

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050625\  
 Data File : VN086522.D  
 Acq On : 06 May 2025 18:12  
 Operator : JC\MD  
 Sample : Q1966-03 100X  
 Misc : 1.47g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SILICA-GEL

Quant Time: May 07 02:57:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 246769   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 450161   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 432129   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 198798   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 154064   | 43.054   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 86.100%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 124171   | 59.433   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 118.860% |
| 50) Toluene-d8              | 10.565 | 98    | 569842   | 51.034   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.060% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 222660   | 54.671   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 109.340% |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 3) Chloromethane              | 2.365  | 50  | 1057   | 0.249     | ug/l # | 84 |
| 5) Bromomethane               | 2.971  | 94  | 595    | 0.326     | ug/l # | 72 |
| 13) Acrolein                  | 4.177  | 56  | 62     | Below Cal | #      | 1  |
| 16) Acetone                   | 4.436  | 43  | 3488   | Below Cal | #      | 77 |
| 18) Methyl Acetate            | 5.036  | 43  | 2269   | 0.528     | ug/l # | 63 |
| 25) 2-Butanone                | 7.483  | 43  | 1490   | 0.669     | ug/l # | 48 |
| 31) Cyclohexane               | 8.218  | 56  | 11163  | 1.925     | ug/l # | 42 |
| 36) 1,1-Dichloropropene       | 8.218  | 75  | 19000  | 4.553     | ug/l # | 52 |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 26365  | 6.634     | ug/l # | 17 |
| 39) Methylcyclohexane         | 9.600  | 83  | 13253  | 2.672     | ug/l # | 84 |
| 40) Benzene                   | 8.600  | 78  | 29617  | 2.215     | ug/l   | 99 |
| 43) Isopropyl Acetate         | 8.641  | 43  | 2516   | Below Cal | #      | 55 |
| 48) Methyl methacrylate       | 9.635  | 41  | 1696   | 0.440     | ug/l # | 13 |
| 52) Toluene                   | 10.623 | 92  | 52905  | 6.342     | ug/l   | 97 |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97  | 5189   | 1.729     | ug/l # | 36 |
| 67) Ethyl Benzene             | 11.959 | 91  | 24734  | 1.421     | ug/l   | 95 |
| 68) m/p-Xylenes               | 12.065 | 106 | 55128  | 8.454     | ug/l   | 95 |
| 69) o-Xylene                  | 12.394 | 106 | 15101  | 2.342     | ug/l   | 69 |
| 70) Styrene                   | 12.400 | 104 | 4125   | 0.384     | ug/l # | 27 |
| 71) Bromoform                 | 12.582 | 173 | 2119   | 0.885     | ug/l # | 84 |
| 73) Isopropylbenzene          | 12.694 | 105 | 7825   | 0.481     | ug/l   | 86 |
| 74) N-amyl acetate            | 12.476 | 43  | 4410   | 0.545     | ug/l # | 72 |
| 75) 1,1,2,2-Tetrachloroethane | 12.882 | 83  | 1392   | 0.298     | ug/l # | 25 |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 102535 | 21.856    | ug/l # | 1  |
| 77) Bromobenzene              | 13.047 | 156 | 1171   | 0.325     | ug/l # | 1  |
| 78) n-propylbenzene           | 13.029 | 91  | 6488   | 0.339     | ug/l # | 54 |
| 79) 2-Chlorotoluene           | 13.088 | 91  | 4394   | 0.366     | ug/l # | 43 |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105 | 6952   | 0.522     | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 102535 | 52.491    | ug/l # | 10 |
| 82) 4-Chlorotoluene           | 13.170 | 91  | 3884   | 0.326     | ug/l # | 42 |
| 83) tert-Butylbenzene         | 13.676 | 119 | 9161   | 0.794     | ug/l   | 86 |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105 | 31845  | 2.350     | ug/l   | 73 |
| 85) sec-Butylbenzene          | 13.817 | 105 | 13881  | 0.868     | ug/l   | 93 |
| 86) p-Isopropyltoluene        | 13.676 | 119 | 9161   | 0.695     | ug/l # | 59 |
| 87) 1,3-Dichlorobenzene       | 13.706 | 146 | 17199  | 2.539     | ug/l # | 27 |
| 88) 1,4-Dichlorobenzene       | 13.706 | 146 | 16229  | 2.379     | ug/l # | 27 |

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Sample : Q1966-03 100X  
Misc : 1.47g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

Quant Time: May 07 02:57:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

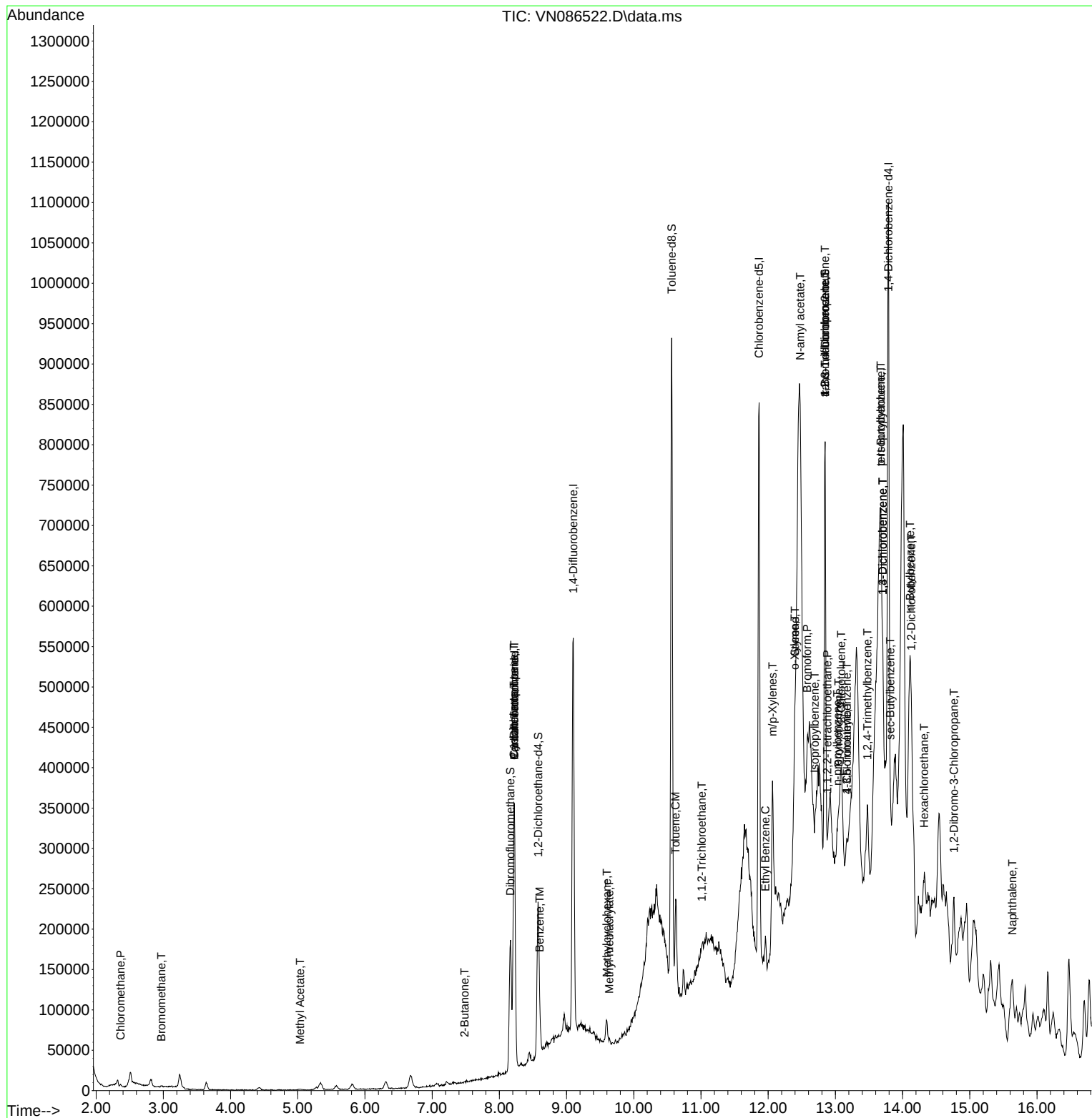
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 89) n-Butylbenzene            | 14.111 | 91   | 11323    | 0.969 | ug/l # | 41       |
| 90) Hexachloroethane          | 14.323 | 117  | 4284     | 1.932 | ug/l # | 35       |
| 91) 1,2-Dichlorobenzene       | 14.129 | 146  | 7765     | 1.182 | ug/l # | 48       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.764 | 75   | 526      | 0.558 | ug/l # | 5        |
| 95) Naphthalene               | 15.635 | 128  | 18785    | 1.685 | ug/l # | 55       |

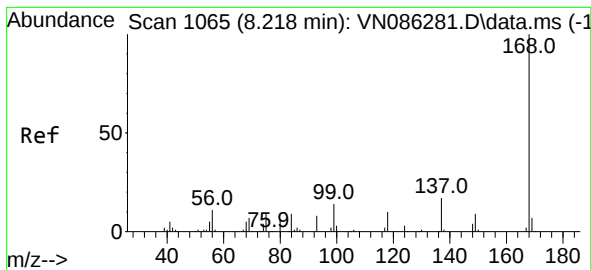
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 1.47g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
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QLast Update : Wed Apr 16 04:19:23 2025  
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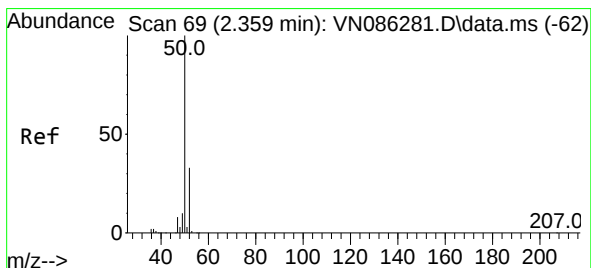
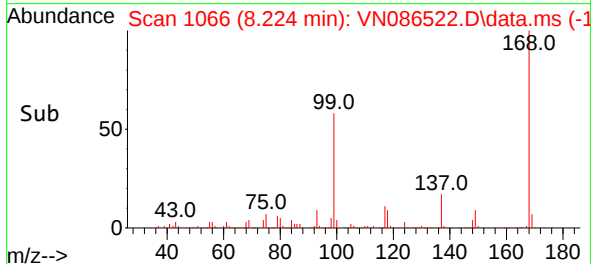
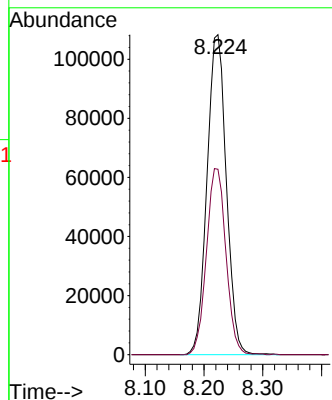
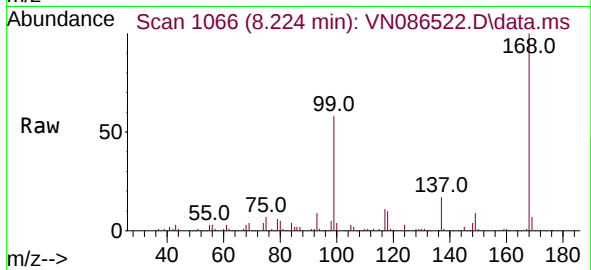




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

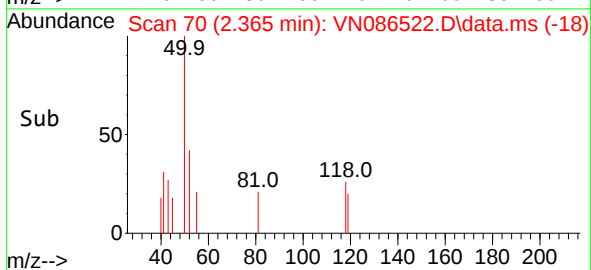
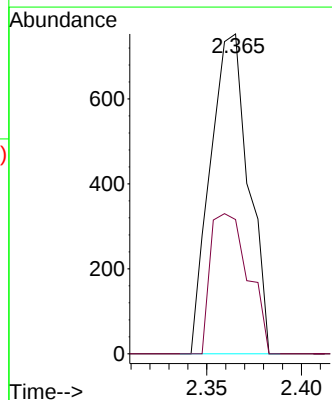
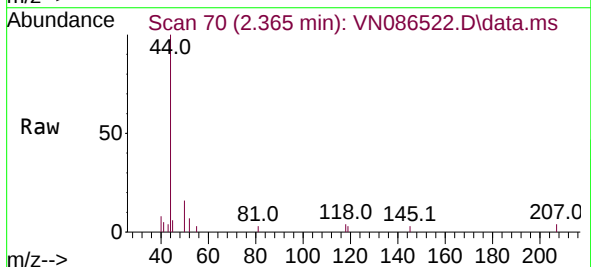
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

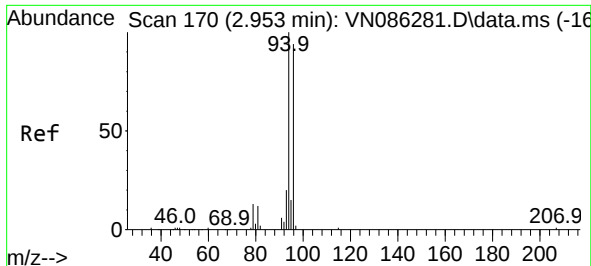
Tgt Ion:168 Resp: 246769  
Ion Ratio Lower Upper  
168 100  
99 58.0 52.5 78.7



#3  
Chloromethane  
Concen: 0.249 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 50 Resp: 1057  
Ion Ratio Lower Upper  
50 100  
52 42.0 26.5 39.7#

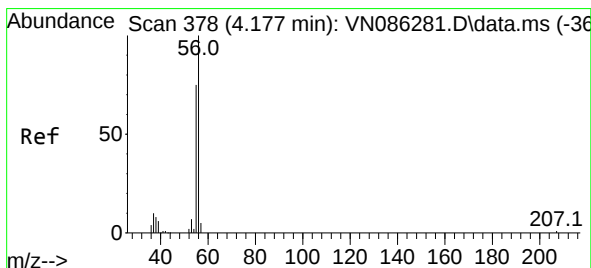
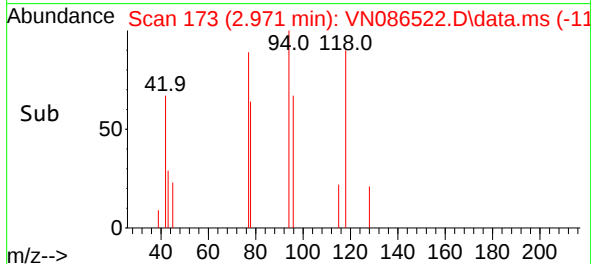
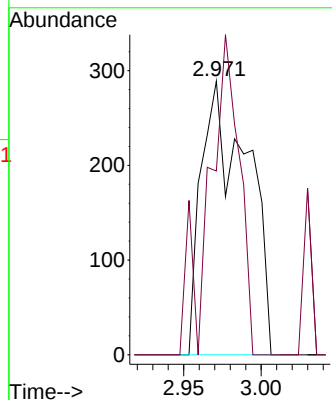
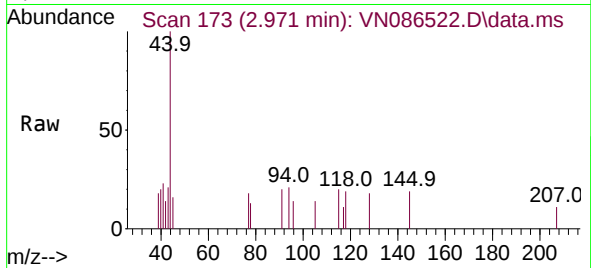




#5  
Bromomethane  
Concen: 0.326 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

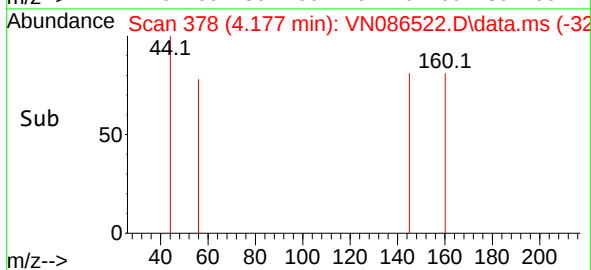
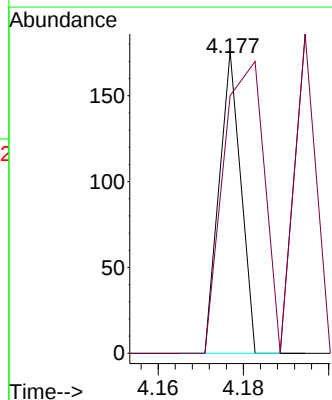
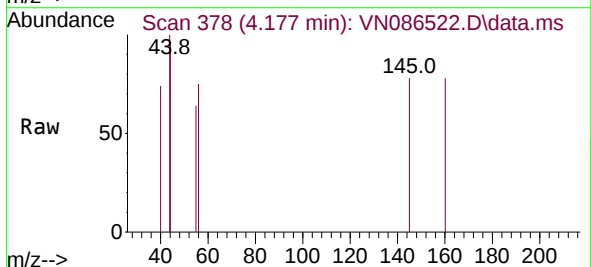
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

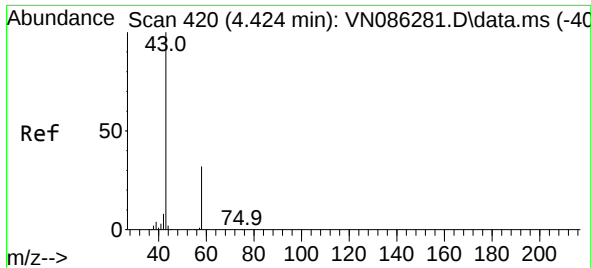
Tgt Ion: 94 Resp: 595  
Ion Ratio Lower Upper  
94 100  
96 67.1 75.2 112.8#



#13  
Acrolein  
Concen: Below Cal  
RT: 4.177 min Scan# 378  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 56 Resp: 62  
Ion Ratio Lower Upper  
56 100  
55 182.3 58.5 87.7#

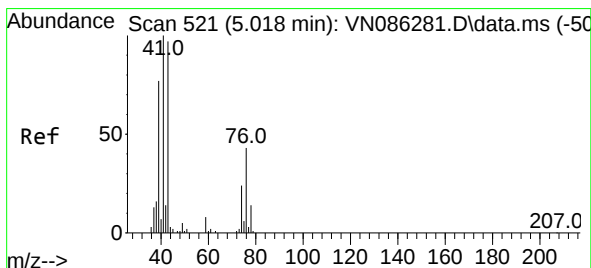
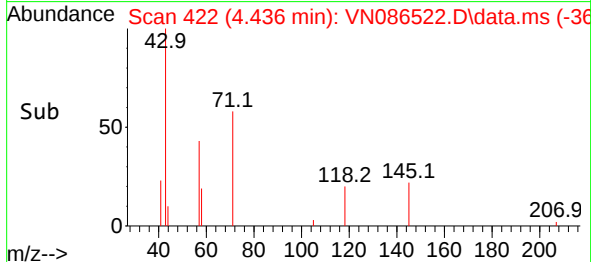
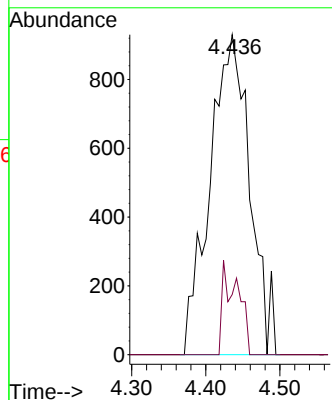
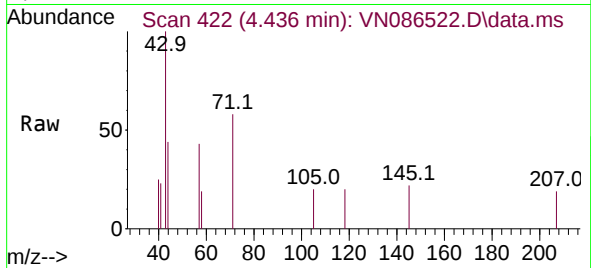




#16  
Acetone  
Concen: Below Cal  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

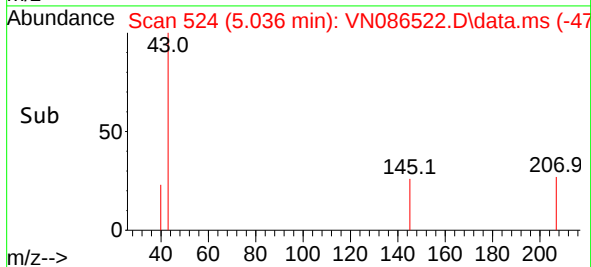
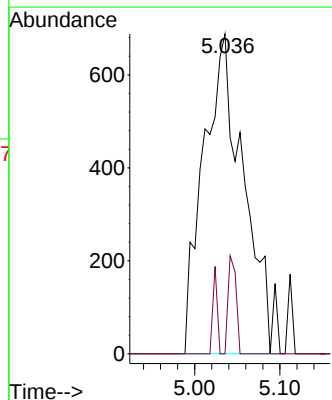
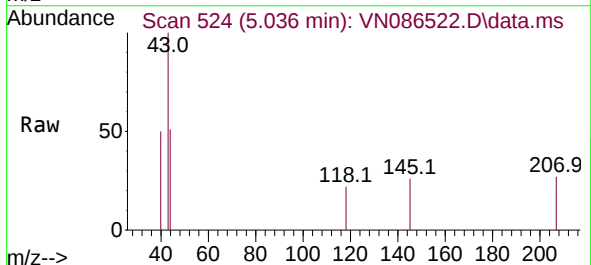
Instrument :  
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ClientSampleId :  
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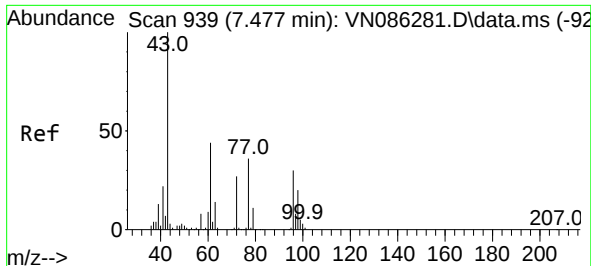
Tgt Ion: 43 Resp: 3488  
Ion Ratio Lower Upper  
43 100  
58 18.8 25.3 37.9#



#18  
Methyl Acetate  
Concen: 0.528 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. 0.018 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 43 Resp: 2269  
Ion Ratio Lower Upper  
43 100  
74 6.0 19.8 29.6#

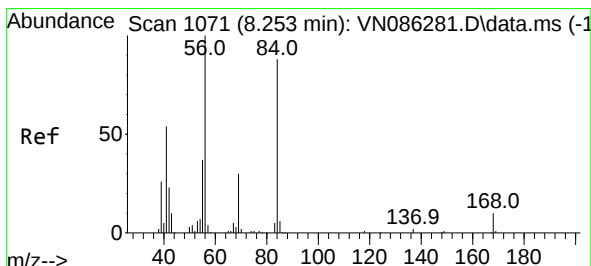
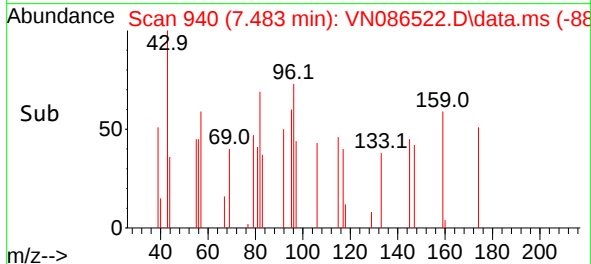
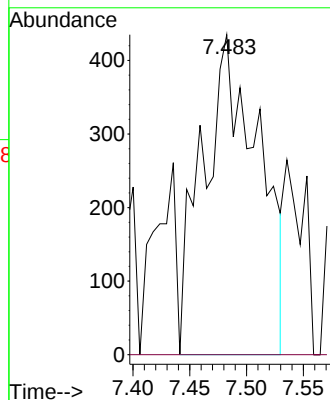
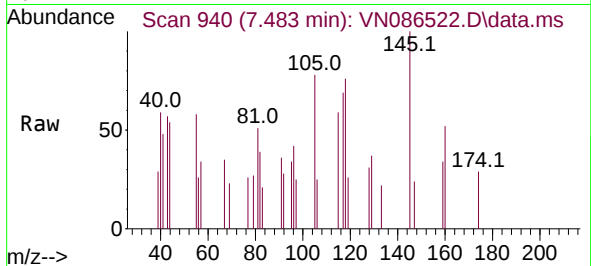




#25  
2-Butanone  
Concen: 0.669 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

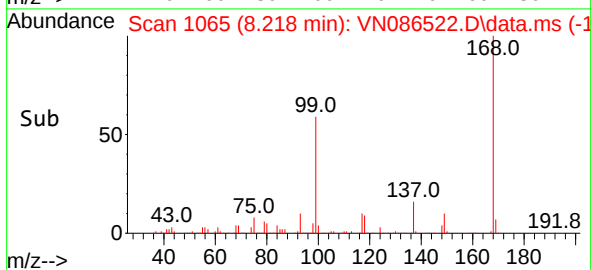
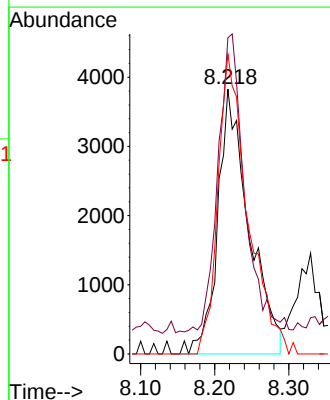
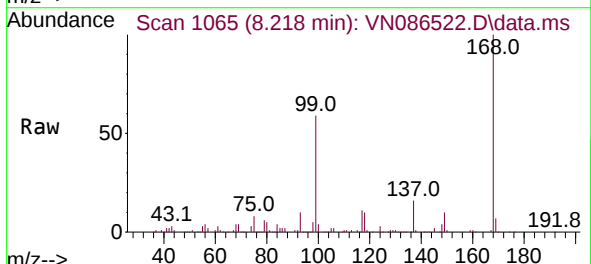
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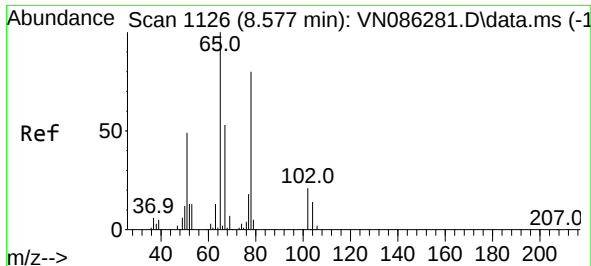
Tgt Ion: 43 Resp: 1490  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.7 32.5#



#31  
Cyclohexane  
Concen: 1.925 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 56 Resp: 11163  
Ion Ratio Lower Upper  
56 100  
69 110.7 24.2 36.2#  
84 113.2 70.3 105.5#

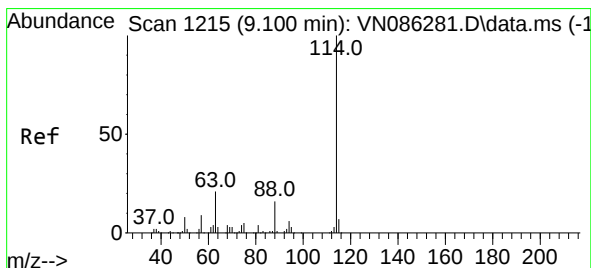
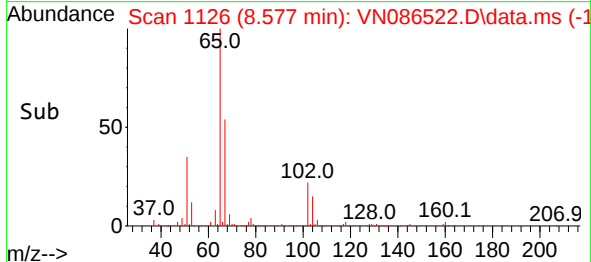
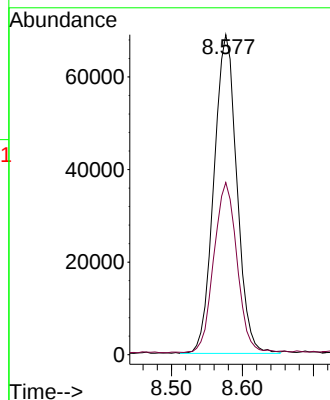
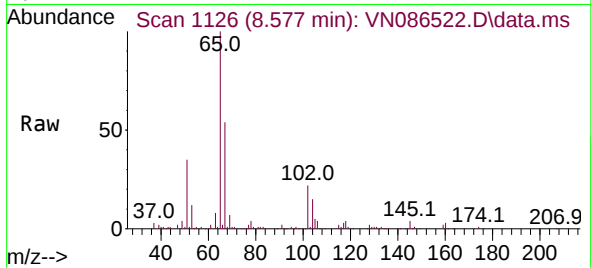




#33  
1,2-Dichloroethane-d4  
Concen: 43.054 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

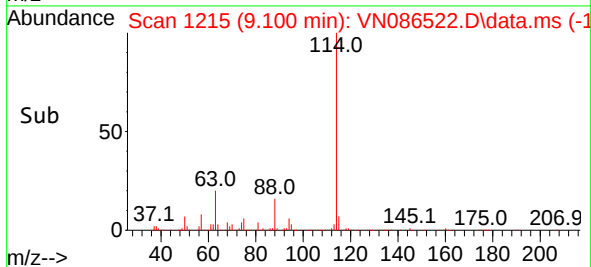
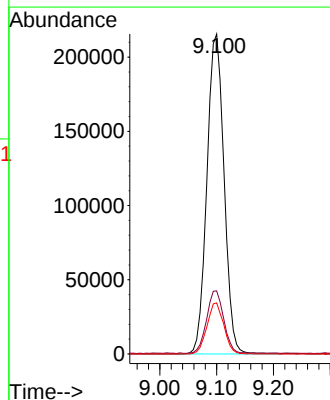
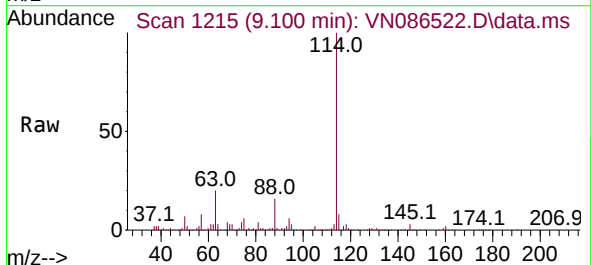
Instrument :  
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SILICA-GEL

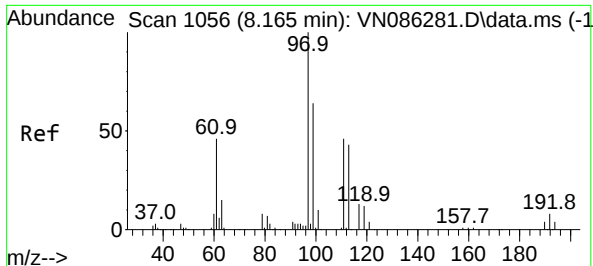
Tgt Ion: 65 Resp: 154064  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 106.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 114 Resp: 450161  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 42.6  
88 16.0 0.0 31.8

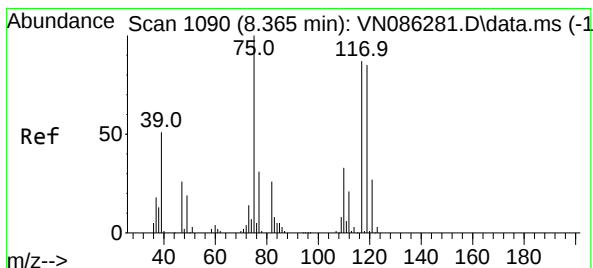
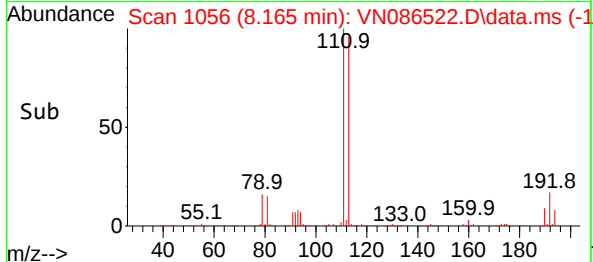
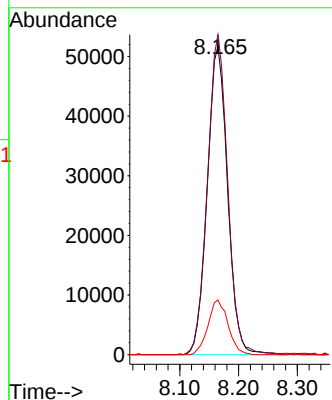
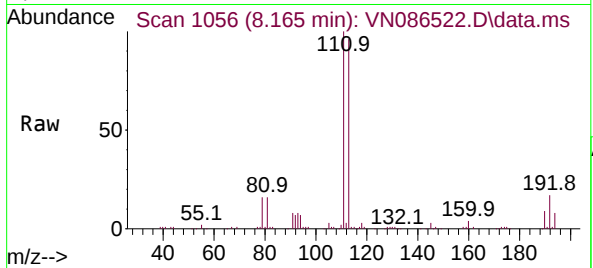




#35  
Dibromofluoromethane  
Concen: 59.433 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

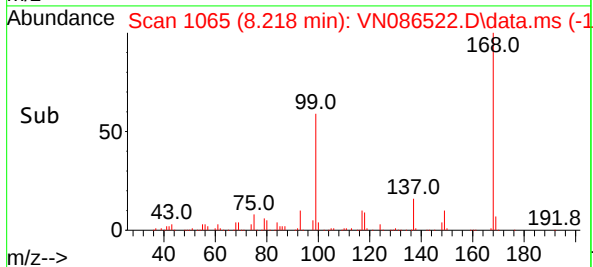
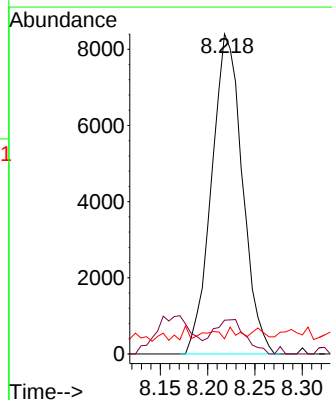
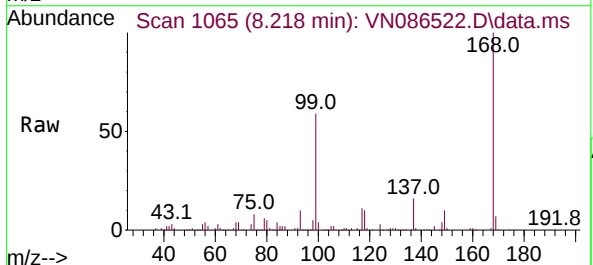
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ClientSampleId :  
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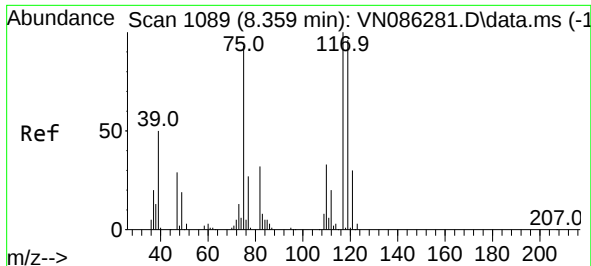
Tgt Ion:113 Resp: 124171  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.4 125.0  
192 17.5 13.7 20.5



#36  
1,1-Dichloropropene  
Concen: 4.553 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.147 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 75 Resp: 19000  
Ion Ratio Lower Upper  
75 100  
110 11.2 16.8 50.4#  
77 0.0 24.9 37.3#

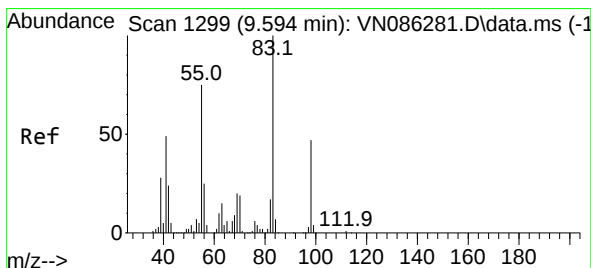
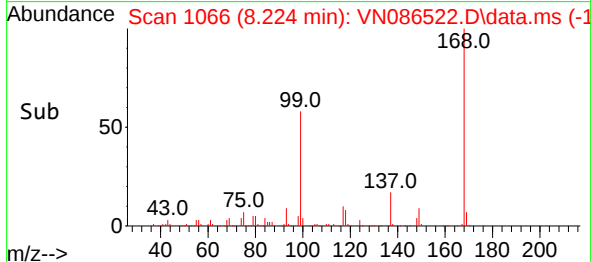
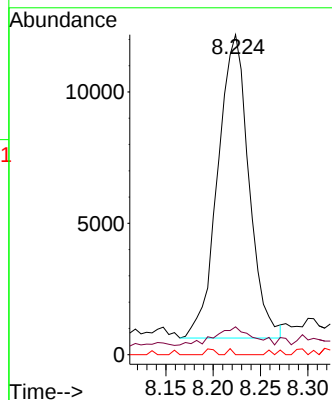
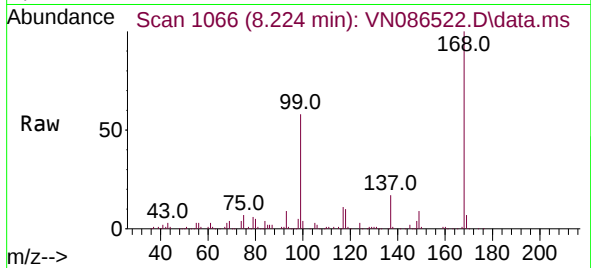




#38  
Carbon Tetrachloride  
Concen: 6.634 ug/l  
RT: 8.224 min Scan# 117  
Delta R.T. -0.135 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

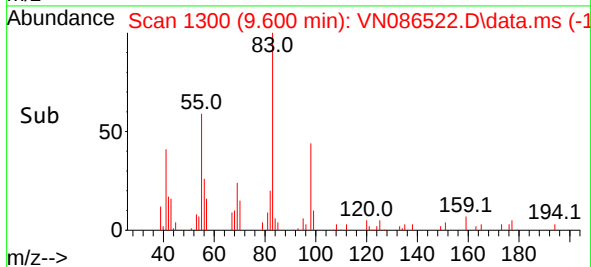
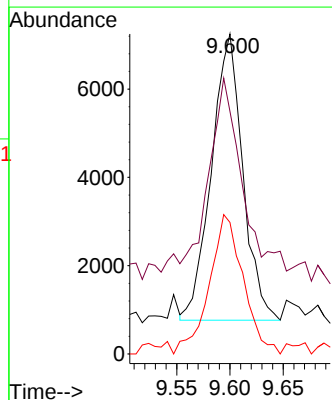
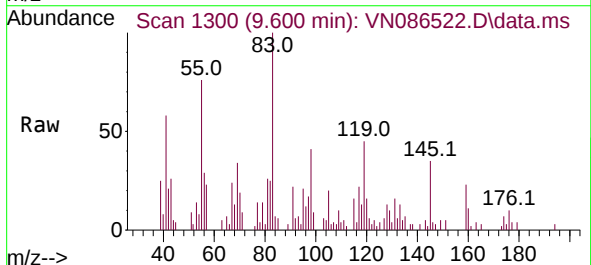
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ClientSampleId :  
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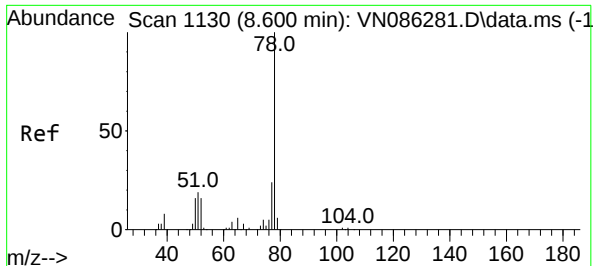
Tgt Ion:117 Resp: 26365  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.8 115.2#  
121 0.0 23.8 35.8#



#39  
Methylcyclohexane  
Concen: 2.672 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. 0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 83 Resp: 13253  
Ion Ratio Lower Upper  
83 100  
55 53.2 59.8 89.8#  
98 46.0 37.9 56.9

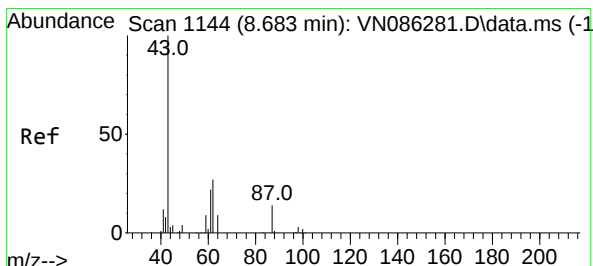
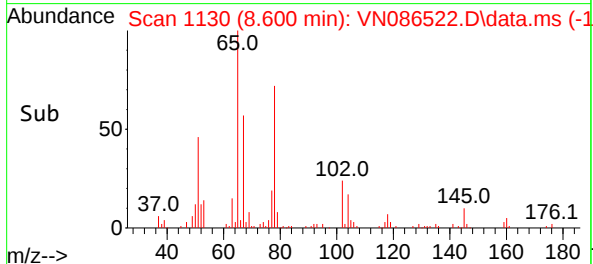
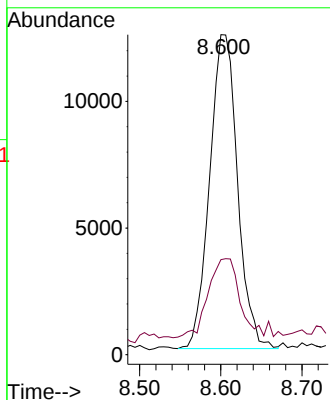
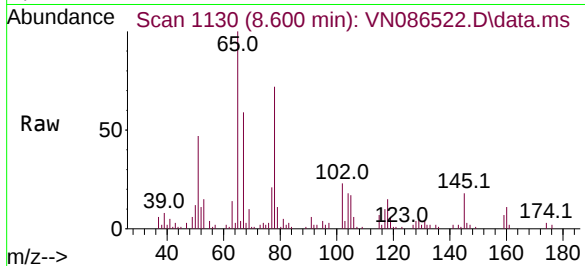




#40  
Benzene  
Concen: 2.215 ug/l  
RT: 8.600 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

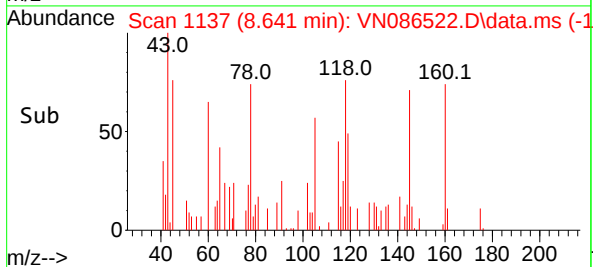
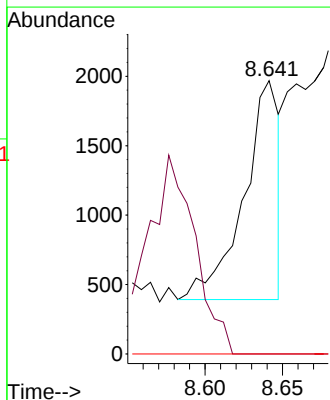
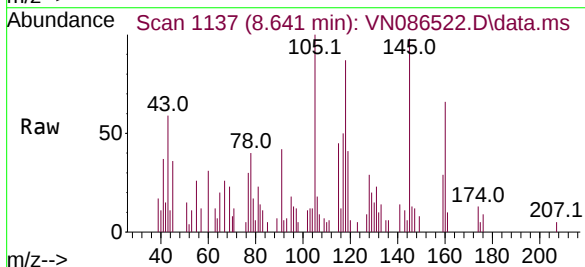
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MSVOA\_N  
ClientSampleId :  
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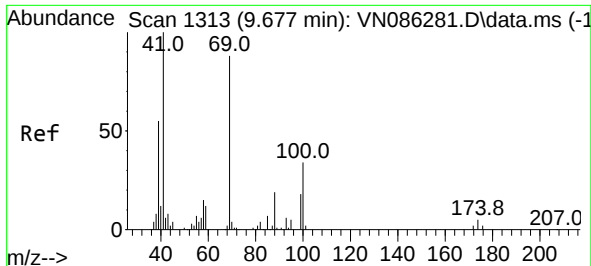
Tgt Ion: 78 Resp: 29617  
Ion Ratio Lower Upper  
78 100  
77 24.7 19.4 29.2



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.641 min Scan# 1137  
Delta R.T. -0.042 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 43 Resp: 2516  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.5 30.7#  
87 0.0 10.5 15.7#





#48

Methyl methacrylate

Concen: 0.440 ug/l

RT: 9.635 min Scan# 11

Delta R.T. -0.041 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

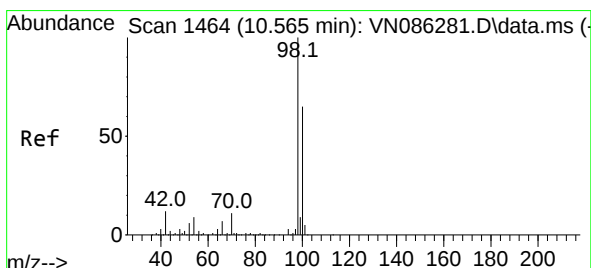
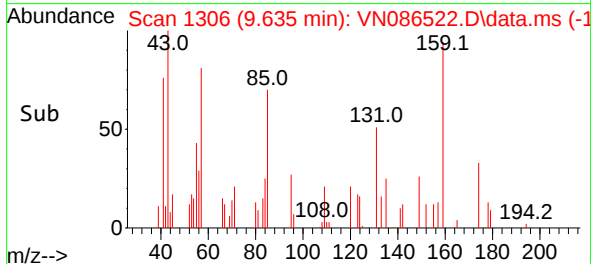
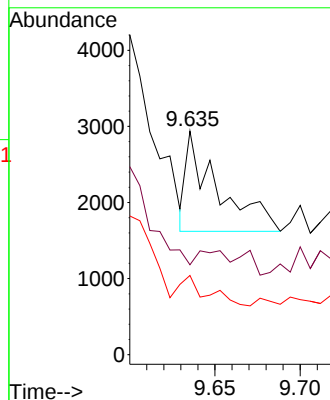
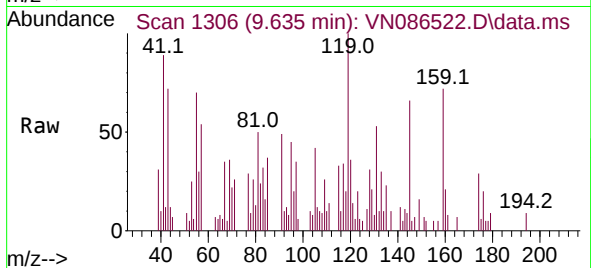
Tgt Ion: 41 Resp: 1696

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 0.0 45.2 67.8#



#50

Toluene-d8

Concen: 51.034 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086522.D

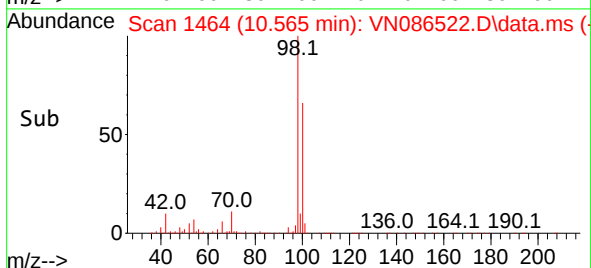
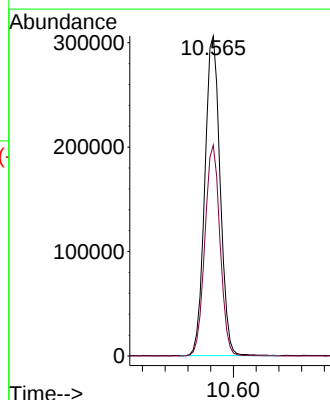
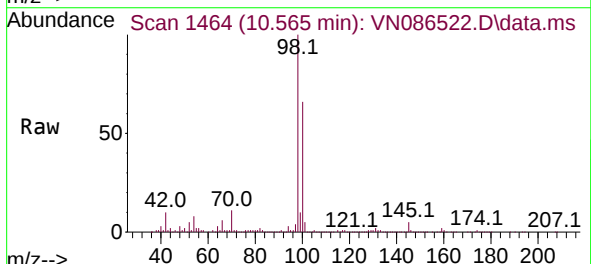
Acq: 06 May 2025 18:12

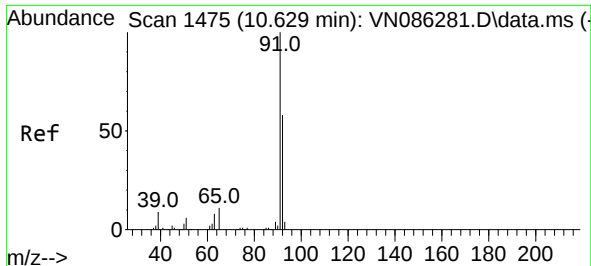
Tgt Ion: 98 Resp: 569842

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

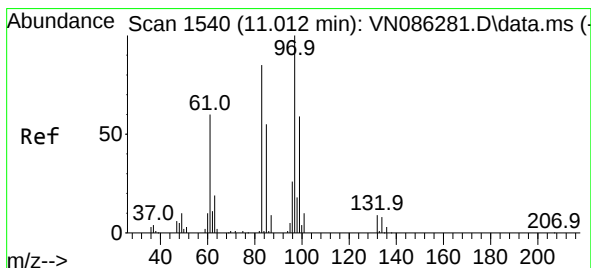
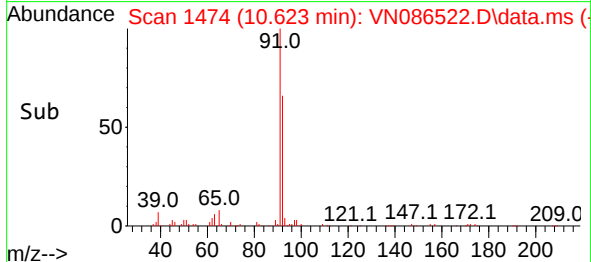
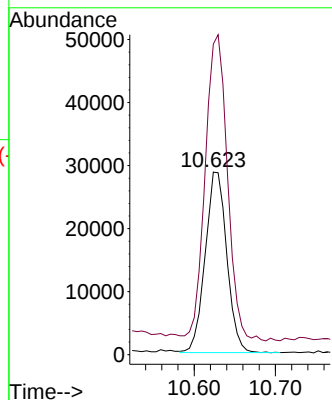
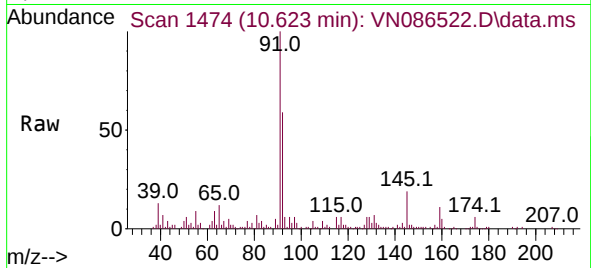




#52  
Toluene  
Concen: 6.342 ug/l  
RT: 10.623 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

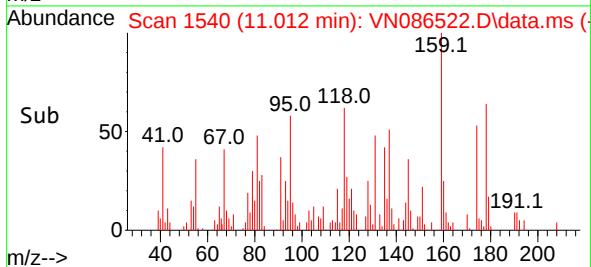
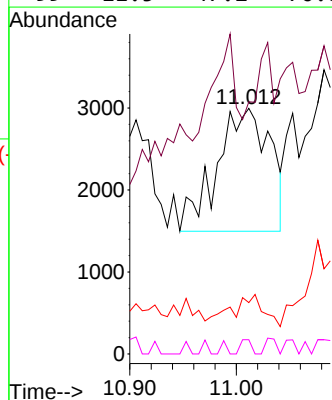
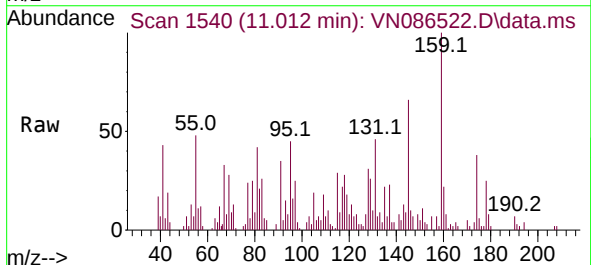
Instrument :  
MSVOA\_N  
ClientSampleId :  
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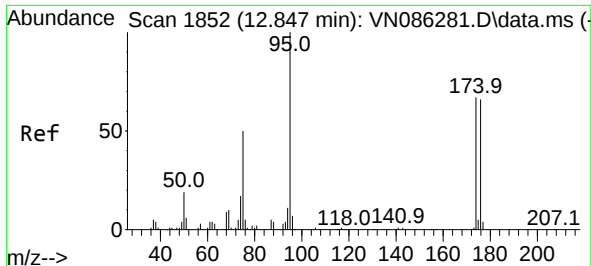
Tgt Ion: 92 Resp: 52905  
Ion Ratio Lower Upper  
92 100  
91 175.2 137.3 205.9



#55  
1,1,2-Trichloroethane  
Concen: 1.729 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 97 Resp: 5189  
Ion Ratio Lower Upper  
97 100  
83 18.1 68.4 102.6#  
85 19.5 43.9 65.9#  
99 11.5 47.2 70.8#

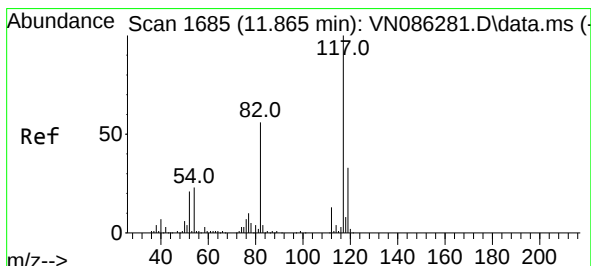
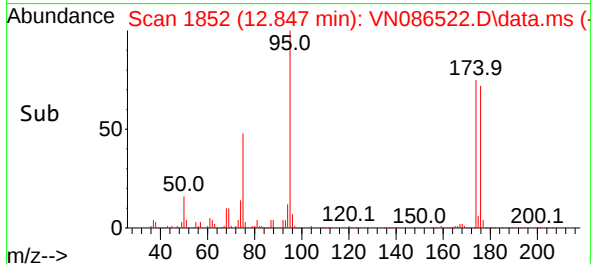
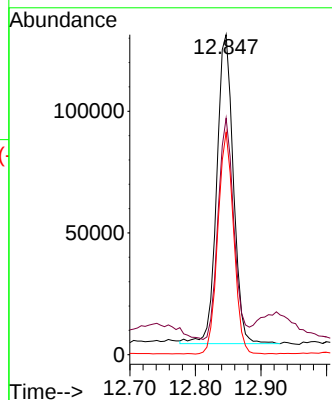
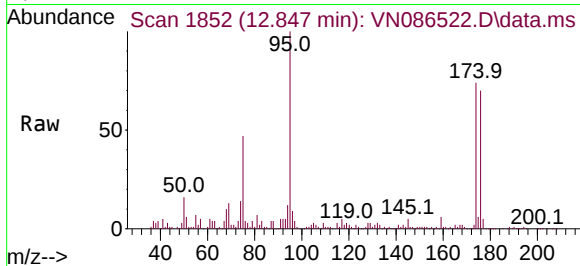




#62  
4-Bromofluorobenzene  
Concen: 54.671 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

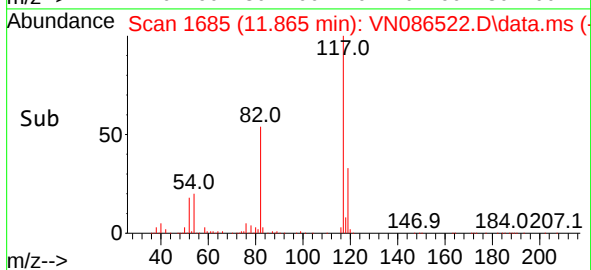
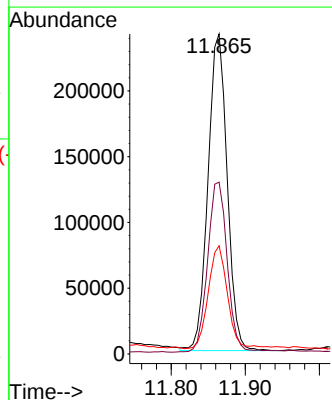
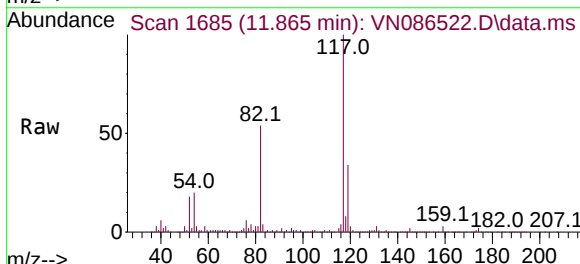
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ClientSampleId :  
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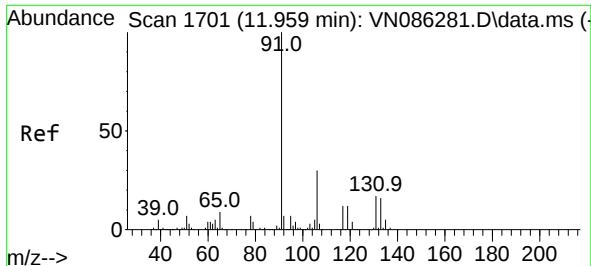
Tgt Ion: 95 Resp: 222660  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 133.4  
176 68.1 0.0 129.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 117 Resp: 432129  
Ion Ratio Lower Upper  
117 100  
82 53.6 44.7 67.1  
119 32.2 26.4 39.6

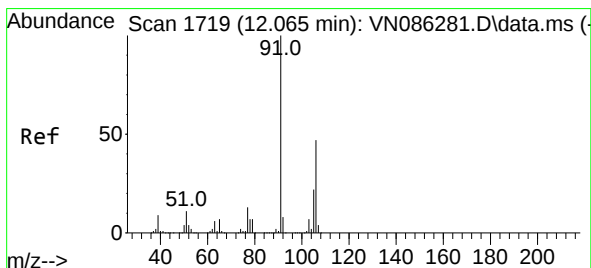
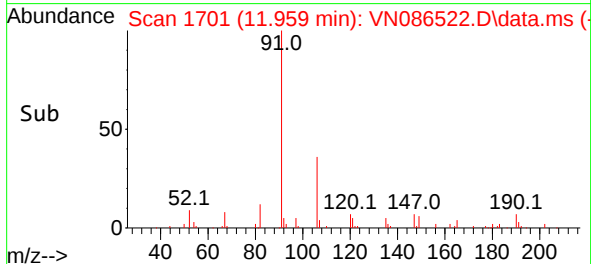
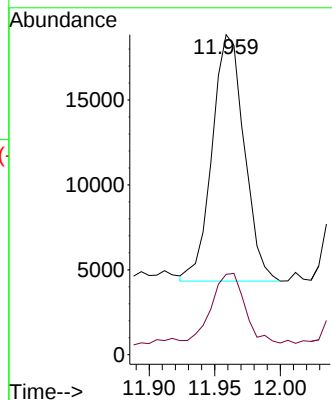
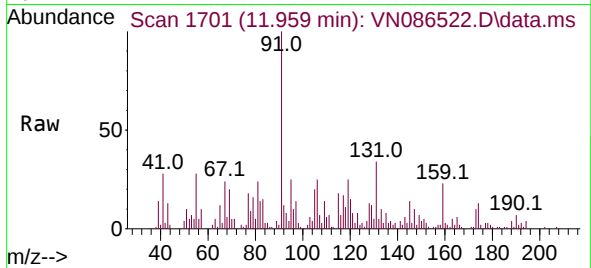




#67  
Ethyl Benzene  
Concen: 1.421 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

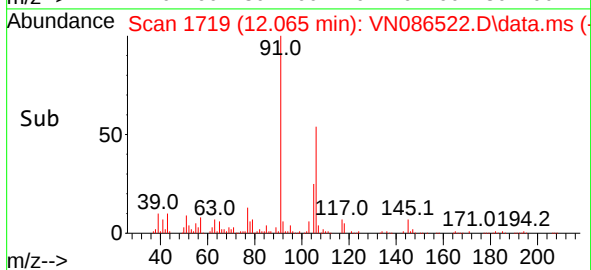
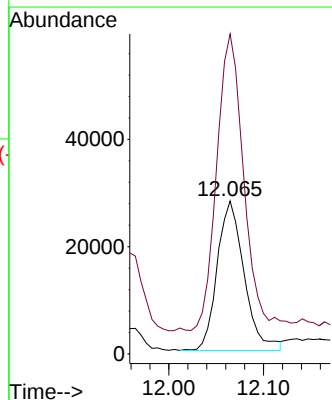
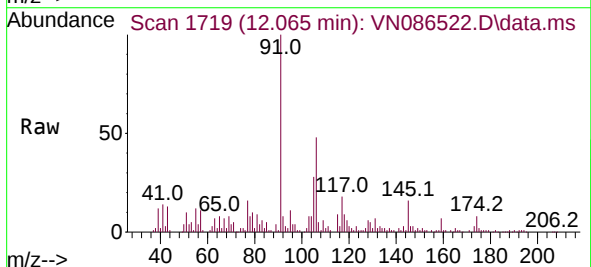
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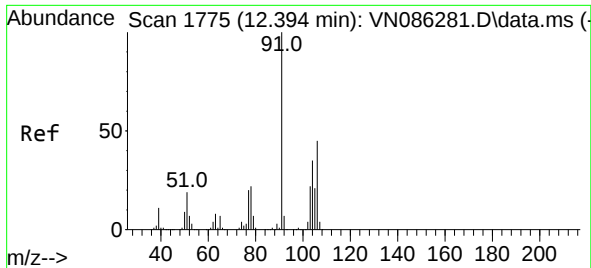
Tgt Ion: 91 Resp: 24734  
Ion Ratio Lower Upper  
91 100  
106 27.8 24.3 36.5



#68  
m/p-Xylenes  
Concen: 8.454 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion:106 Resp: 55128  
Ion Ratio Lower Upper  
106 100  
91 200.4 166.5 249.7

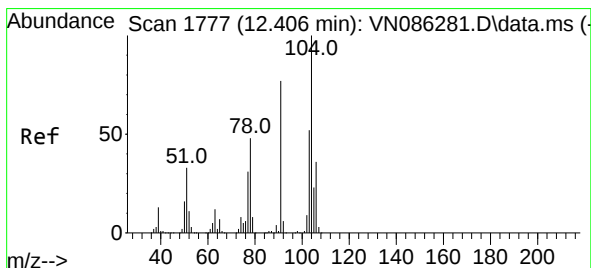
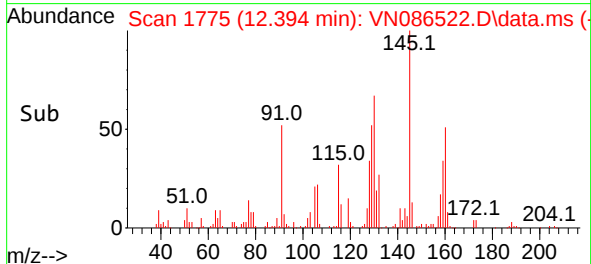
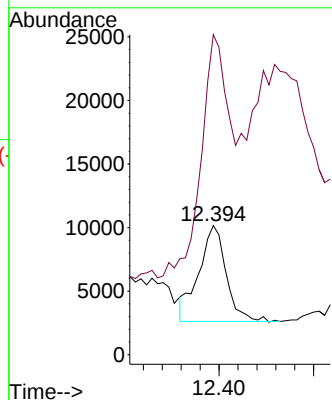
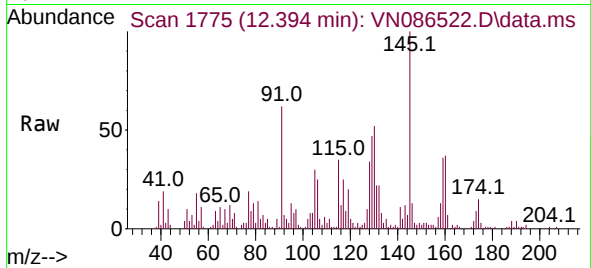




#69  
o-Xylene  
Concen: 2.342 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

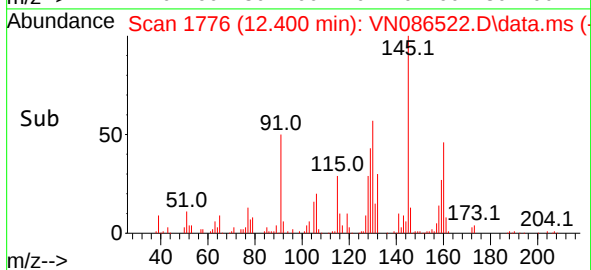
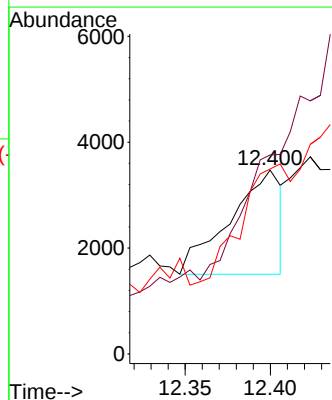
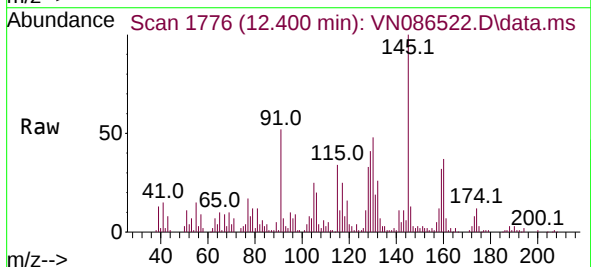
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ClientSampleId :  
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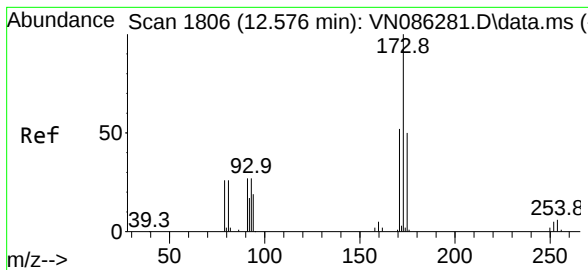
Tgt Ion:106 Resp: 15101  
Ion Ratio Lower Upper  
106 100  
91 268.4 109.7 329.0



#70  
Styrene  
Concen: 0.384 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion:104 Resp: 4125  
Ion Ratio Lower Upper  
104 100  
78 0.0 40.6 61.0#  
103 106.3 43.6 65.4#

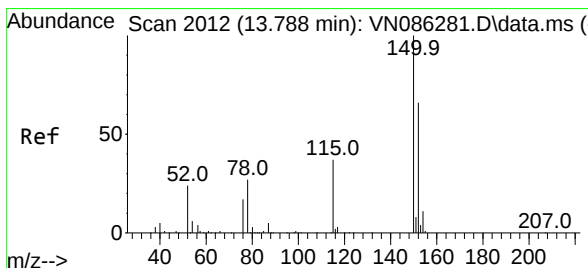
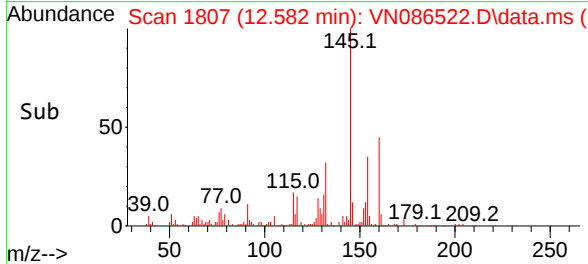
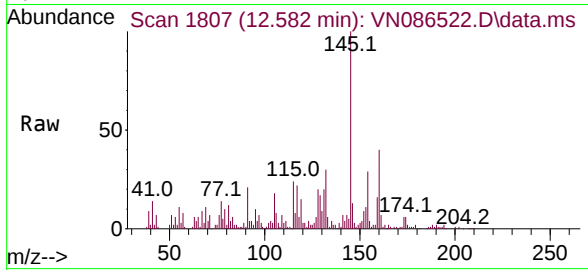




#71  
Bromoform  
Concen: 0.885 ug/l  
RT: 12.582 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

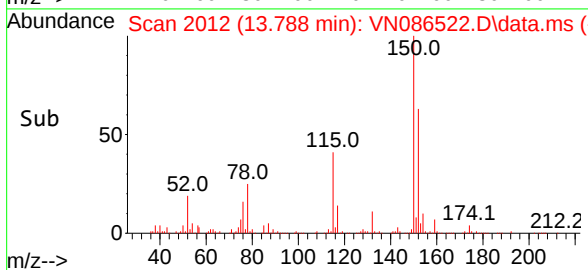
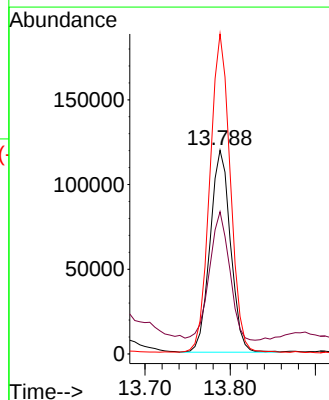
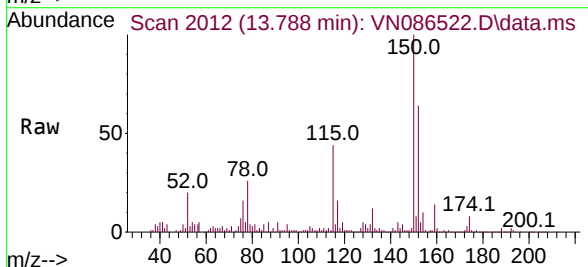
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

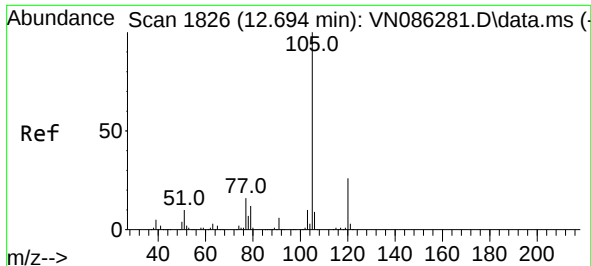
Tgt Ion:173 Resp: 2119  
Ion Ratio Lower Upper  
173 100  
175 37.8 24.6 73.6  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion:152 Resp: 198798  
Ion Ratio Lower Upper  
152 100  
115 63.2 31.9 95.9  
150 156.9 0.0 352.0

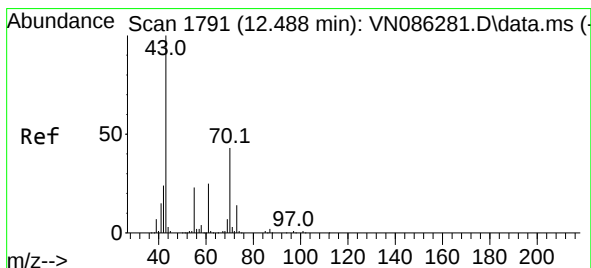
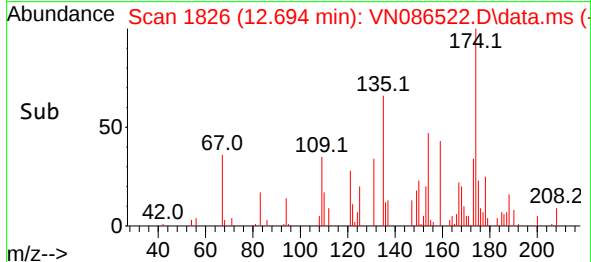
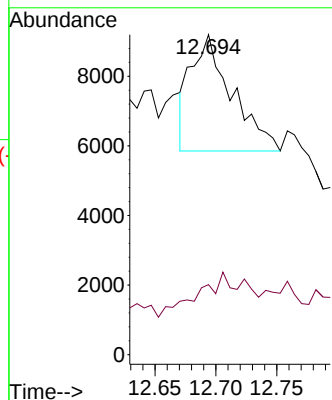
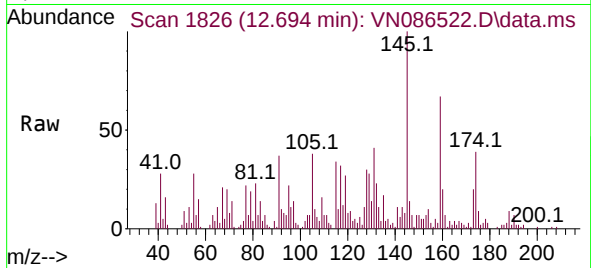




#73  
Isopropylbenzene  
Concen: 0.481 ug/l  
RT: 12.694 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

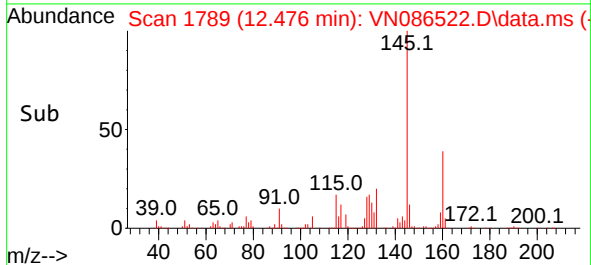
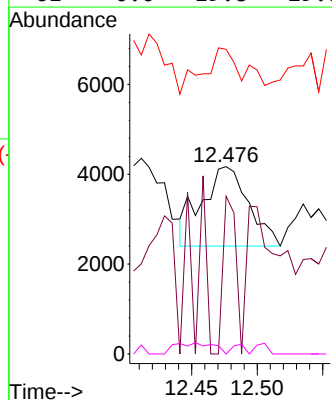
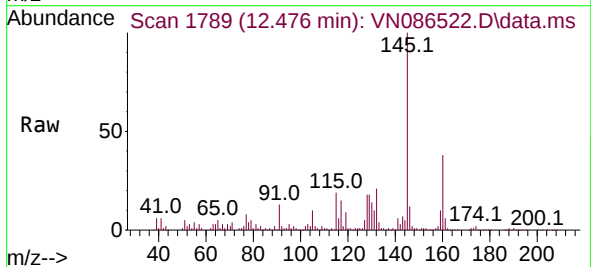
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

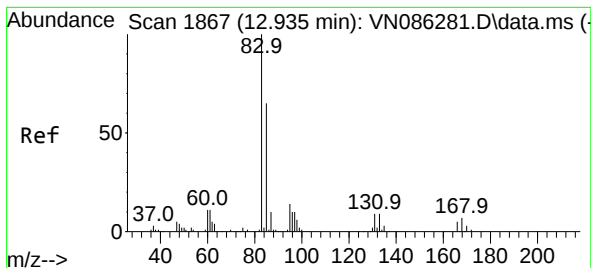
Tgt Ion:105 Resp: 7825  
Ion Ratio Lower Upper  
105 100  
120 33.3 13.1 39.3



#74  
N-ethyl acetate  
Concen: 0.545 ug/l  
RT: 12.476 min Scan# 1789  
Delta R.T. -0.012 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 43 Resp: 4410  
Ion Ratio Lower Upper  
43 100  
70 53.2 35.0 52.4#  
55 39.3 19.0 28.4#  
61 0.0 19.8 29.8#





#75

1,1,2-Tetrachloroethane

Concen: 0.298 ug/l

RT: 12.882 min Scan# 11

Delta R.T. -0.053 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

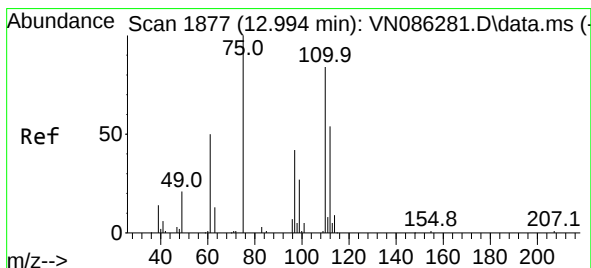
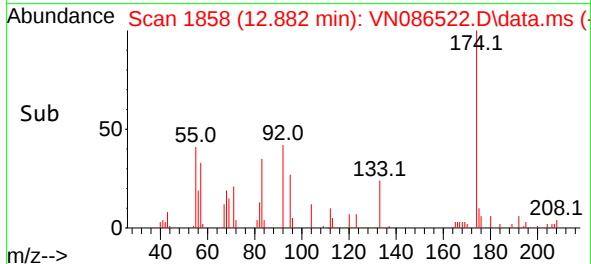
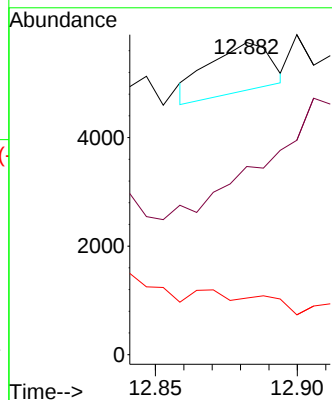
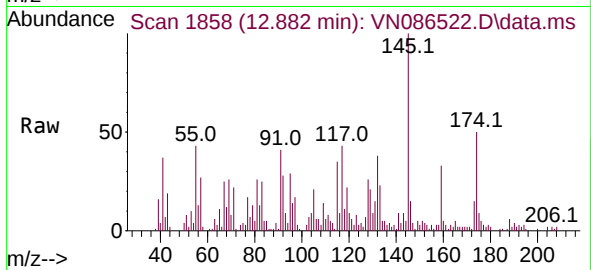
Tgt Ion: 83 Resp: 1392

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.7 98.1#



#76

1,2,3-Trichloropropane

Concen: 21.856 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086522.D

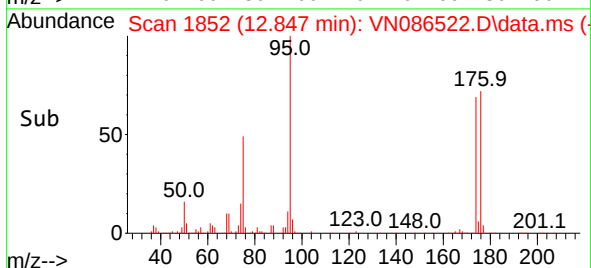
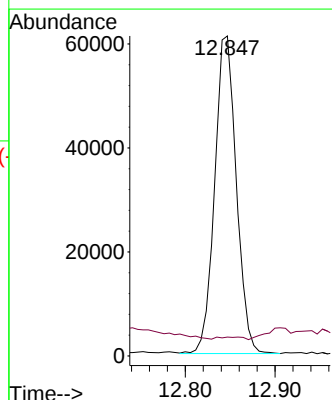
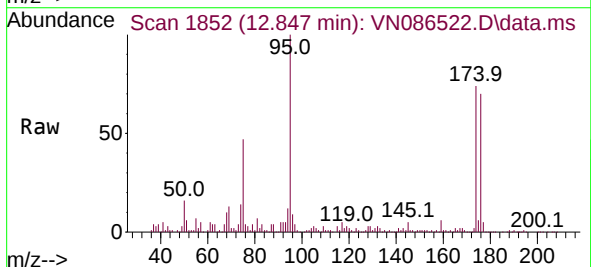
Acq: 06 May 2025 18:12

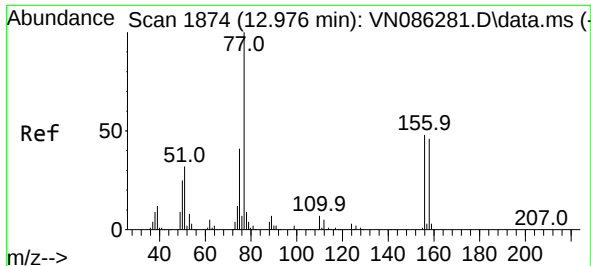
Tgt Ion: 75 Resp: 102535

Ion Ratio Lower Upper

75 100

77 0.9 98.8 296.4#

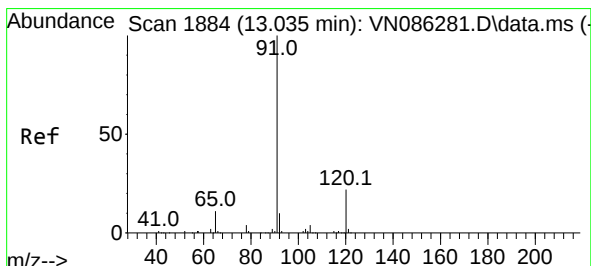
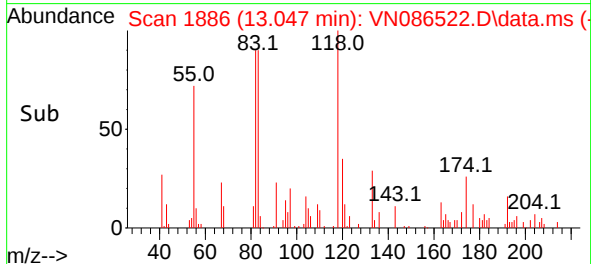
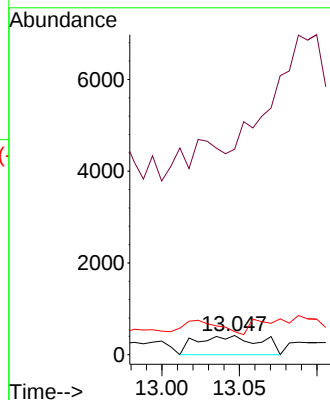
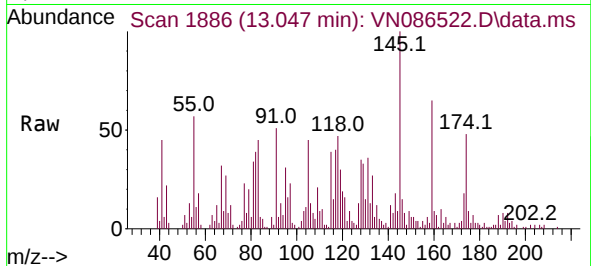




#77  
Bromobenzene  
Concen: 0.325 ug/l  
RT: 13.047 min Scan# 1886  
Delta R.T. 0.070 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

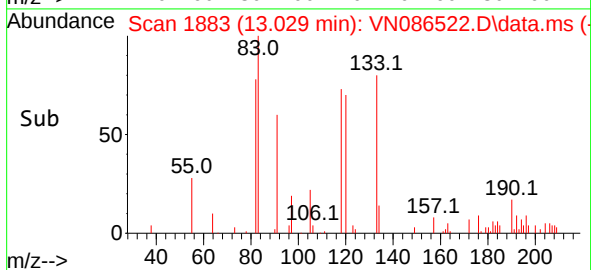
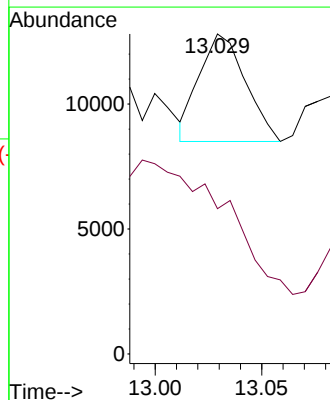
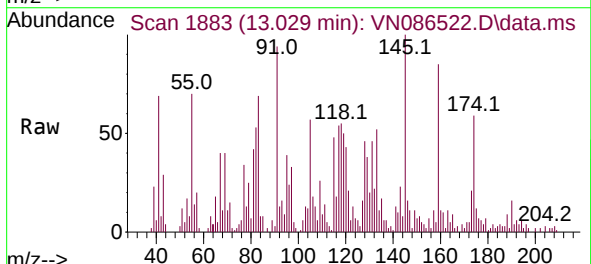
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

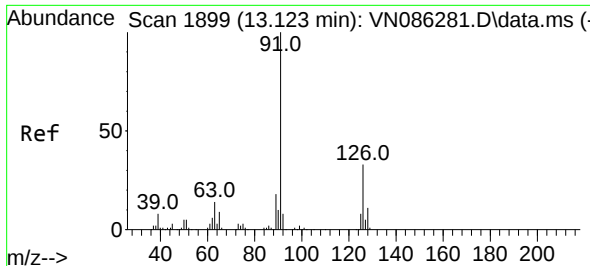
Tgt Ion:156 Resp: 1171  
Ion Ratio Lower Upper  
156 100  
77 0.0 121.1 363.1#  
158 26.0 47.9 143.6#



#78  
n-propylbenzene  
Concen: 0.339 ug/l  
RT: 13.029 min Scan# 1883  
Delta R.T. -0.006 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 91 Resp: 6488  
Ion Ratio Lower Upper  
91 100  
120 0.0 11.1 33.3#

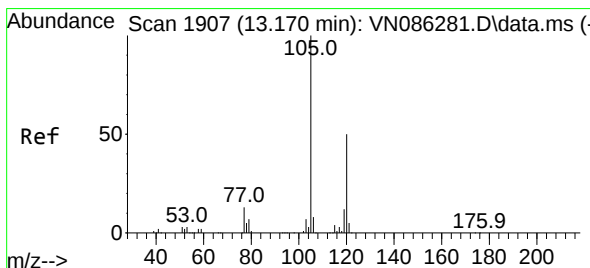
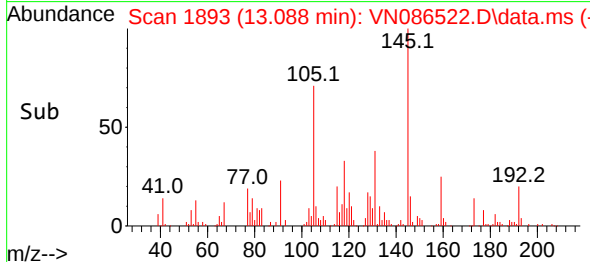
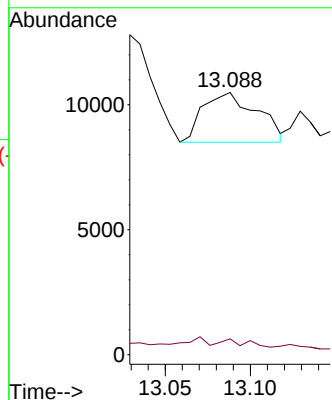
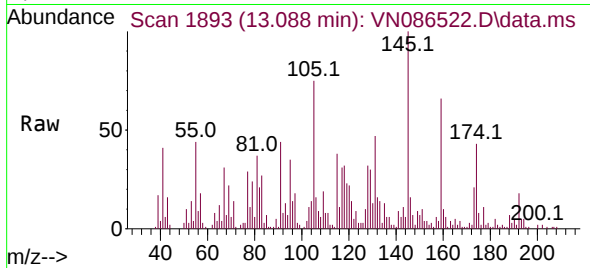




#79  
2-Chlorotoluene  
Concen: 0.366 ug/l  
RT: 13.088 min Scan# 1899  
Delta R.T. -0.035 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

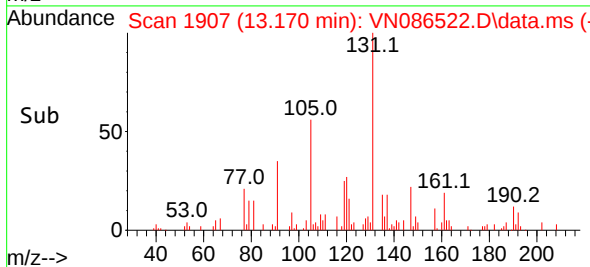
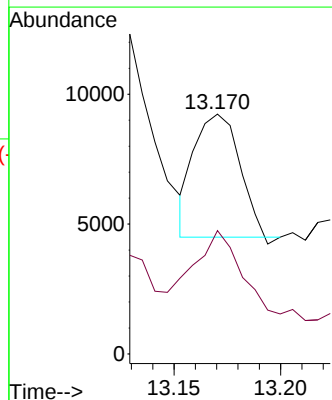
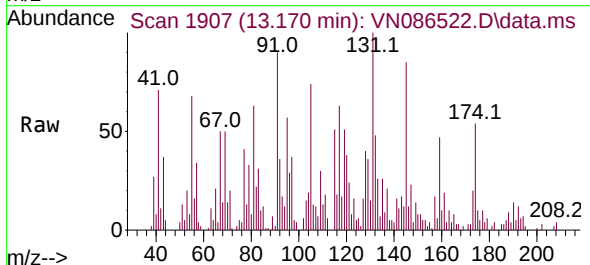
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

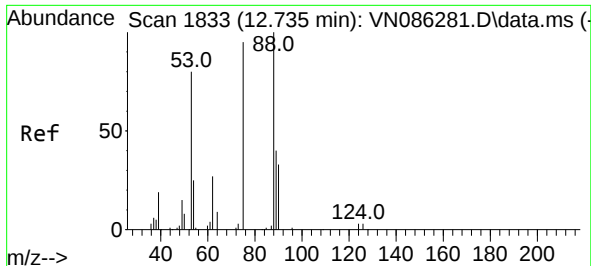
Tgt Ion: 91 Resp: 4394  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.1 48.2#



#80  
1,3,5-Trimethylbenzene  
Concen: 0.522 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 105 Resp: 6952  
Ion Ratio Lower Upper  
105 100  
120 116.6 24.5 73.5#

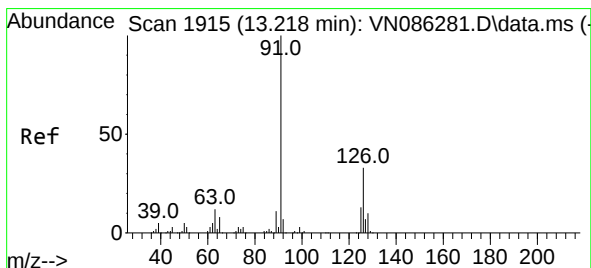
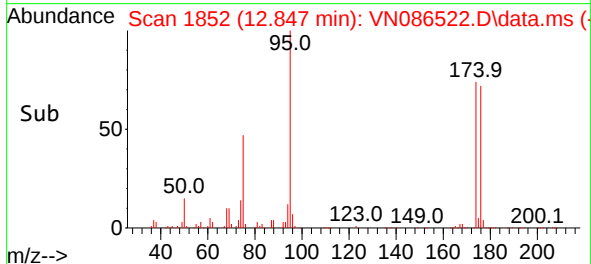
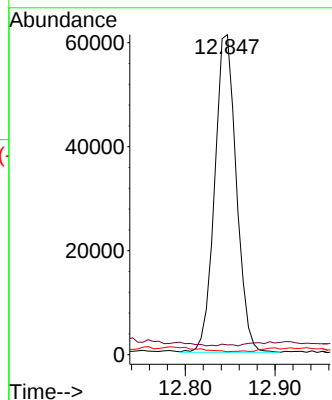
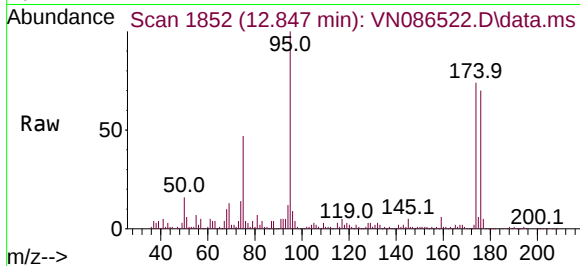




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.491 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

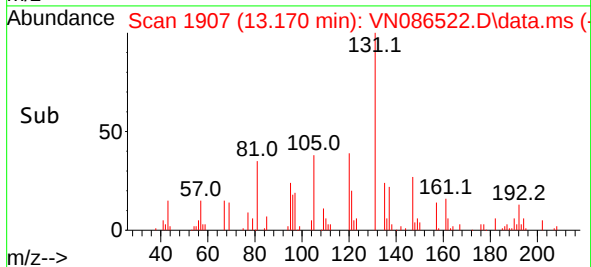
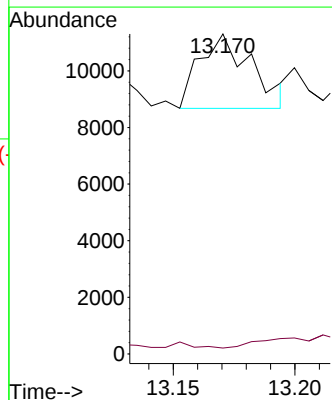
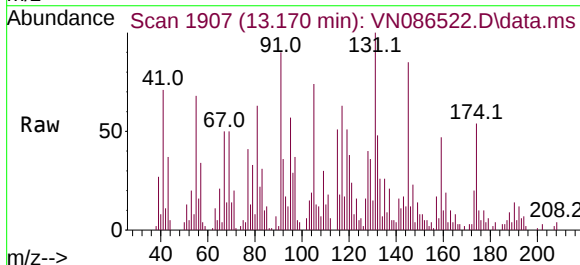
Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL

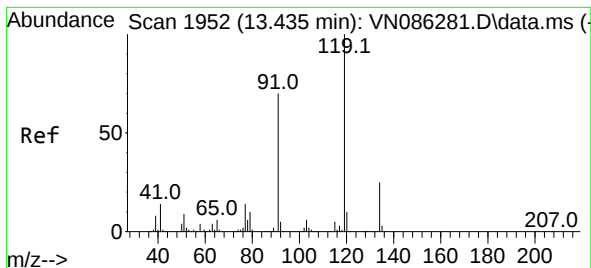
Tgt Ion: 75 Resp: 102535  
Ion Ratio Lower Upper  
75 100  
53 0.2 79.2 118.8#  
89 0.0 35.7 53.5#



#82  
4-Chlorotoluene  
Concen: 0.326 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.047 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Tgt Ion: 91 Resp: 3884  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.2 48.6#





#83

tert-Butylbenzene

Concen: 0.794 ug/l

RT: 13.676 min Scan# 1993

Delta R.T. 0.241 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

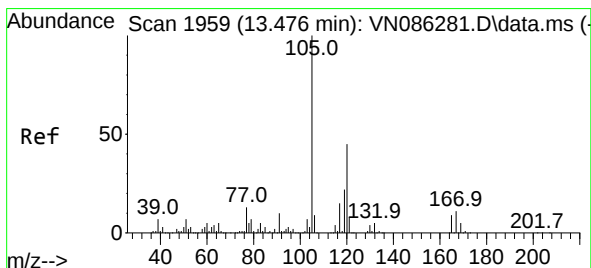
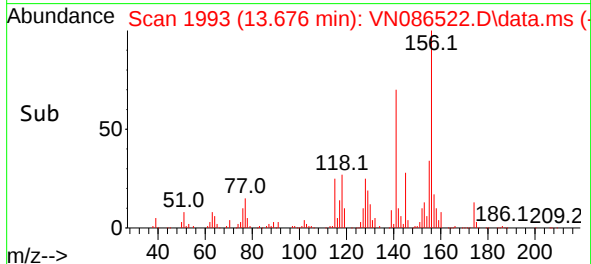
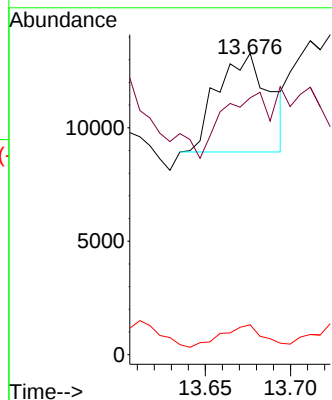
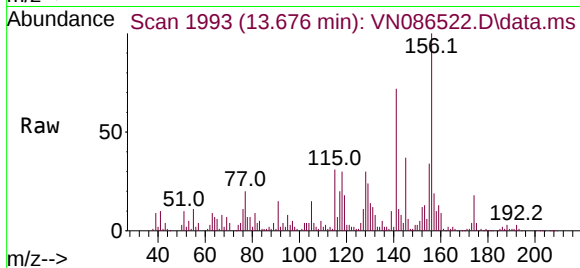
Tgt Ion:119 Resp: 9161

Ion Ratio Lower Upper

119 100

91 57.4 34.4 103.3

134 18.3 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 2.350 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086522.D

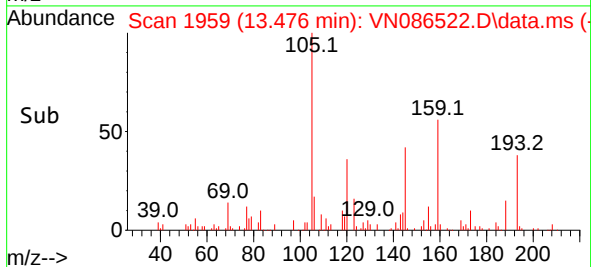
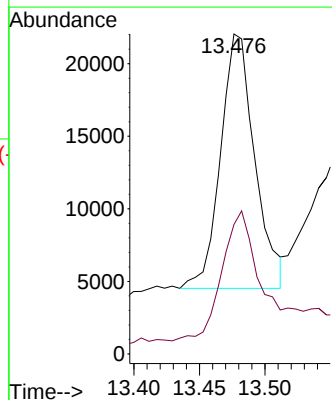
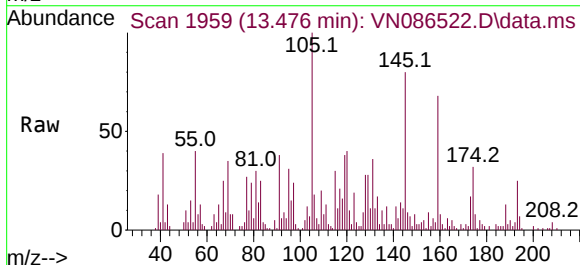
Acq: 06 May 2025 18:12

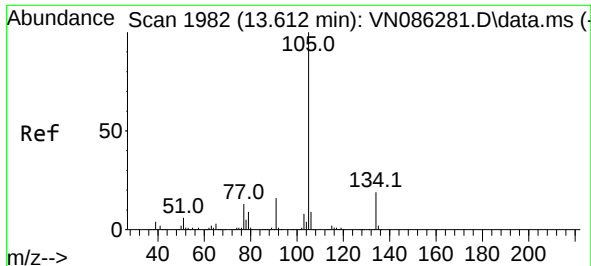
Tgt Ion:105 Resp: 31845

Ion Ratio Lower Upper

105 100

120 62.5 22.4 67.3

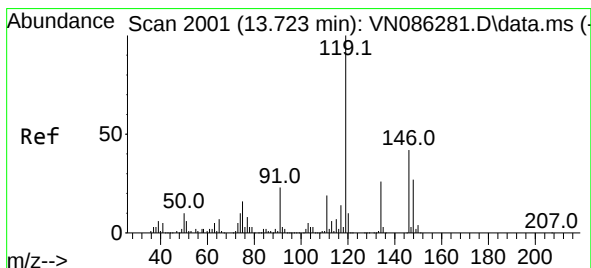
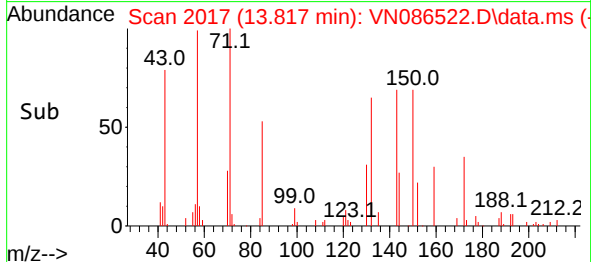
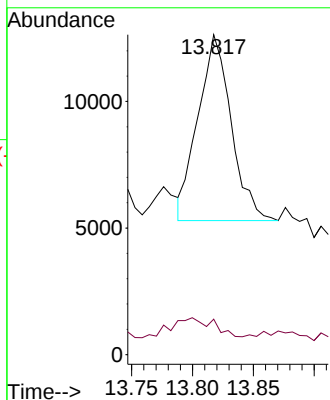
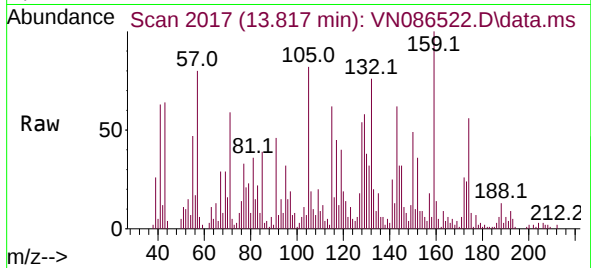




#85  
 sec-Butylbenzene  
 Concen: 0.868 ug/l  
 RT: 13.817 min Scan# 20  
 Delta R.T. 0.206 min  
 Lab File: VN086522.D  
 Acq: 06 May 2025 18:12

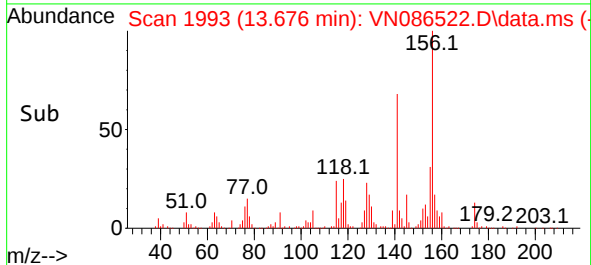
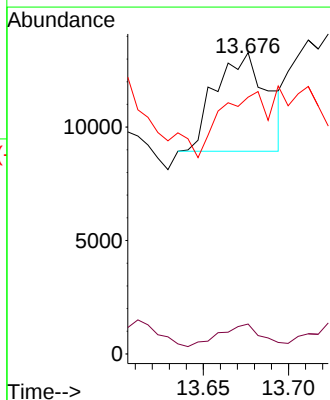
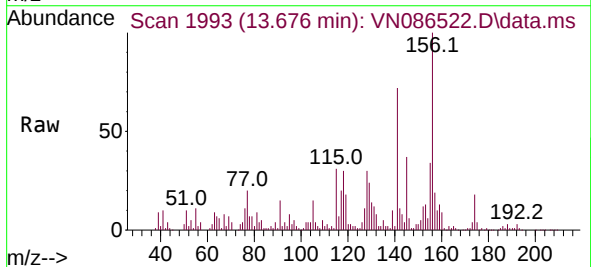
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SILICA-GEL

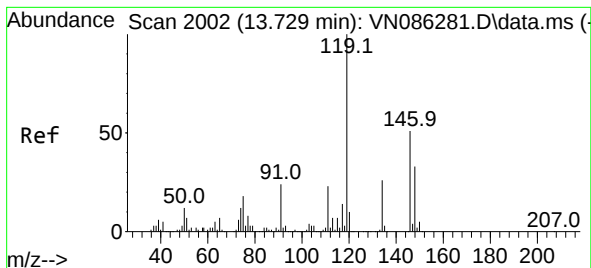
Tgt Ion:105 Resp: 13881  
 Ion Ratio Lower Upper  
 105 100  
 134 16.4 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 0.695 ug/l  
 RT: 13.676 min Scan# 1993  
 Delta R.T. -0.047 min  
 Lab File: VN086522.D  
 Acq: 06 May 2025 18:12

Tgt Ion:119 Resp: 9161  
 Ion Ratio Lower Upper  
 119 100  
 134 18.3 13.1 39.1  
 91 57.4 11.9 35.9#





#87

1,3-Dichlorobenzene

Concen: 2.539 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.024 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

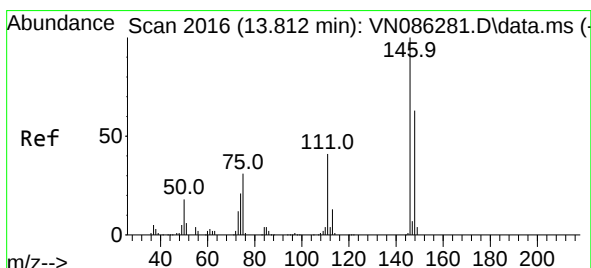
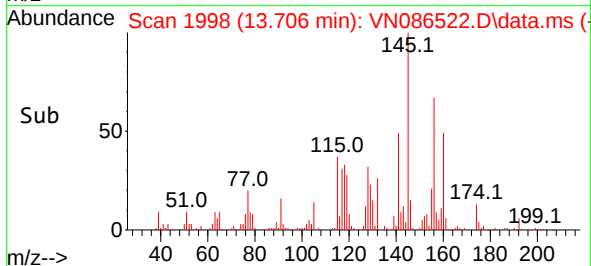
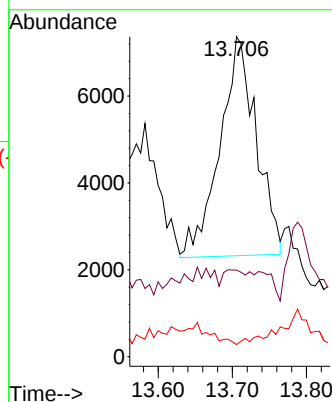
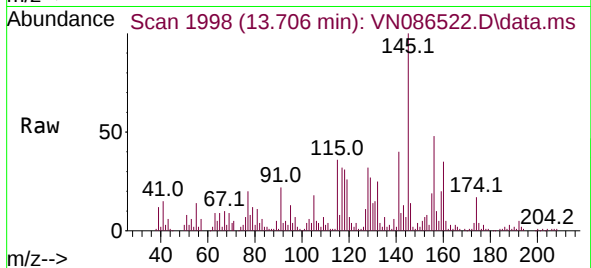
Tgt Ion:146 Resp: 17199

Ion Ratio Lower Upper

146 100

111 4.2 21.9 65.7#

148 0.0 31.9 95.5#



#88

1,4-Dichlorobenzene

Concen: 2.379 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.106 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

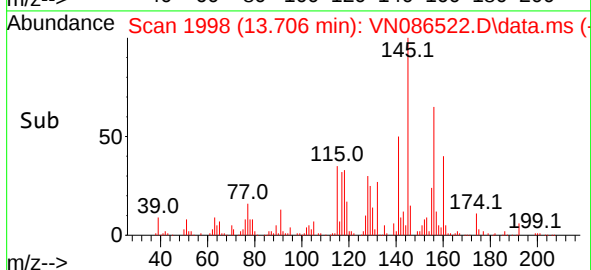
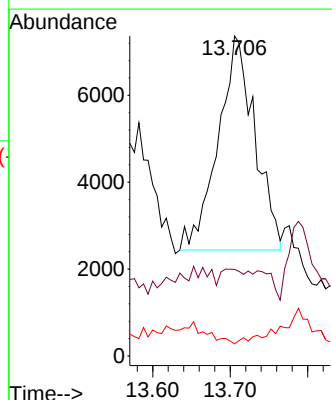
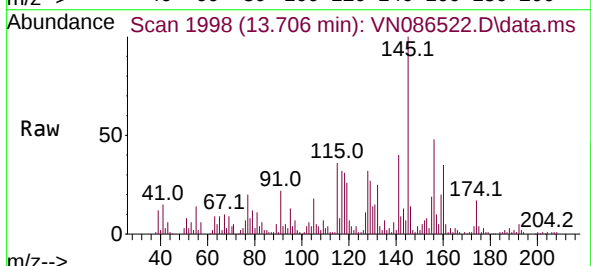
Tgt Ion:146 Resp: 16229

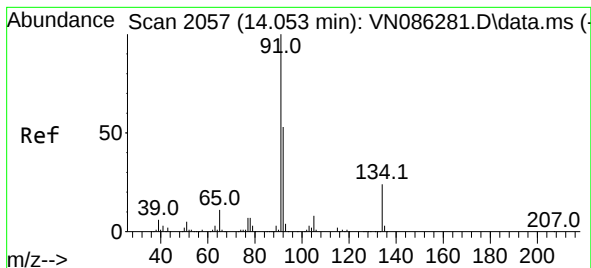
Ion Ratio Lower Upper

146 100

111 4.4 21.3 63.9#

148 0.0 31.9 95.9#





#89

n-Butylbenzene

Concen: 0.969 ug/l

RT: 14.111 min Scan# 2057

Delta R.T. 0.059 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

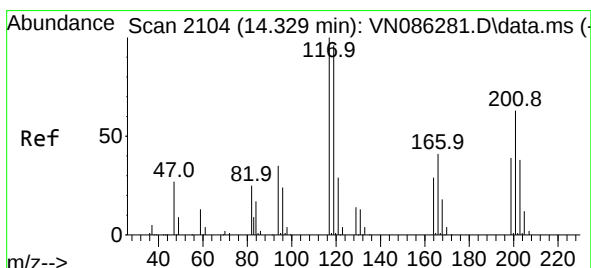
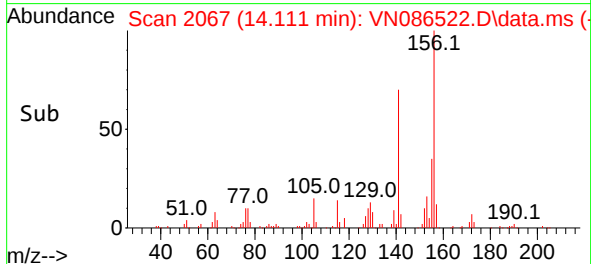
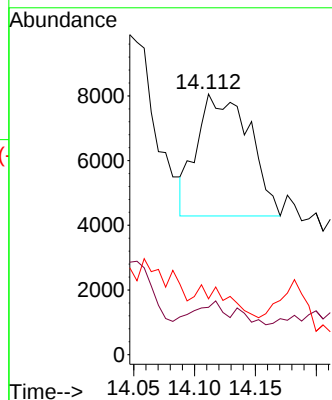
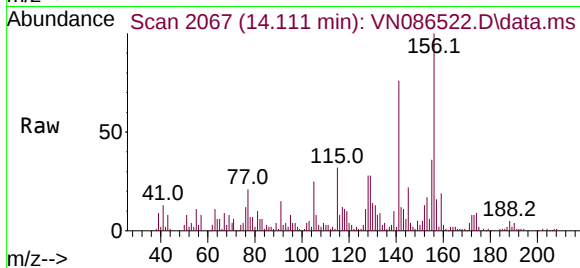
Tgt Ion: 91 Resp: 11323

Ion Ratio Lower Upper

91 100

92 8.0 26.8 80.4#

134 0.0 12.2 36.6#



#90

Hexachloroethane

Concen: 1.932 ug/l

RT: 14.323 min Scan# 2103

Delta R.T. -0.006 min

Lab File: VN086522.D

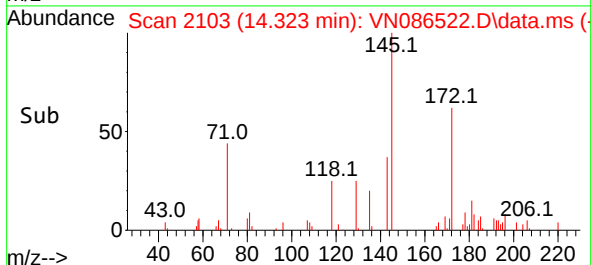
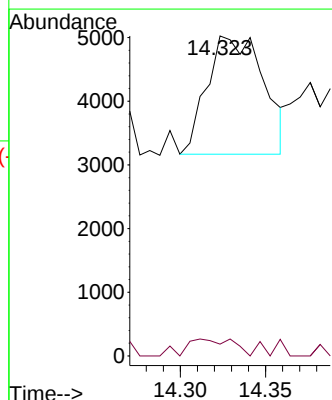
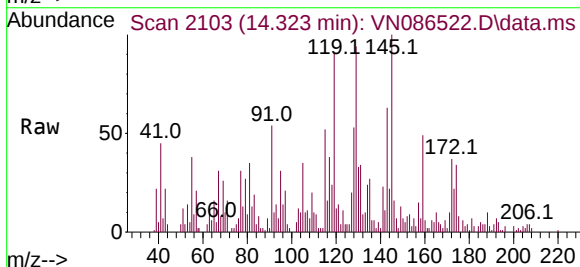
Acq: 06 May 2025 18:12

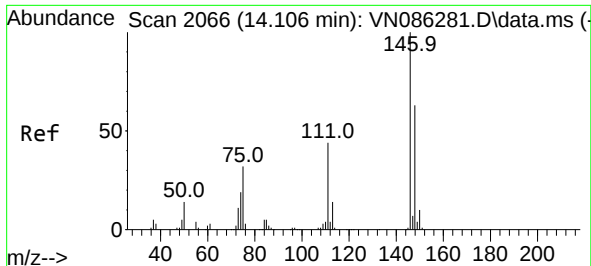
Tgt Ion: 117 Resp: 4284

Ion Ratio Lower Upper

117 100

201 12.3 31.4 94.2#





#91

1,2-Dichlorobenzene

Concen: 1.182 ug/l

RT: 14.129 min Scan# 2066

Delta R.T. 0.023 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

Instrument :

MSVOA\_N

ClientSampleId :

SILICA-GEL

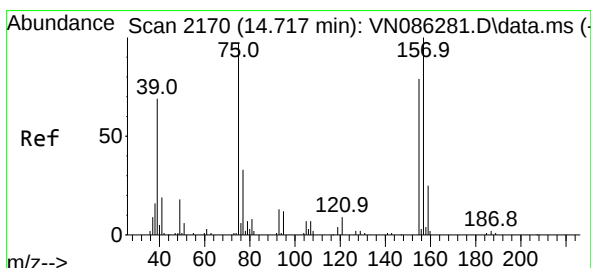
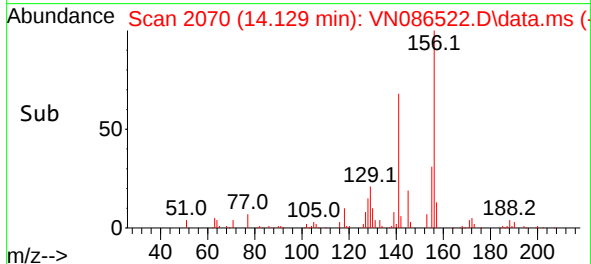
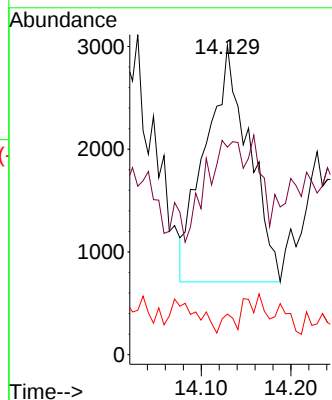
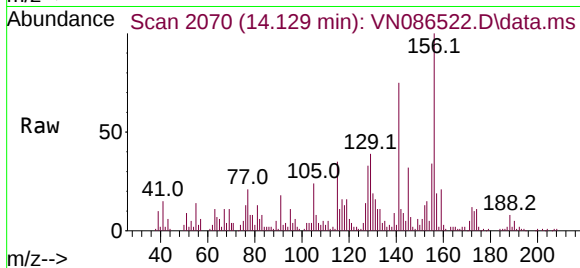
Tgt Ion:146 Resp: 7765

Ion Ratio Lower Upper

146 100

111 34.9 22.4 67.0

148 2.3 31.8 95.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.558 ug/l

RT: 14.764 min Scan# 2178

Delta R.T. 0.047 min

Lab File: VN086522.D

Acq: 06 May 2025 18:12

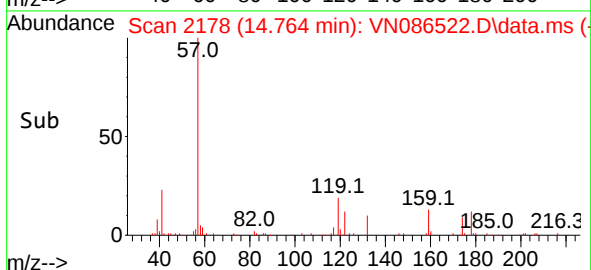
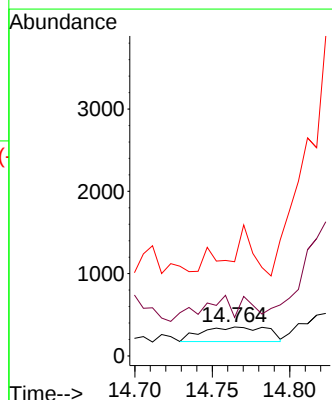
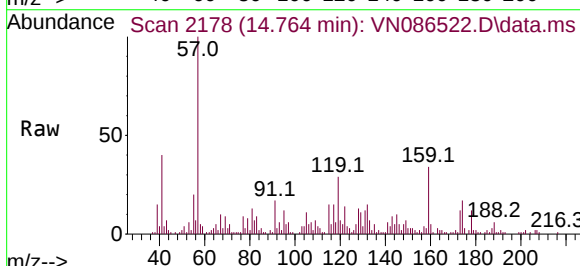
Tgt Ion: 75 Resp: 526

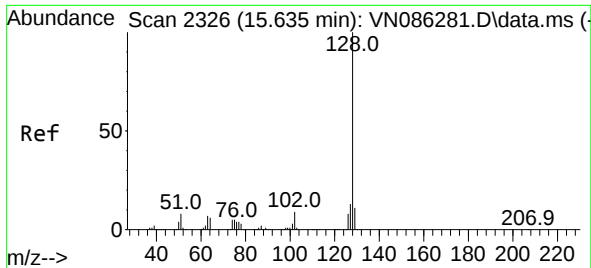
Ion Ratio Lower Upper

75 100

155 0.0 40.3 120.9#

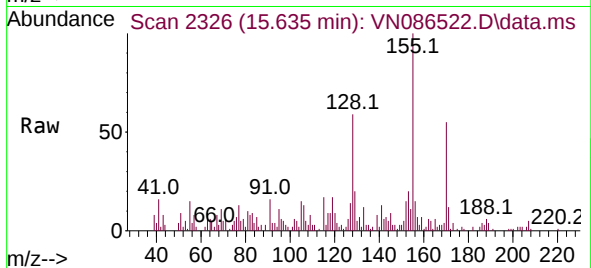
157 0.0 49.0 147.2#





#95  
Naphthalene  
Concen: 1.685 ug/l  
RT: 15.635 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN086522.D  
Acq: 06 May 2025 18:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
SILICA-GEL



Tgt Ion:128 Resp: 18785  
Ion Ratio Lower Upper  
128 100  
127 28.5 10.2 15.4#  
129 29.8 8.6 13.0#

