

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032625\  
 Data File : VN086132.D  
 Acq On : 26 Mar 2025 17:36  
 Operator : JC\MD  
 Sample : Q1643-06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 A4212

Quant Time: Mar 27 01:42:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 169519   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 313005   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 276344   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 120540   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 126123   | 54.333   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 108.660% |      |
| 35) Dibromofluoromethane    | 8.159  | 113   | 110009   | 50.353   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.700% |      |
| 50) Toluene-d8              | 10.565 | 98    | 373917   | 47.158   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.320%  |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 128200   | 45.336   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 90.680%  |      |

|                               |        |     |       |         |        |    |
|-------------------------------|--------|-----|-------|---------|--------|----|
| Target Compounds              |        |     |       | Qvalue  |        |    |
| 3) Chloromethane              | 2.365  | 50  | 644   | 0.327   | ug/l # | 87 |
| 5) Bromomethane               | 2.965  | 94  | 856   | 0.624   | ug/l # | 68 |
| 11) Tert butyl alcohol        | 5.524  | 59  | 865   | 2.632   | ug/l # | 73 |
| 13) Acrolein                  | 4.183  | 56  | 645   | 1.840   | ug/l # | 77 |
| 16) Acetone                   | 4.424  | 43  | 74521 | 105.081 | ug/l   | 94 |
| 17) Carbon Disulfide          | 4.718  | 76  | 2341  | 0.410   | ug/l # | 74 |
| 18) Methyl Acetate            | 5.024  | 43  | 806   | 0.459   | ug/l # | 45 |
| 20) Methylene Chloride        | 5.283  | 84  | 756   | 0.364   | ug/l # | 58 |
| 21) trans-1,2-Dichloroethene  | 5.783  | 96  | 705   | 0.371   | ug/l # | 76 |
| 25) 2-Butanone                | 7.483  | 43  | 4309  | 4.211   | ug/l   | 96 |
| 31) Cyclohexane               | 8.224  | 56  | 3593  | 1.242   | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 12946 | 4.500   | ug/l # | 48 |
| 37) Ethyl Acetate             | 7.483  | 43  | 4309  | 1.775   | ug/l # | 64 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 18209 | 4.814   | ug/l # | 18 |
| 43) Isopropyl Acetate         | 8.671  | 43  | 10902 | 2.073   | ug/l # | 50 |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43  | 1365  | 0.589   | ug/l # | 65 |
| 59) 2-Hexanone                | 11.188 | 43  | 876   | 0.518   | ug/l   | 70 |
| 68) m/p-Xylenes               | 12.059 | 106 | 1586  | 0.399   | ug/l   | 99 |
| 69) o-Xylene                  | 12.394 | 106 | 907   | 0.249   | ug/l   | 97 |
| 71) Bromoform                 | 12.841 | 173 | 498   | 0.253   | ug/l # | 1  |
| 73) Isopropylbenzene          | 12.694 | 105 | 1996  | 0.242   | ug/l   | 93 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 63641 | 23.582  | ug/l # | 1  |
| 77) Bromobenzene              | 12.982 | 156 | 514   | 0.224   | ug/l # | 26 |
| 78) n-propylbenzene           | 13.035 | 91  | 4988  | 0.535   | ug/l   | 95 |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105 | 1479  | 0.213   | ug/l   | 95 |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 63641 | 62.348  | ug/l # | 16 |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105 | 2403  | 0.343   | ug/l   | 88 |
| 85) sec-Butylbenzene          | 13.612 | 105 | 4270  | 0.551   | ug/l   | 91 |
| 86) p-Isopropyltoluene        | 13.729 | 119 | 1819  | 0.277   | ug/l   | 93 |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146 | 992   | 0.240   | ug/l   | 88 |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146 | 992   | 0.228   | ug/l   | 89 |
| 89) n-Butylbenzene            | 14.059 | 91  | 3849  | 0.720   | ug/l   | 92 |
| 90) Hexachloroethane          | 14.323 | 117 | 1701  | 1.123   | ug/l # | 10 |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146 | 969   | 0.236   | ug/l   | 84 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.923 | 75  | 121   | 0.218   | ug/l # | 2  |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180 | 2047  | 0.990   | ug/l # | 85 |

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Operator : JC\MD  
Sample : Q1643-06  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

Quant Time: Mar 27 01:42:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
Response via : Initial Calibration

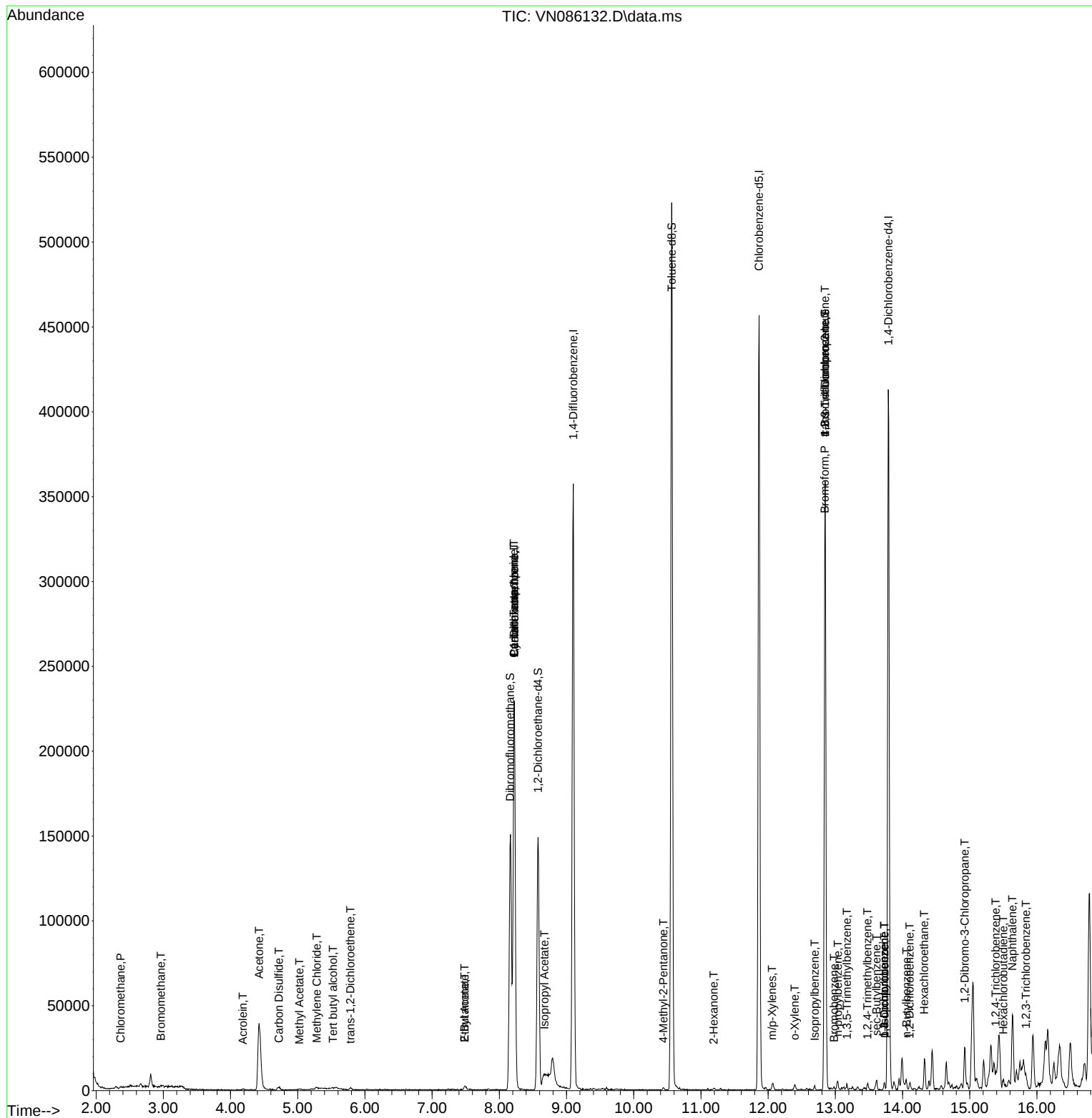
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 94) Hexachlorobutadiene    | 15.500 | 225  | 1221     | 1.018 | ug/l   | 99       |
| 95) Naphthalene            | 15.635 | 128  | 42211    | 7.049 | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.835 | 180  | 2612     | 1.331 | ug/l # | 78       |

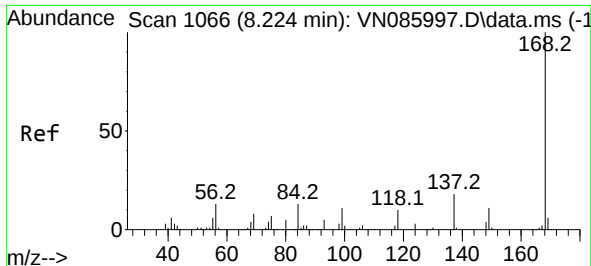
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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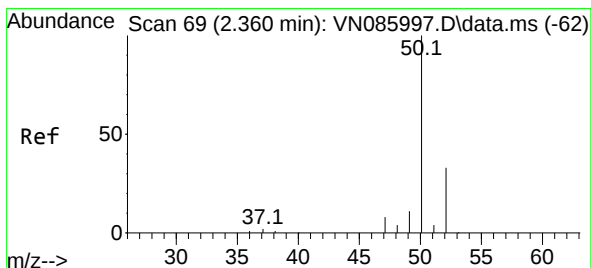
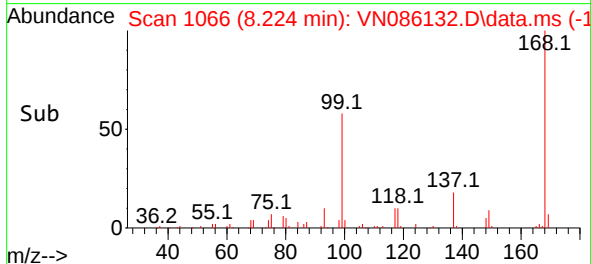
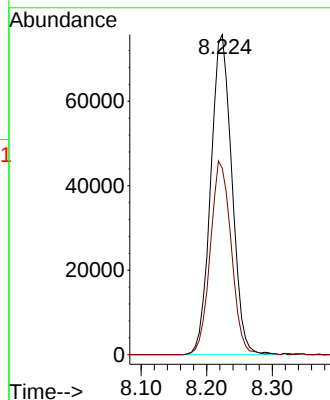
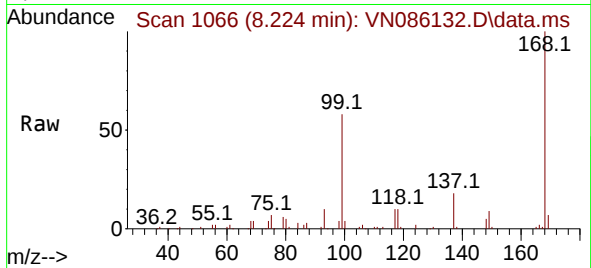




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

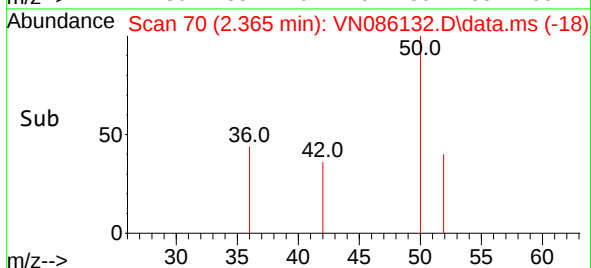
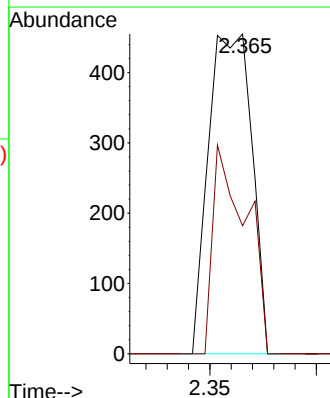
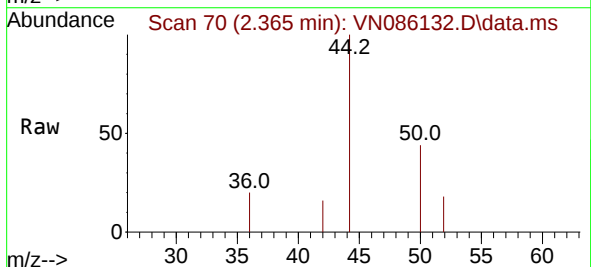
Instrument :  
MSVOA\_N  
ClientSampleId :  
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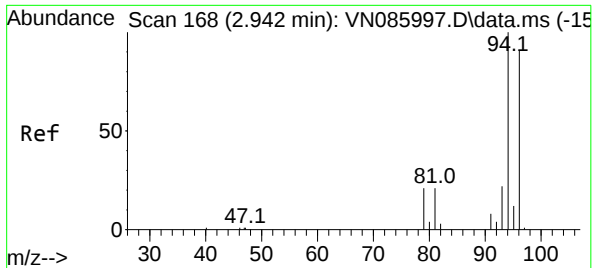
Tgt Ion:168 Resp: 169519  
Ion Ratio Lower Upper  
168 100  
99 58.2 49.4 74.2



#3  
Chloromethane  
Concen: 0.327 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 50 Resp: 644  
Ion Ratio Lower Upper  
50 100  
52 40.0 26.0 39.0#

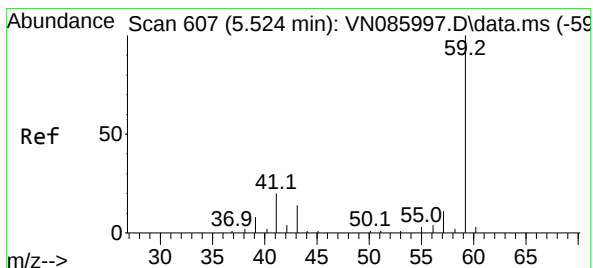
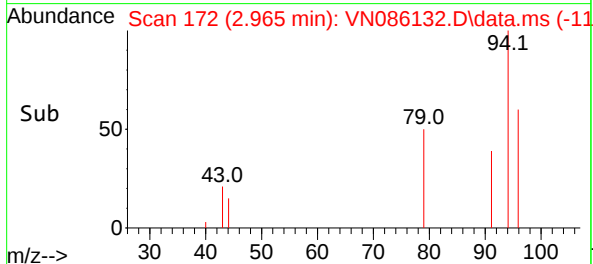
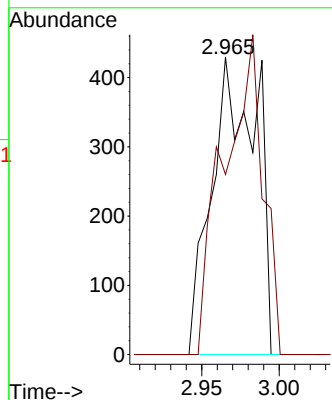
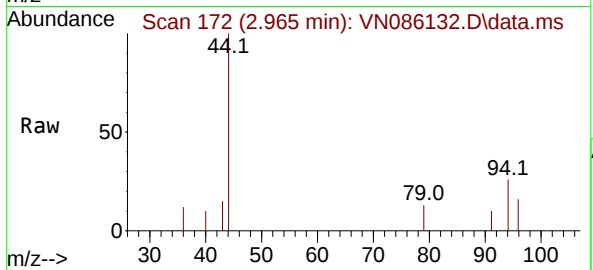




#5  
Bromomethane  
Concen: 0.624 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

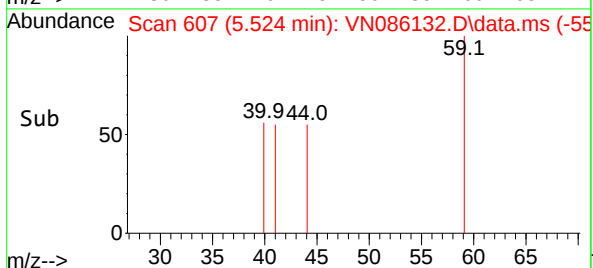
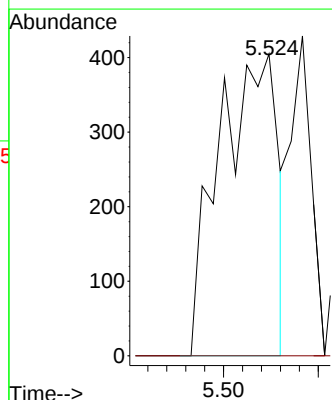
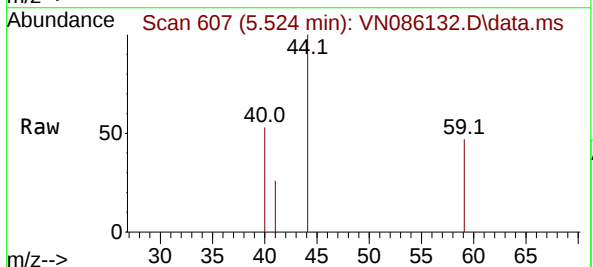
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

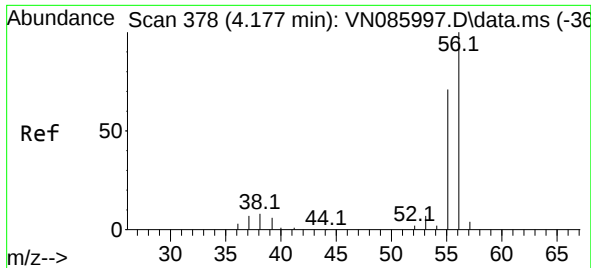
Tgt Ion: 94 Resp: 856  
Ion Ratio Lower Upper  
94 100  
96 60.5 72.8 109.2#



#11  
Tert butyl alcohol  
Concen: 2.632 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 59 Resp: 865  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.9 11.9#

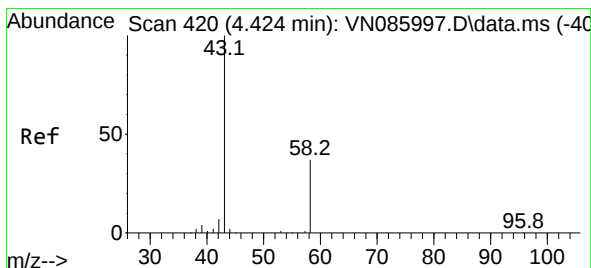
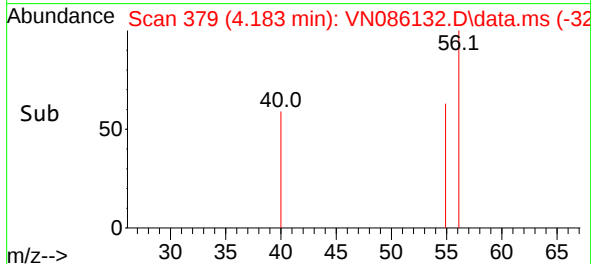
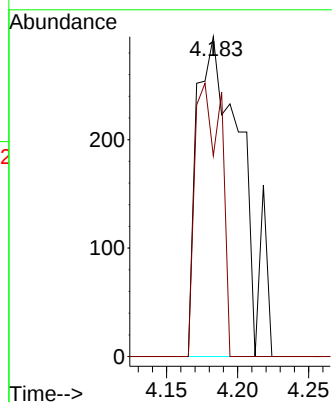
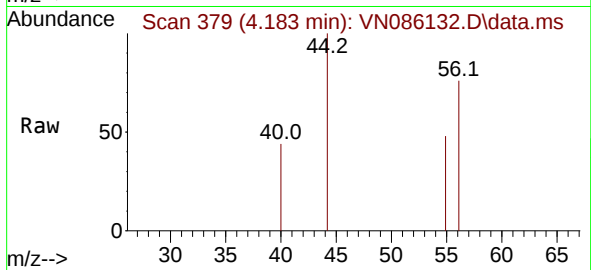




#13  
Acrolein  
Concen: 1.840 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

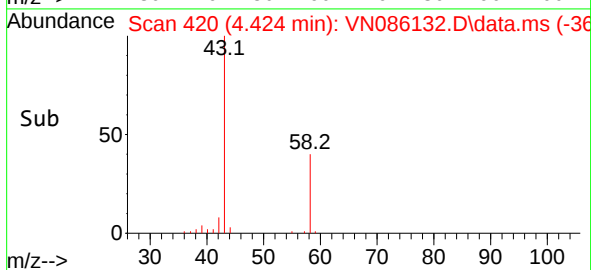
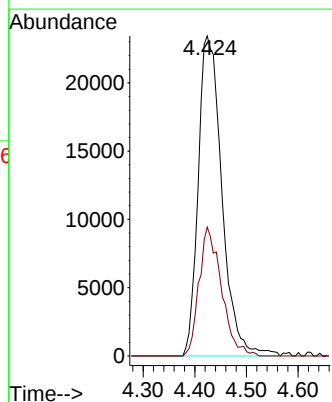
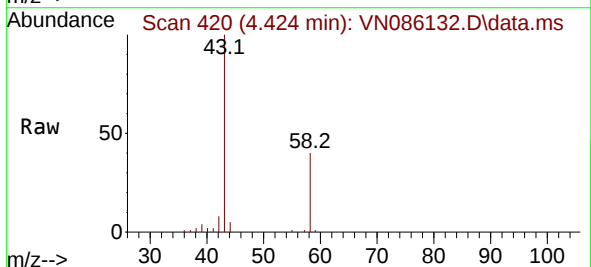
Instrument :  
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ClientSampleId :  
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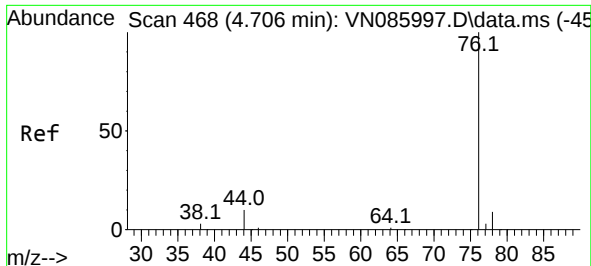
Tgt Ion: 56 Resp: 645  
Ion Ratio Lower Upper  
56 100  
55 49.9 55.1 82.7#



#16  
Acetone  
Concen: 105.081 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 43 Resp: 74521  
Ion Ratio Lower Upper  
43 100  
58 40.2 29.4 44.2

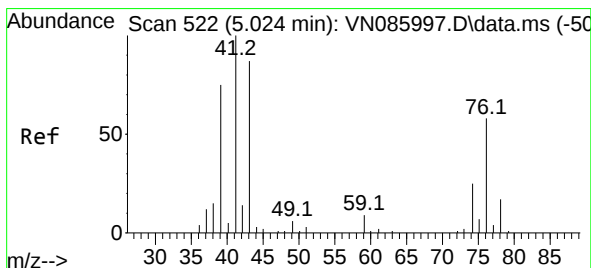
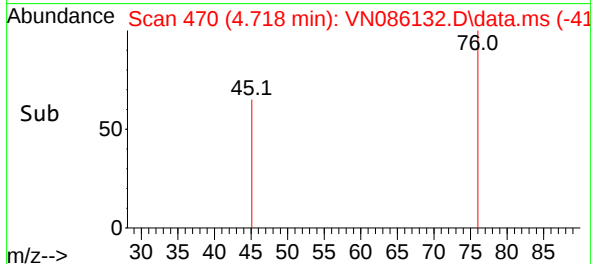
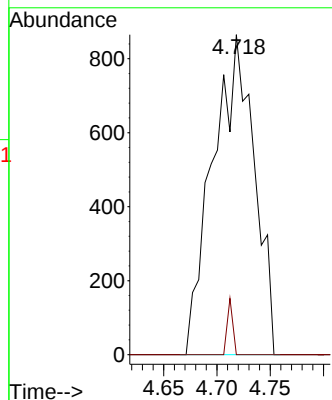
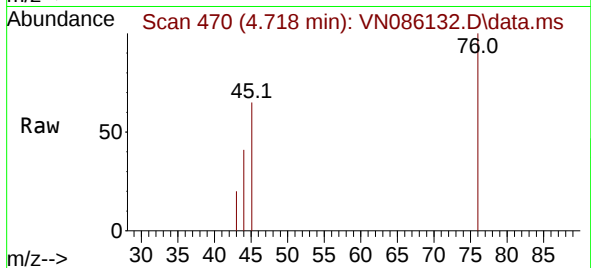




#17  
Carbon Disulfide  
Concen: 0.410 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

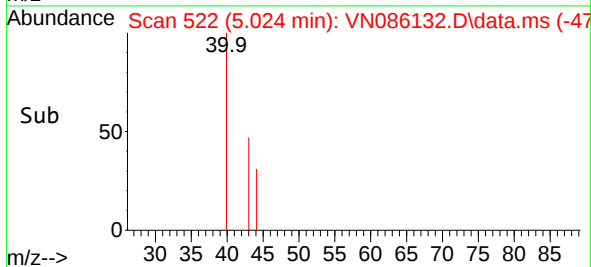
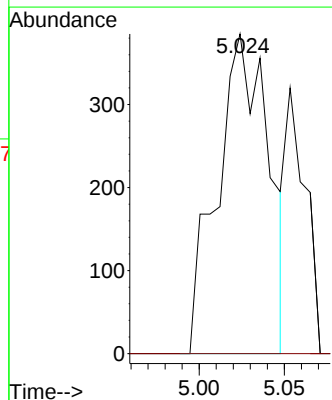
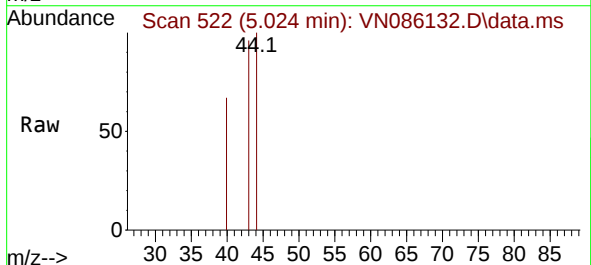
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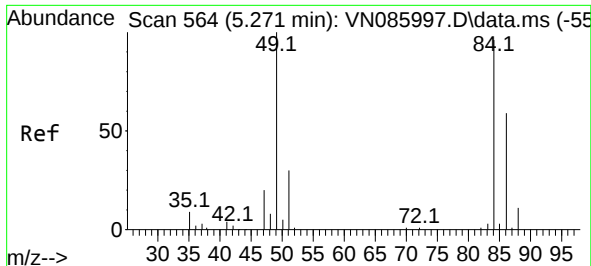
Tgt Ion: 76 Resp: 2341  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.2#



#18  
Methyl Acetate  
Concen: 0.459 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 43 Resp: 806  
Ion Ratio Lower Upper  
43 100  
74 0.0 23.9 35.9#

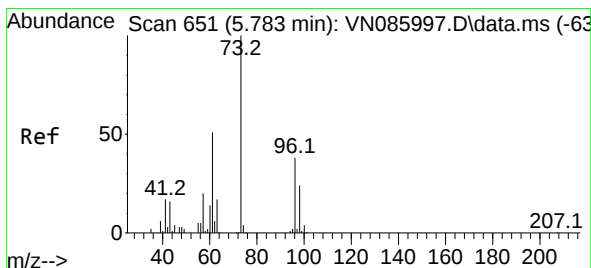
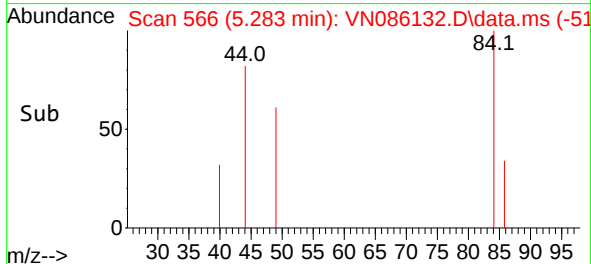
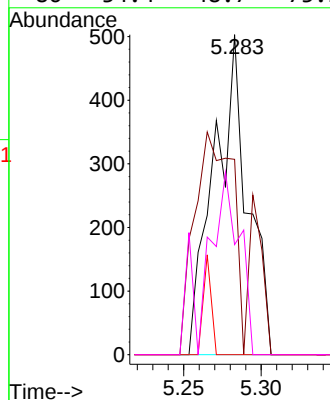
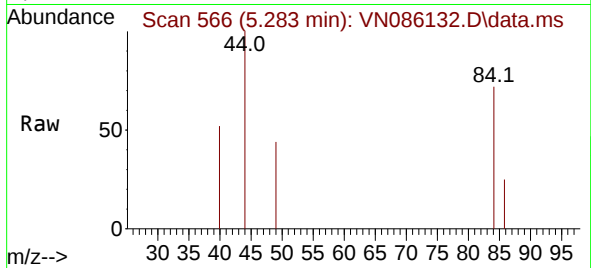




#20  
Methylene Chloride  
Concen: 0.364 ug/l  
RT: 5.283 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

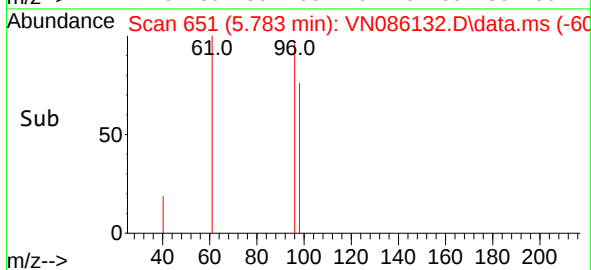
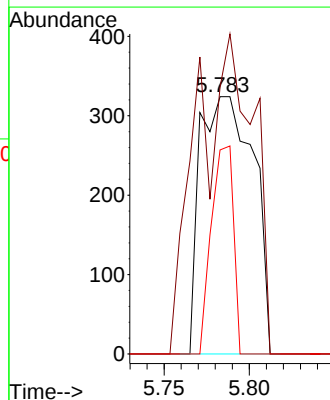
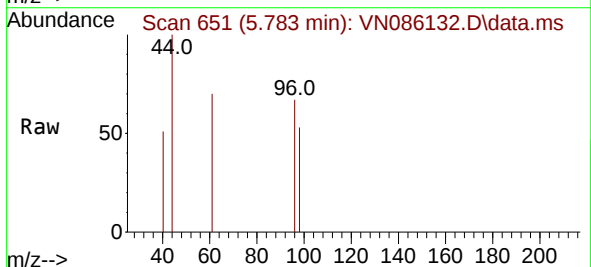
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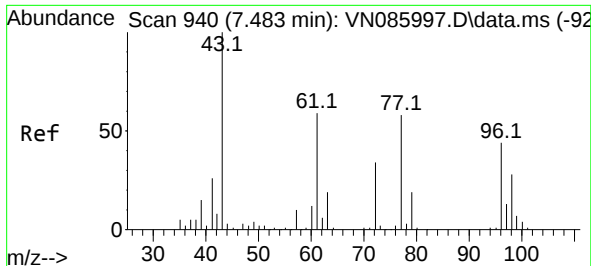
Tgt Ion: 84 Resp: 756  
Ion Ratio Lower Upper  
84 100  
49 61.0 83.3 124.9#  
51 0.0 24.8 37.2#  
86 34.4 48.7 73.1#



#21  
trans-1,2-Dichloroethene  
Concen: 0.371 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 96 Resp: 705  
Ion Ratio Lower Upper  
96 100  
61 103.7 106.6 160.0#  
98 79.3 50.0 75.0#

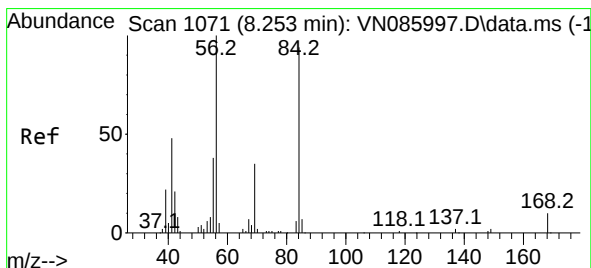
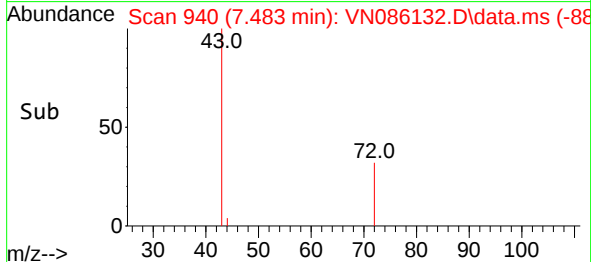
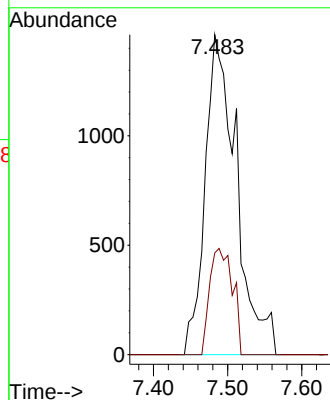
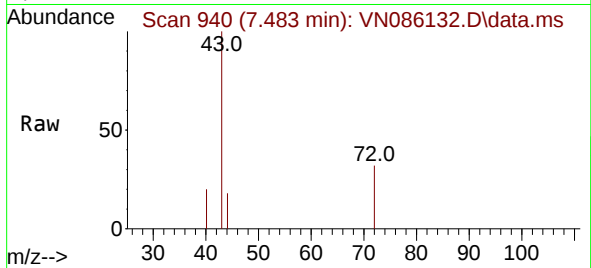




#25  
2-Butanone  
Concen: 4.211 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

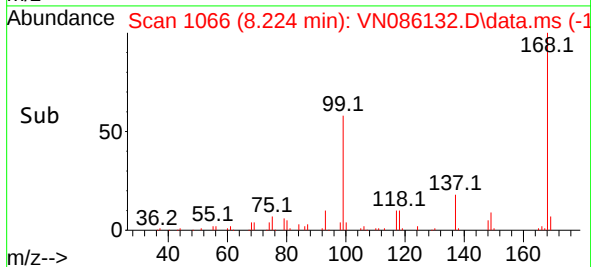
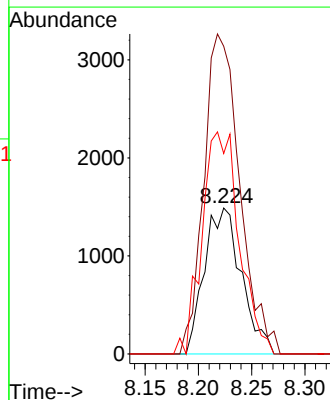
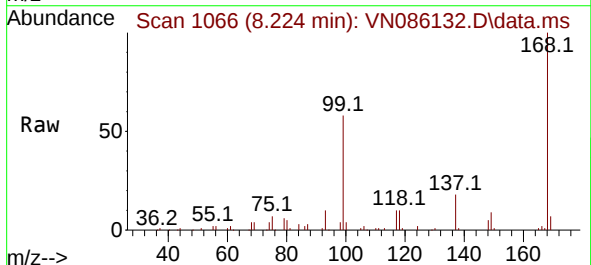
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

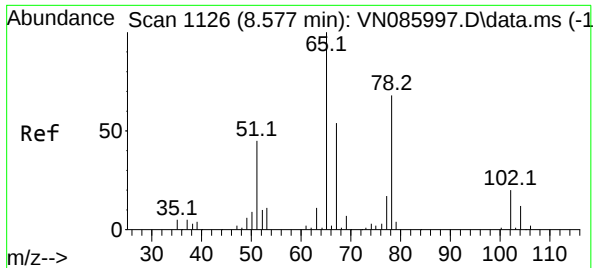
Tgt Ion: 43 Resp: 4309  
Ion Ratio Lower Upper  
43 100  
72 31.8 27.4 41.0



#31  
Cyclohexane  
Concen: 1.242 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 56 Resp: 3593  
Ion Ratio Lower Upper  
56 100  
69 210.7 28.0 42.0#  
84 137.3 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 54.333 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Instrument :

MSVOA\_N

ClientSampleId :

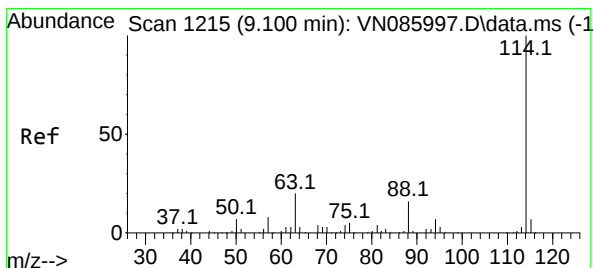
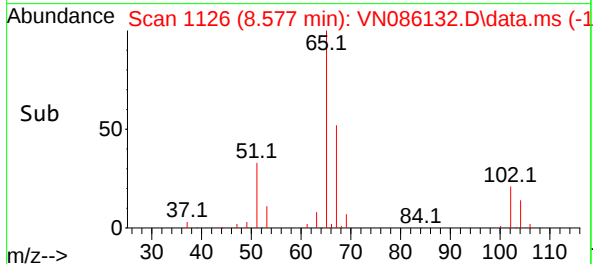
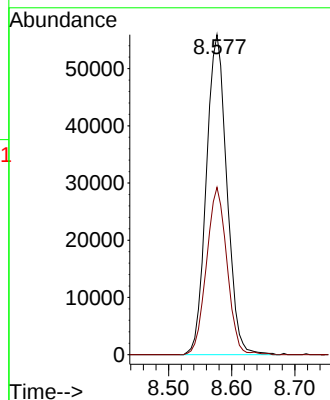
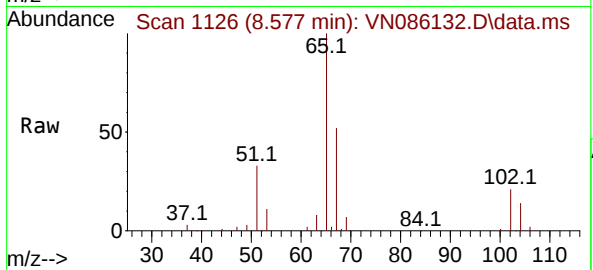
A4212

Tgt Ion: 65 Resp: 126123

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

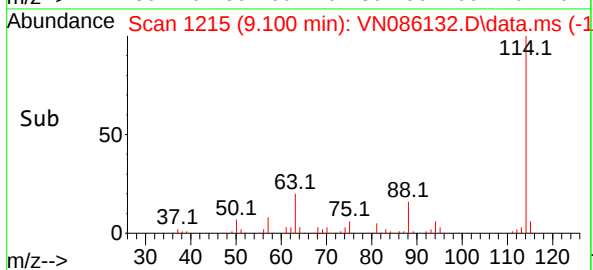
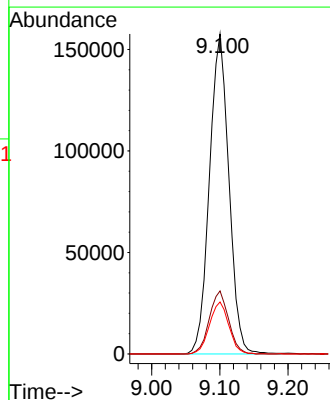
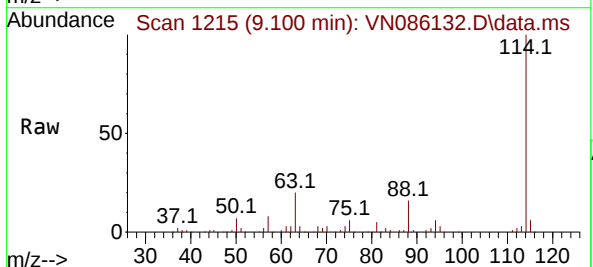
Tgt Ion: 114 Resp: 313005

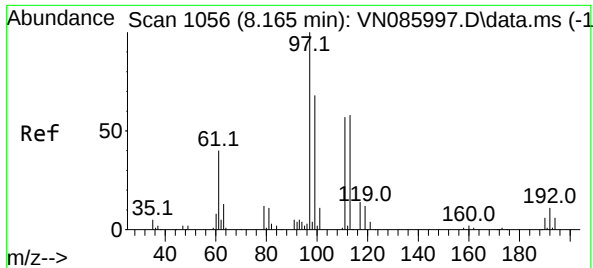
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

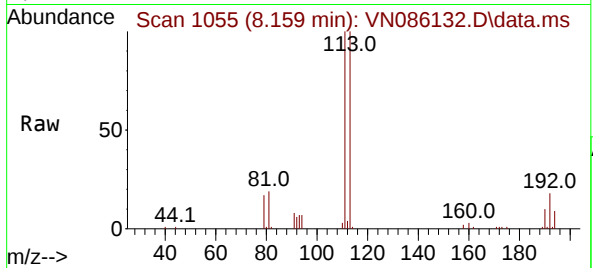
88 16.2 0.0 32.6



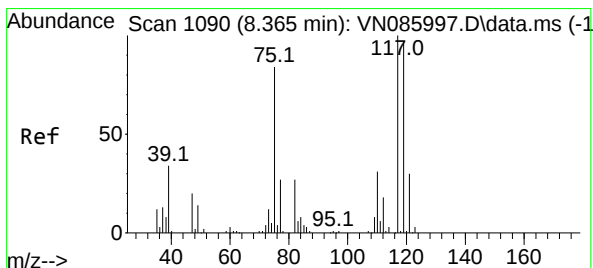
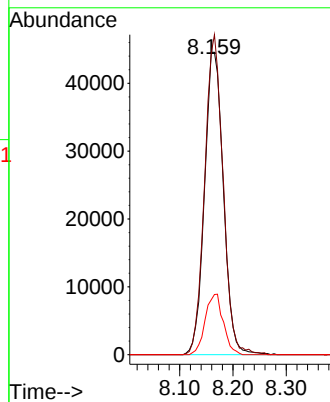
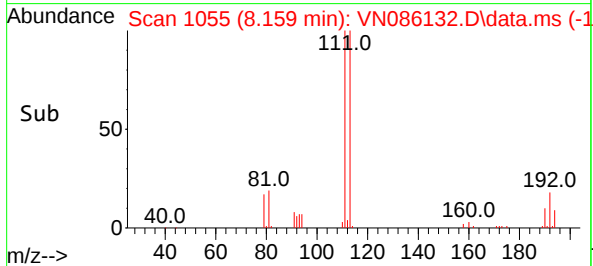


#35  
Dibromofluoromethane  
Concen: 50.353 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

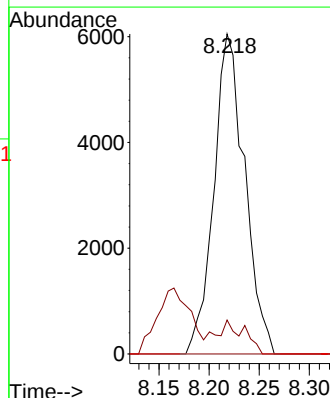
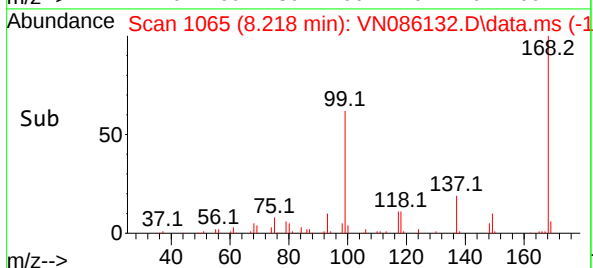
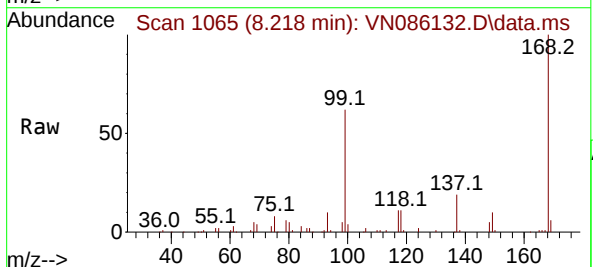


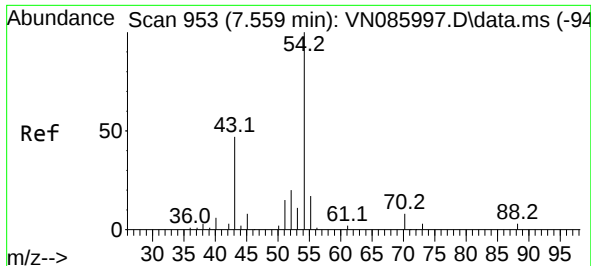
Tgt Ion:113 Resp: 110009  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.8 122.8  
192 19.1 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.500 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.147 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 75 Resp: 12946  
Ion Ratio Lower Upper  
75 100  
110 7.6 17.8 53.3#  
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.775 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.077 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Instrument :

MSVOA\_N

ClientSampleId :

A4212

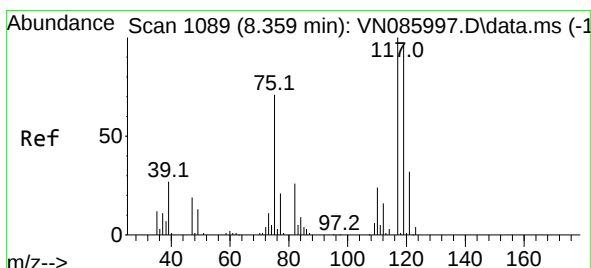
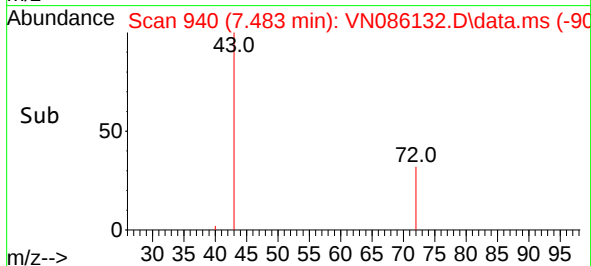
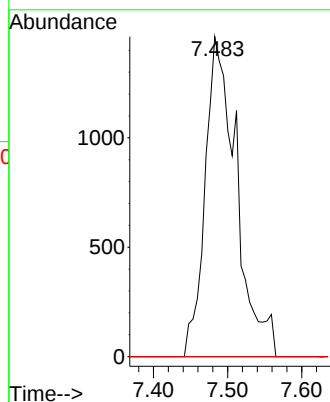
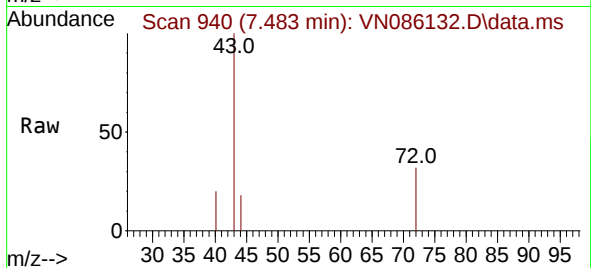
Tgt Ion: 43 Resp: 4309

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.814 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

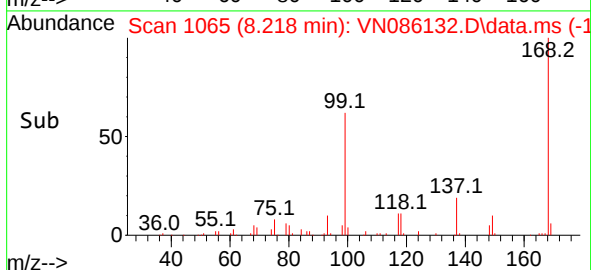
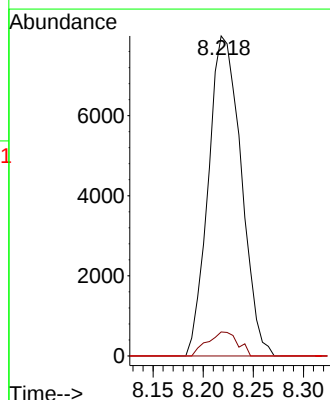
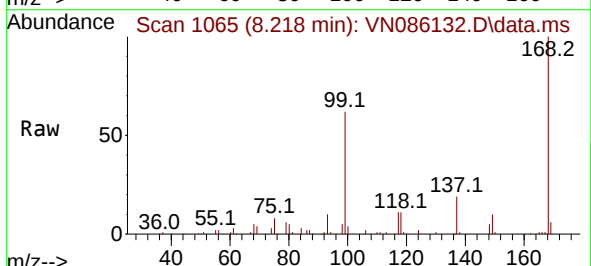
Tgt Ion: 117 Resp: 18209

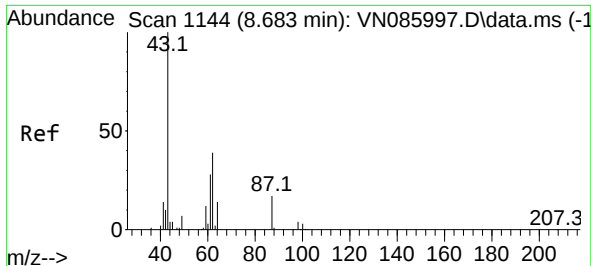
Ion Ratio Lower Upper

117 100

119 7.5 77.0 115.4#

121 0.0 25.6 38.4#

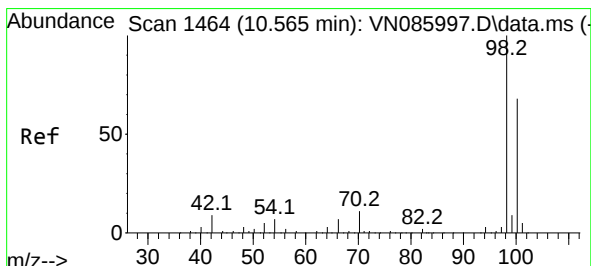
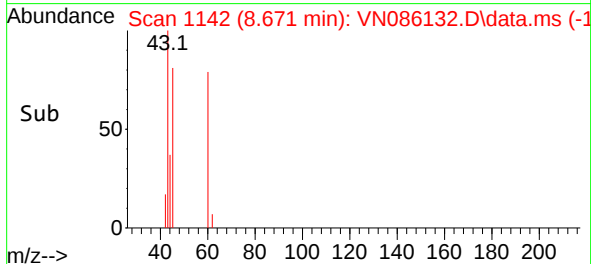
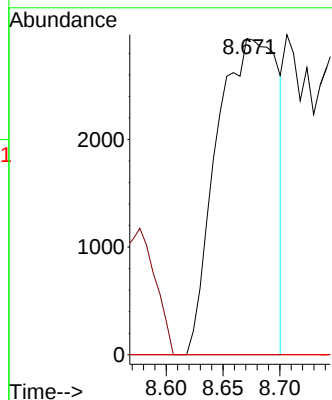
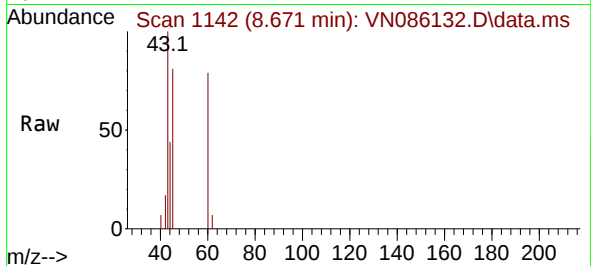




#43  
Isopropyl Acetate  
Concen: 2.073 ug/l  
RT: 8.671 min Scan# 1144  
Delta R.T. -0.012 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

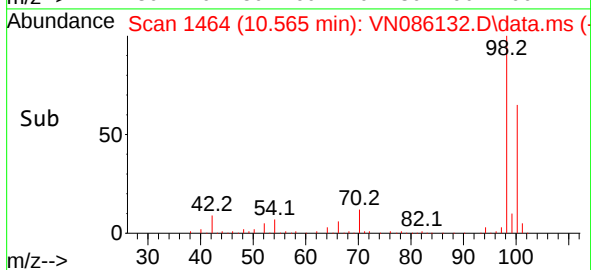
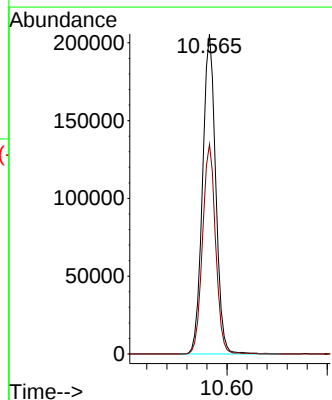
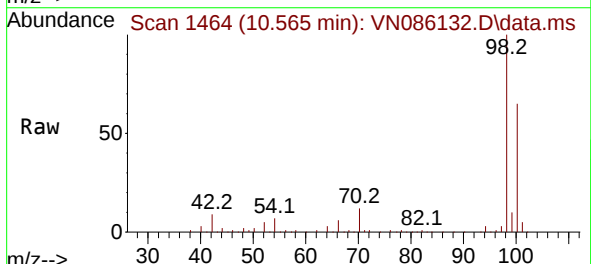
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

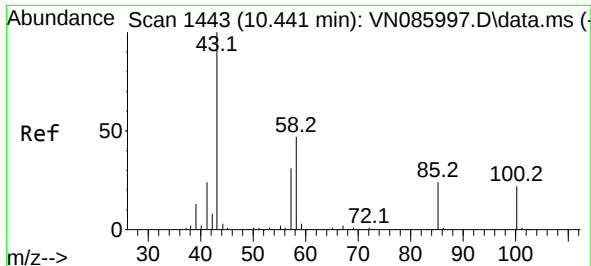
Tgt Ion: 43 Resp: 10902  
Ion Ratio Lower Upper  
43 100  
61 0.0 25.0 37.6#  
87 0.0 13.0 19.4#



#50  
Toluene-d8  
Concen: 47.158 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 98 Resp: 373917  
Ion Ratio Lower Upper  
98 100  
100 65.0 53.1 79.7

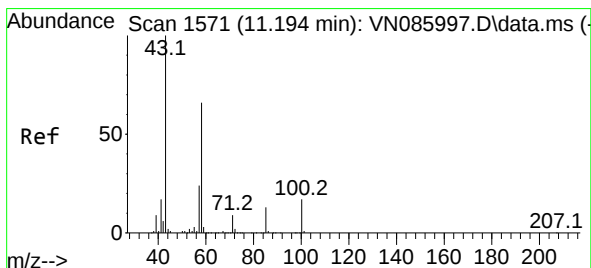
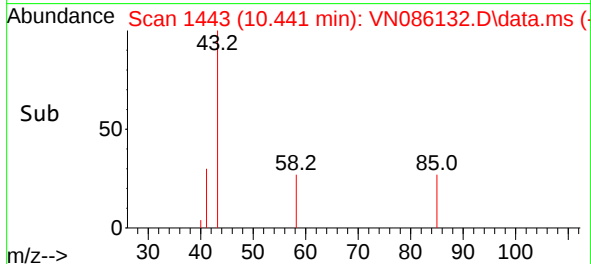
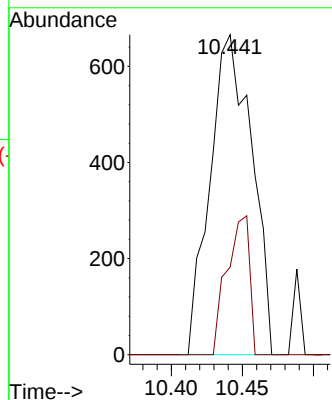
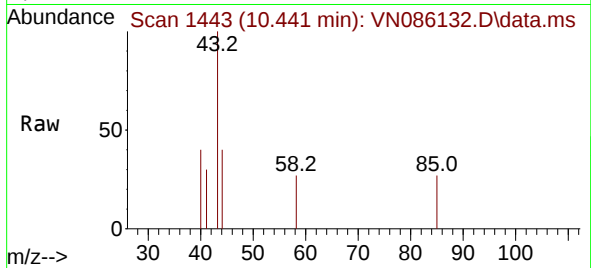




#51  
4-Methyl-2-Pentanone  
Concen: 0.589 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

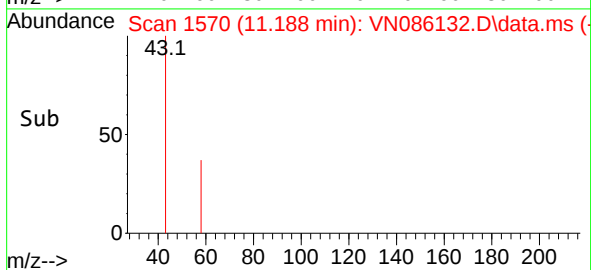
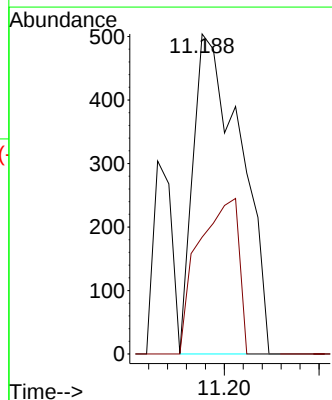
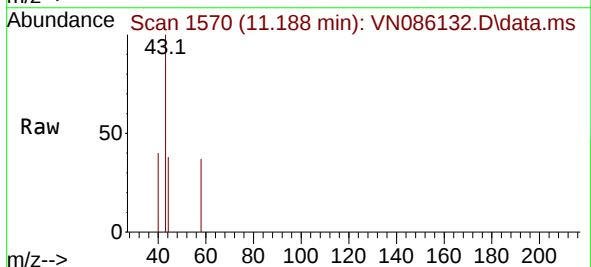
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

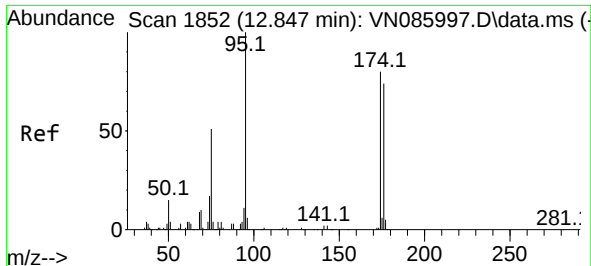
Tgt Ion: 43 Resp: 1365  
Ion Ratio Lower Upper  
43 100  
58 23.4 37.4 56.0#



#59  
2-Hexanone  
Concen: 0.518 ug/l  
RT: 11.188 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 43 Resp: 876  
Ion Ratio Lower Upper  
43 100  
58 41.4 32.4 97.2

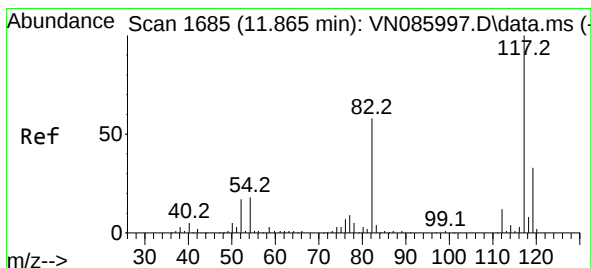
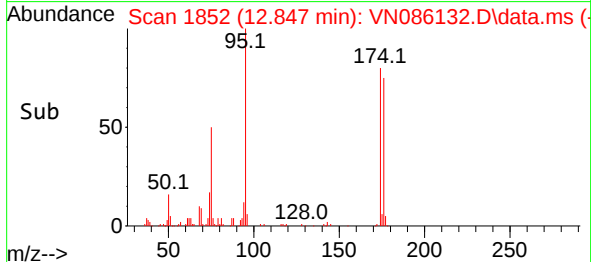
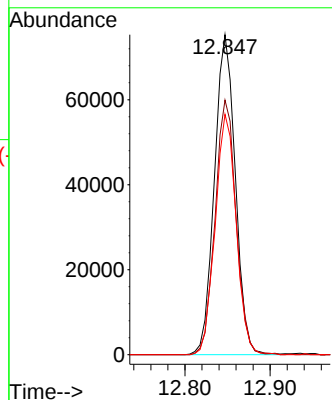
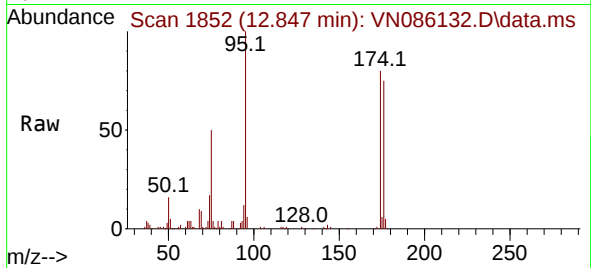




#62  
4-Bromofluorobenzene  
Concen: 45.336 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

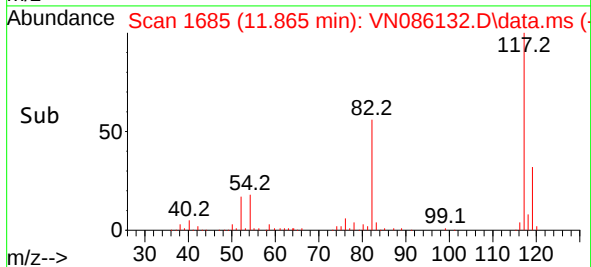
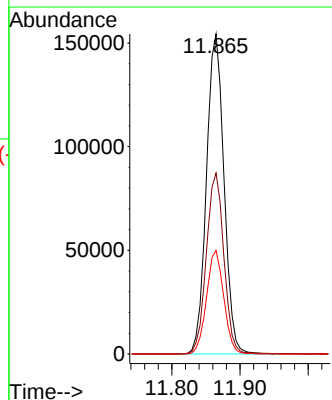
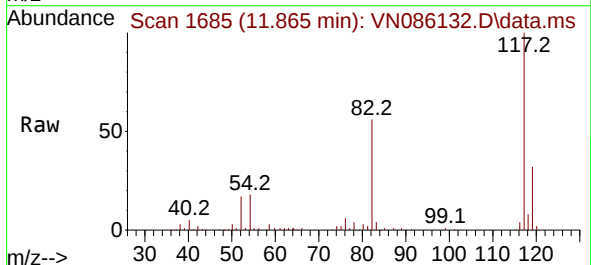
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

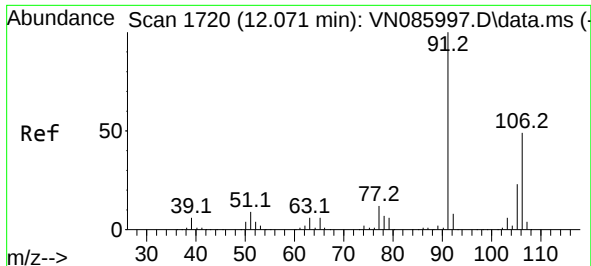
Tgt Ion: 95 Resp: 128200  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 156.8  
176 75.6 0.0 152.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 117 Resp: 276344  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.7 70.1  
119 32.3 26.5 39.7

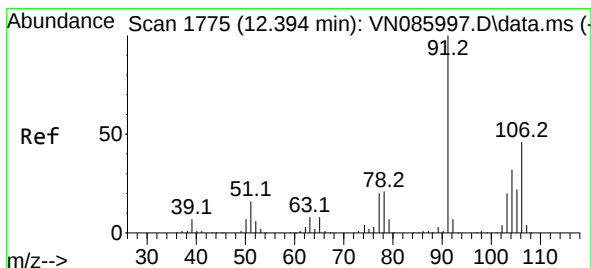
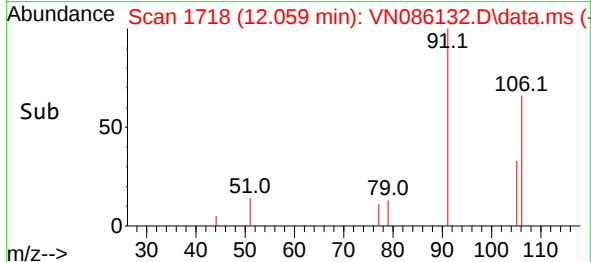
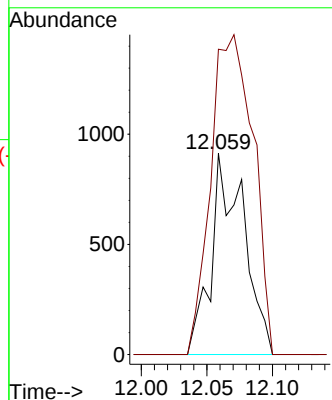
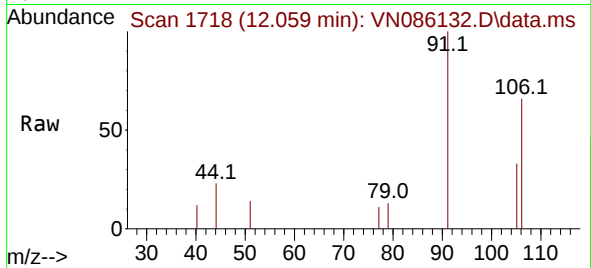




#68  
m/p-Xylenes  
Concen: 0.399 ug/l  
RT: 12.059 min Scan# 1718  
Delta R.T. -0.012 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

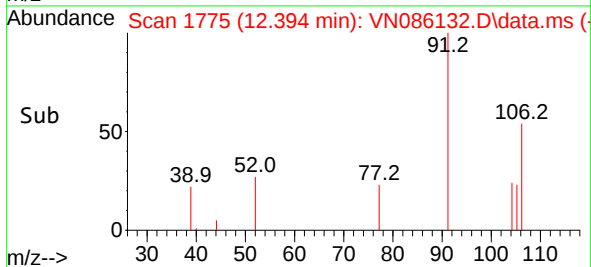
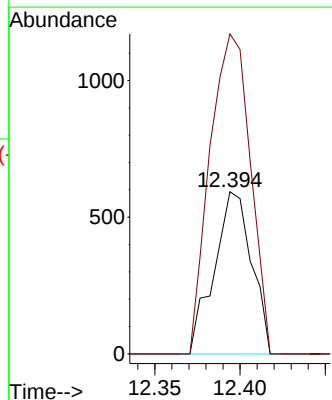
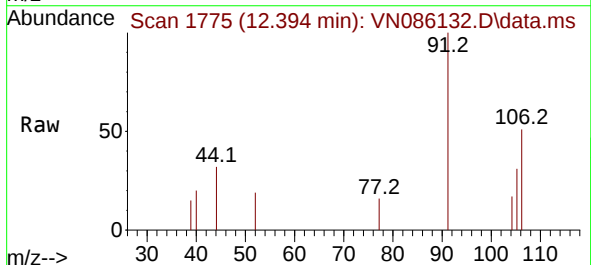
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

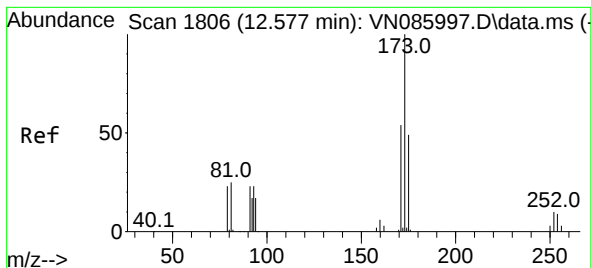
Tgt Ion:106 Resp: 1586  
Ion Ratio Lower Upper  
106 100  
91 205.9 163.9 245.9



#69  
o-Xylene  
Concen: 0.249 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion:106 Resp: 907  
Ion Ratio Lower Upper  
106 100  
91 212.9 109.1 327.2





#71

Bromoform

Concen: 0.253 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Instrument :

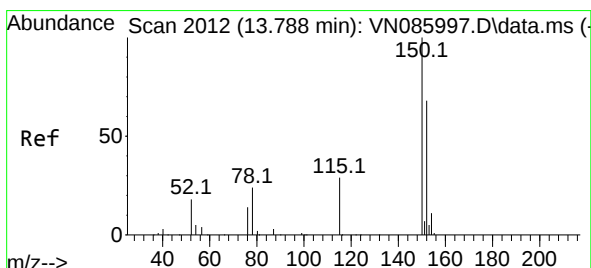
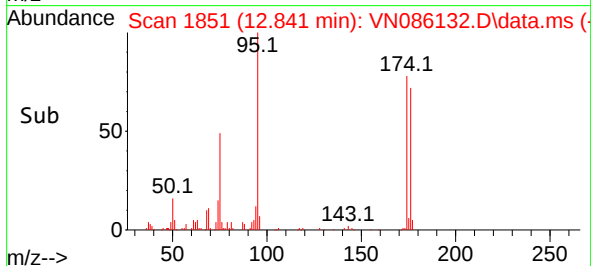
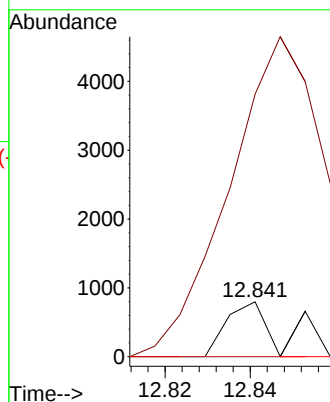
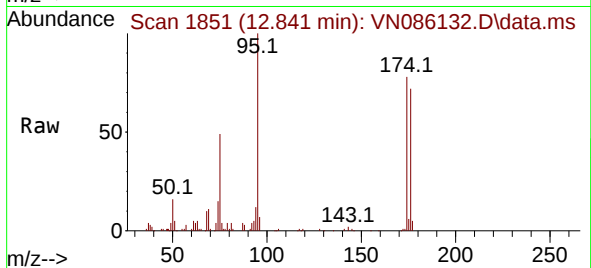
MSVOA\_N

ClientSampleId :

A4212

Tgt Ion:173 Resp: 498

| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 173 | 100    |       |       |
| 175 | 1213.7 | 24.3  | 73.0# |
| 254 | 0.0    | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

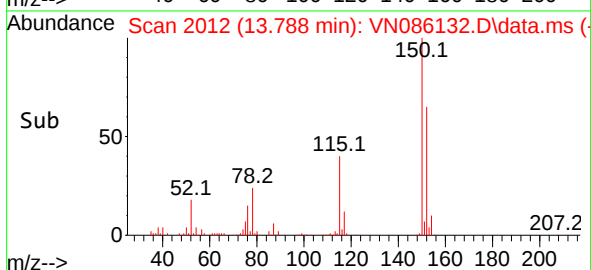
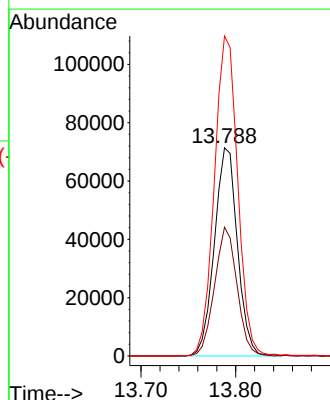
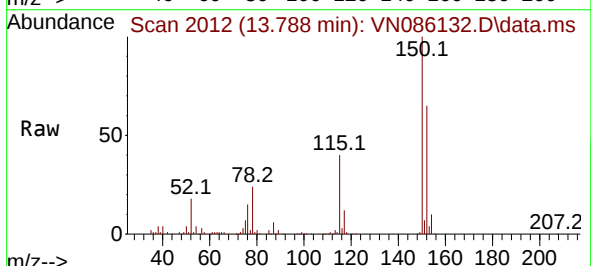
Delta R.T. -0.000 min

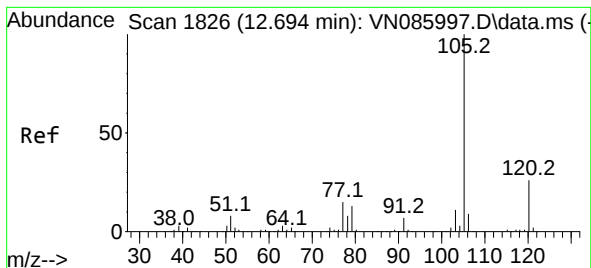
Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Tgt Ion:152 Resp: 120540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.4  | 31.1  | 93.2  |
| 150 | 156.2 | 0.0   | 359.6 |





#73

Isopropylbenzene

Concen: 0.242 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Instrument :

MSVOA\_N

ClientSampleId :

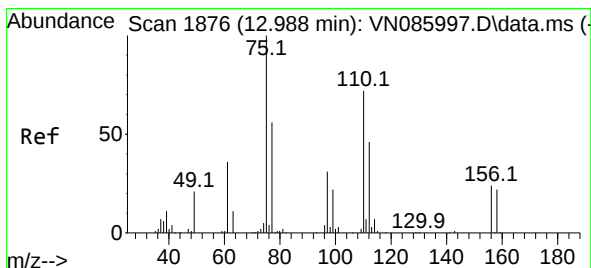
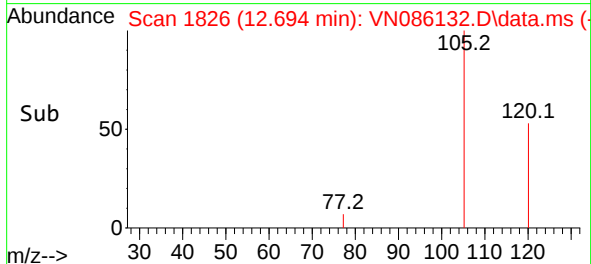
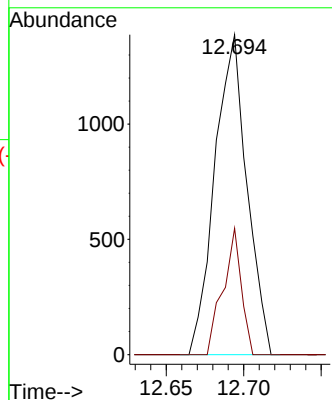
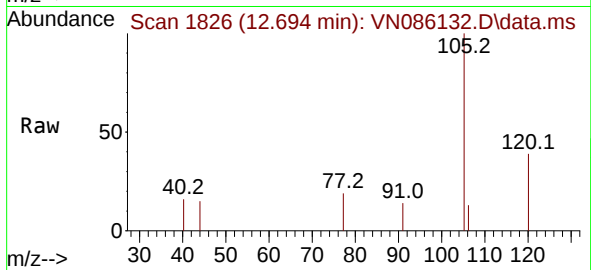
A4212

Tgt Ion:105 Resp: 1996

Ion Ratio Lower Upper

105 100

120 22.5 13.0 39.0



#76

1,2,3-Trichloropropane

Concen: 23.582 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086132.D

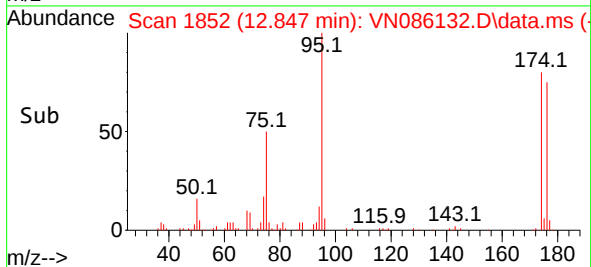
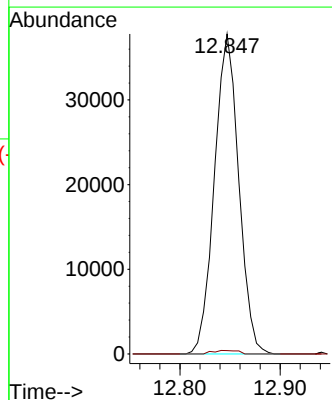
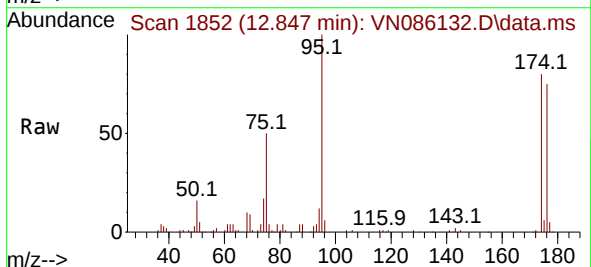
Acq: 26 Mar 2025 17:36

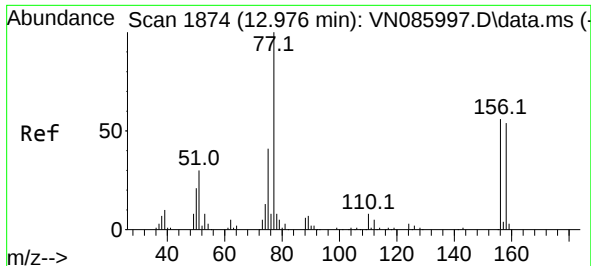
Tgt Ion: 75 Resp: 63641

Ion Ratio Lower Upper

75 100

77 1.2 83.7 251.0#

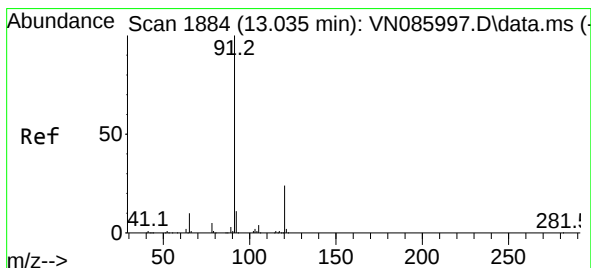
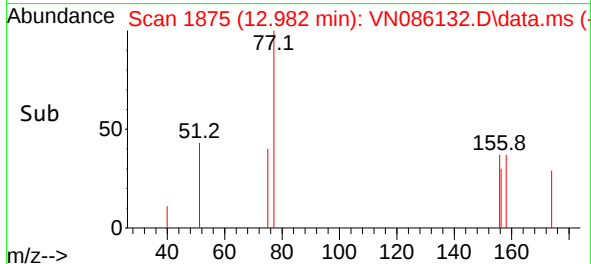
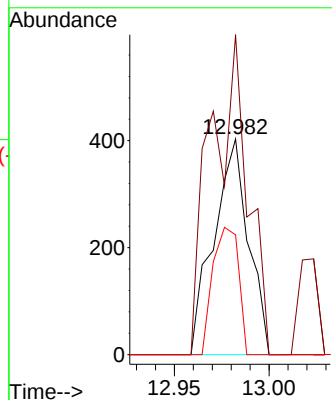
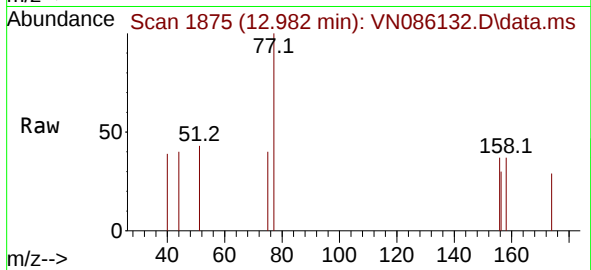




#77  
Bromobenzene  
Concen: 0.224 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

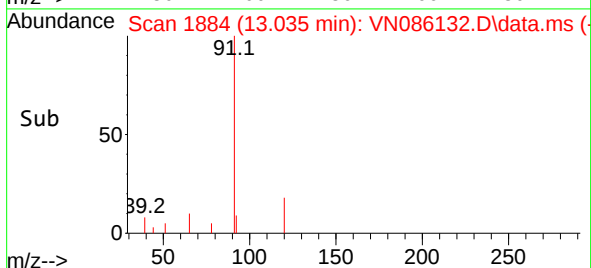
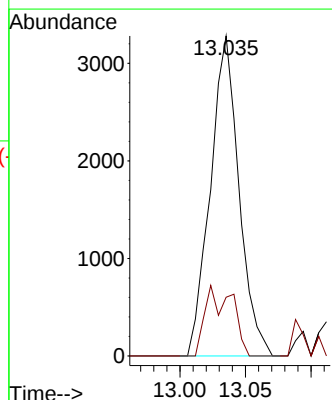
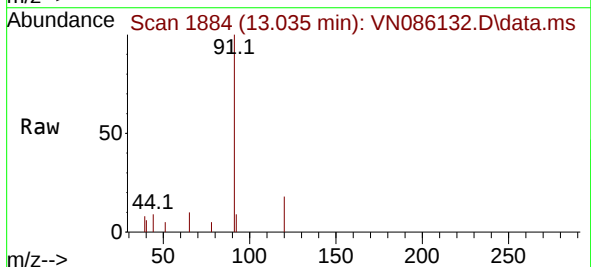
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

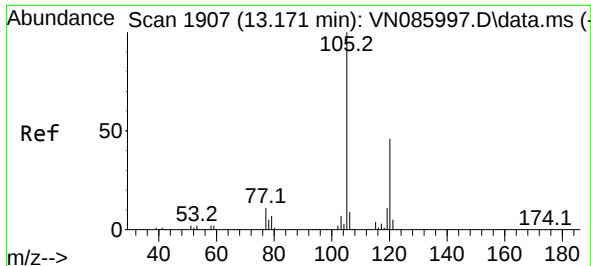
Tgt Ion:156 Resp: 514  
Ion Ratio Lower Upper  
156 100  
77 79.2 104.1 312.3#  
158 43.6 49.0 147.0#



#78  
n-propylbenzene  
Concen: 0.535 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 91 Resp: 4988  
Ion Ratio Lower Upper  
91 100  
120 20.7 11.7 35.0

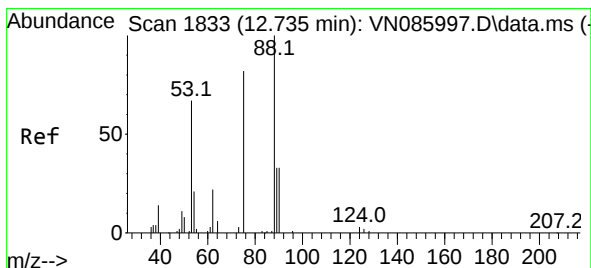
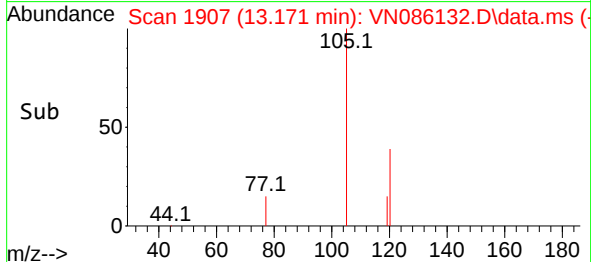
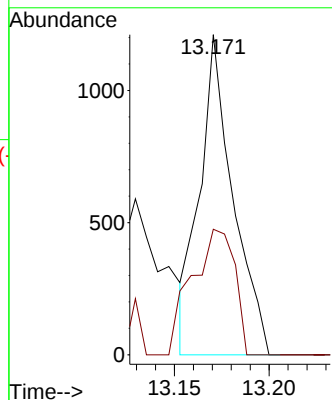
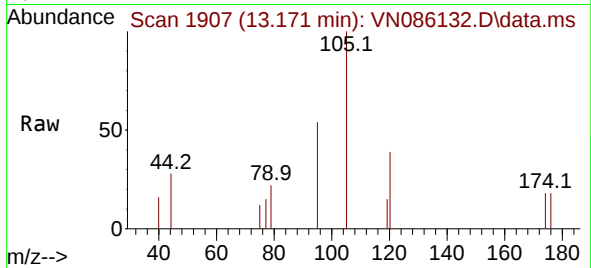




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.213 ug/l  
 RT: 13.171 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VN086132.D  
 Acq: 26 Mar 2025 17:36

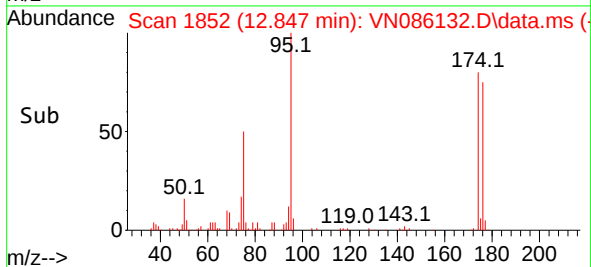
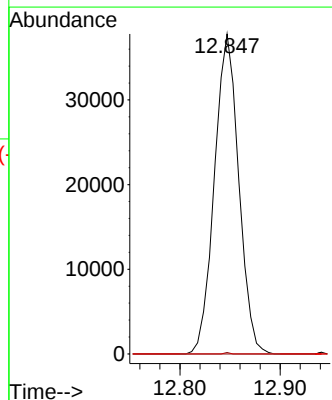
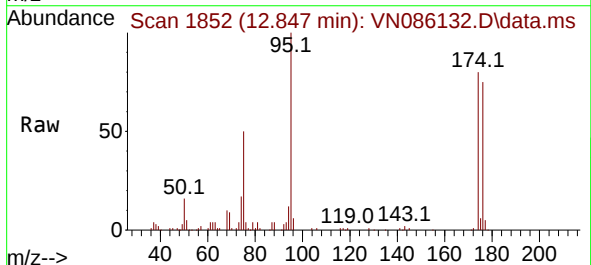
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 A4212

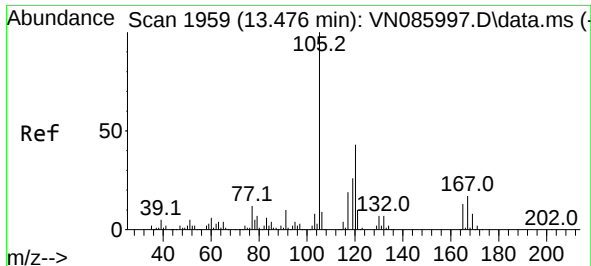
Tgt Ion:105 Resp: 1479  
 Ion Ratio Lower Upper  
 105 100  
 120 50.4 23.7 71.1



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.348 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. 0.112 min  
 Lab File: VN086132.D  
 Acq: 26 Mar 2025 17:36

Tgt Ion: 75 Resp: 63641  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 66.0 99.0#  
 89 0.0 36.9 55.3#

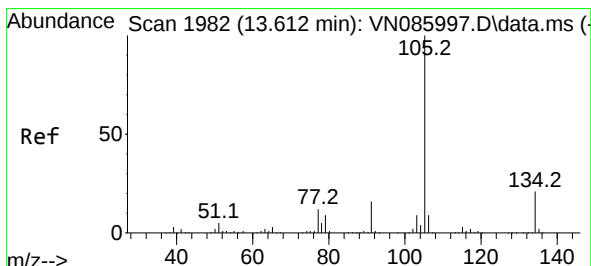
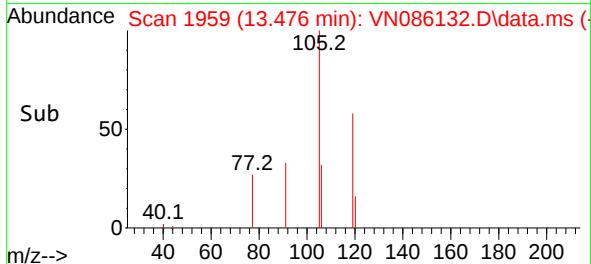
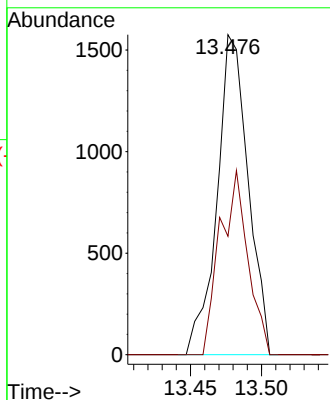
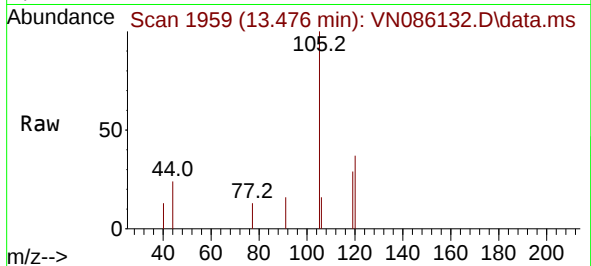




#84  
1,2,4-Trimethylbenzene  
Concen: 0.343 ug/l  
RT: 13.476 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

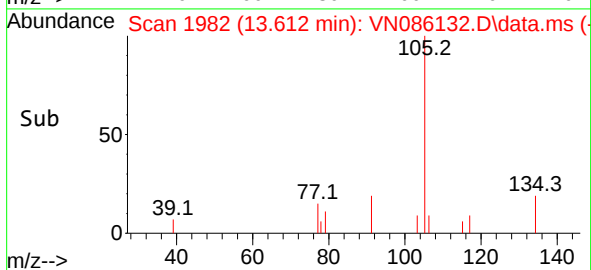
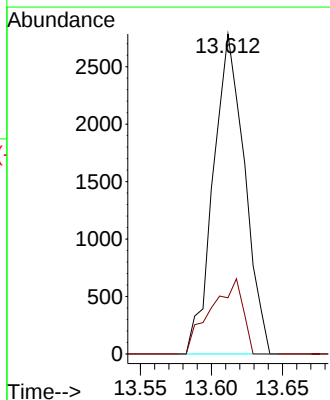
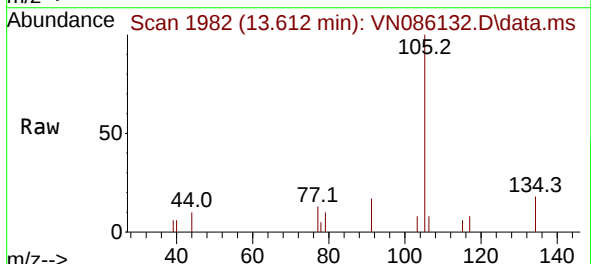
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

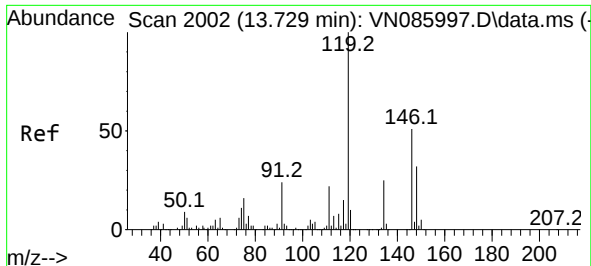
Tgt Ion:105 Resp: 2403  
Ion Ratio Lower Upper  
105 100  
120 51.5 21.9 65.8



#85  
sec-Butylbenzene  
Concen: 0.551 ug/l  
RT: 13.612 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion:105 Resp: 4270  
Ion Ratio Lower Upper  
105 100  
134 24.1 10.1 30.1

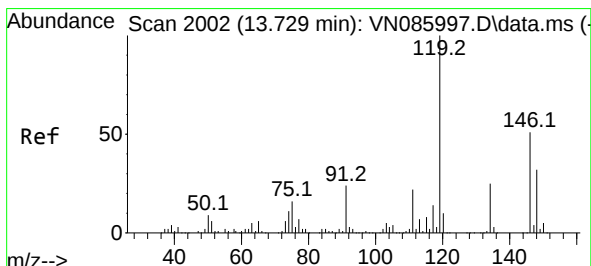
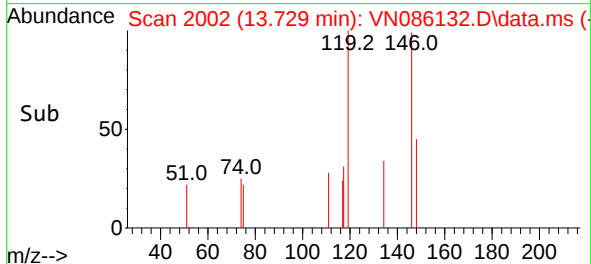
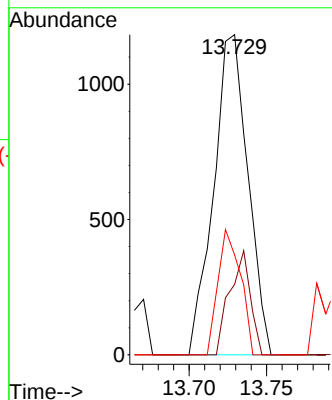
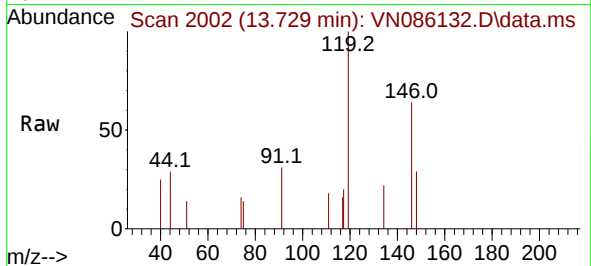




#86  
p-Isopropyltoluene  
Concen: 0.277 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

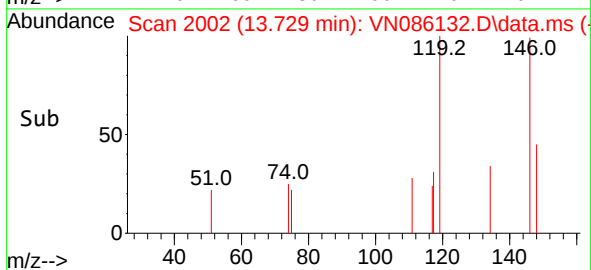
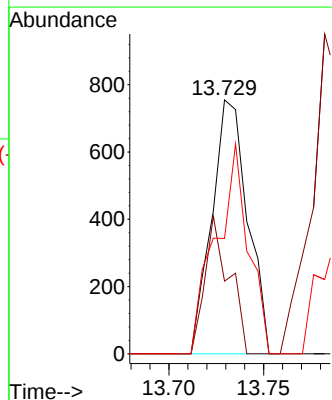
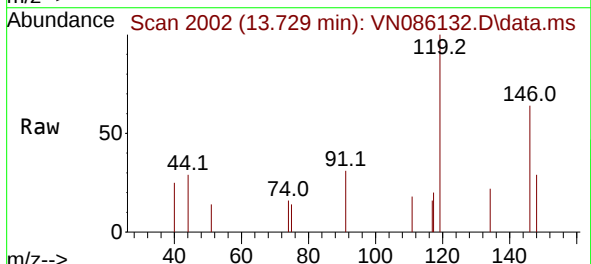
Instrument :  
MSVOA\_N  
ClientSampleId :  
A4212

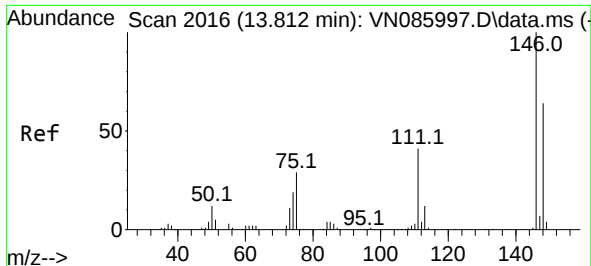
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 1819  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 19.6  | 12.6  | 37.8  |
| 91       | 25.7  | 12.3  | 36.8  |



#87  
1,3-Dichlorobenzene  
Concen: 0.240 ug/l  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 992   |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 36.8  | 21.2  | 63.6  |
| 148      | 75.2  | 31.8  | 95.4  |

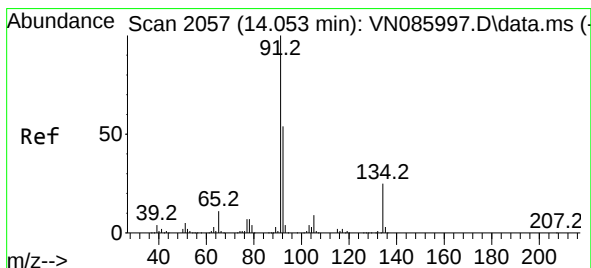
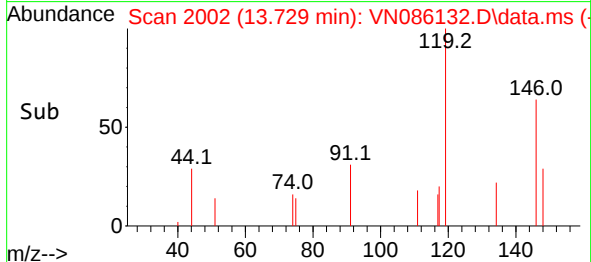
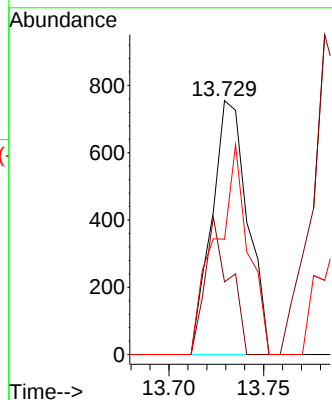
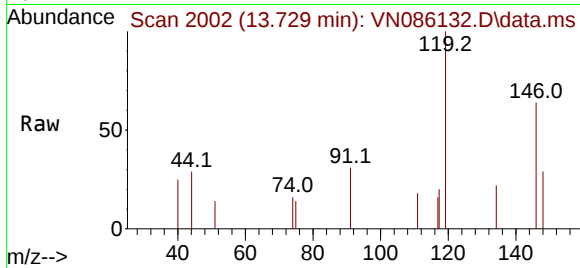




#88  
1,4-Dichlorobenzene  
Concen: 0.228 ug/l  
RT: 13.729 min Scan# 2016  
Delta R.T. -0.082 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

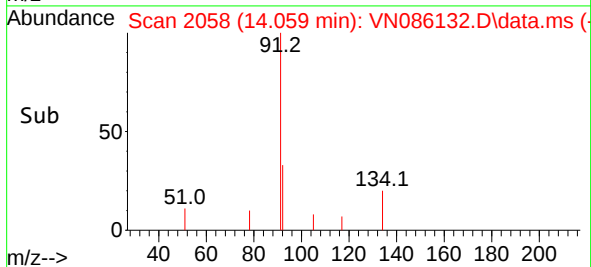
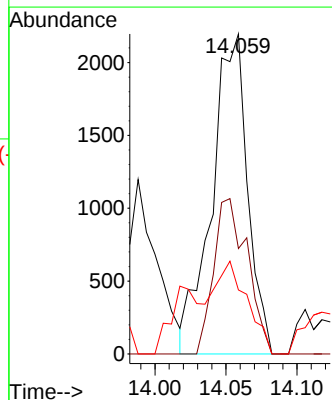
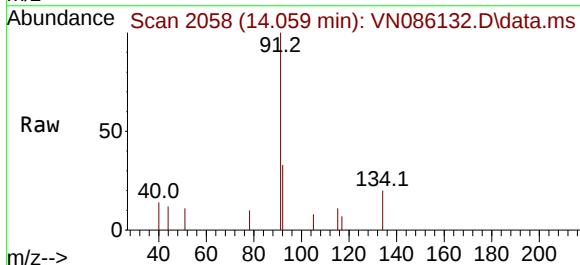
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ClientSampleId :  
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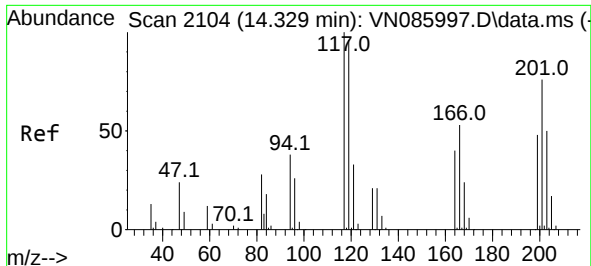
Tgt Ion:146 Resp: 992  
Ion Ratio Lower Upper  
146 100  
111 36.8 20.4 61.3  
148 75.2 32.1 96.5



#89  
n-Butylbenzene  
Concen: 0.720 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion: 91 Resp: 3849  
Ion Ratio Lower Upper  
91 100  
92 45.5 26.9 80.6  
134 26.3 13.0 39.0

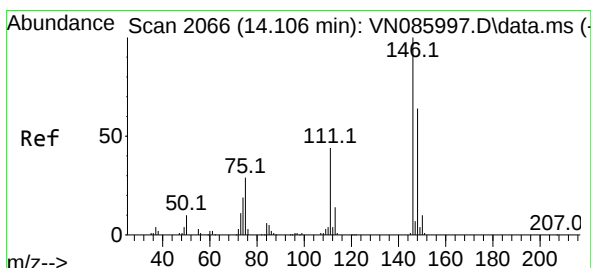
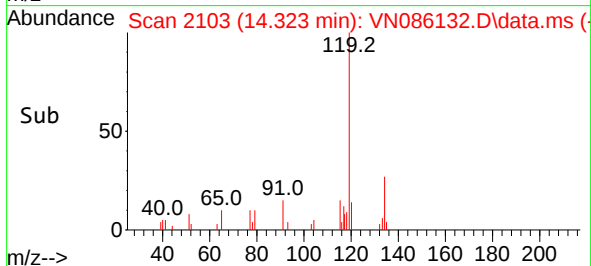
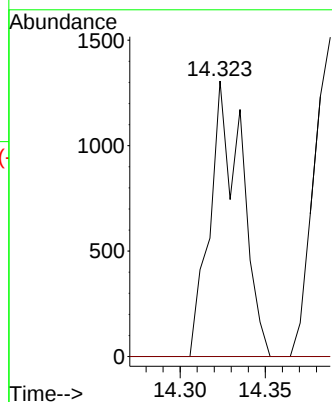
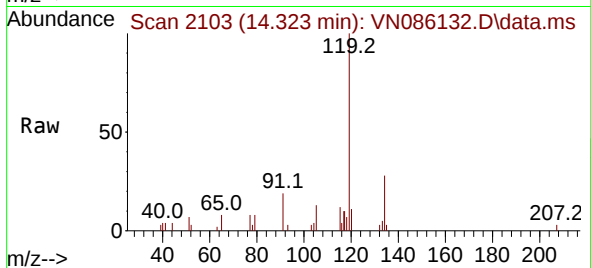




#90  
Hexachloroethane  
Concen: 1.123 ug/l  
RT: 14.323 min Scan# 2104  
Delta R.T. -0.006 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

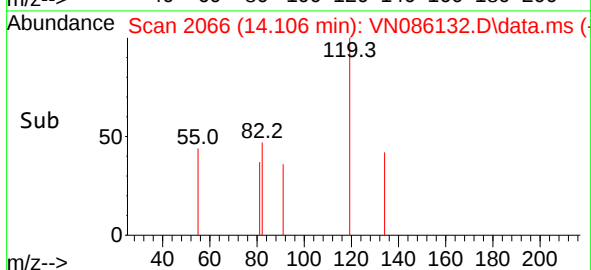
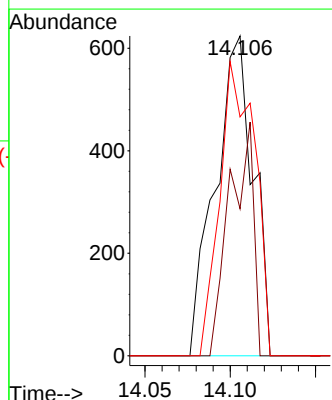
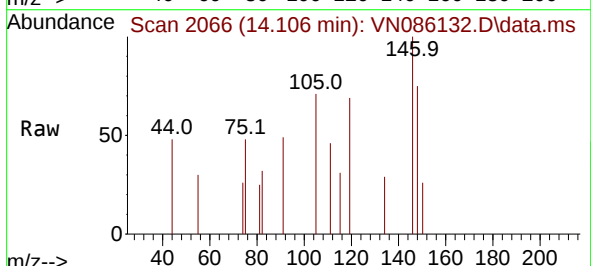
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MSVOA\_N  
ClientSampleId :  
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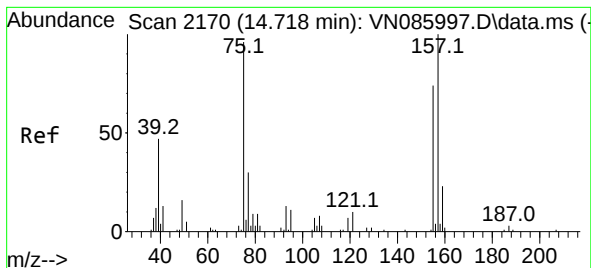
Tgt Ion:117 Resp: 1701  
Ion Ratio Lower Upper  
117 100  
201 0.0 39.1 117.3#



#91  
1,2-Dichlorobenzene  
Concen: 0.236 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN086132.D  
Acq: 26 Mar 2025 17:36

Tgt Ion:146 Resp: 969  
Ion Ratio Lower Upper  
146 100  
111 45.8 22.3 66.8  
148 84.6 32.1 96.5

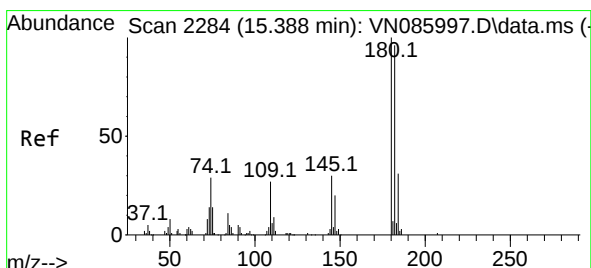
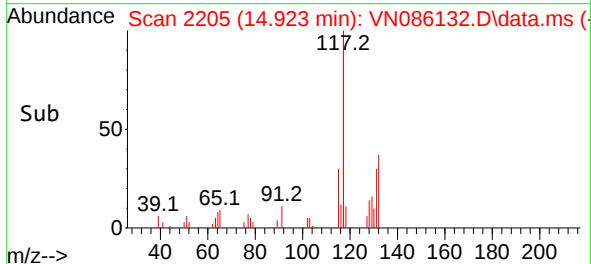
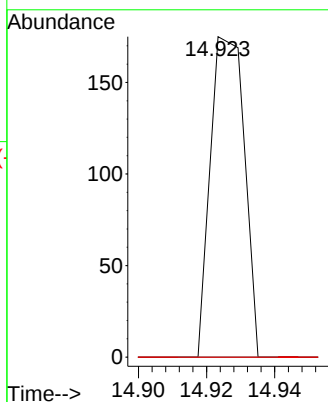
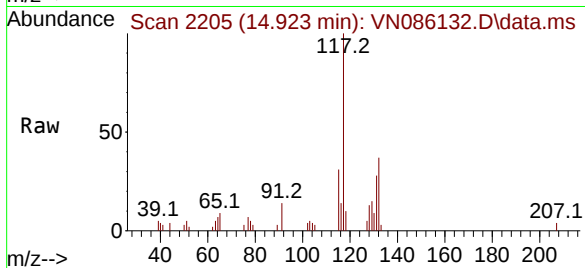




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.218 ug/l  
 RT: 14.923 min Scan# 2170  
 Delta R.T. 0.206 min  
 Lab File: VN086132.D  
 Acq: 26 Mar 2025 17:36

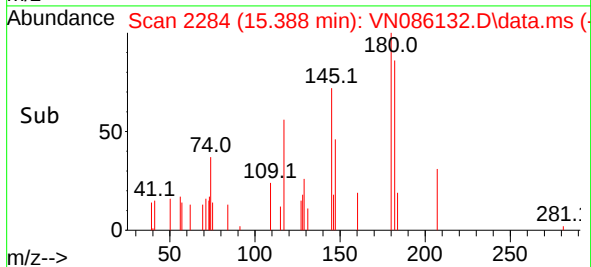
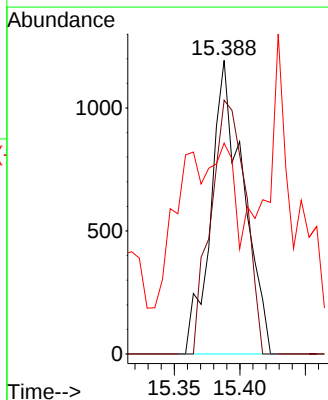
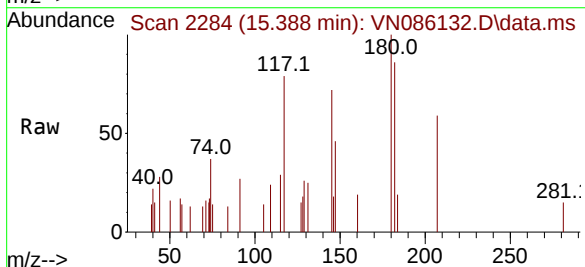
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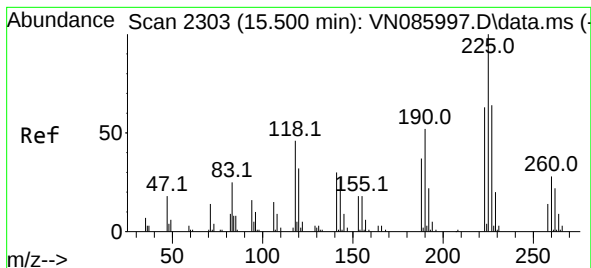
Tgt Ion: 75 Resp: 121  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 41.0 123.0#  
 157 0.0 53.7 161.1#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.990 ug/l  
 RT: 15.388 min Scan# 2284  
 Delta R.T. -0.000 min  
 Lab File: VN086132.D  
 Acq: 26 Mar 2025 17:36

Tgt Ion: 180 Resp: 2047  
 Ion Ratio Lower Upper  
 180 100  
 182 92.7 47.0 141.0  
 145 0.0 15.5 46.5#





#94

Hexachlorobutadiene

Concen: 1.018 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

Instrument :

MSVOA\_N

ClientSampleId :

A4212

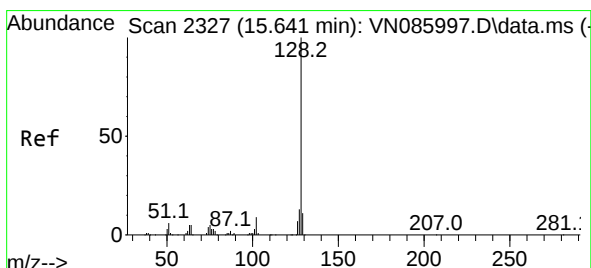
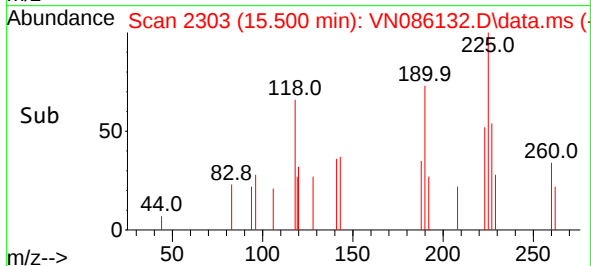
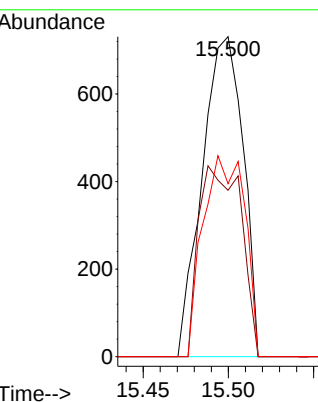
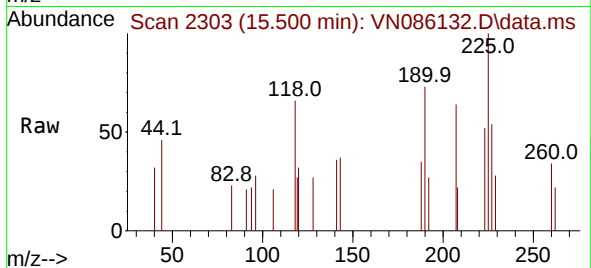
Tgt Ion:225 Resp: 1221

Ion Ratio Lower Upper

225 100

223 61.5 31.3 93.9

227 63.6 32.1 96.3



#95

Naphthalene

Concen: 7.049 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN086132.D

Acq: 26 Mar 2025 17:36

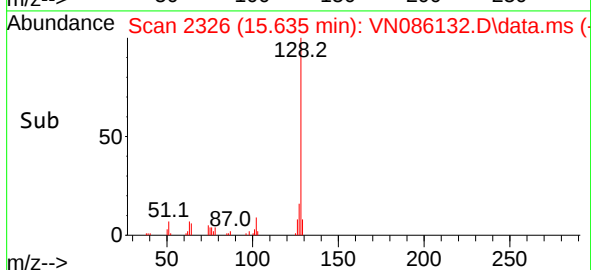
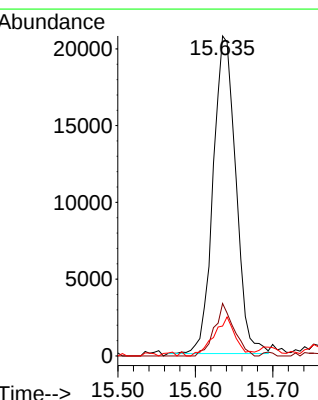
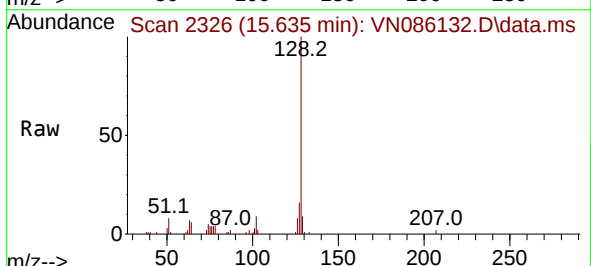
Tgt Ion:128 Resp: 42211

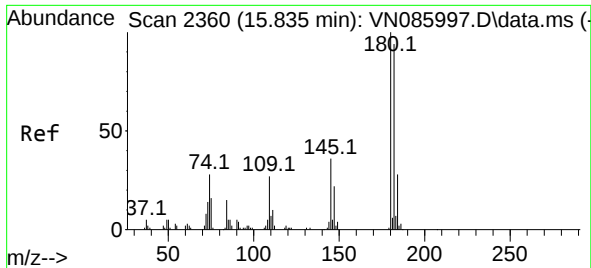
Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

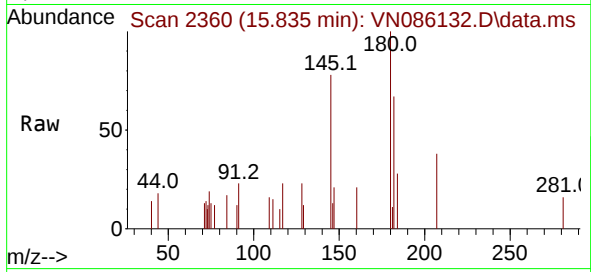
129 11.8 9.0 13.6





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.331 ug/l  
 RT: 15.835 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN086132.D  
 Acq: 26 Mar 2025 17:36

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 A4212



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2612  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 87.9  | 47.5  | 142.5 |
| 145      | 0.0   | 17.7  | 53.1# |

