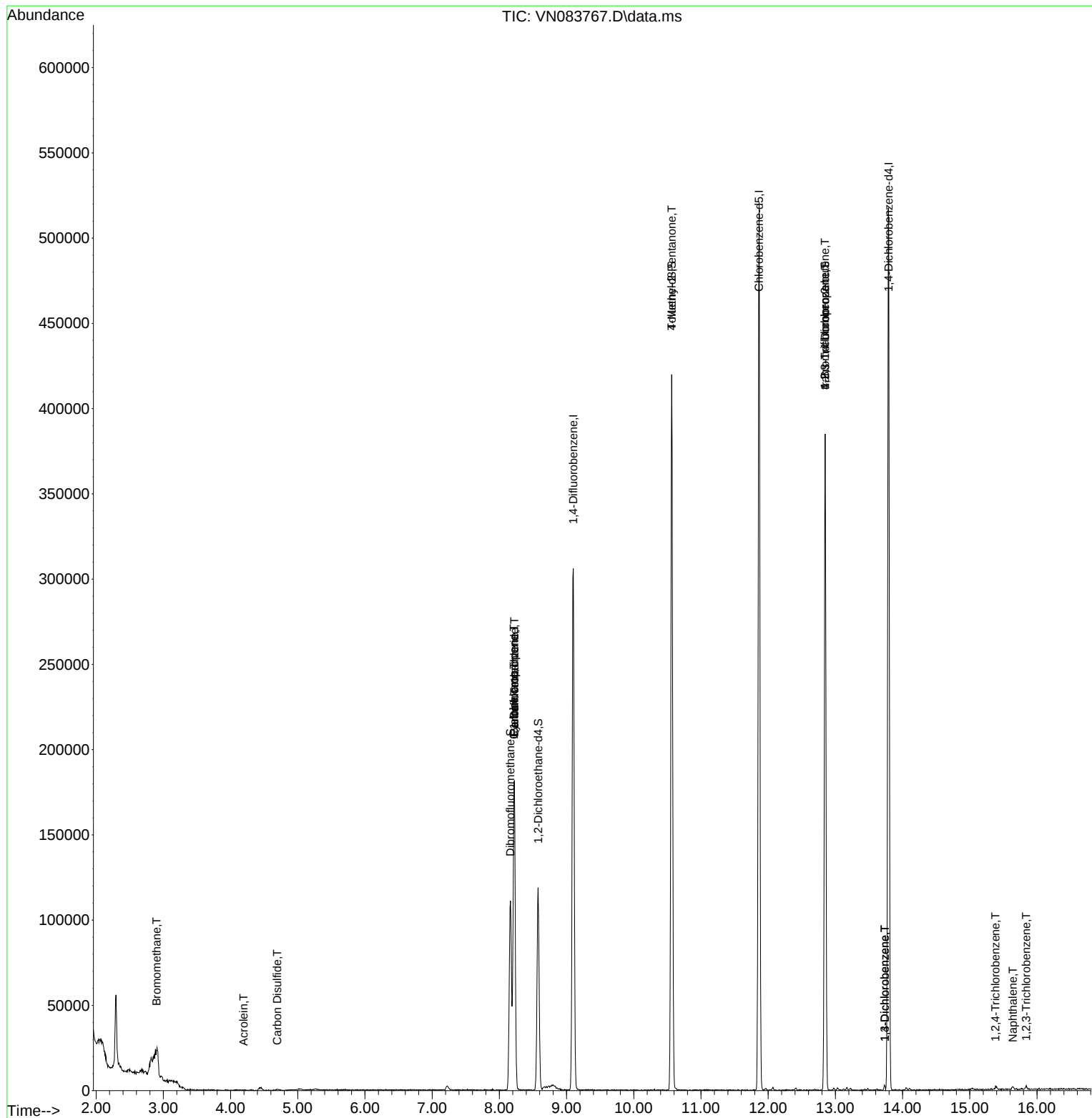
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 123972              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 258117              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 277034              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 132094              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.576          | 65   | 98823               | 52.866    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 105.740% |           |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 80014               | 48.422    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 96.840%  |           |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 277340              | 48.549    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 97.100%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 129036              | 54.749    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 109.500% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 2.365          | 50   | 676                 | Below Cal | #      | 53       |
| 5) Bromomethane               | 2.900          | 94   | 233                 | 0.257     | ug/l # | 62       |
| 13) Acrolein                  | 4.194          | 56   | 62                  | 0.251     | ug/l # | 13       |
| 17) Carbon Disulfide          | 4.694          | 76   | 1013                | 0.270     | ug/l # | 75       |
| 18) Methyl Acetate            | 5.036          | 43   | 1752                | Below Cal | #      | 59       |
| 31) Cyclohexane               | 8.218          | 56   | 3521                | 1.303     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.218          | 75   | 11421               | 4.592     | ug/l # | 53       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 14310               | 5.071     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 1317                | 0.591     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 74950               | 28.120    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 74950               | 73.647    | ug/l # | 9        |
| 87) 1,3-Dichlorobenzene       | 13.735         | 146  | 1070                | 0.230     | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.735         | 146  | 1070                | 0.228     | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.382         | 180  | 1026                | 0.427     | ug/l   | 87       |
| 95) Naphthalene               | 15.641         | 128  | 2204                | 0.301     | ug/l # | 73       |
| 96) 1,2,3-Trichlorobenzene    | 15.841         | 180  | 832                 | 0.362     | ug/l   | 87       |
| -----                         |                |      |                     |           |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091024\  
Data File : VN083767.D  
Acq On : 11 Sep 2024 03:15  
Operator : JC\MD  
Sample : VN0910WBL02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

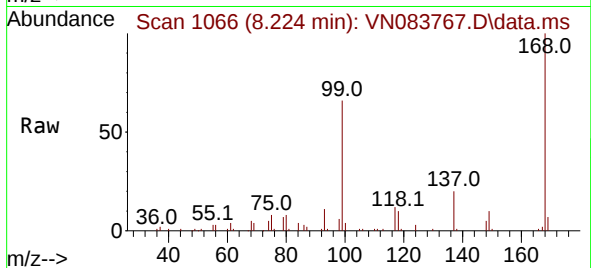
Quant Time: Sep 11 05:16:48 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 11 03:05:46 2024  
Response via : Initial Calibration



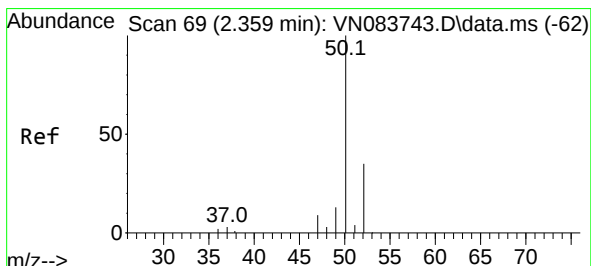
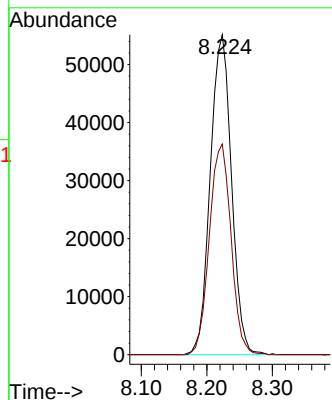
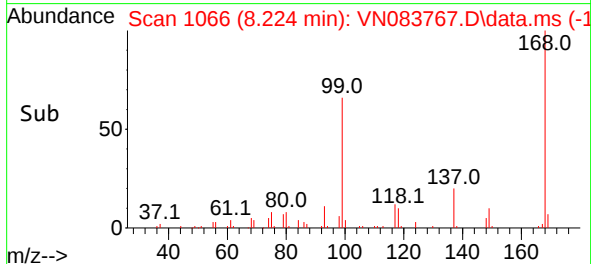


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

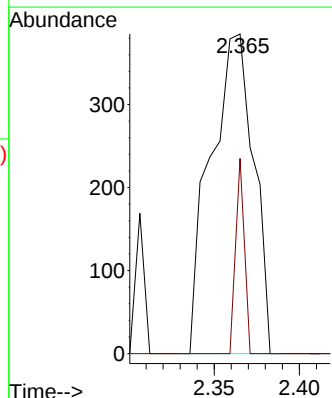
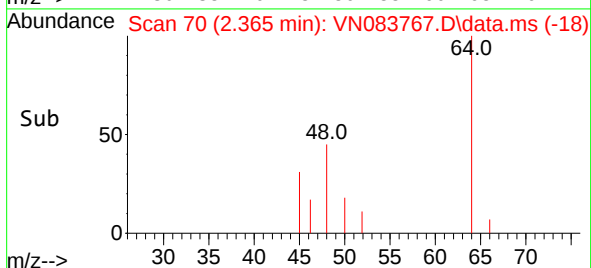
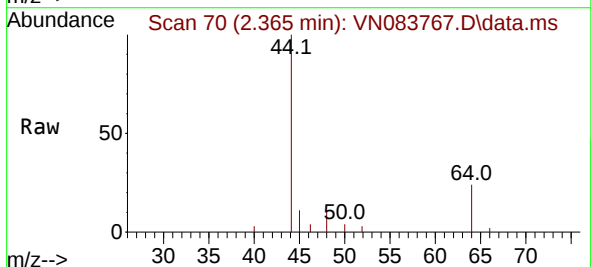


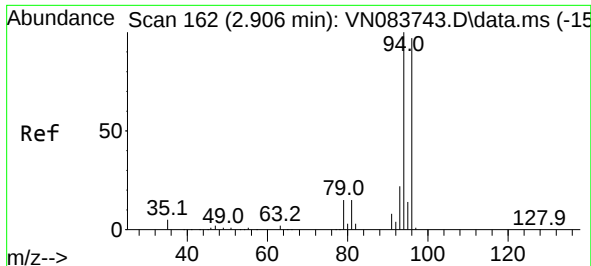
Tgt Ion:168 Resp: 123972  
Ion Ratio Lower Upper  
168 100  
99 65.8 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 50 Resp: 676  
Ion Ratio Lower Upper  
50 100  
52 61.0 27.2 40.8#

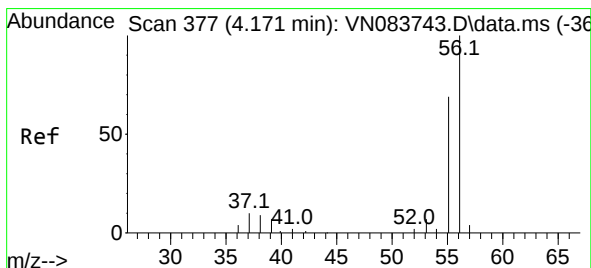
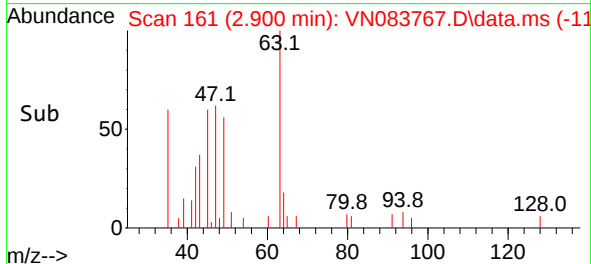
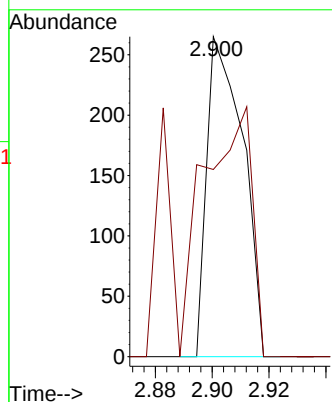
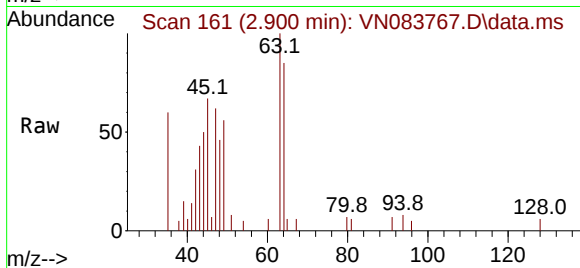




#5  
Bromomethane  
Concen: 0.257 ug/l  
RT: 2.900 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

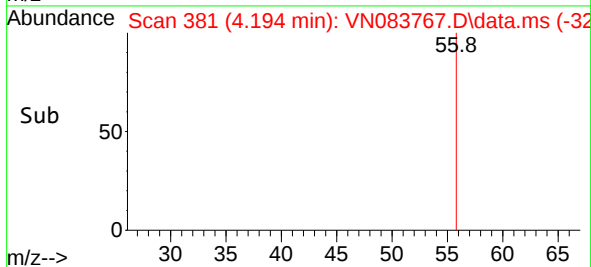
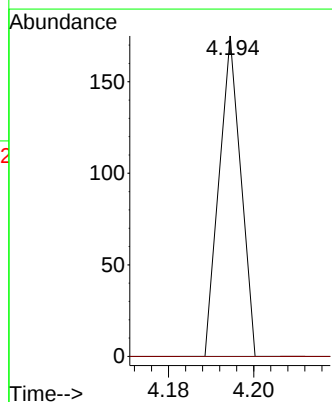
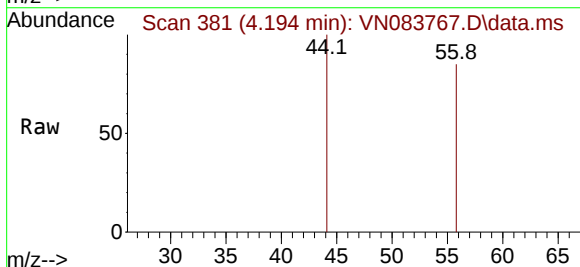
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

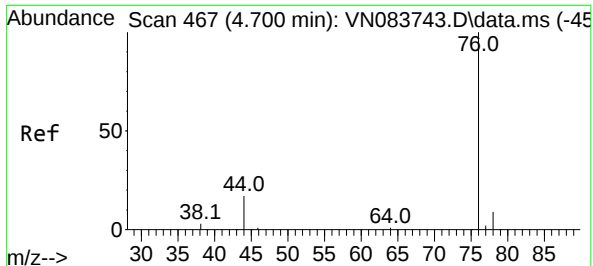
Tgt Ion: 94 Resp: 233  
Ion Ratio Lower Upper  
94 100  
96 58.5 76.0 114.0#



#13  
Acrolein  
Concen: 0.251 ug/l  
RT: 4.194 min Scan# 381  
Delta R.T. 0.023 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 56 Resp: 62  
Ion Ratio Lower Upper  
56 100  
55 0.0 58.2 87.2#

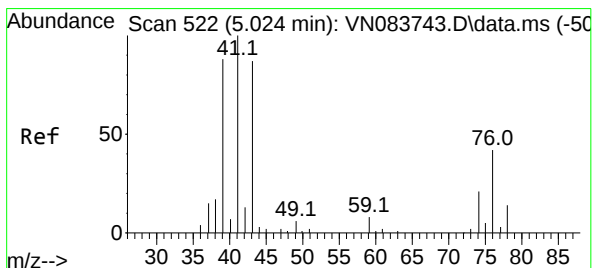
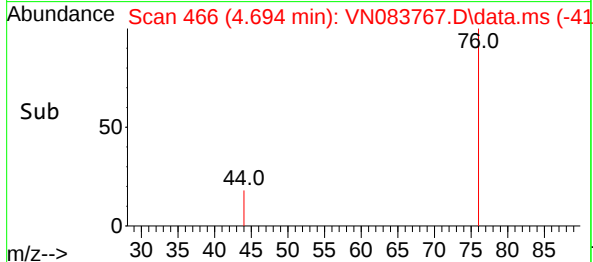
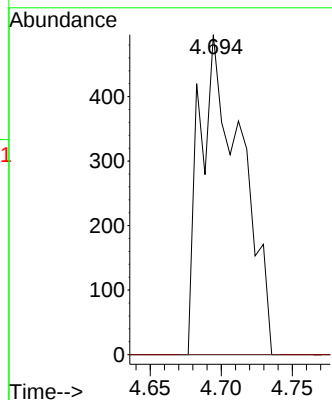
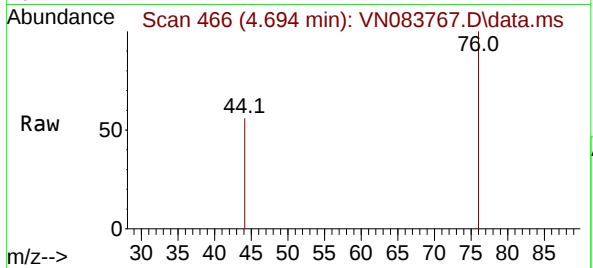




#17  
Carbon Disulfide  
Concen: 0.270 ug/l  
RT: 4.694 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

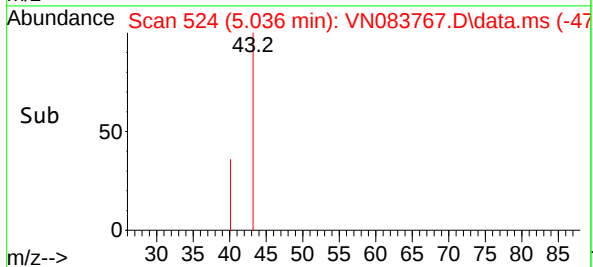
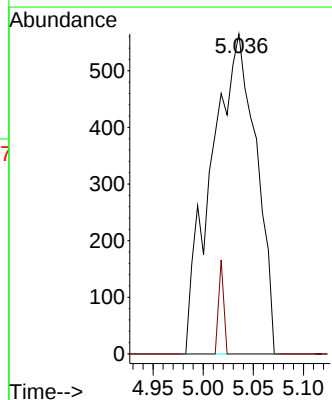
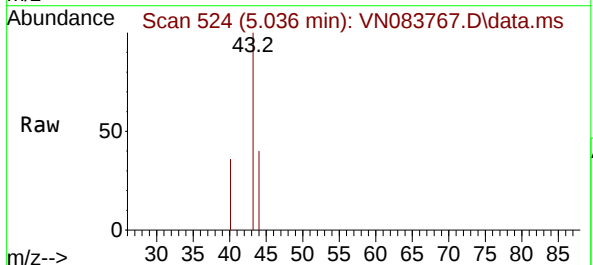
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

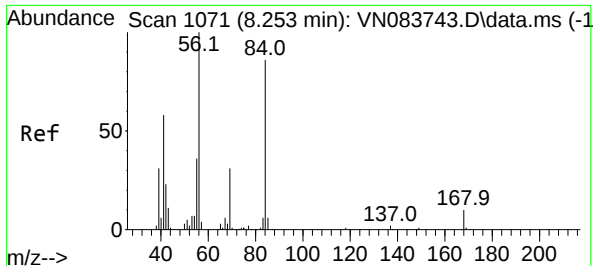
Tgt Ion: 76 Resp: 1013  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.036 min Scan# 524  
Delta R.T. 0.012 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 43 Resp: 1752  
Ion Ratio Lower Upper  
43 100  
74 3.4 19.0 28.4#





#31

Cyclohexane

Concen: 1.303 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083767.D

Acq: 11 Sep 2024 03:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBL04

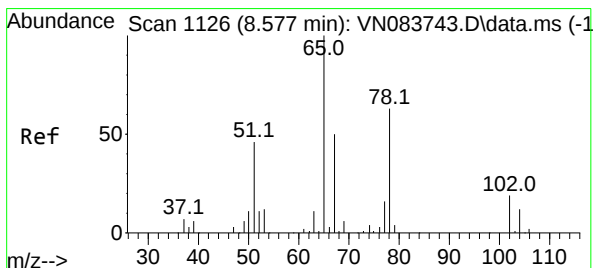
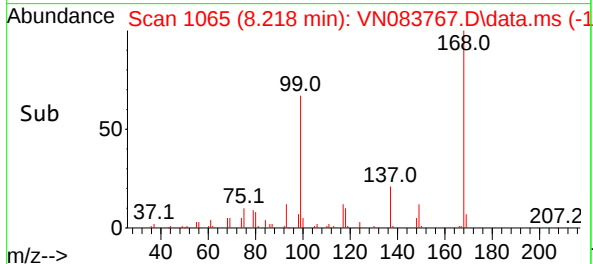
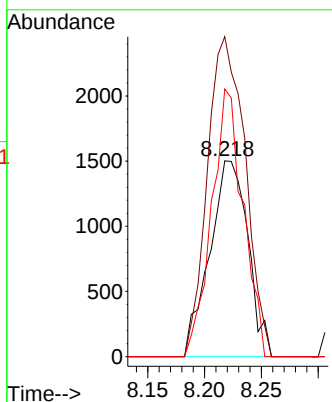
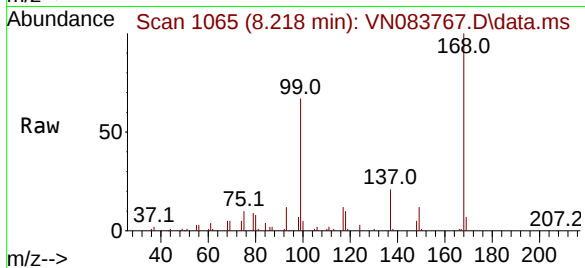
Tgt Ion: 56 Resp: 3521

Ion Ratio Lower Upper

56 100

69 163.4 26.9 40.3#

84 136.7 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 52.866 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083767.D

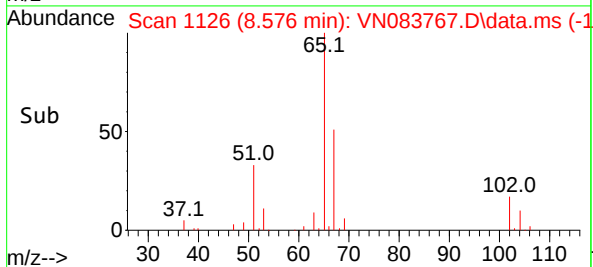
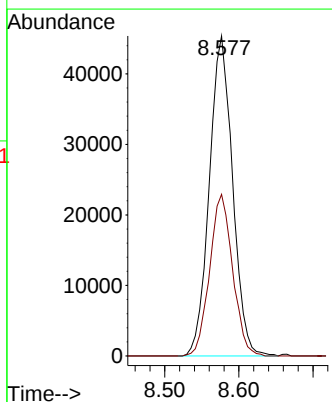
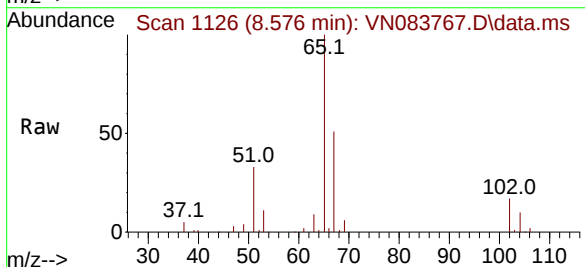
Acq: 11 Sep 2024 03:15

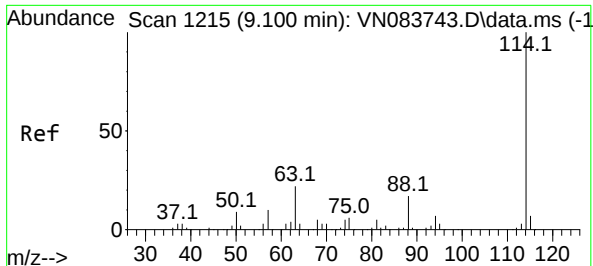
Tgt Ion: 65 Resp: 98823

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8

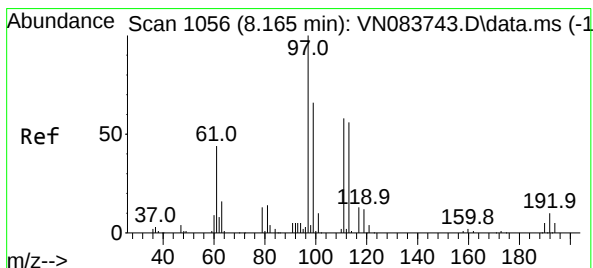
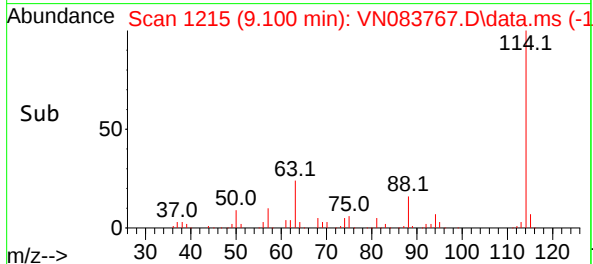
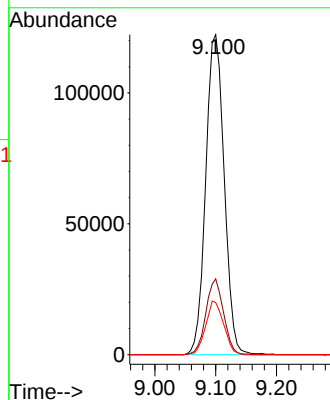
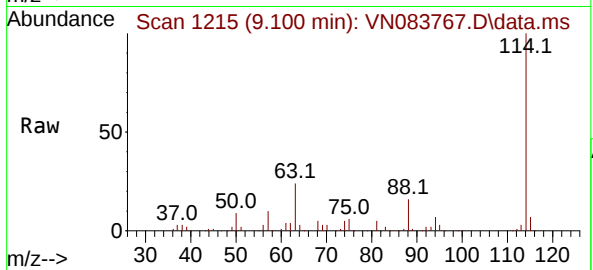




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

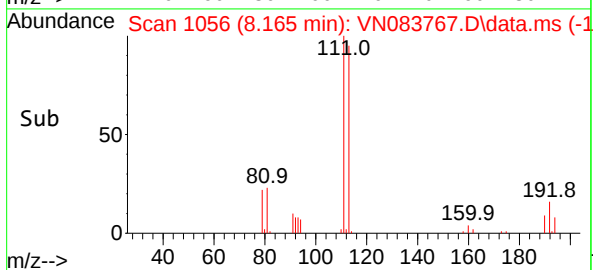
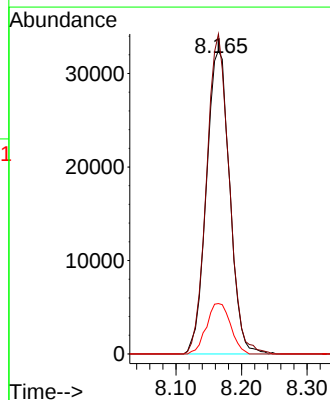
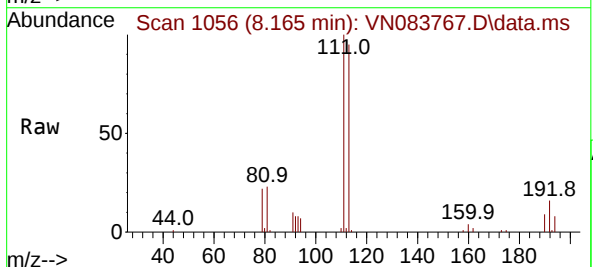
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

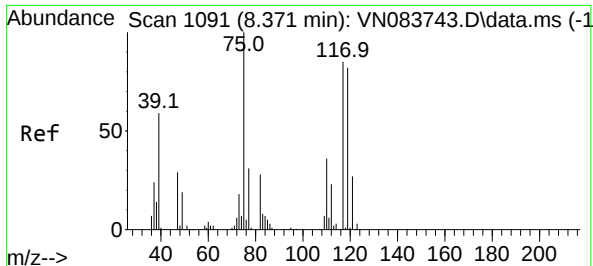
Tgt Ion:114 Resp: 258117  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 43.4  
88 16.3 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 48.422 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion:113 Resp: 80014  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083767.D

Acq: 11 Sep 2024 03:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBL04

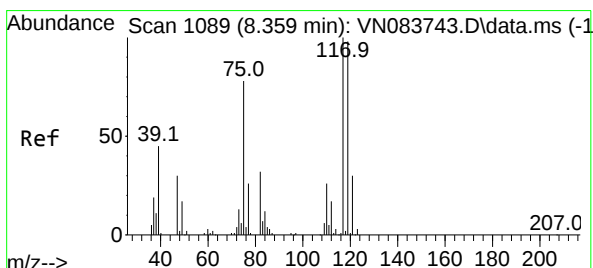
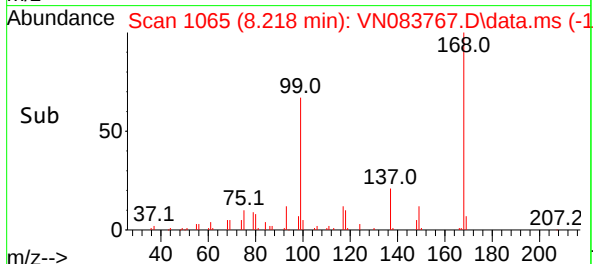
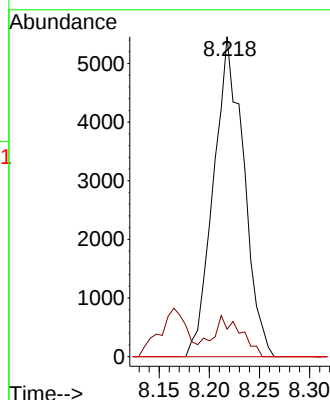
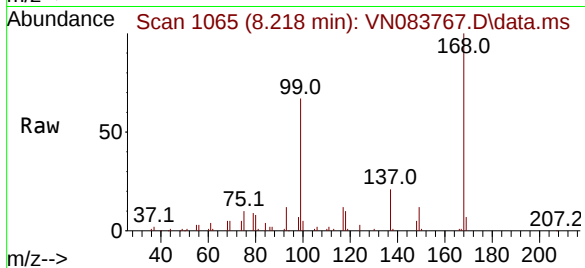
Tgt Ion: 75 Resp: 11421

Ion Ratio Lower Upper

75 100

110 12.0 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083767.D

Acq: 11 Sep 2024 03:15

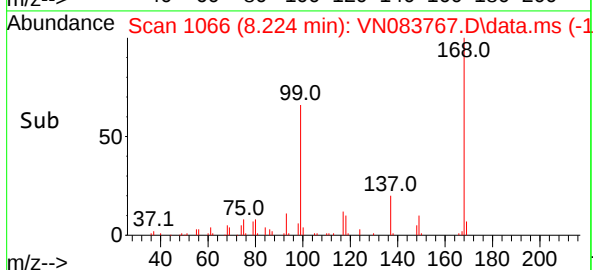
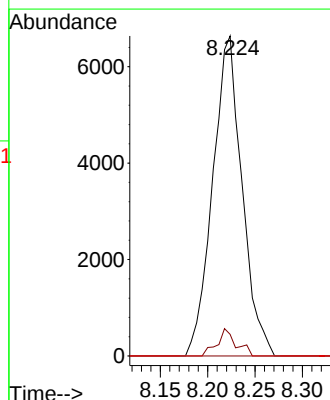
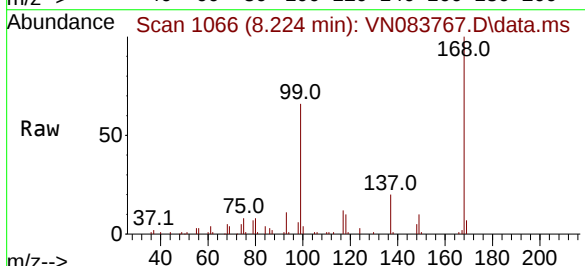
Tgt Ion: 117 Resp: 14310

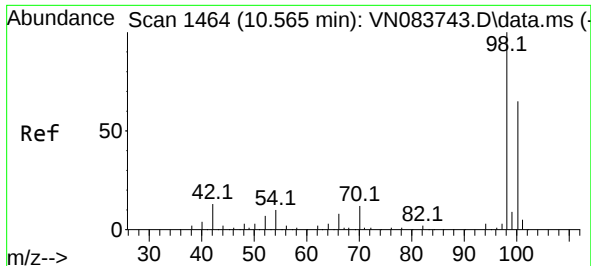
Ion Ratio Lower Upper

117 100

119 6.7 76.1 114.1#

121 0.0 24.1 36.1#

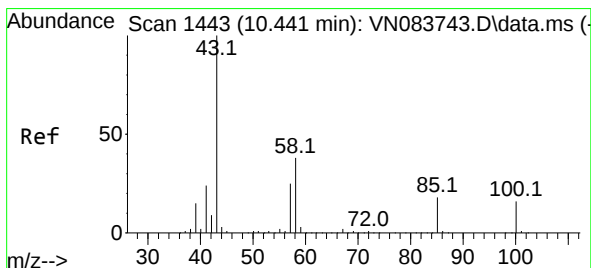
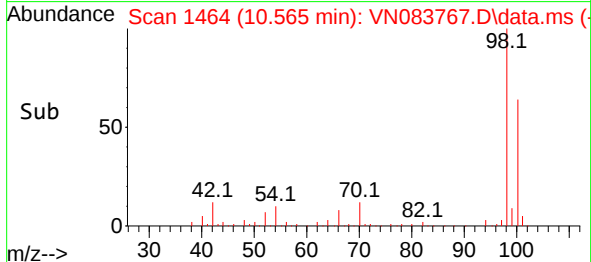
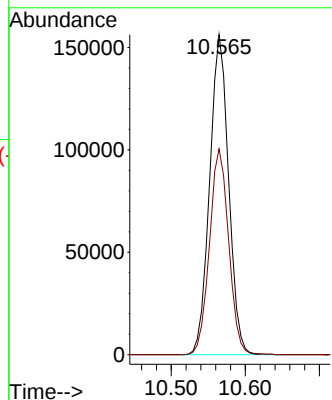
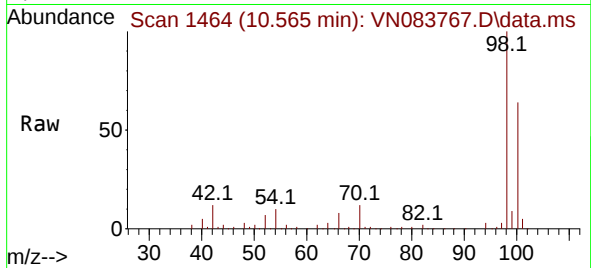




#50  
Toluene-d8  
Concen: 48.549 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

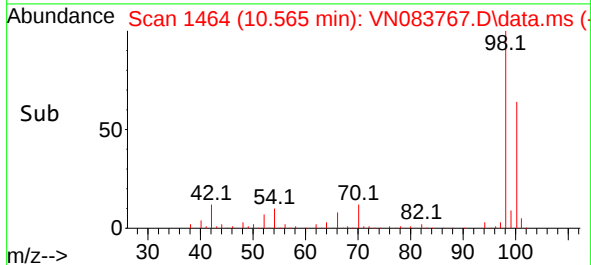
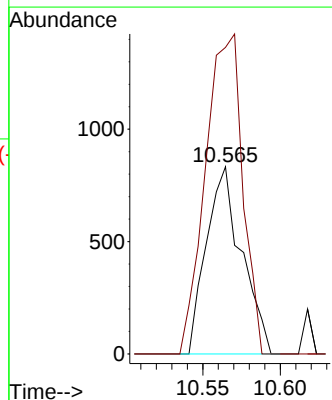
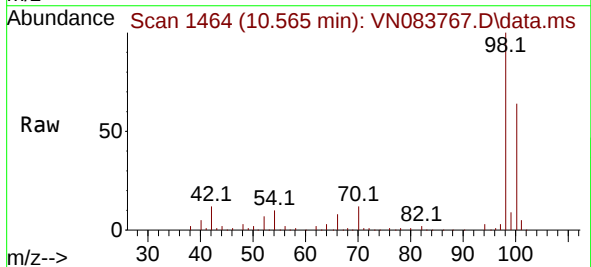
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

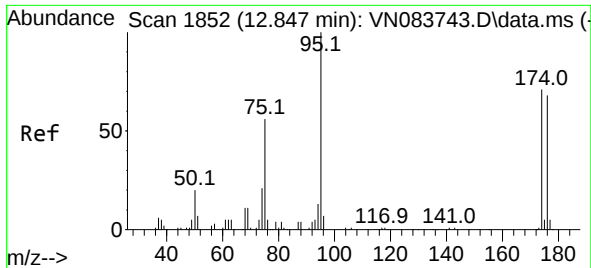
Tgt Ion: 98 Resp: 277340  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.591 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.123 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 43 Resp: 1317  
Ion Ratio Lower Upper  
43 100  
58 180.5 31.6 47.4#

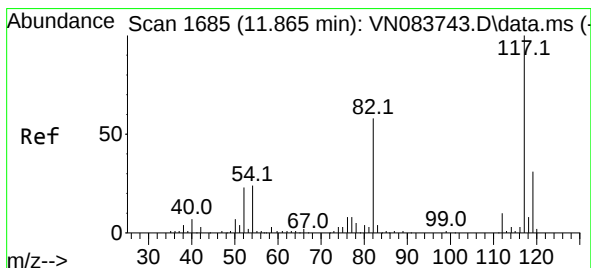
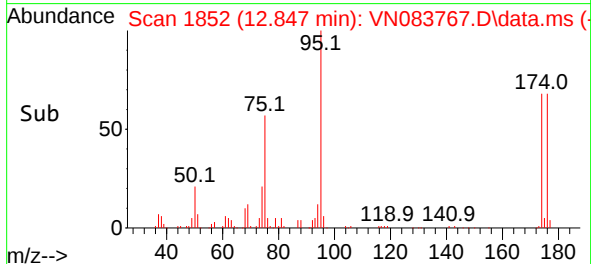
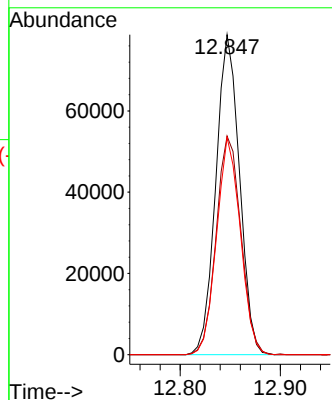
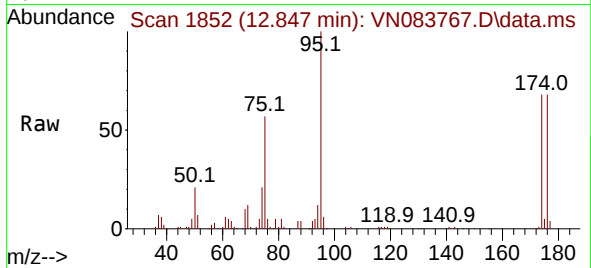




#62  
4-Bromofluorobenzene  
Concen: 54.749 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

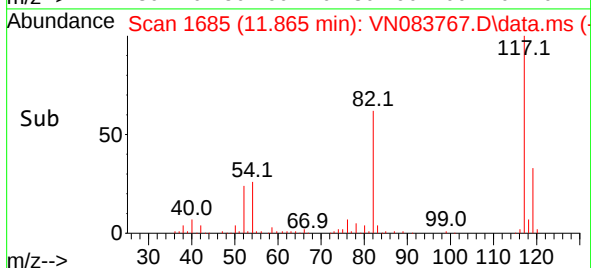
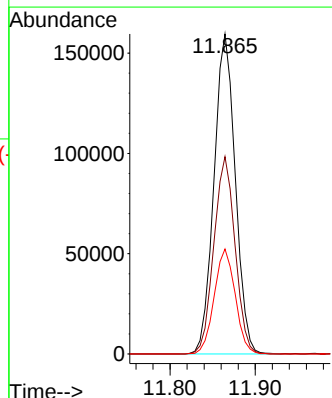
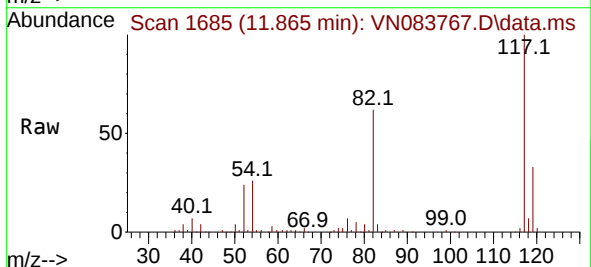
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

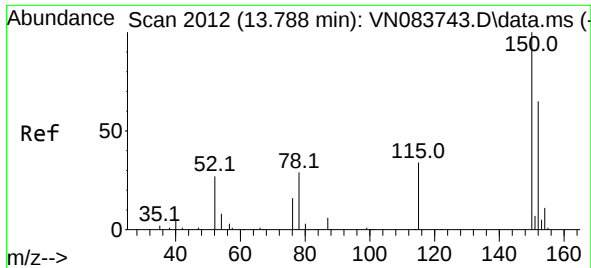
Tgt Ion: 95 Resp: 129036  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 139.8  
176 68.3 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 117 Resp: 277034  
Ion Ratio Lower Upper  
117 100  
82 61.7 47.4 71.0  
119 32.8 26.3 39.5

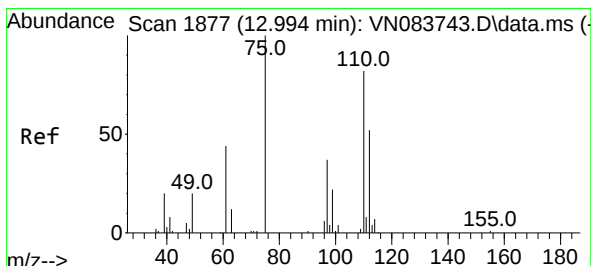
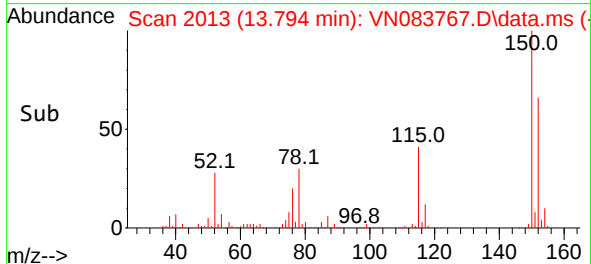
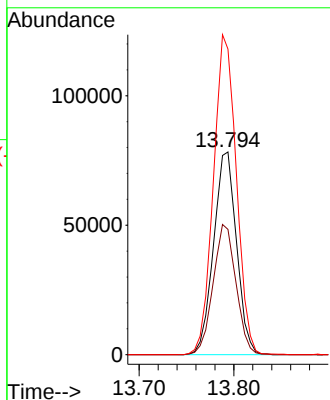
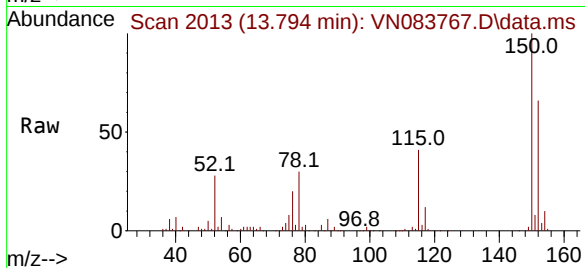




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2012  
Delta R.T. 0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

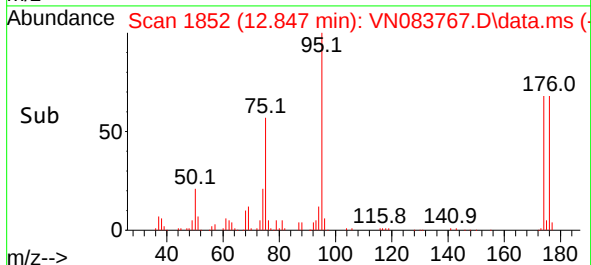
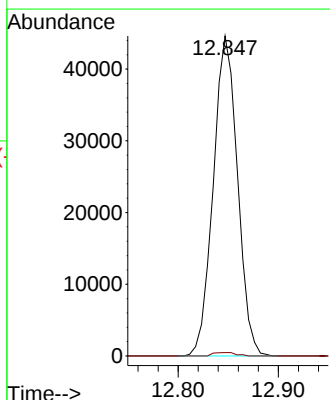
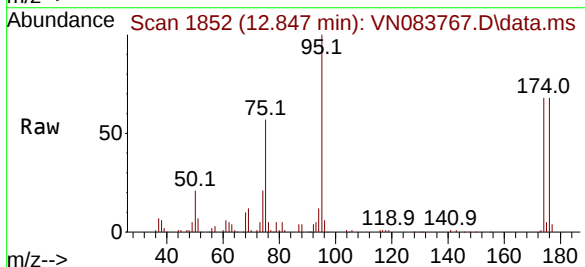
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

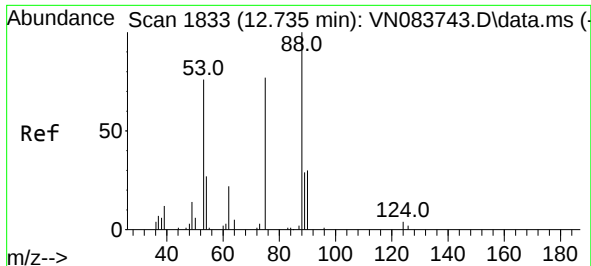
Tgt Ion:152 Resp: 132094  
Ion Ratio Lower Upper  
152 100  
115 63.9 32.2 96.6  
150 157.7 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.120 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 75 Resp: 74950  
Ion Ratio Lower Upper  
75 100  
77 1.0 95.2 285.6#

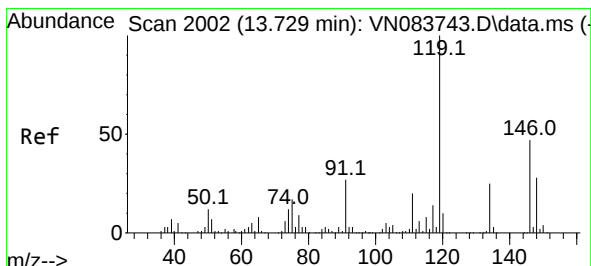
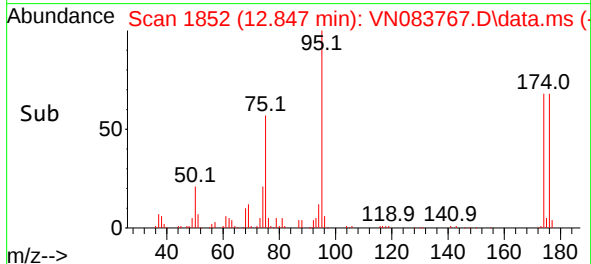
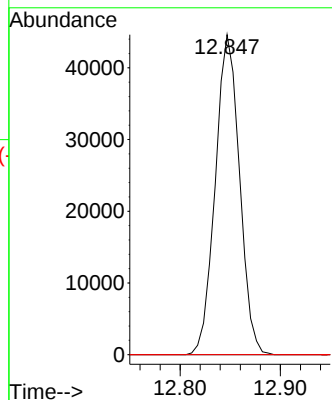
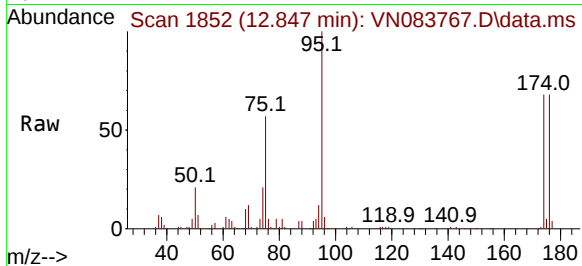




#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.647 ug/l  
RT: 12.847 min Scan# 1833  
Delta R.T. 0.112 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

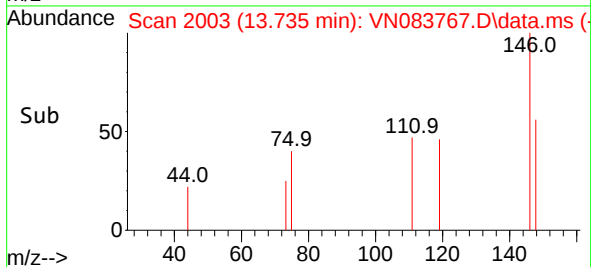
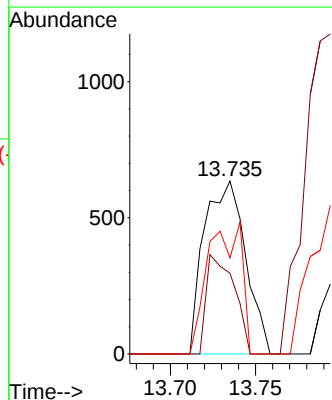
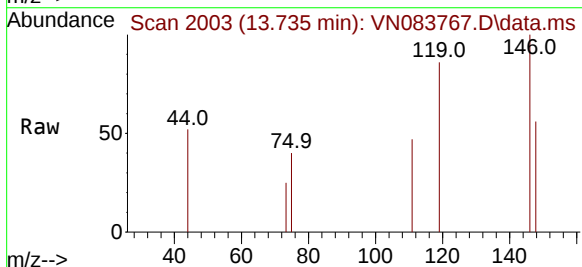
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

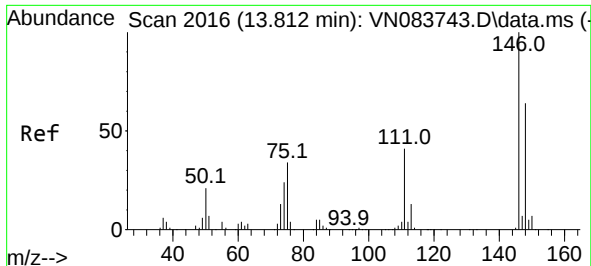
Tgt Ion: 75 Resp: 74950  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.2 121.8#  
89 0.0 35.7 53.5#



#87  
1,3-Dichlorobenzene  
Concen: 0.230 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion: 146 Resp: 1070  
Ion Ratio Lower Upper  
146 100  
111 38.6 21.7 65.1  
148 61.8 31.7 95.1

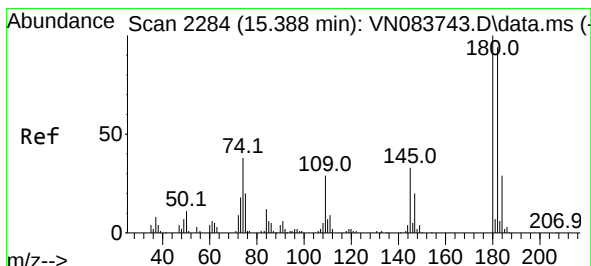
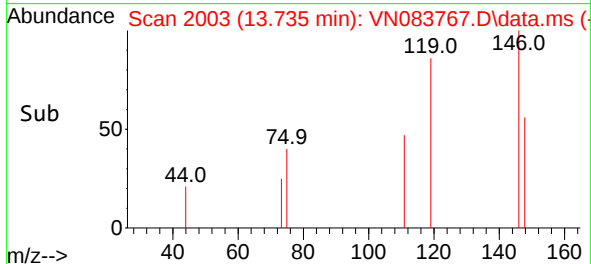
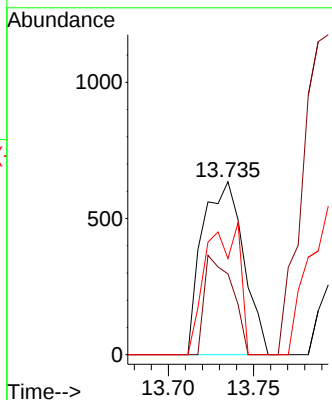
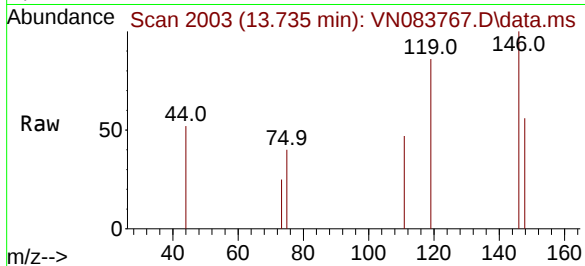




#88  
1,4-Dichlorobenzene  
Concen: 0.228 ug/l  
RT: 13.735 min Scan# 2016  
Delta R.T. -0.077 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

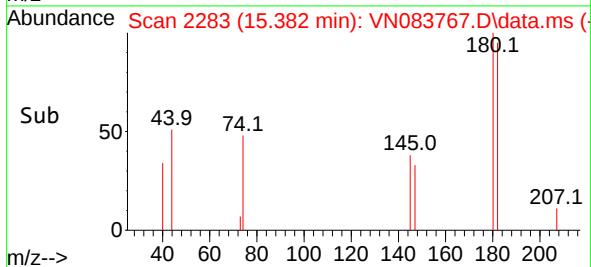
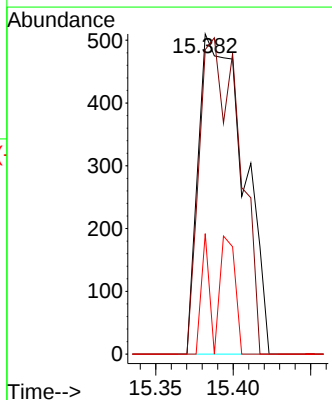
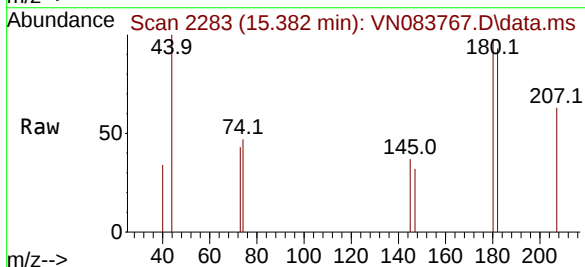
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

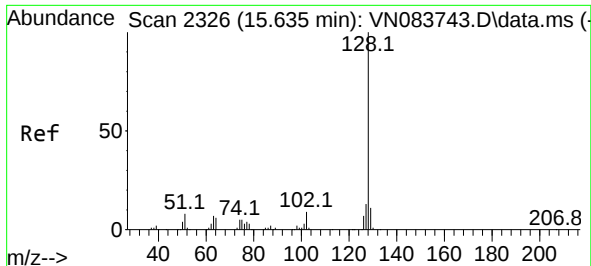
Tgt Ion:146 Resp: 1070  
Ion Ratio Lower Upper  
146 100  
111 38.6 21.3 64.0  
148 61.8 32.0 96.2



#93  
1,2,4-Trichlorobenzene  
Concen: 0.427 ug/l  
RT: 15.382 min Scan# 2283  
Delta R.T. -0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion:180 Resp: 1026  
Ion Ratio Lower Upper  
180 100  
182 88.5 48.1 144.3  
145 19.0 16.9 50.7

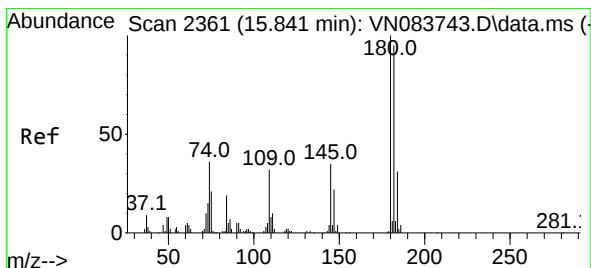
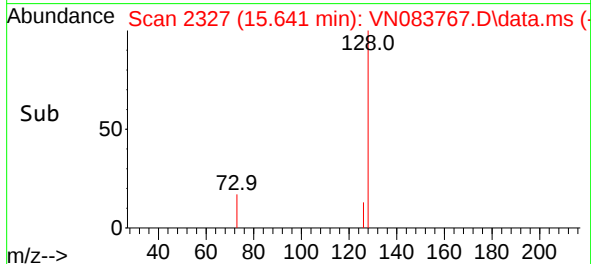
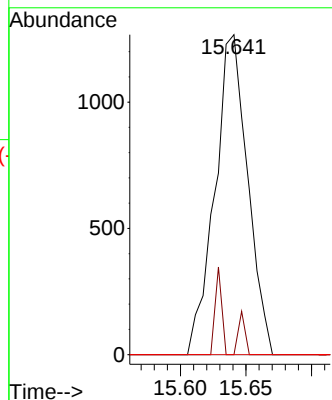
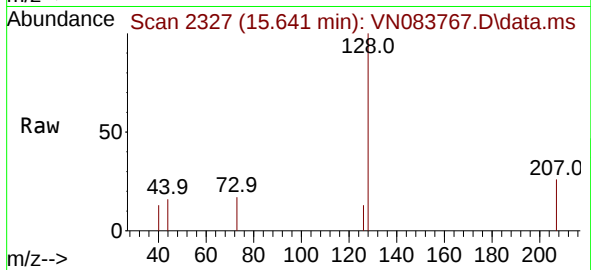




#95  
Naphthalene  
Concen: 0.301 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL04

Tgt Ion:128 Resp: 2204  
Ion Ratio Lower Upper  
128 100  
127 2.8 10.2 15.2#  
129 0.0 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 0.362 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN083767.D  
Acq: 11 Sep 2024 03:15

Tgt Ion:180 Resp: 832  
Ion Ratio Lower Upper  
180 100  
182 82.2 47.1 141.4  
145 28.0 17.8 53.5

