

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091124\  
 Data File : VN083792.D  
 Acq On : 11 Sep 2024 13:33  
 Operator : JC\MD  
 Sample : VN0911MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 12 02:07:08 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      | 8.218  | 168  | 111656   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 234183   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 247196   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 114439   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 89811    | 53.344   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 106.680% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 70600    | 47.091   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 94.180%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 255942   | 49.382   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.760%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 112234   | 52.487   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 104.980% |      |

|                               |        |     |       |           |        |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| Target Compounds              |        |     |       | Qvalue    |        |    |
| 3) Chloromethane              | 2.359  | 50  | 513   | Below Cal | #      | 41 |
| 5) Bromomethane               | 2.906  | 94  | 526   | 0.645     | ug/l # | 71 |
| 6) Chloroethane               | 3.012  | 64  | 826   | 0.828     | ug/l # | 45 |
| 13) Acrolein                  | 4.171  | 56  | 65    | 0.292     | ug/l # | 1  |
| 17) Carbon Disulfide          | 4.706  | 76  | 2999  | 0.888     | ug/l # | 75 |
| 18) Methyl Acetate            | 5.024  | 43  | 3218  | 0.449     | ug/l # | 59 |
| 21) trans-1,2-Dichloroethene  | 5.783  | 96  | 445   | 0.344     | ug/l # | 68 |
| 25) 2-Butanone                | 7.489  | 43  | 309   | 0.348     | ug/l # | 49 |
| 27) cis-1,2-Dichloroethene    | 7.471  | 96  | 438   | 0.285     | ug/l   | 67 |
| 31) Cyclohexane               | 8.224  | 56  | 3038  | 1.249     | ug/l # | 33 |
| 36) 1,1-Dichloropropene       | 8.371  | 75  | 839   | 0.372     | ug/l # | 56 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 12408 | 4.847     | ug/l # | 16 |
| 43) Isopropyl Acetate         | 8.694  | 43  | 27419 | 7.387     | ug/l # | 57 |
| 44) Trichloroethene           | 9.341  | 130 | 655   | 0.416     | ug/l   | 77 |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 651   | 0.322     | ug/l # | 36 |
| 52) Toluene                   | 10.629 | 92  | 977   | 0.235     | ug/l   | 84 |
| 53) t-1,3-Dichloropropene     | 10.841 | 75  | 1425  | 0.565     | ug/l # | 72 |
| 54) cis-1,3-Dichloropropene   | 10.306 | 75  | 829   | 0.313     | ug/l # | 57 |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63  | 536   | 0.623     | ug/l # | 46 |
| 59) 2-Hexanone                | 11.188 | 43  | 1398  | 0.935     | ug/l # | 52 |
| 61) 1,2-Dibromoethane         | 11.476 | 107 | 497   | 0.321     | ug/l   | 91 |
| 64) Tetrachloroethene         | 11.112 | 164 | 485   | 0.295     | ug/l # | 75 |
| 65) Chlorobenzene             | 11.888 | 112 | 2971  | 0.541     | ug/l   | 97 |
| 67) Ethyl Benzene             | 11.965 | 91  | 3282  | 0.336     | ug/l # | 88 |
| 68) m/p-Xylenes               | 12.065 | 106 | 2206  | 0.609     | ug/l   | 96 |
| 70) Styrene                   | 12.412 | 104 | 2997  | 0.521     | ug/l   | 92 |
| 73) Isopropylbenzene          | 12.694 | 105 | 1862  | 0.210     | ug/l   | 77 |
| 74) N-amyl acetate            | 12.488 | 43  | 925   | 0.245     | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 63538 | 27.516    | ug/l # | 1  |
| 77) Bromobenzene              | 12.976 | 156 | 1516  | 0.711     | ug/l   | 85 |
| 78) n-propylbenzene           | 13.035 | 91  | 5402  | 0.524     | ug/l   | 93 |
| 79) 2-Chlorotoluene           | 13.123 | 91  | 3070  | 0.467     | ug/l   | 95 |
| 80) 1,3,5-Trimethylbenzene    | 13.165 | 105 | 2203  | 0.295     | ug/l   | 84 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 63538 | 72.066    | ug/l # | 9  |
| 82) 4-Chlorotoluene           | 13.223 | 91  | 6012  | 0.912     | ug/l   | 98 |
| 83) tert-Butylbenzene         | 13.435 | 119 | 1457  | 0.223     | ug/l   | 92 |

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Sample : VN0911MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 12 02:07:08 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

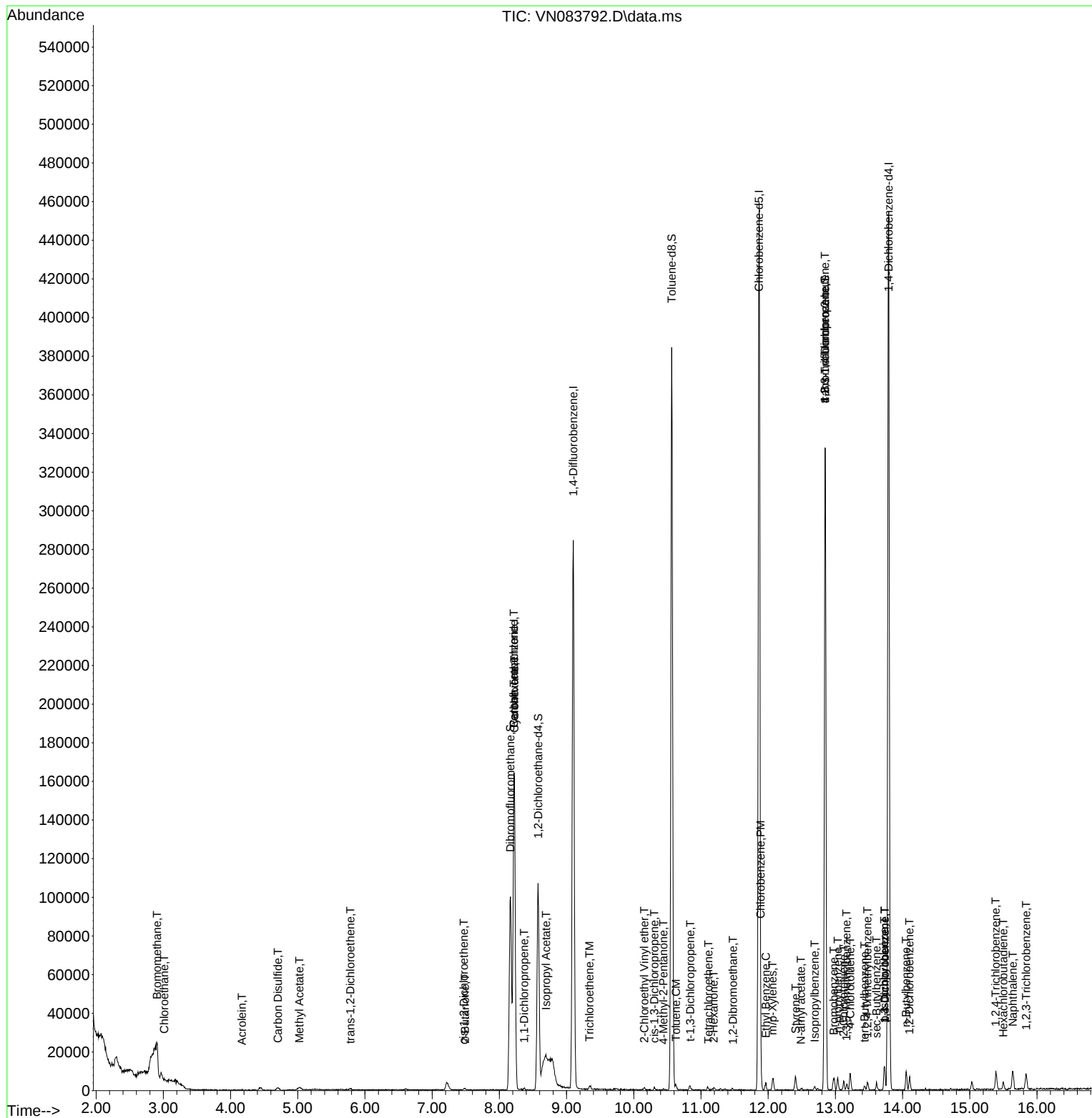
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 84) 1,2,4-Trimethylbenzene | 13.476 | 105  | 2573     | 0.343 | ug/l  | 96       |
| 85) sec-Butylbenzene       | 13.612 | 105  | 2964     | 0.342 | ug/l  | 96       |
| 86) p-Isopropyltoluene     | 13.729 | 119  | 3009     | 0.414 | ug/l  | 93       |
| 87) 1,3-Dichlorobenzene    | 13.735 | 146  | 4196     | 1.043 | ug/l  | 92       |
| 88) 1,4-Dichlorobenzene    | 13.735 | 146  | 4196     | 1.030 | ug/l  | 92       |
| 89) n-Butylbenzene         | 14.053 | 91   | 5570     | 0.854 | ug/l  | 96       |
| 91) 1,2-Dichlorobenzene    | 14.100 | 146  | 2783     | 0.717 | ug/l  | 95       |
| 93) 1,2,4-Trichlorobenzene | 15.388 | 180  | 3423     | 1.643 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.500 | 225  | 918      | 1.038 | ug/l  | 84       |
| 95) Naphthalene            | 15.641 | 128  | 9564     | 1.509 | ug/l  | 96       |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180  | 2902     | 1.458 | ug/l  | 91       |

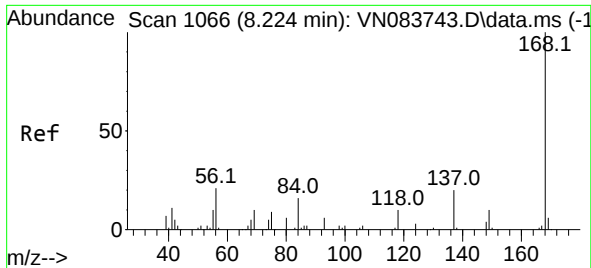
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091124\  
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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 12 02:07:08 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

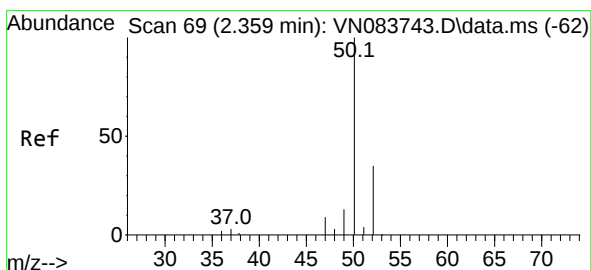
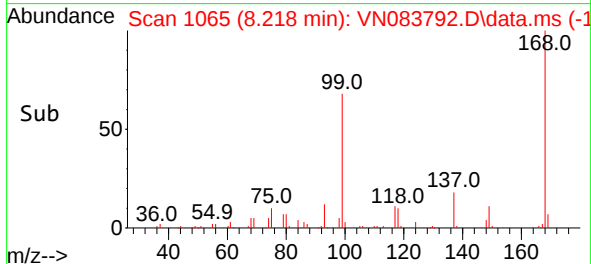
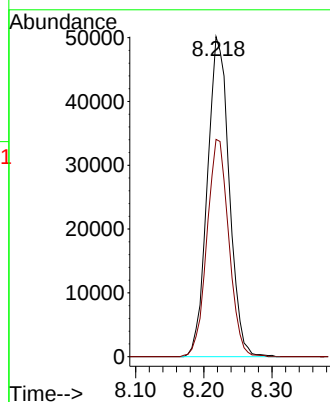
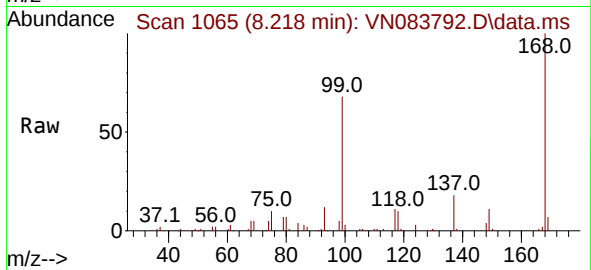




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

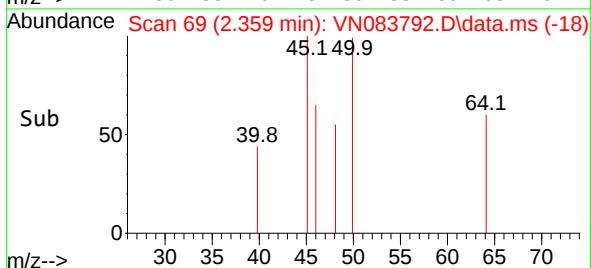
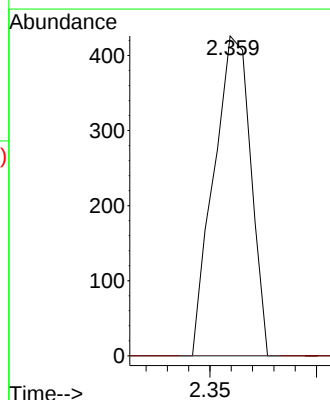
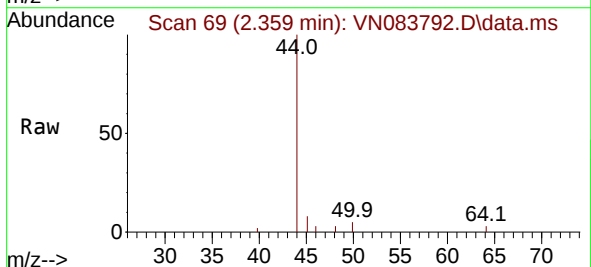
Instrument :  
MSVOA\_N  
ClientSampleId :

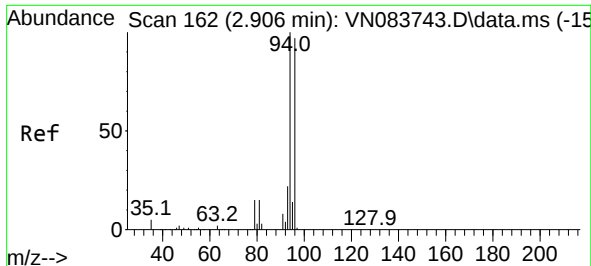
Tgt Ion:168 Resp: 111656  
Ion Ratio Lower Upper  
168 100  
99 67.9 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 50 Resp: 513  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

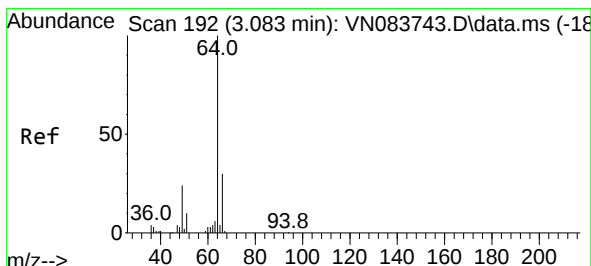
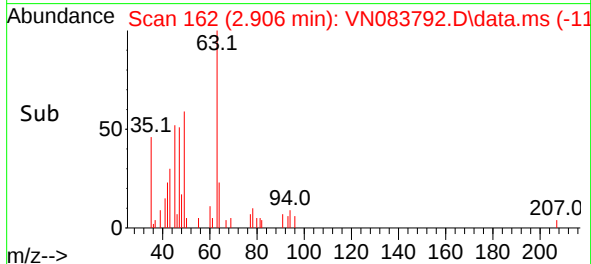
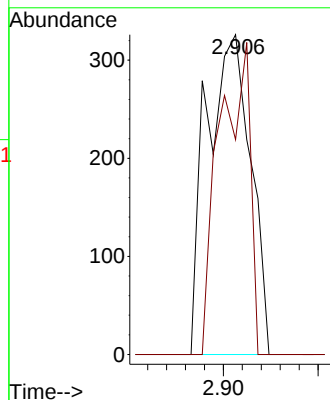
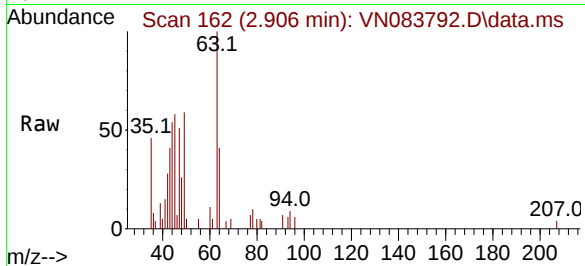




#5  
Bromomethane  
Concen: 0.645 ug/l  
RT: 2.906 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

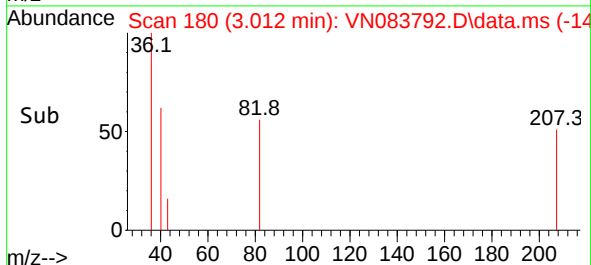
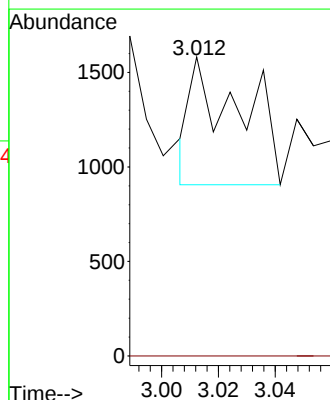
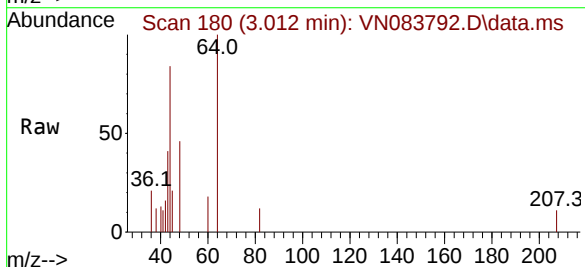
Instrument :  
MSVOA\_N  
ClientSampleId :

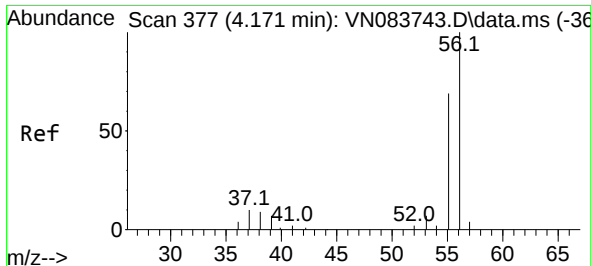
Tgt Ion: 94 Resp: 526  
Ion Ratio Lower Upper  
94 100  
96 67.2 76.0 114.0#



#6  
Chloroethane  
Concen: 0.828 ug/l  
RT: 3.012 min Scan# 180  
Delta R.T. -0.071 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 64 Resp: 826  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.9 35.9#





#13

Acrolein

Concen: 0.292 ug/l

RT: 4.171 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

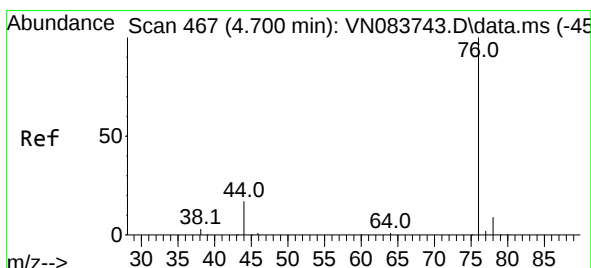
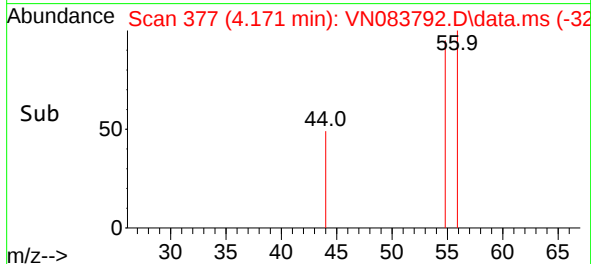
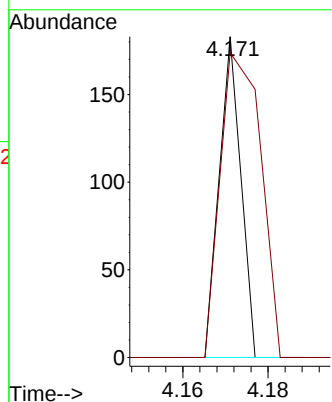
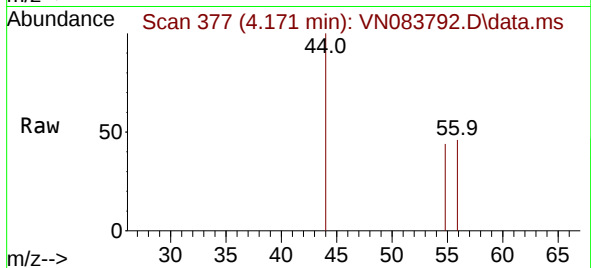
ClientSampleId :

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 176.9 58.2 87.2#



#17

Carbon Disulfide

Concen: 0.888 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN083792.D

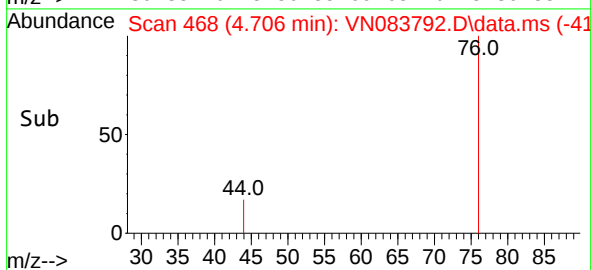
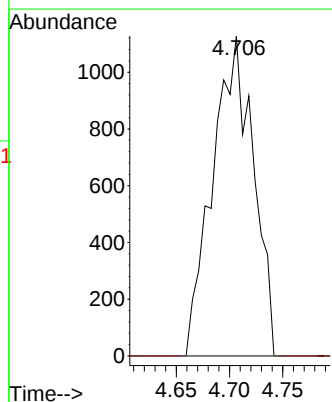
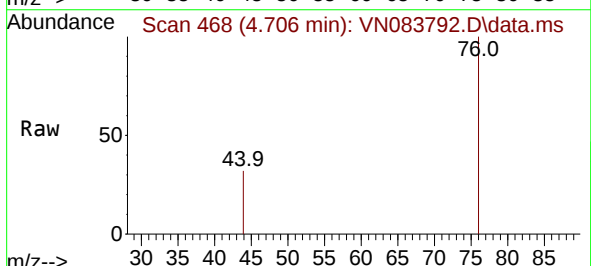
Acq: 11 Sep 2024 13:33

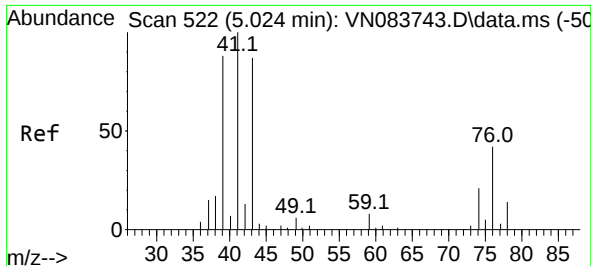
Tgt Ion: 76 Resp: 2999

Ion Ratio Lower Upper

76 100

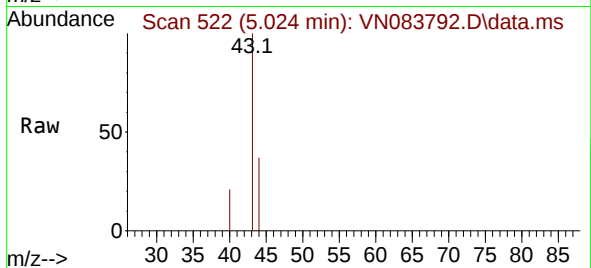
78 0.0 7.1 10.7#



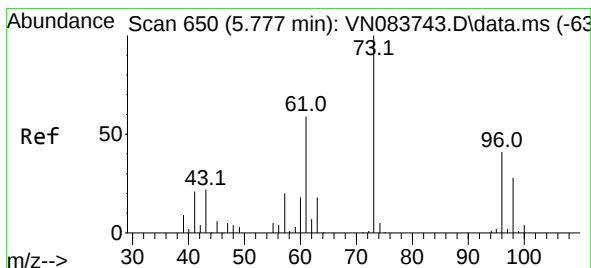
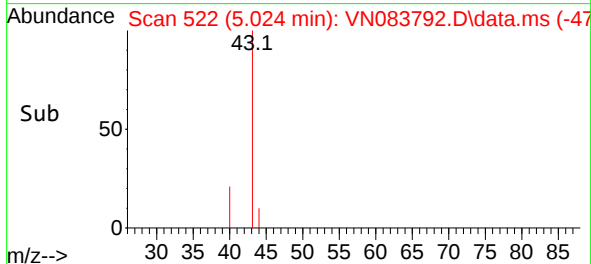
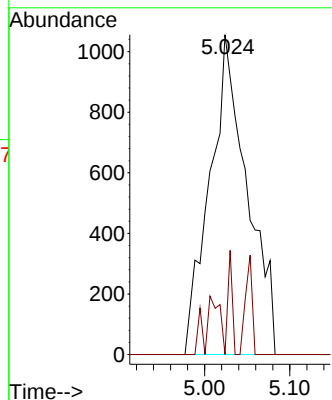


#18  
Methyl Acetate  
Concen: 0.449 ug/l  
RT: 5.024 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Instrument :  
MSVOA\_N  
ClientSampleId :

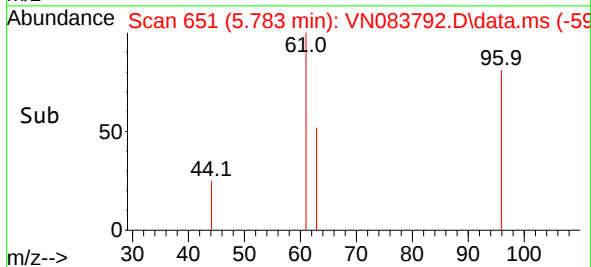
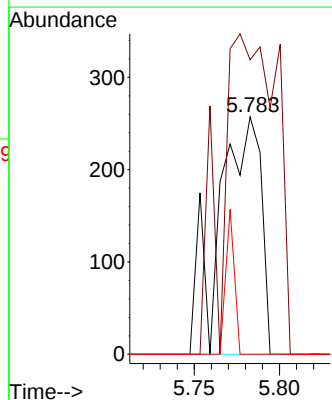
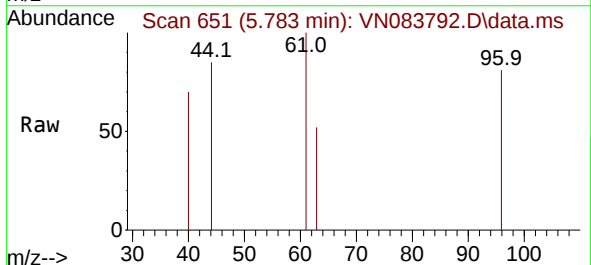


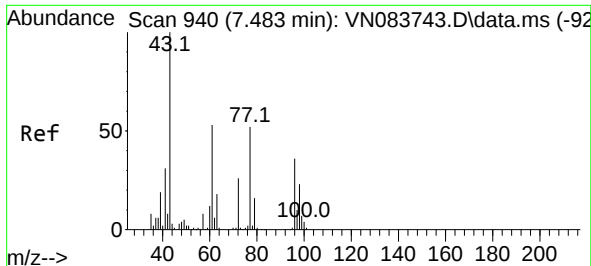
Tgt Ion: 43 Resp: 3218  
Ion Ratio Lower Upper  
43 100  
74 3.8 19.0 28.4#



#21  
trans-1,2-Dichloroethene  
Concen: 0.344 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. 0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

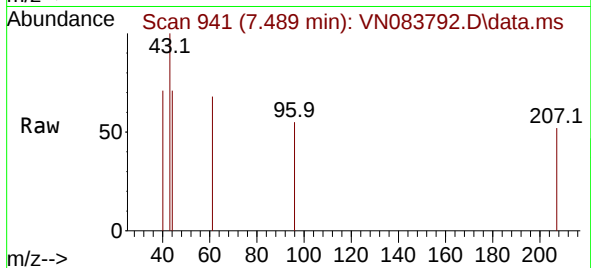
Tgt Ion: 96 Resp: 445  
Ion Ratio Lower Upper  
96 100  
61 124.1 106.0 159.0  
98 0.0 52.2 78.2#



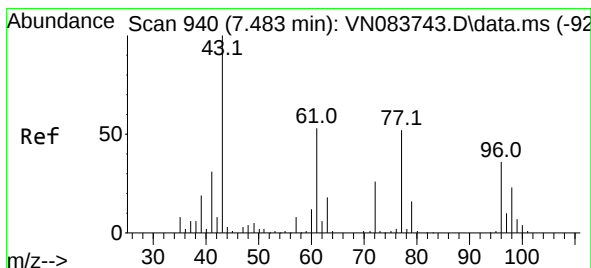
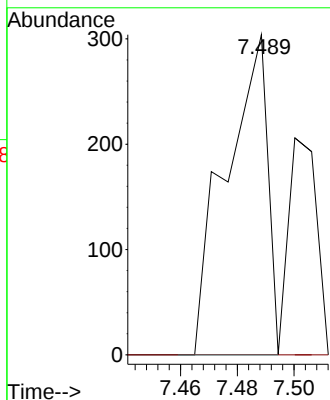
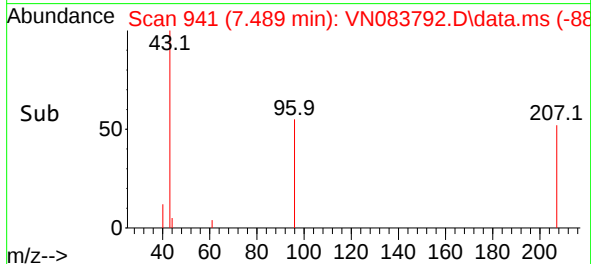


#25  
2-Butanone  
Concen: 0.348 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

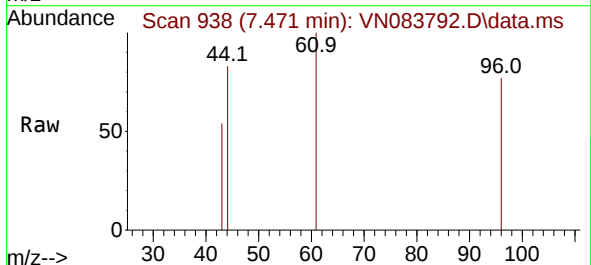
Instrument :  
MSVOA\_N  
ClientSampleId :



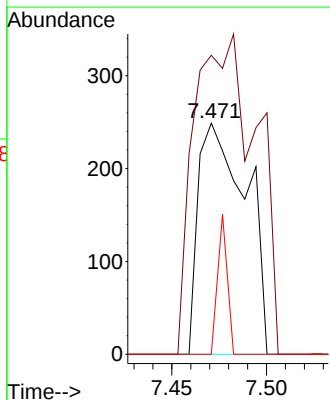
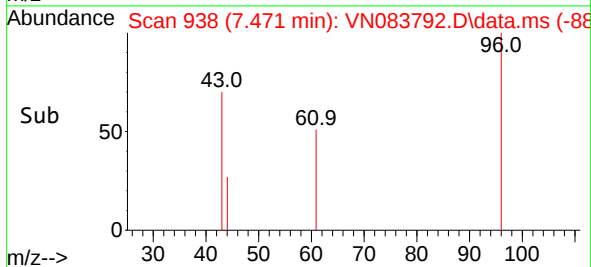
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Ion Ratio Lower Upper  
43 100  
72 0.0 20.8 31.2#

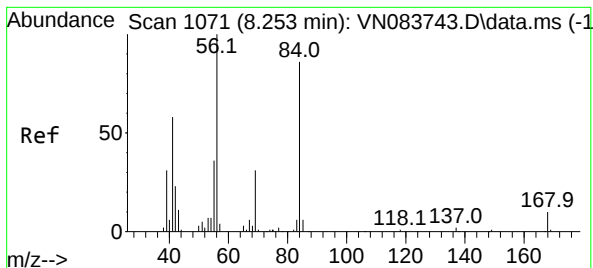


#27  
cis-1,2-Dichloroethene  
Concen: 0.285 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. -0.012 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33



Tgt Ion: 96 Resp: 438  
Ion Ratio Lower Upper  
96 100  
61 178.1 0.0 306.2  
98 12.1 0.0 128.6





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

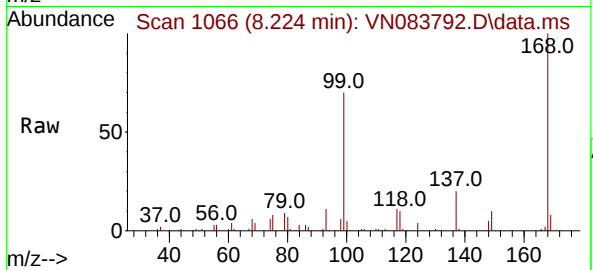
Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

ClientSampleId :



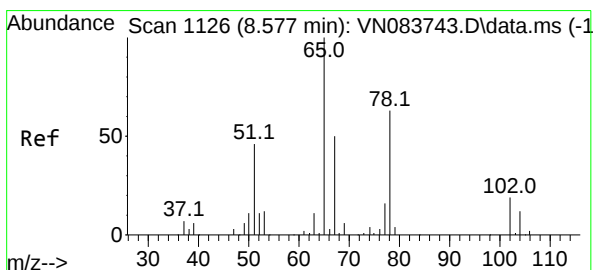
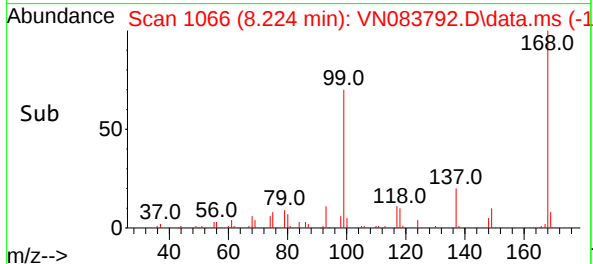
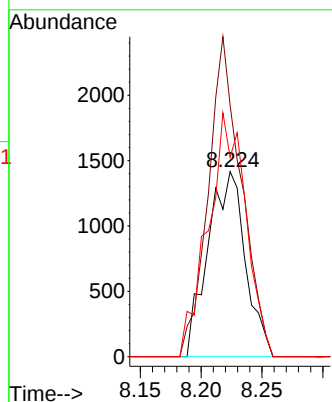
Tgt Ion: 56 Resp: 3038

Ion Ratio Lower Upper

56 100

69 135.9 26.9 40.3#

84 107.7 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 53.344 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083792.D

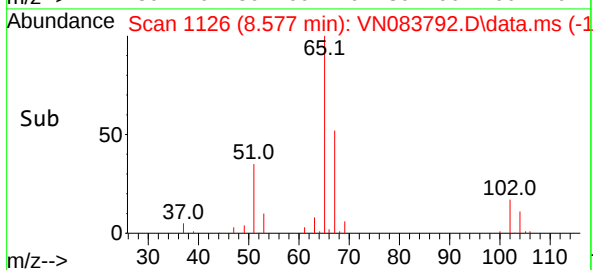
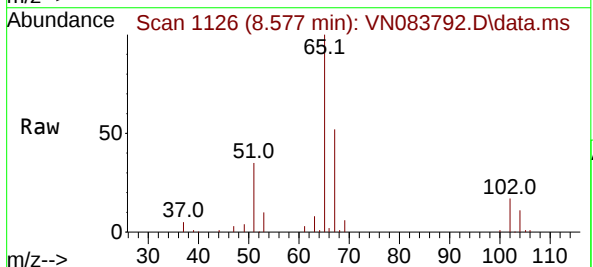
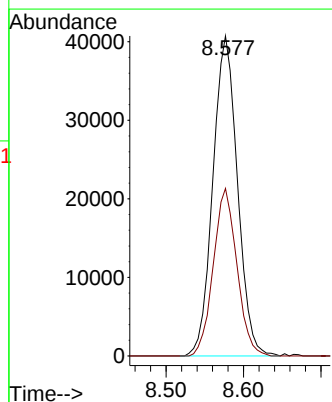
Acq: 11 Sep 2024 13:33

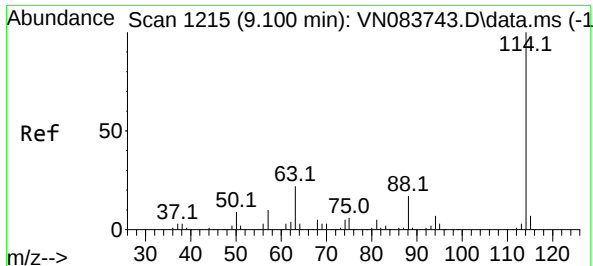
Tgt Ion: 65 Resp: 89811

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8

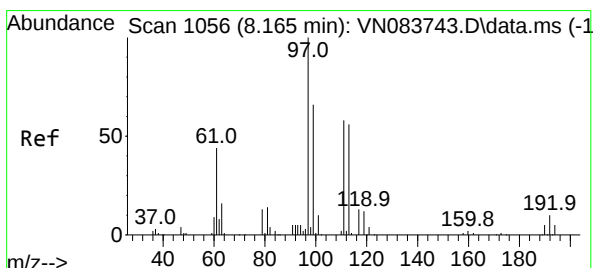
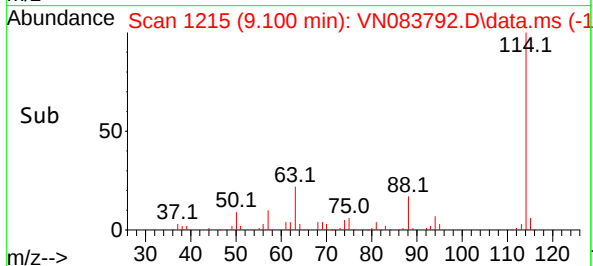
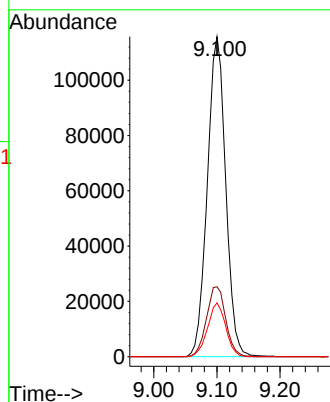
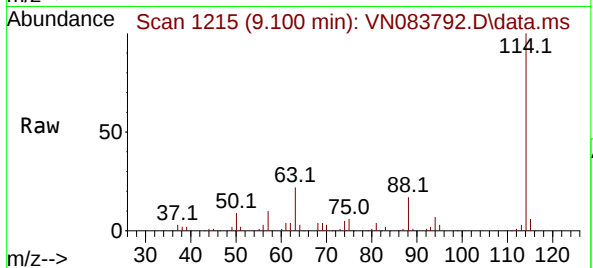




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

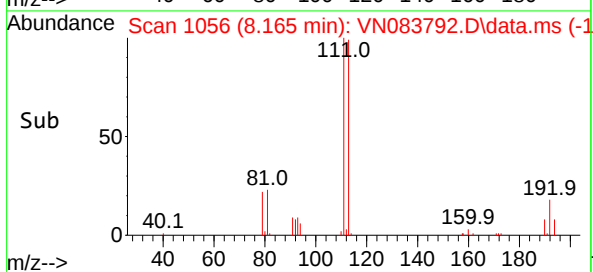
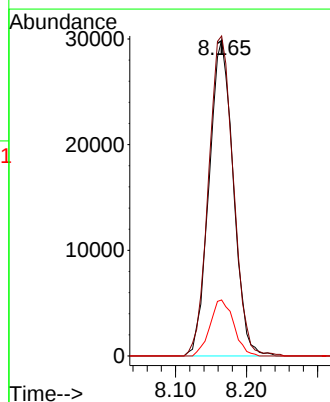
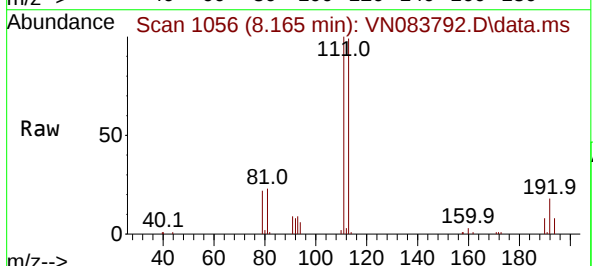
Instrument :  
MSVOA\_N  
ClientSampleId :

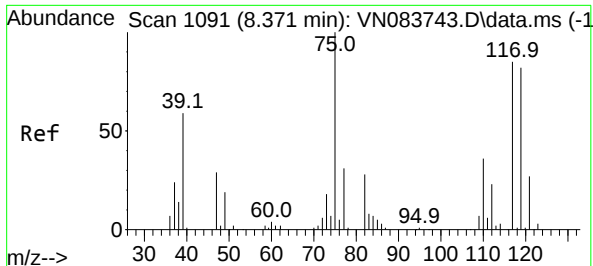
Tgt Ion:114 Resp: 234183  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 43.4  
88 16.8 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 47.091 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion:113 Resp: 70600  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.6 124.0  
192 17.4 14.3 21.5

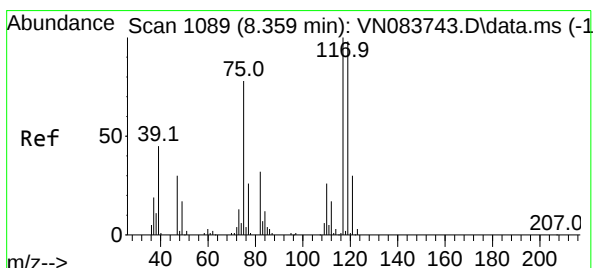
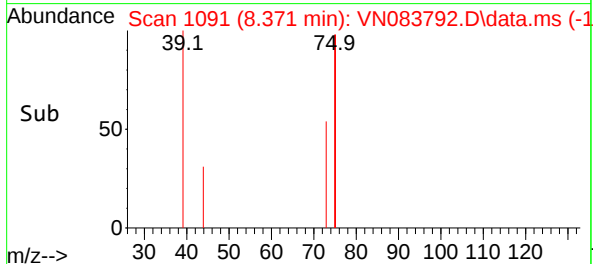
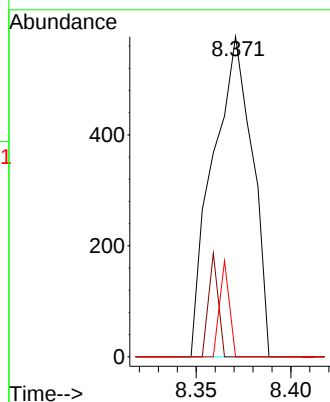
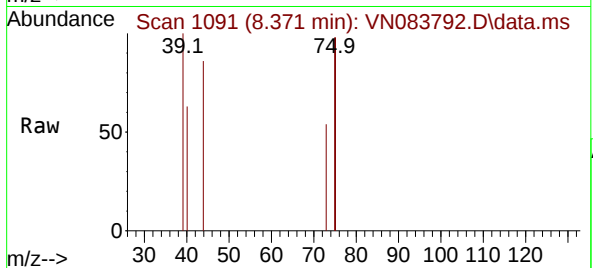




#36  
1,1-Dichloropropene  
Concen: 0.372 ug/l  
RT: 8.371 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

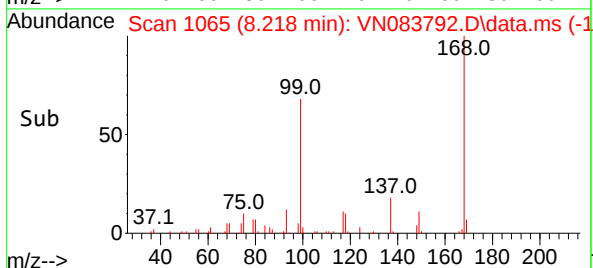
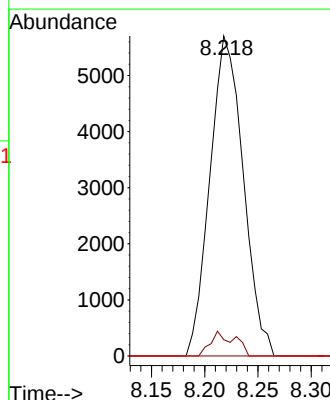
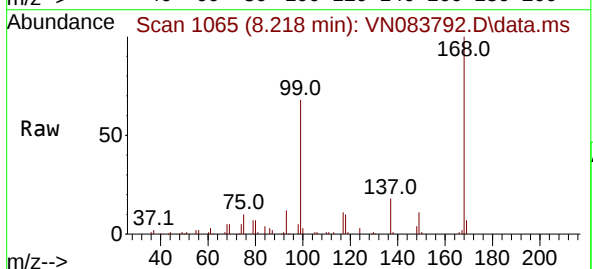
Instrument :  
MSVOA\_N  
ClientSampleId :

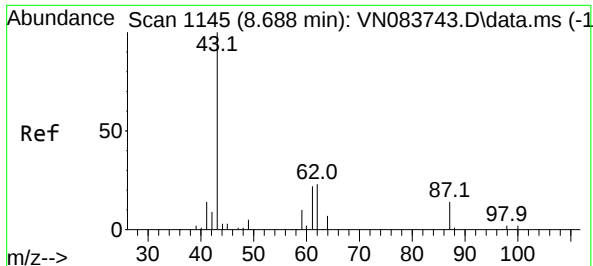
Tgt Ion: 75 Resp: 839  
Ion Ratio Lower Upper  
75 100  
110 7.9 16.7 50.1#  
77 7.3 25.2 37.8#



#38  
Carbon Tetrachloride  
Concen: 4.847 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.141 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 117 Resp: 12408  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.1 114.1#  
121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 7.387 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

ClientSampleId :

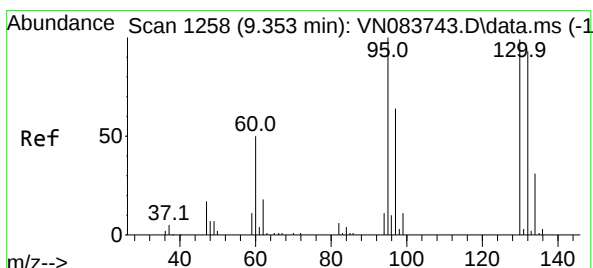
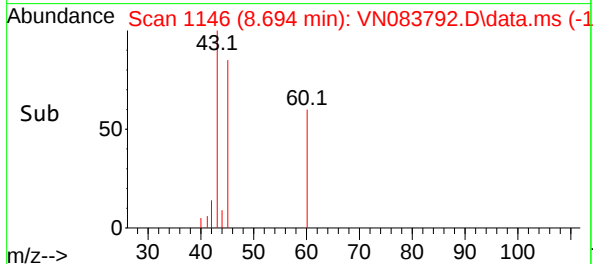
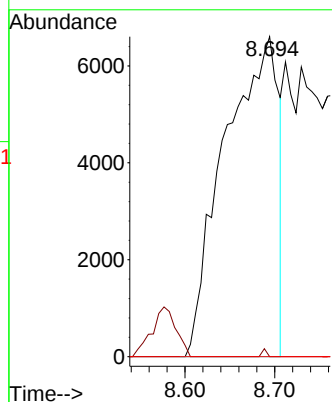
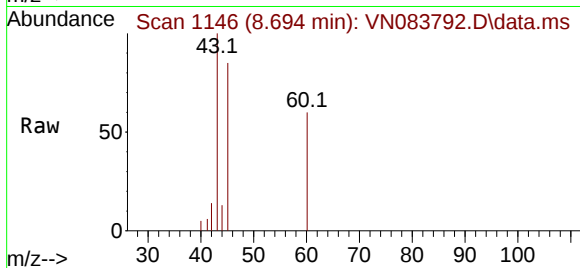
Tgt Ion: 43 Resp: 27419

Ion Ratio Lower Upper

43 100

61 0.2 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 0.416 ug/l

RT: 9.341 min Scan# 1256

Delta R.T. -0.012 min

Lab File: VN083792.D

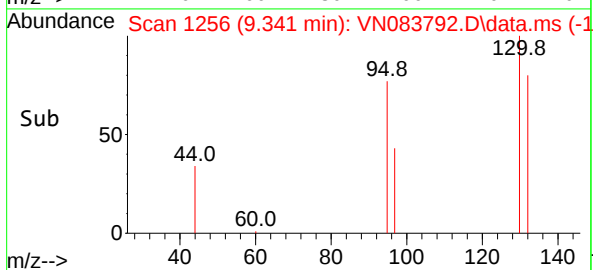
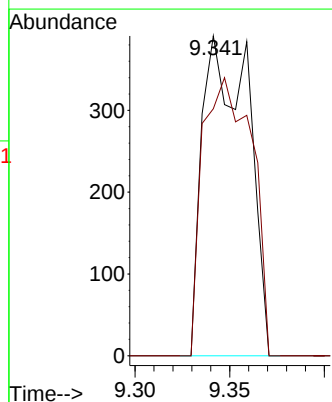
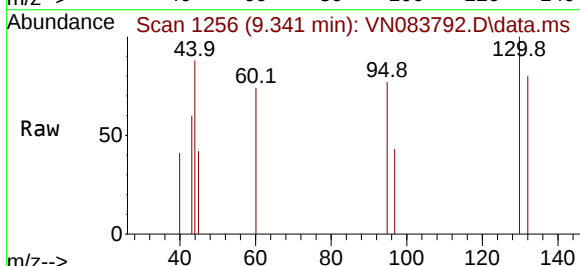
Acq: 11 Sep 2024 13:33

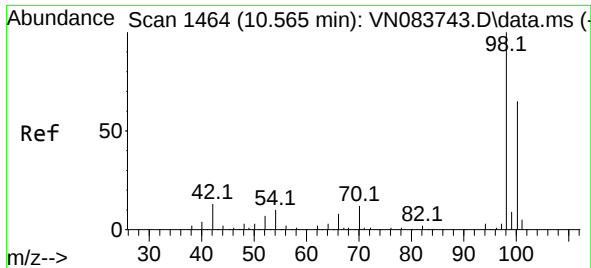
Tgt Ion: 130 Resp: 655

Ion Ratio Lower Upper

130 100

95 77.2 0.0 200.4

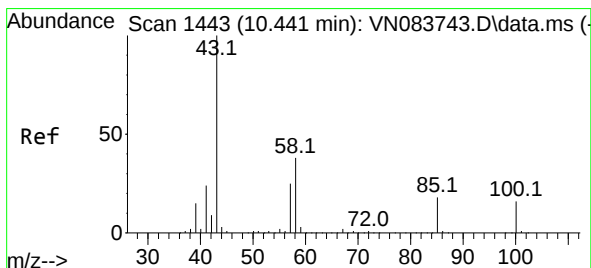
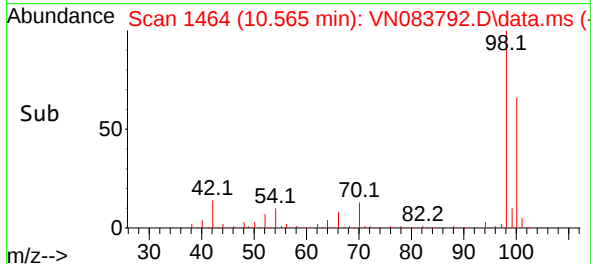
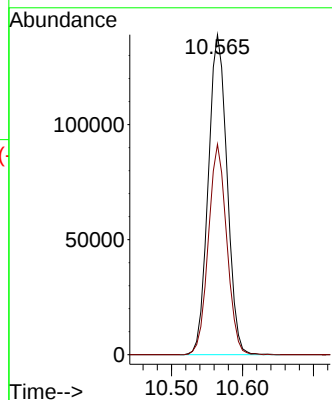
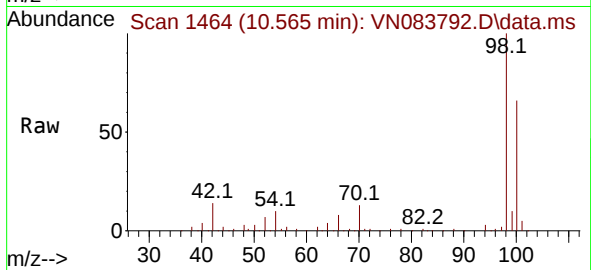




#50  
Toluene-d8  
Concen: 49.382 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

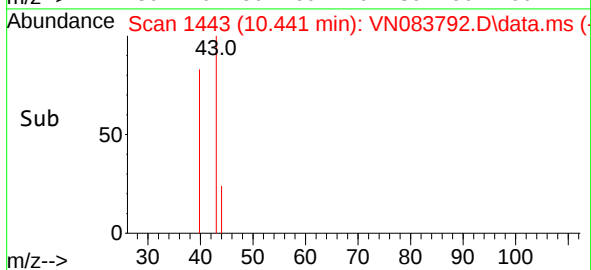
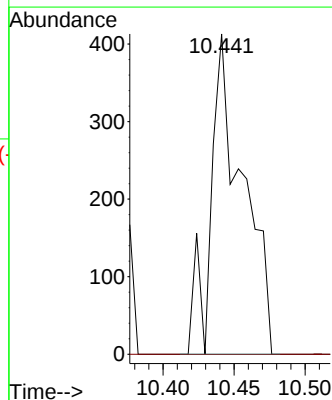
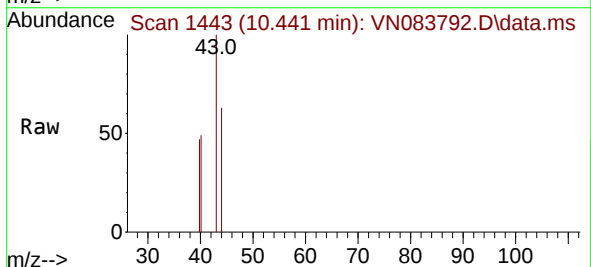
Instrument :  
MSVOA\_N  
ClientSampleId :

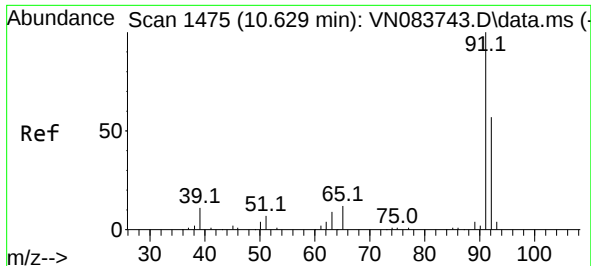
Tgt Ion: 98 Resp: 255942  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.322 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 43 Resp: 651  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.6 47.4#

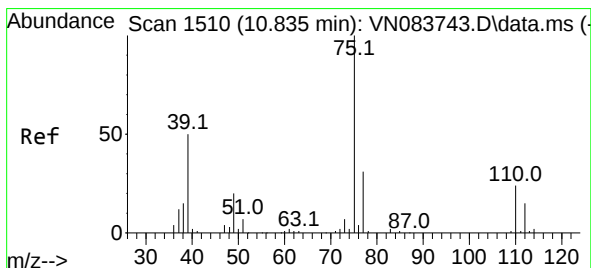
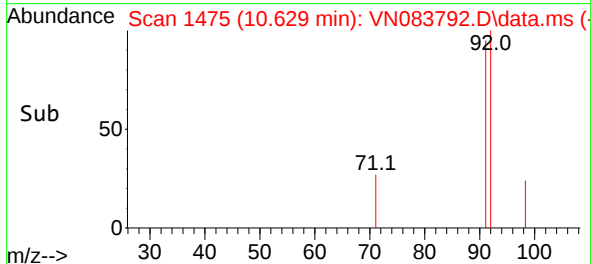
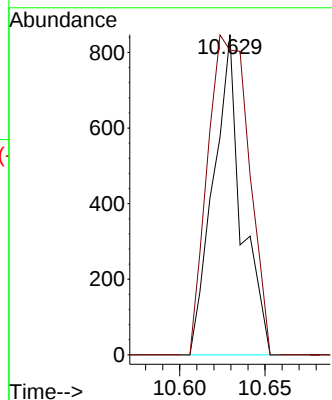
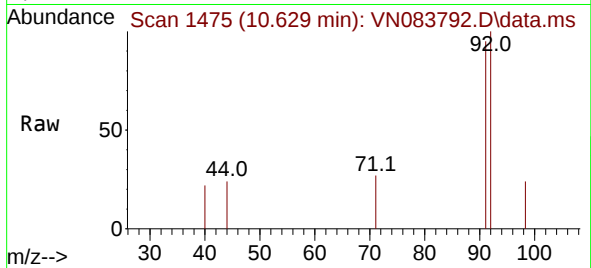




#52  
Toluene  
Concen: 0.235 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

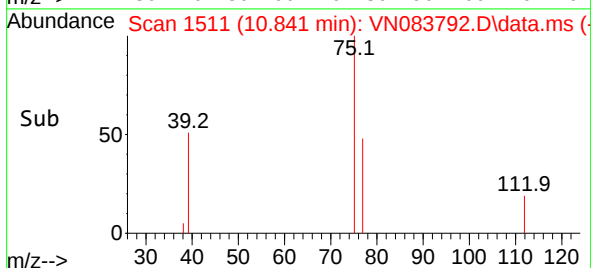
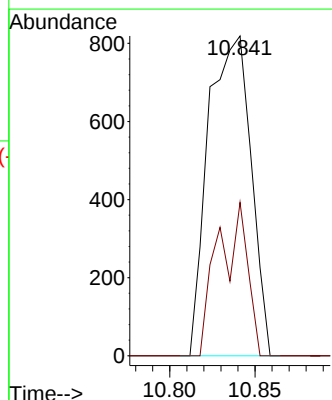
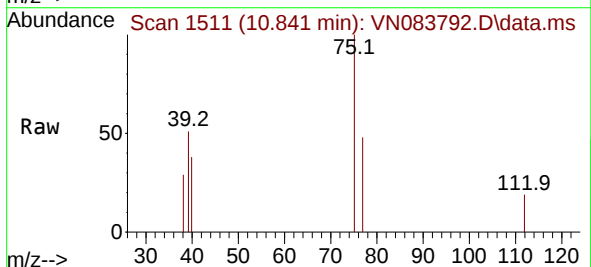
Instrument :  
MSVOA\_N  
ClientSampleId :

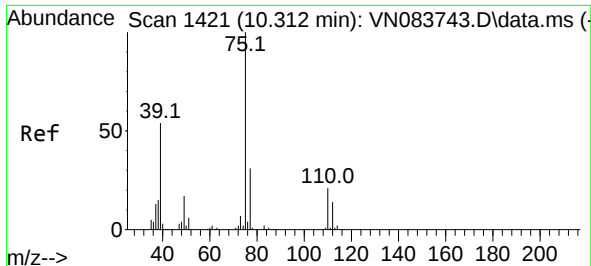
Tgt Ion: 92 Resp: 977  
Ion Ratio Lower Upper  
92 100  
91 146.0 134.7 202.1



#53  
t-1,3-Dichloropropene  
Concen: 0.565 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

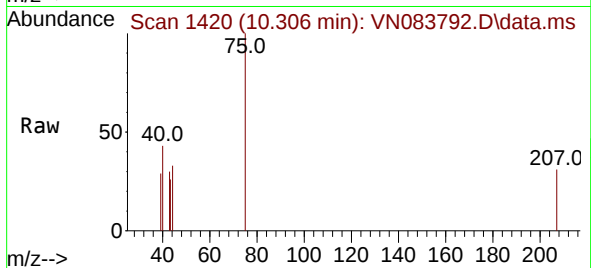
Tgt Ion: 75 Resp: 1425  
Ion Ratio Lower Upper  
75 100  
77 48.0 25.8 38.6#



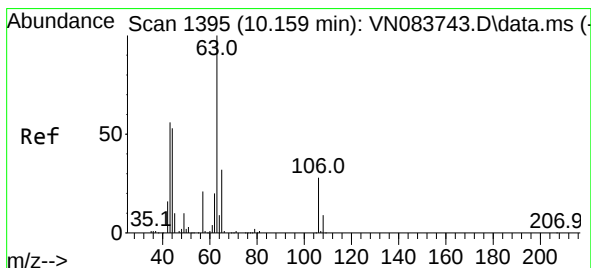
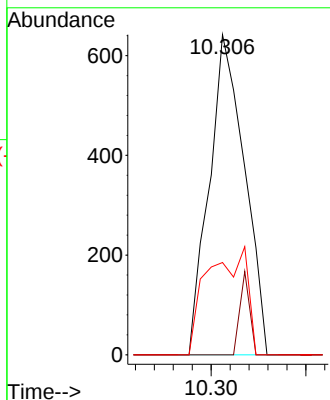
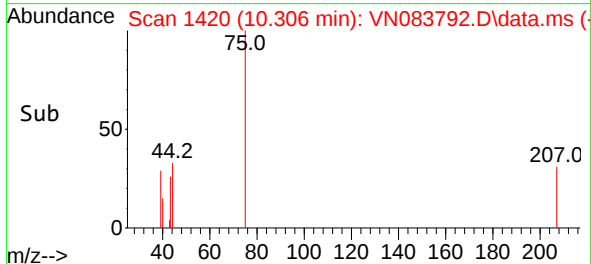


#54  
cis-1,3-Dichloropropene  
Concen: 0.313 ug/l  
RT: 10.306 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Instrument :  
MSVOA\_N  
ClientSampleId :

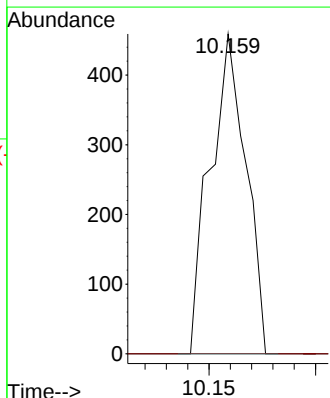
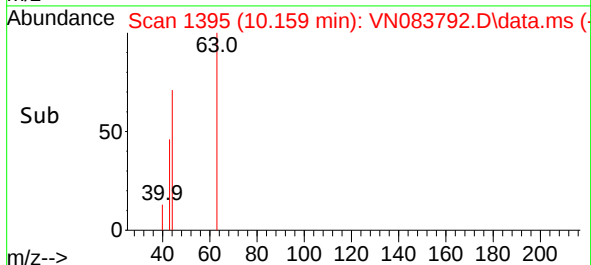
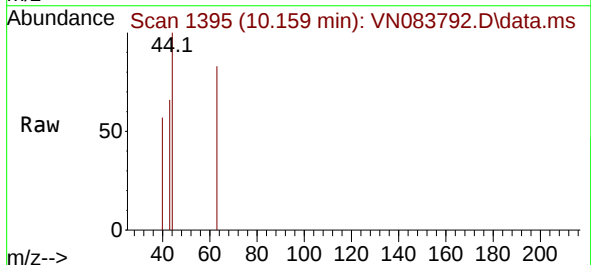


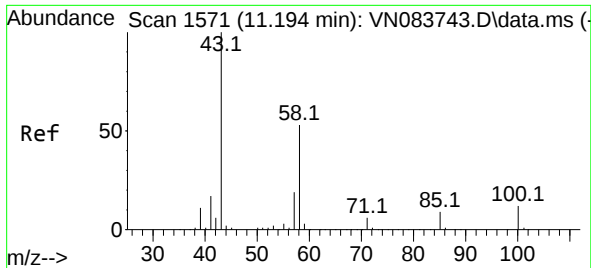
Tgt Ion: 75 Resp: 829  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.0 37.6#  
39 28.8 42.6 64.0#



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.623 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 63 Resp: 536  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.3 34.9#

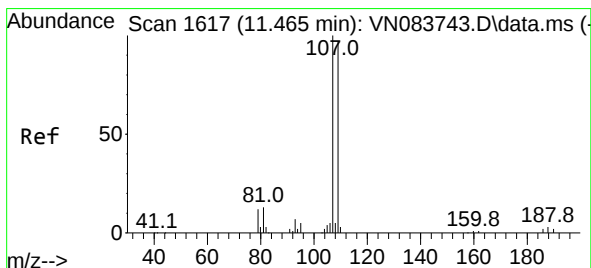
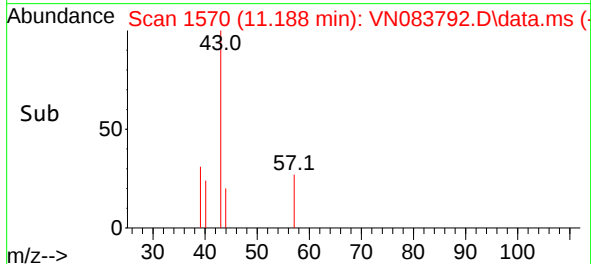
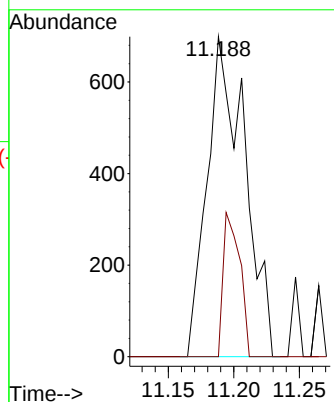
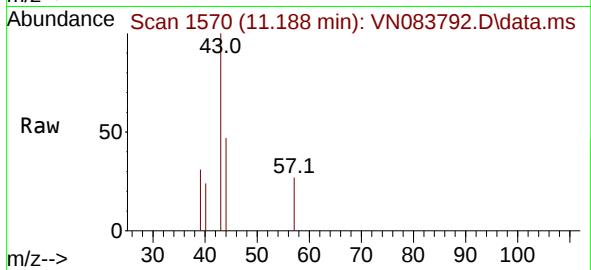




#59  
2-Hexanone  
Concen: 0.935 ug/l  
RT: 11.188 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

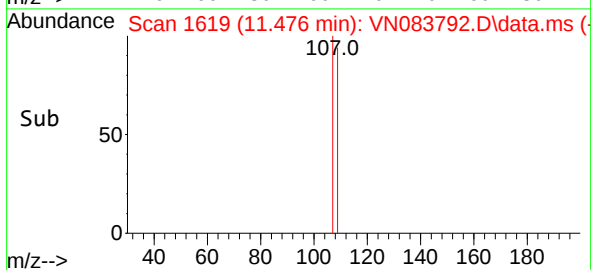
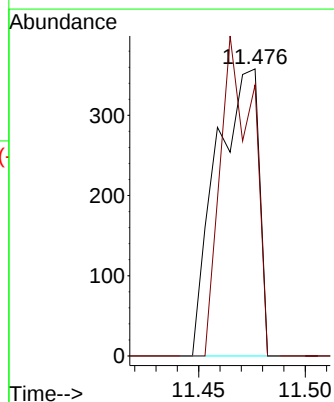
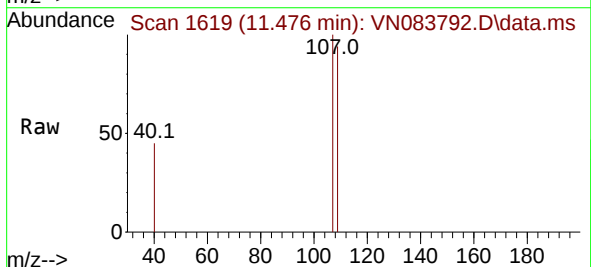
Instrument :  
MSVOA\_N  
ClientSampleId :

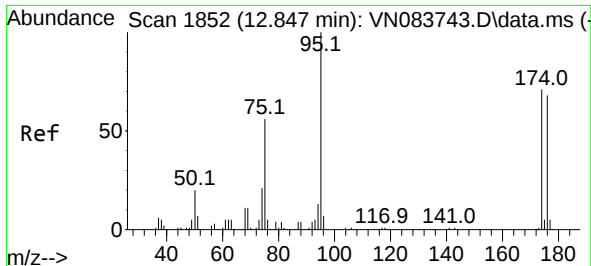
Tgt Ion: 43 Resp: 1398  
Ion Ratio Lower Upper  
43 100  
58 19.7 27.2 81.5#



#61  
1,2-Dibromoethane  
Concen: 0.321 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.012 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion:107 Resp: 497  
Ion Ratio Lower Upper  
107 100  
109 85.3 75.6 113.4

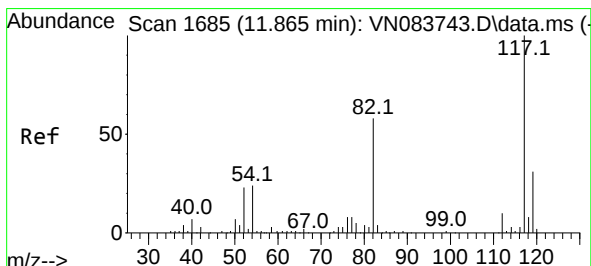
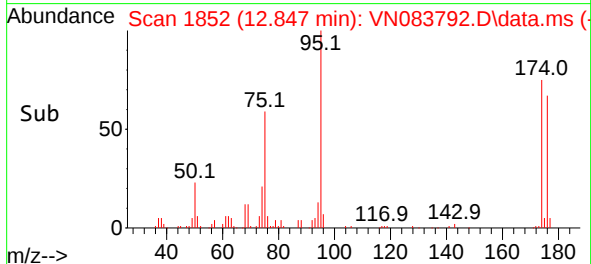
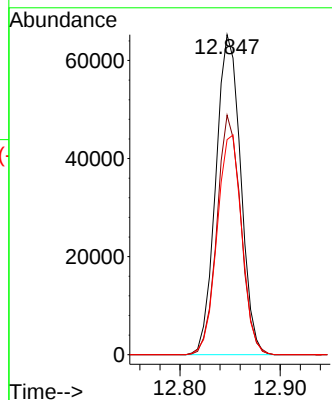
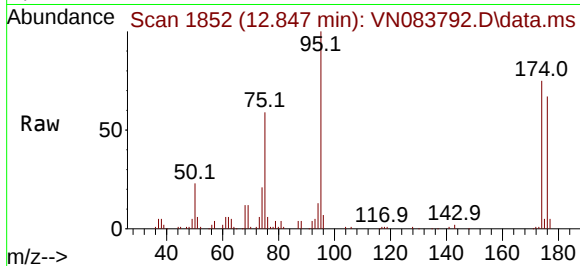




#62  
4-Bromofluorobenzene  
Concen: 52.487 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

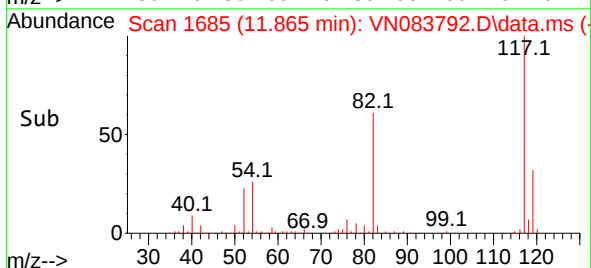
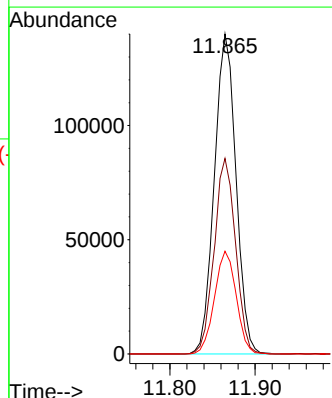
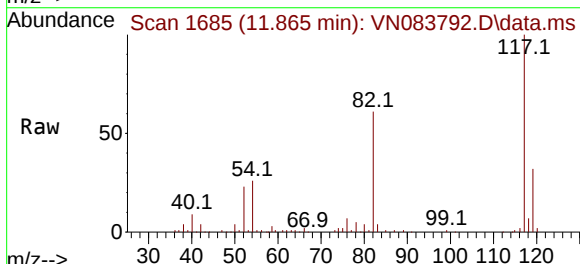
Instrument :  
MSVOA\_N  
ClientSampleId :

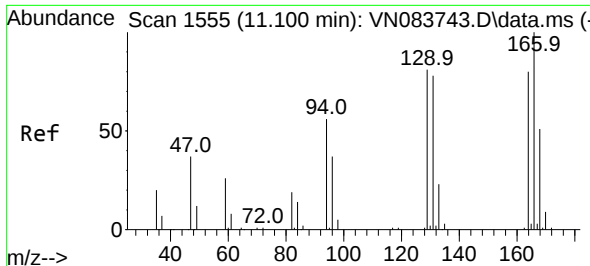
Tgt Ion: 95 Resp: 112234  
Ion Ratio Lower Upper  
95 100  
174 71.9 0.0 139.8  
176 68.6 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

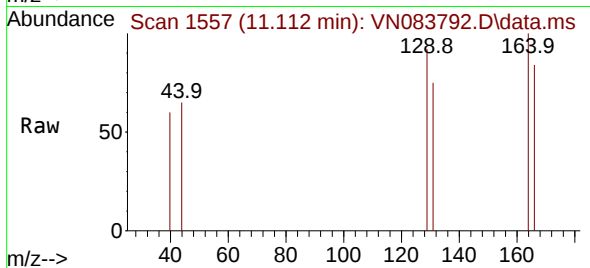
Tgt Ion: 117 Resp: 247196  
Ion Ratio Lower Upper  
117 100  
82 61.1 47.4 71.0  
119 32.1 26.3 39.5



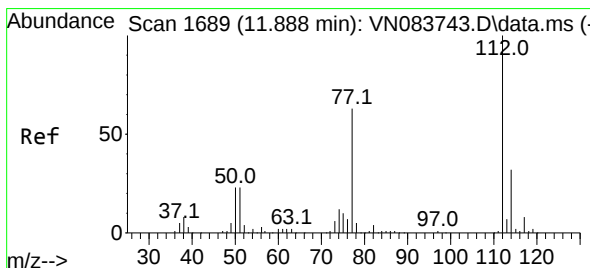
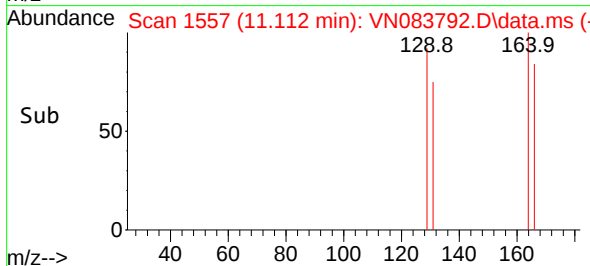
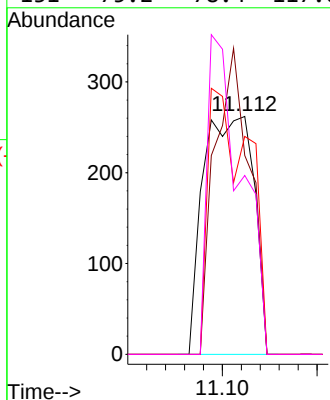


#64  
Tetrachloroethene  
Concen: 0.295 ug/l  
RT: 11.112 min Scan# 1557  
Delta R.T. 0.012 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Instrument :  
MSVOA\_N  
ClientSampleId :

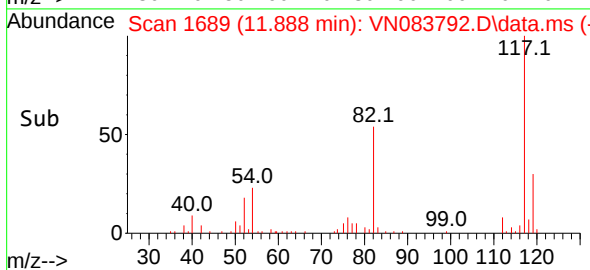
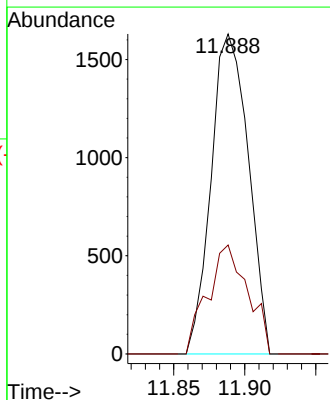
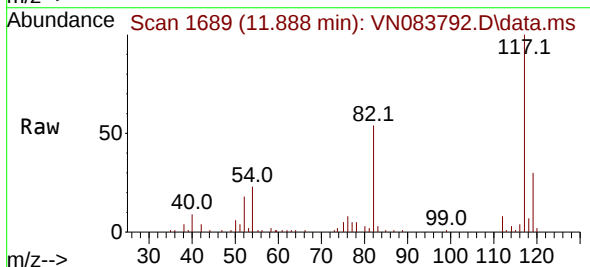


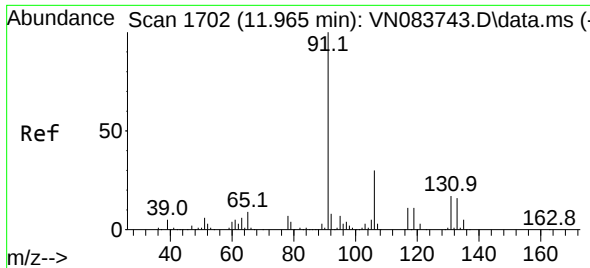
| Tgt Ion: | 164   | Resp: | 485    |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 83.6  | 103.7 | 155.5# |
| 129      | 91.6  | 79.9  | 119.9  |
| 131      | 75.2  | 78.4  | 117.6# |



#65  
Chlorobenzene  
Concen: 0.541 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

| Tgt Ion: | 112   | Resp: | 2971  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 34.0  | 25.7  | 38.5  |

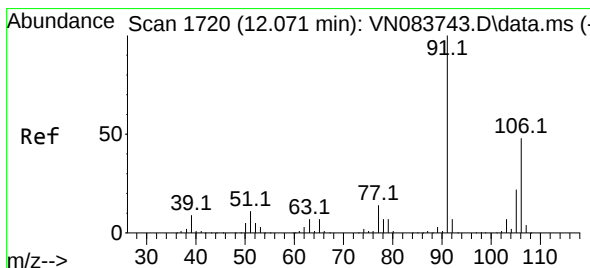
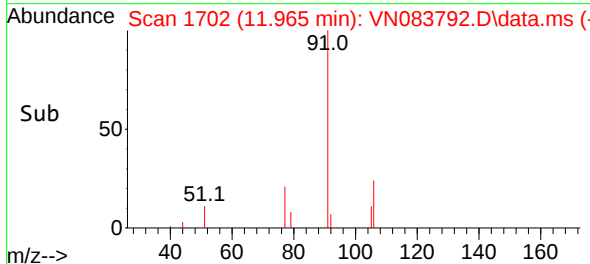
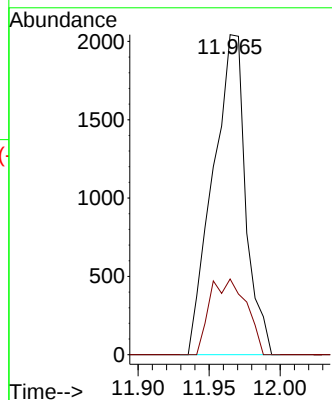
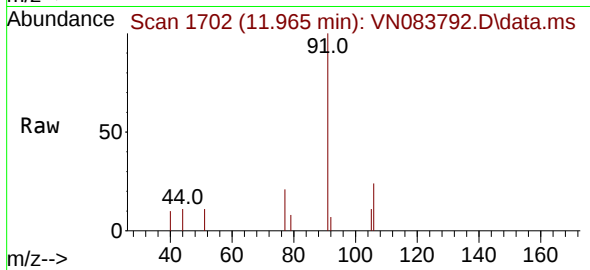




#67  
Ethyl Benzene  
Concen: 0.336 ug/l  
RT: 11.965 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

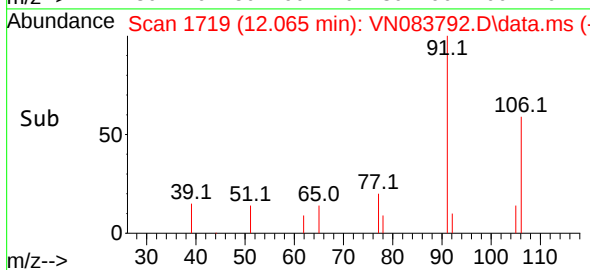
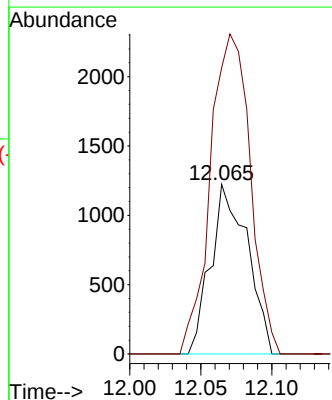
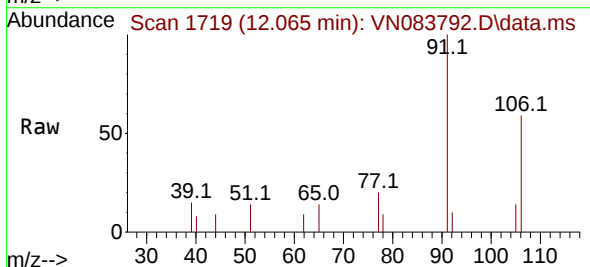
Instrument :  
MSVOA\_N  
ClientSampleId :

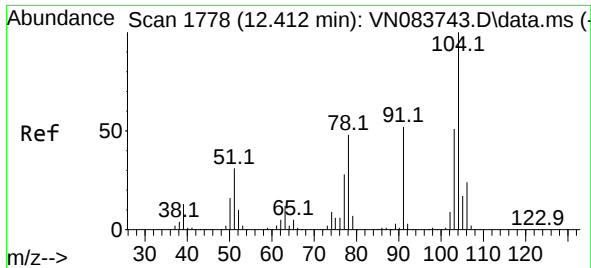
Tgt Ion: 91 Resp: 3282  
Ion Ratio Lower Upper  
91 100  
106 23.6 24.3 36.5#



#68  
m/p-Xylenes  
Concen: 0.609 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion:106 Resp: 2206  
Ion Ratio Lower Upper  
106 100  
91 204.7 169.2 253.8

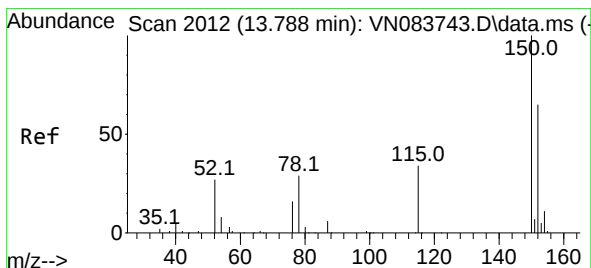
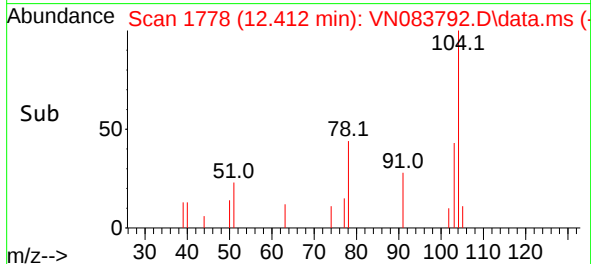
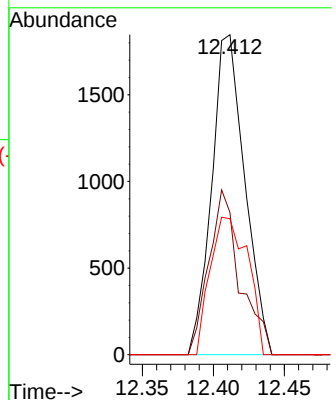
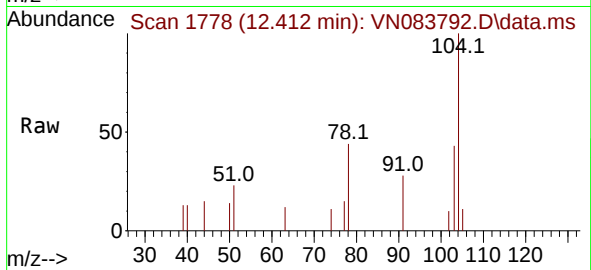




#70  
Styrene  
Concen: 0.521 ug/l  
RT: 12.412 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

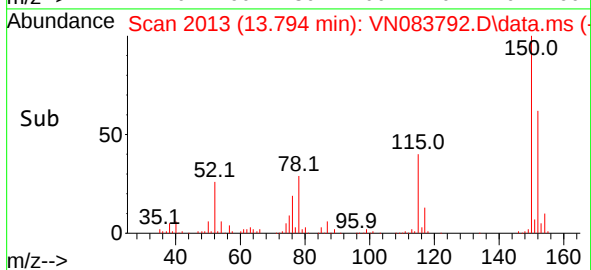
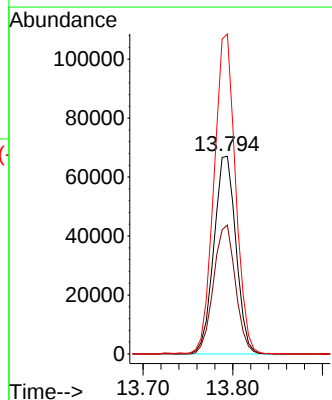
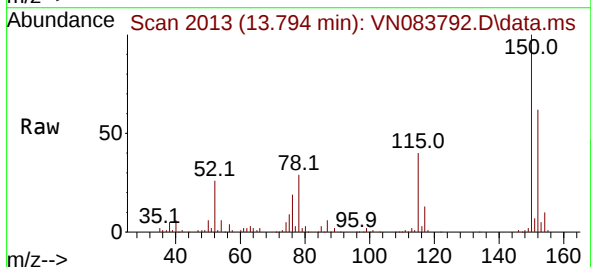
Instrument :  
MSVOA\_N  
ClientSampleId :

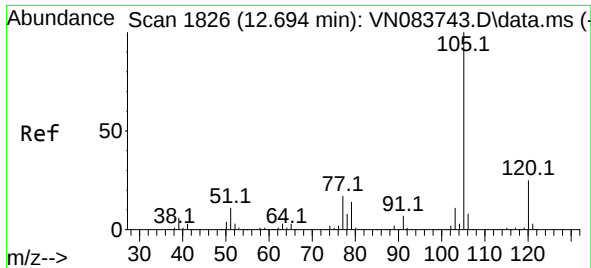
Tgt Ion:104 Resp: 2997  
Ion Ratio Lower Upper  
104 100  
78 48.8 43.3 64.9  
103 48.7 43.4 65.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion:152 Resp: 114439  
Ion Ratio Lower Upper  
152 100  
115 64.9 32.2 96.6  
150 158.1 0.0 348.6

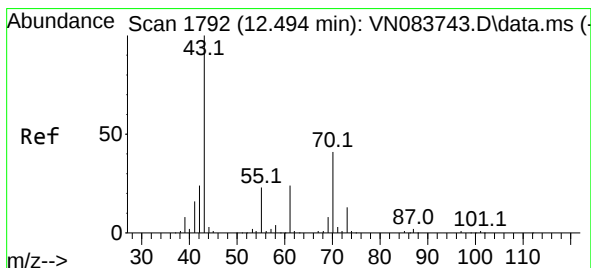
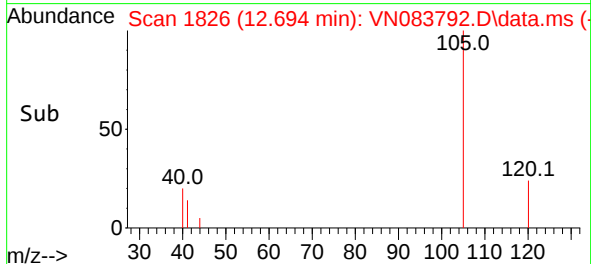
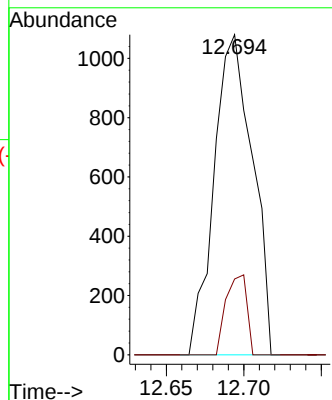
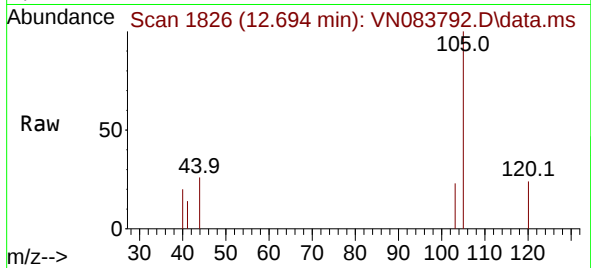




#73  
Isopropylbenzene  
Concen: 0.210 ug/l  
RT: 12.694 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

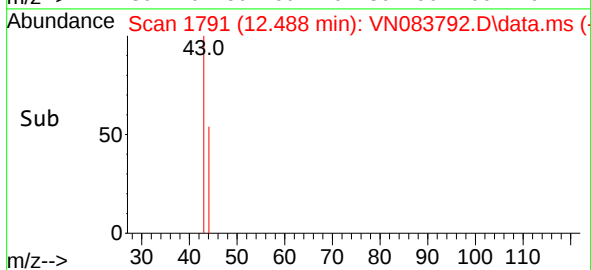
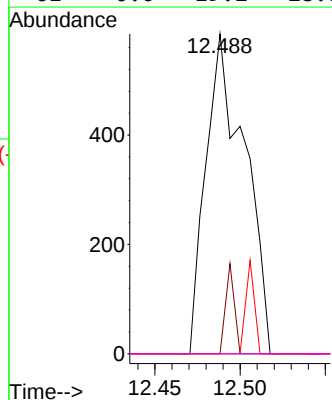
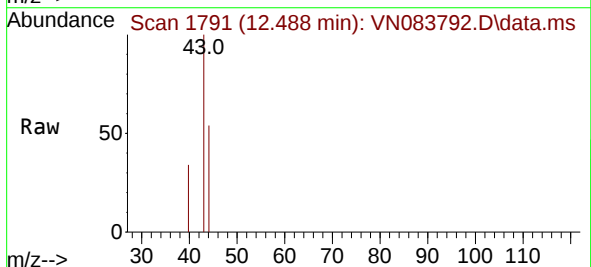
Instrument :  
MSVOA\_N  
ClientSampleId :

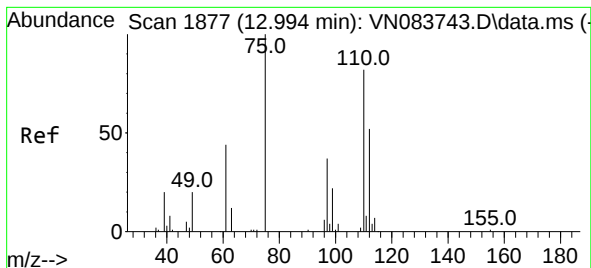
Tgt Ion:105 Resp: 1862  
Ion Ratio Lower Upper  
105 100  
120 13.5 12.6 37.8



#74  
N-ethyl acetate  
Concen: 0.245 ug/l  
RT: 12.488 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 43 Resp: 925  
Ion Ratio Lower Upper  
43 100  
70 6.3 34.5 51.7#  
55 6.5 18.6 28.0#  
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 27.516 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

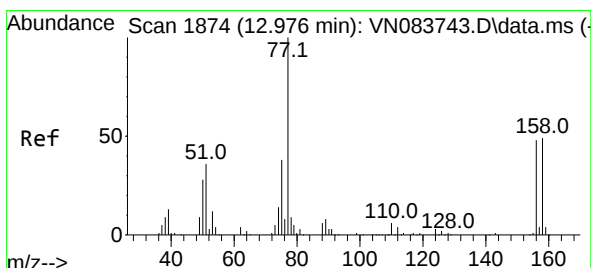
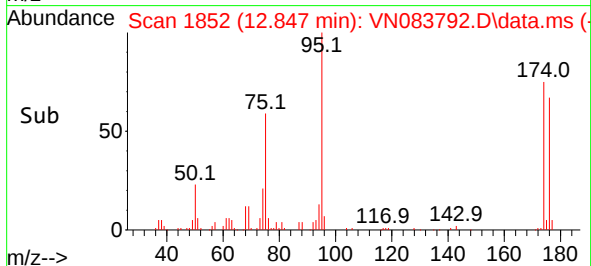
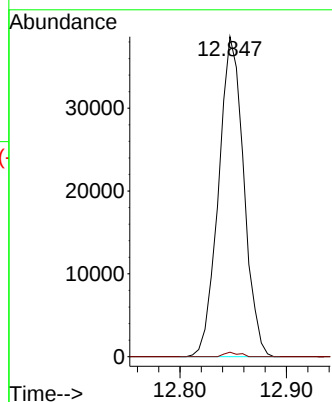
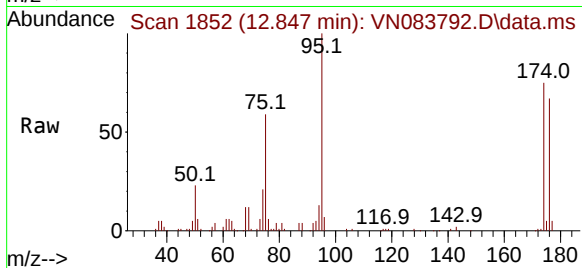
ClientSampleId :

Tgt Ion: 75 Resp: 63538

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#



#77

Bromobenzene

Concen: 0.711 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

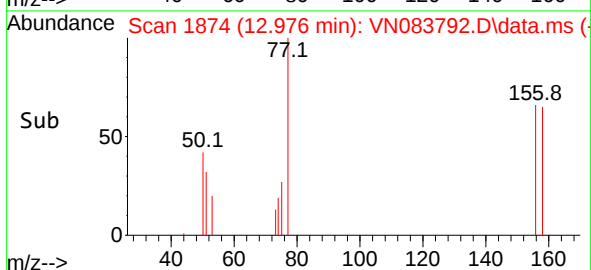
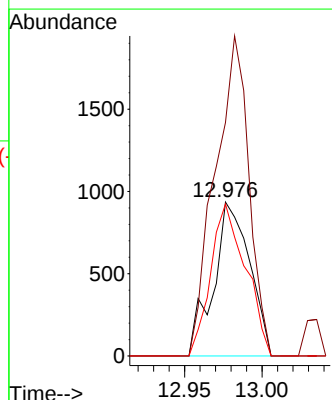
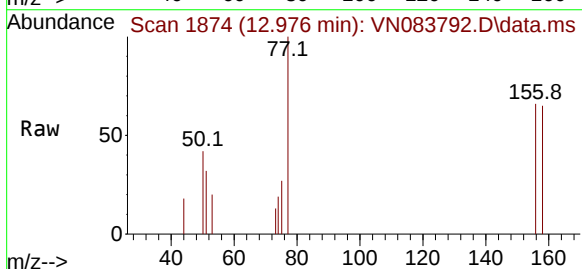
Tgt Ion:156 Resp: 1516

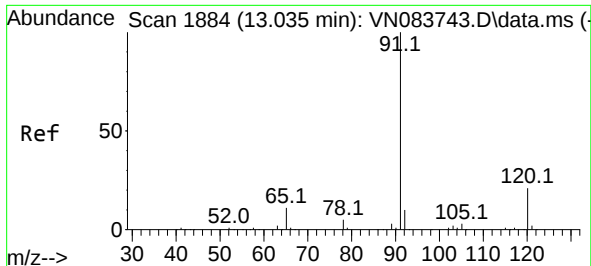
Ion Ratio Lower Upper

156 100

77 194.7 114.3 343.1

158 95.4 48.9 146.7

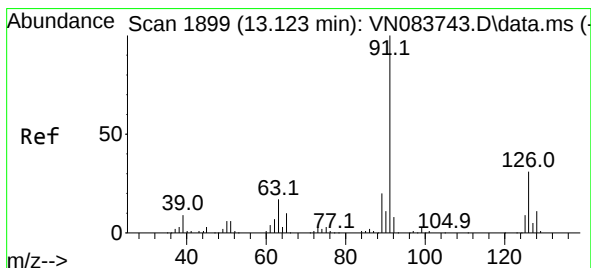
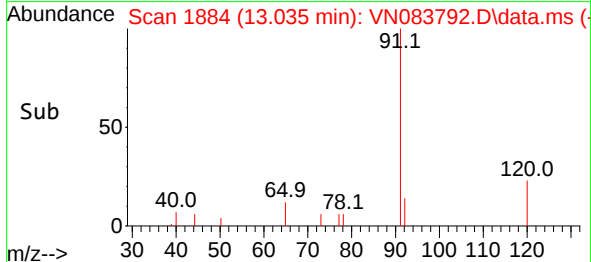
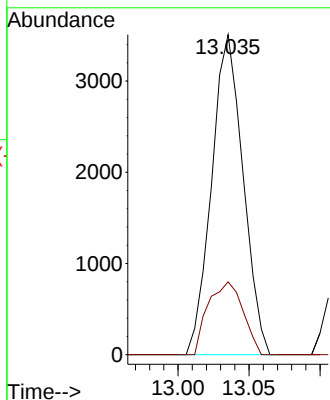
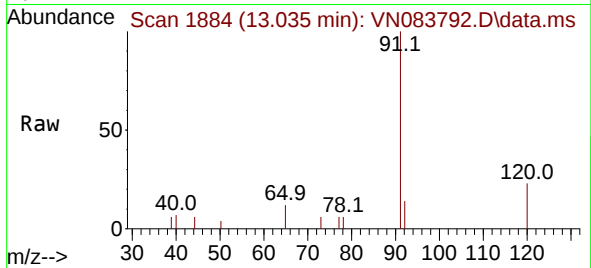




#78  
n-propylbenzene  
Concen: 0.524 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

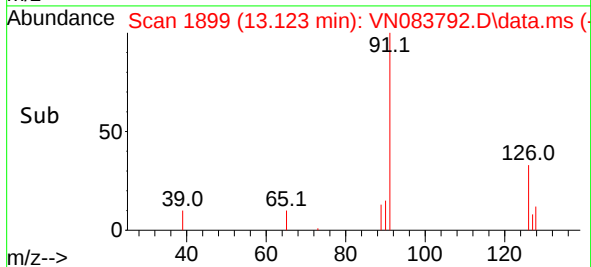
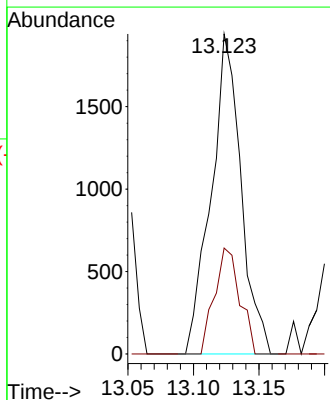
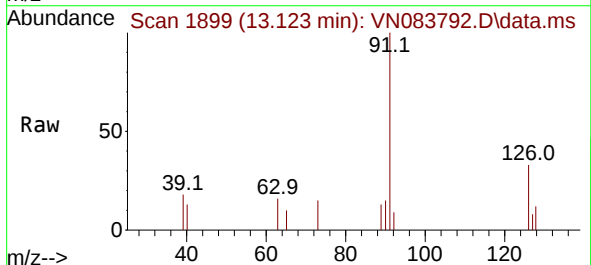
Instrument :  
MSVOA\_N  
ClientSampleId :

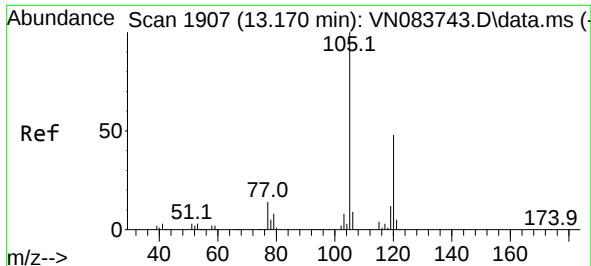
Tgt Ion: 91 Resp: 5402  
Ion Ratio Lower Upper  
91 100  
120 25.2 11.0 33.0



#79  
2-Chlorotoluene  
Concen: 0.467 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

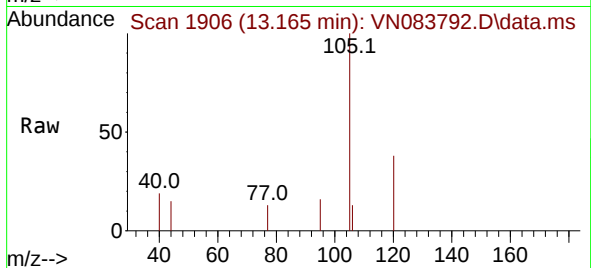
Tgt Ion: 91 Resp: 3070  
Ion Ratio Lower Upper  
91 100  
126 28.0 15.4 46.2



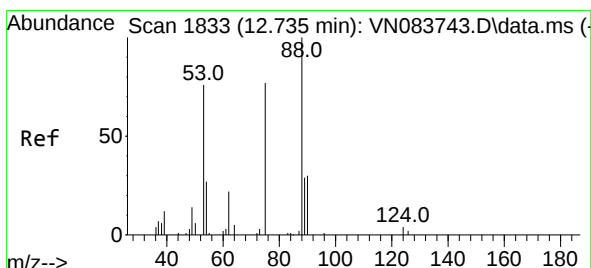
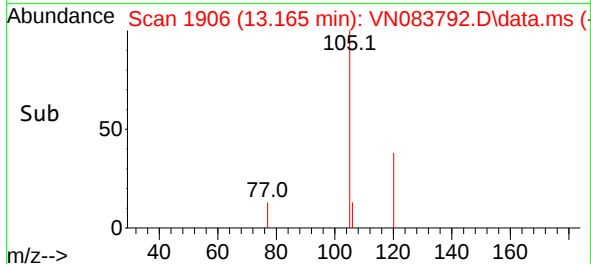
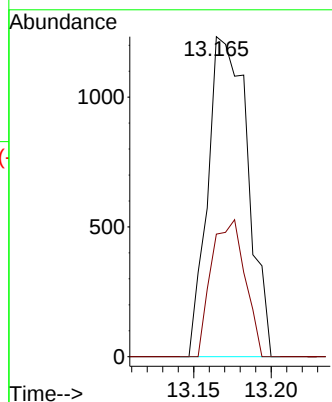


#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.295 ug/l  
 RT: 13.165 min Scan# 1906  
 Delta R.T. -0.006 min  
 Lab File: VN083792.D  
 Acq: 11 Sep 2024 13:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

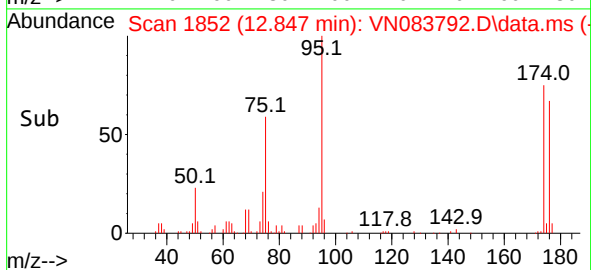
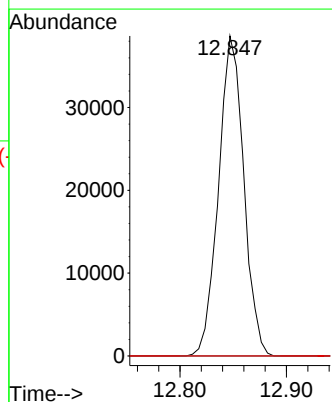
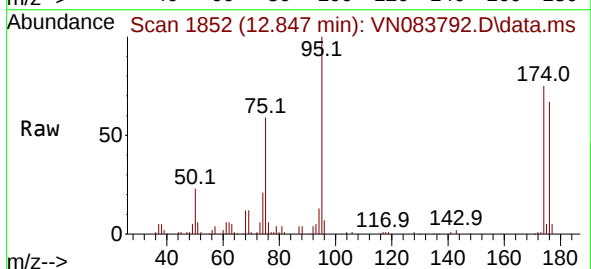


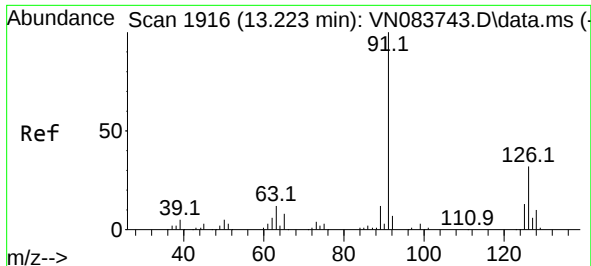
Tgt Ion:105 Resp: 2203  
 Ion Ratio Lower Upper  
 105 100  
 120 36.0 23.4 70.3



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 72.066 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.112 min  
 Lab File: VN083792.D  
 Acq: 11 Sep 2024 13:33

Tgt Ion: 75 Resp: 63538  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.2 121.8#  
 89 0.0 35.7 53.5#

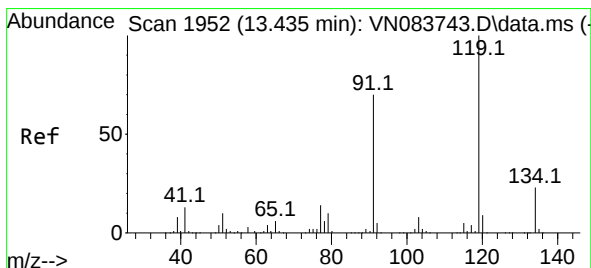
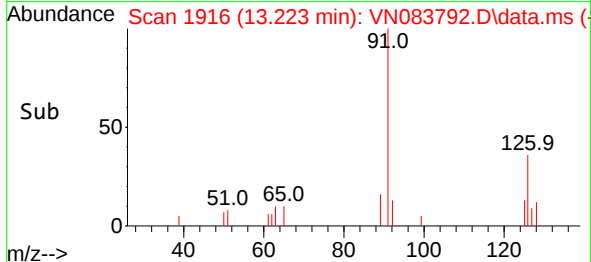
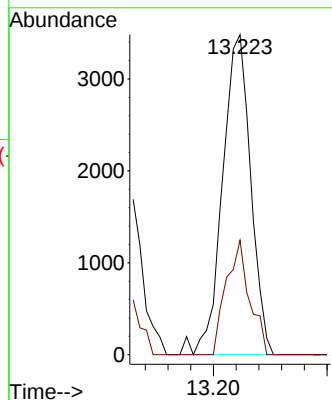
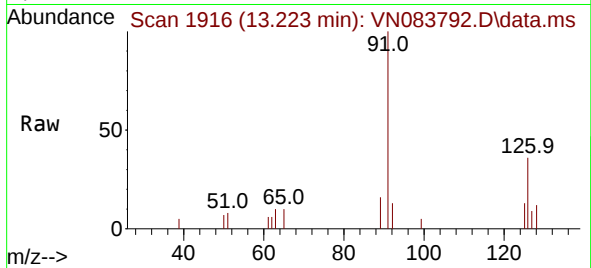




#82  
4-Chlorotoluene  
Concen: 0.912 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

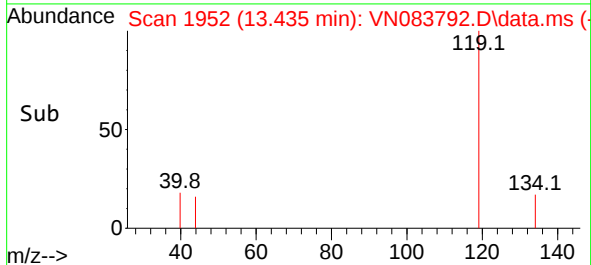
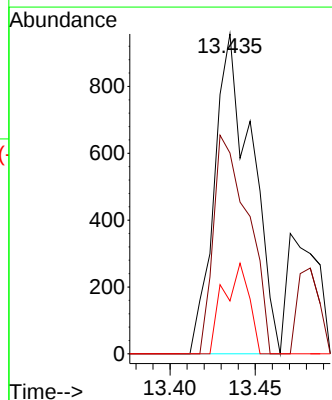
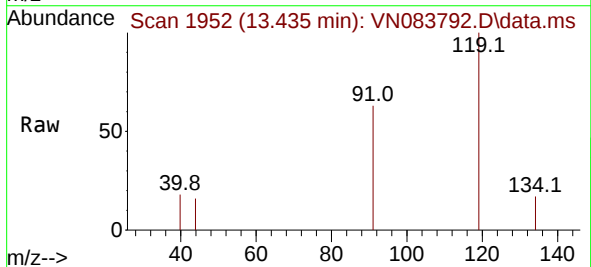
Instrument :  
MSVOA\_N  
ClientSampleId :

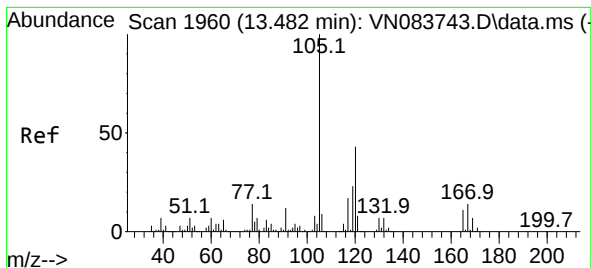
Tgt Ion: 91 Resp: 6012  
Ion Ratio Lower Upper  
91 100  
126 29.7 15.4 46.2



#83  
tert-Butylbenzene  
Concen: 0.223 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 119 Resp: 1457  
Ion Ratio Lower Upper  
119 100  
91 63.7 34.5 103.6  
134 19.4 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.343 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

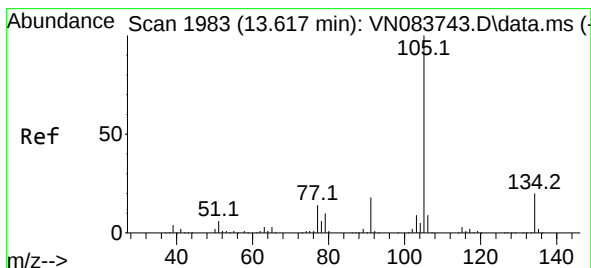
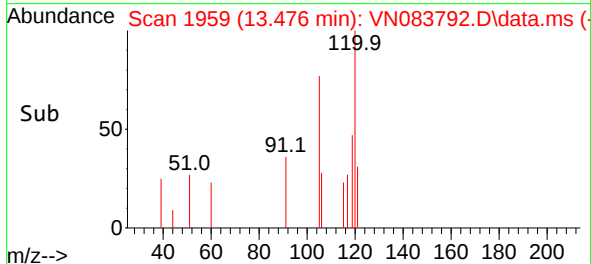
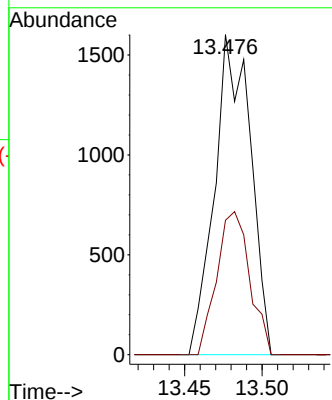
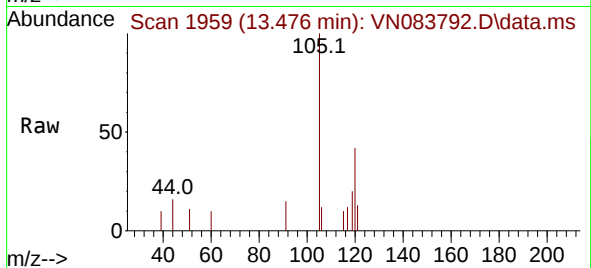
ClientSampleId :

Tgt Ion:105 Resp: 2573

Ion Ratio Lower Upper

105 100

120 41.2 21.8 65.4



#85

sec-Butylbenzene

Concen: 0.342 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN083792.D

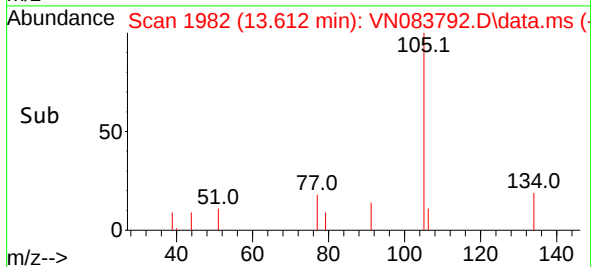
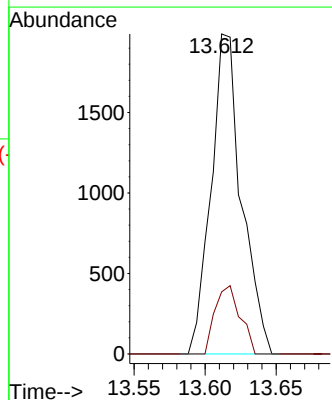
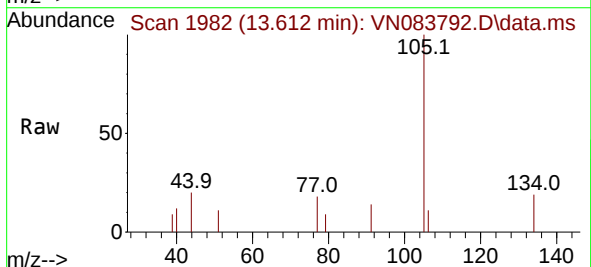
Acq: 11 Sep 2024 13:33

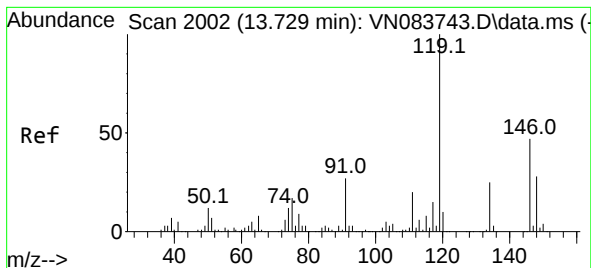
Tgt Ion:105 Resp: 2964

Ion Ratio Lower Upper

105 100

134 17.5 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.414 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

ClientSampleId :

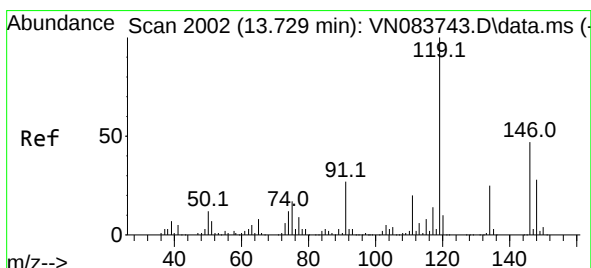
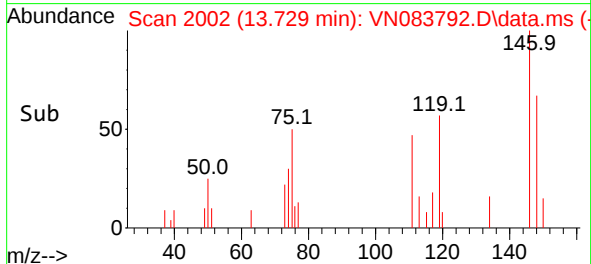
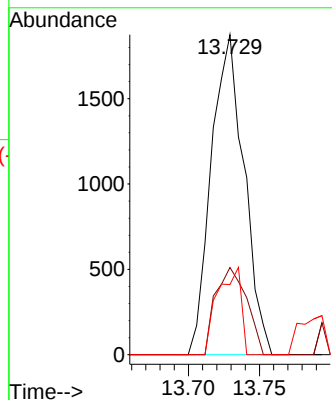
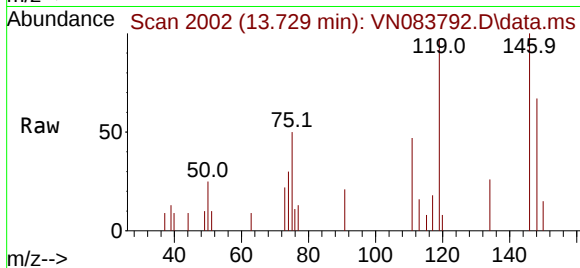
Tgt Ion:119 Resp: 3009

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 19.4 12.9 38.7



#87

1,3-Dichlorobenzene

Concen: 1.043 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

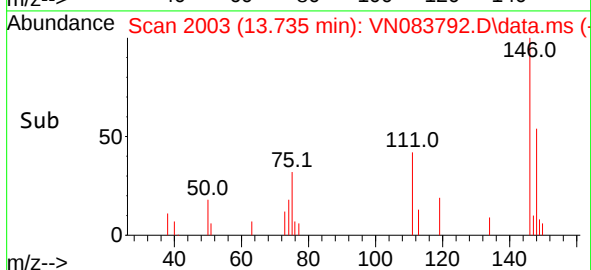
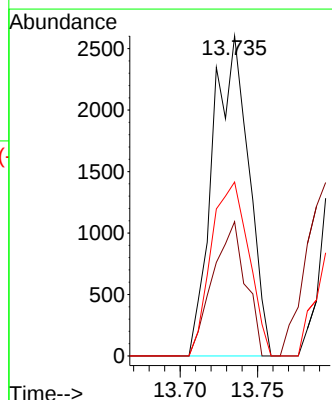
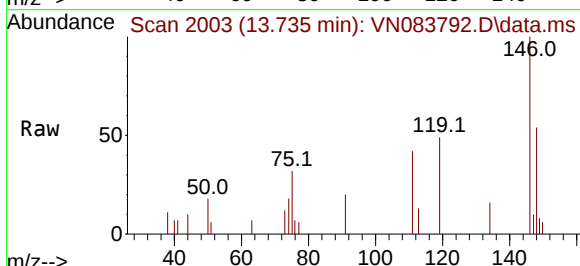
Tgt Ion:146 Resp: 4196

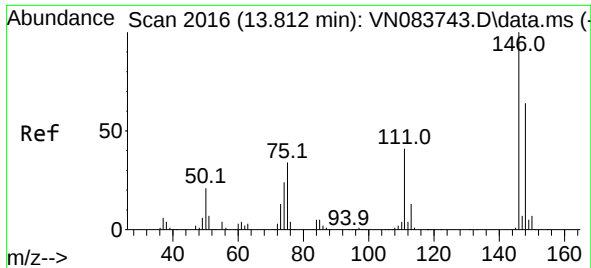
Ion Ratio Lower Upper

146 100

111 38.3 21.7 65.1

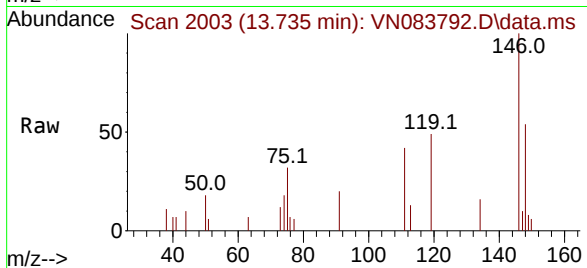
148 56.9 31.7 95.1



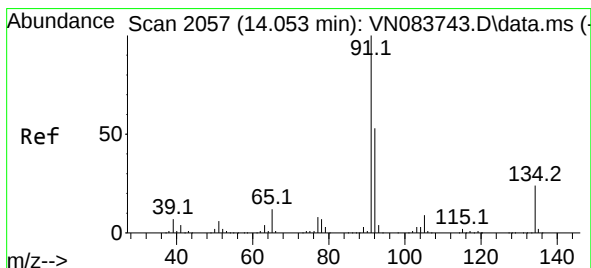
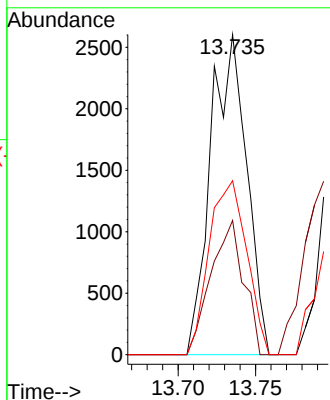
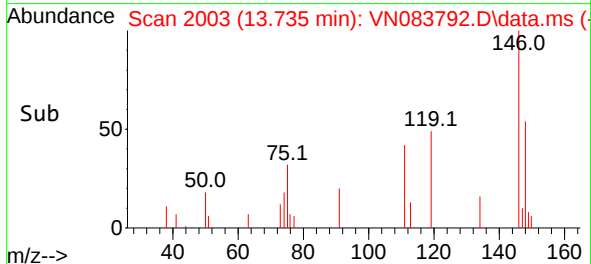


#88  
1,4-Dichlorobenzene  
Concen: 1.030 ug/l  
RT: 13.735 min Scan# 2016  
Delta R.T. -0.076 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Instrument :  
MSVOA\_N  
ClientSampleId :

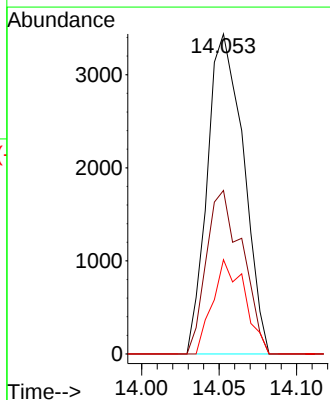
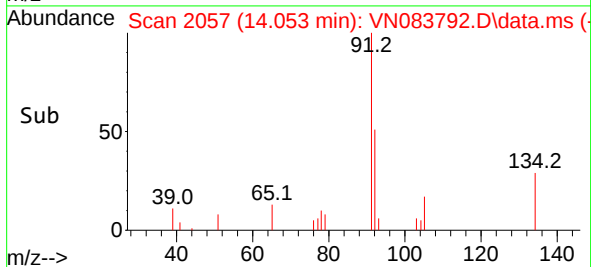
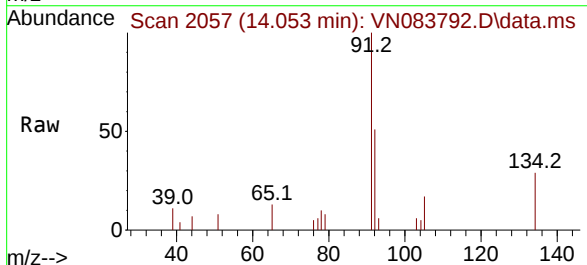


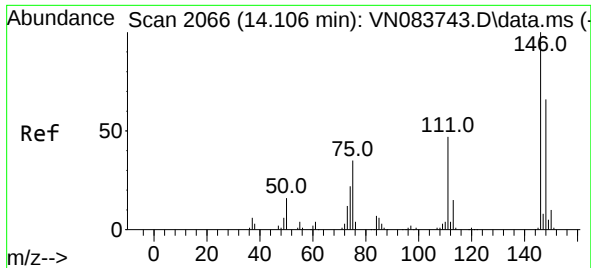
Tgt Ion:146 Resp: 4196  
Ion Ratio Lower Upper  
146 100  
111 38.3 21.3 64.0  
148 56.9 32.0 96.2



#89  
n-Butylbenzene  
Concen: 0.854 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

Tgt Ion: 91 Resp: 5570  
Ion Ratio Lower Upper  
91 100  
92 50.9 26.7 80.1  
134 26.3 12.2 36.4





#91

1,2-Dichlorobenzene

Concen: 0.717 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

ClientSampleId :

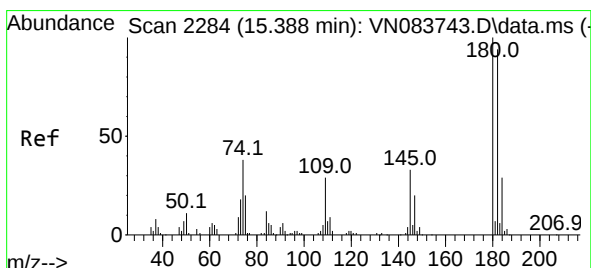
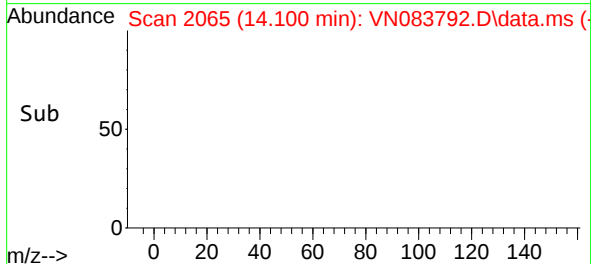
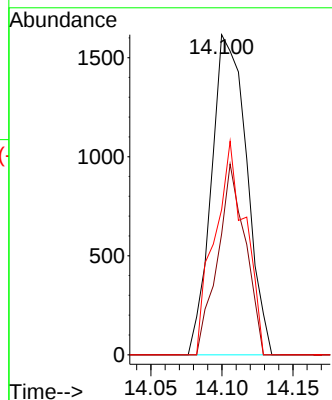
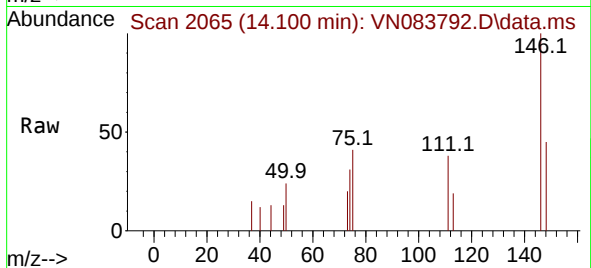
Tgt Ion:146 Resp: 2783

Ion Ratio Lower Upper

146 100

111 47.0 22.8 68.3

148 58.2 32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 1.643 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

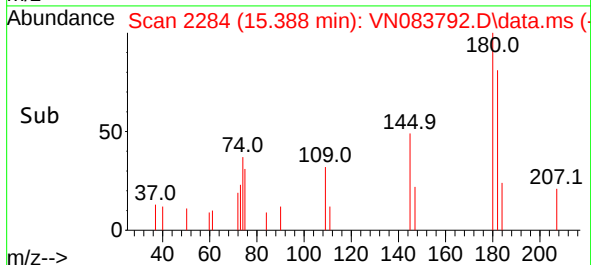
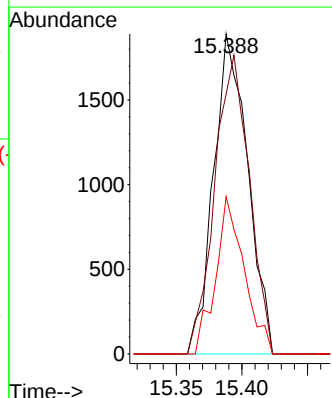
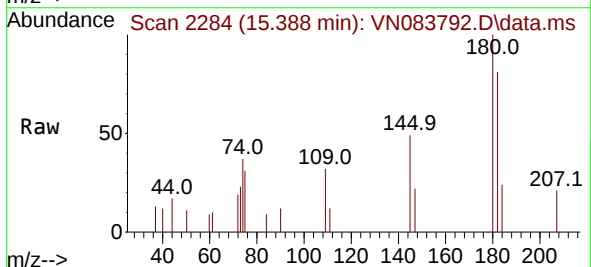
Tgt Ion:180 Resp: 3423

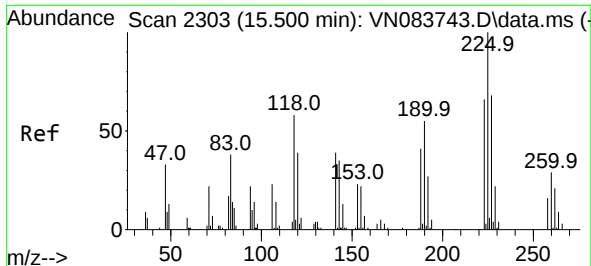
Ion Ratio Lower Upper

180 100

182 94.9 48.1 144.3

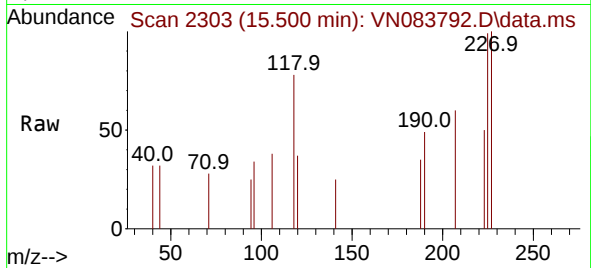
145 40.9 16.9 50.7



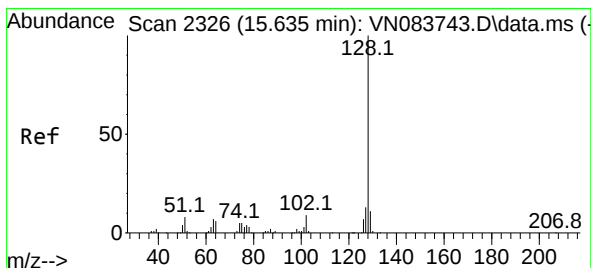
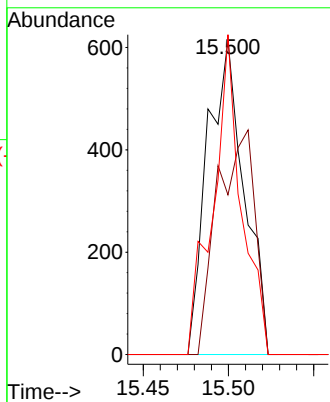
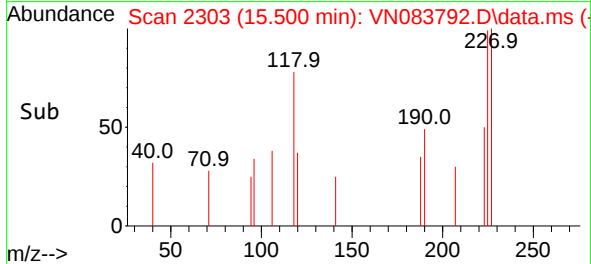


#94  
Hexachlorobutadiene  
Concen: 1.038 ug/l  
RT: 15.500 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33

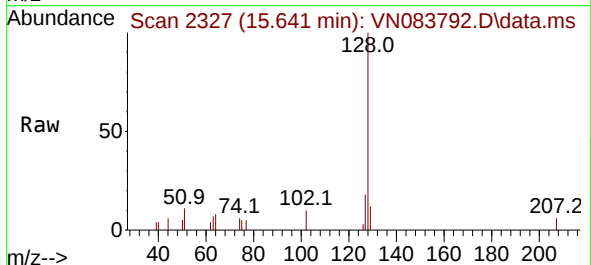
Instrument :  
MSVOA\_N  
ClientSampleId :



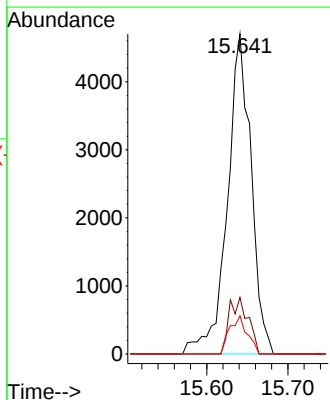
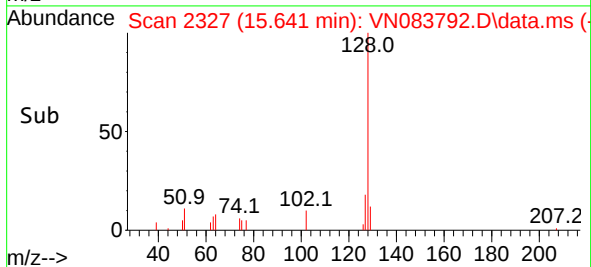
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 918   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 73.2  | 31.9  | 95.5  |
| 227      | 79.3  | 32.0  | 96.2  |

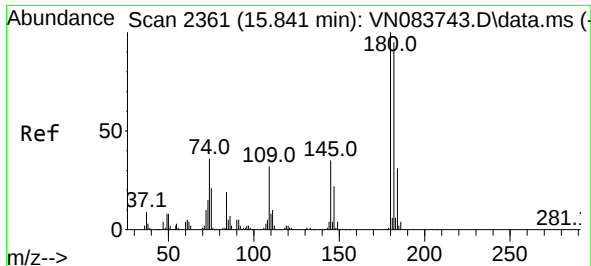


#95  
Naphthalene  
Concen: 1.509 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN083792.D  
Acq: 11 Sep 2024 13:33



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 9564  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.9  | 10.2  | 15.2  |
| 129      | 8.9   | 8.7   | 13.1  |





#96

1,2,3-Trichlorobenzene

Concen: 1.458 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

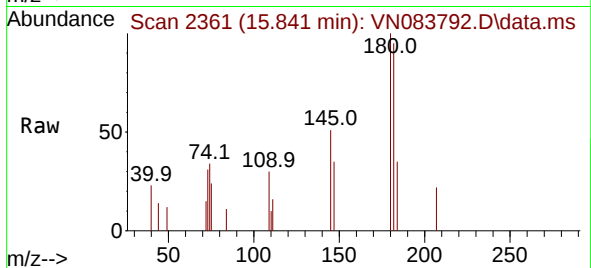
Lab File: VN083792.D

Acq: 11 Sep 2024 13:33

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion:180 Resp: 2902

Ion Ratio Lower Upper

180 100

182 104.3 47.1 141.4

145 38.0 17.8 53.5

