

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041625\  
 Data File : VN086287.D  
 Acq On : 16 Apr 2025 09:48  
 Operator : JC\MD  
 Sample : VN0416MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0416MBL01

Quant Time: Apr 17 03:05:22 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  | 181579     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 354035     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 320736     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788         | 152  | 135895     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 130772     | 49.665    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 99.340%   |        |          |
| 35) Dibromofluoromethane      | 8.159          | 113  | 90656      | 55.173    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 110.340%  |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 445645     | 50.747    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 101.500%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 156723     | 48.930    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 97.860%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 3) Chloromethane              | 2.365          | 50   | 2218       | 0.709     | ug/l   | 99       |
| 5) Bromomethane               | 2.971          | 94   | 1267       | 0.944     | ug/l   | 87       |
| 10) Methyl Iodide             | 4.595          | 142  | 1012       | 0.460     | ug/l # | 42       |
| 13) Acrolein                  | 4.183          | 56   | 653        | Below Cal | #      | 41       |
| 15) Acrylonitrile             | 5.730          | 53   | 752        | 0.633     | ug/l # | 84       |
| 16) Acetone                   | 4.430          | 43   | 2519       | Below Cal | #      | 43       |
| 17) Carbon Disulfide          | 4.718          | 76   | 4306       | 0.673     | ug/l # | 92       |
| 18) Methyl Acetate            | 5.042          | 43   | 2161       | 0.684     | ug/l # | 55       |
| 21) trans-1,2-Dichloroethene  | 5.783          | 96   | 448        | 0.201     | ug/l # | 60       |
| 23) Vinyl Acetate             | 6.594          | 43   | 1527       | 0.264     | ug/l # | 71       |
| 25) 2-Butanone                | 7.483          | 43   | 1212       | 0.740     | ug/l # | 48       |
| 29) Tetrahydrofuran           | 7.853          | 42   | 1481       | 1.351     | ug/l # | 58       |
| 31) Cyclohexane               | 8.218          | 56   | 5092       | 1.193     | ug/l # | 3        |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 15579      | 4.747     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.218          | 117  | 18636      | 5.963     | ug/l # | 16       |
| 41) Methacrylonitrile         | 7.771          | 41   | 513        | 0.256     | ug/l # | 29       |
| 43) Isopropyl Acetate         | 8.683          | 43   | 7222       | Below Cal | #      | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.441         | 43   | 1421       | 0.402     | ug/l # | 35       |
| 59) 2-Hexanone                | 11.200         | 43   | 1804       | 0.687     | ug/l   | 68       |
| 68) m/p-Xylenes               | 12.065         | 106  | 1063       | 0.220     | ug/l   | 87       |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 80356      | 25.057    | ug/l # | 1        |
| 79) 2-Chlorotoluene           | 13.218         | 91   | 1806       | 0.220     | ug/l   | 87       |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 80356      | 60.178    | ug/l # | 10       |
| 82) 4-Chlorotoluene           | 13.218         | 91   | 1806       | 0.222     | ug/l   | 86       |
| 85) sec-Butylbenzene          | 13.612         | 105  | 3114       | 0.285     | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.723         | 119  | 2434       | 0.270     | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.729         | 146  | 1153       | 0.249     | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.729         | 146  | 1153       | 0.247     | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.053         | 91   | 4068       | 0.509     | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106         | 146  | 1138       | 0.253     | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.388         | 180  | 1645       | 0.765     | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.494         | 225  | 796        | 0.981     | ug/l   | 88       |
| 95) Naphthalene               | 15.641         | 128  | 8171       | 1.072     | ug/l   | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.835         | 180  | 1978       | 0.972     | ug/l   | 87       |
| -----                         |                |      |            |           |        |          |

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Acq On : 16 Apr 2025 09:48  
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Sample : VN0416MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

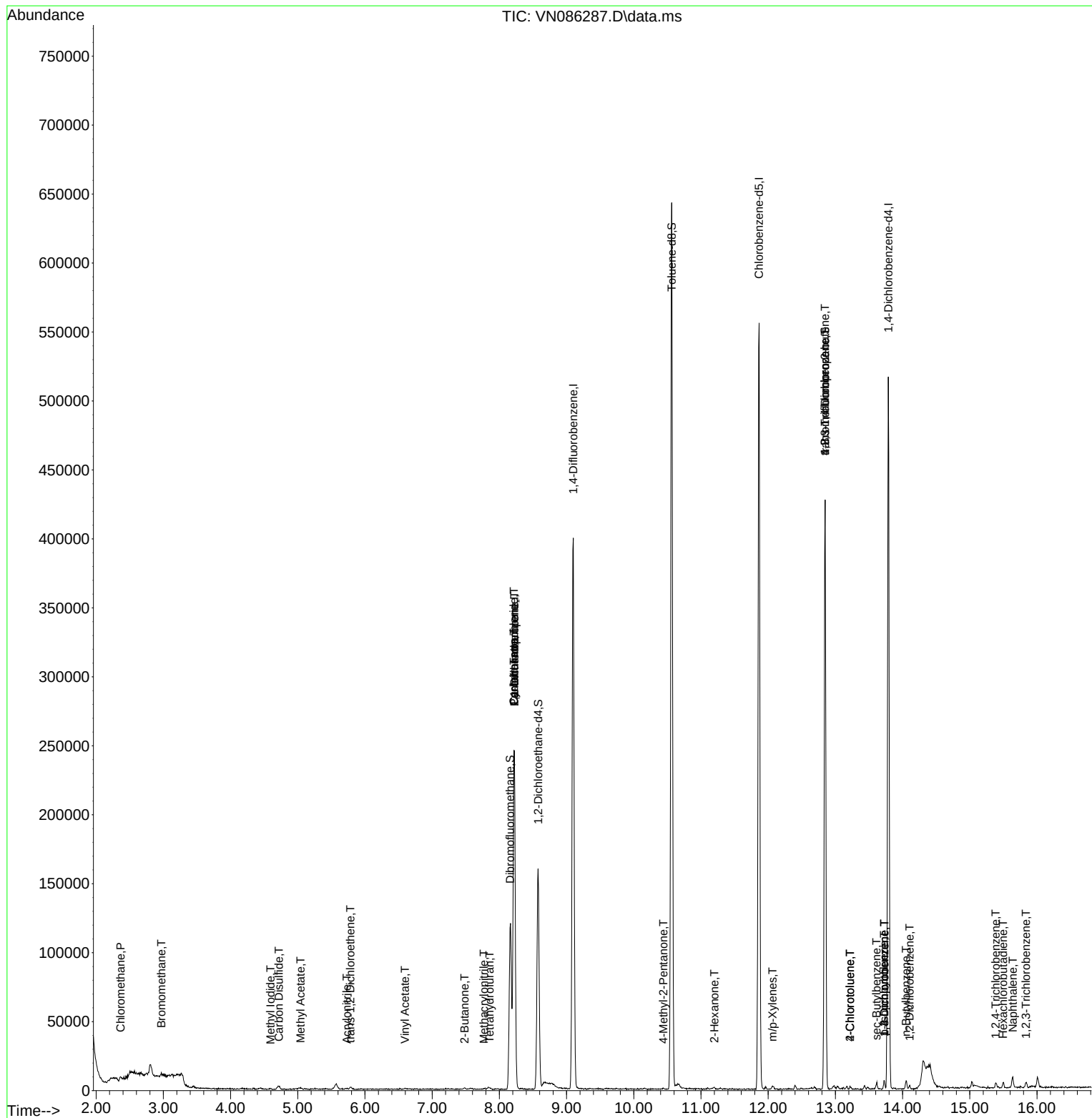
Quant Time: Apr 17 03:05:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

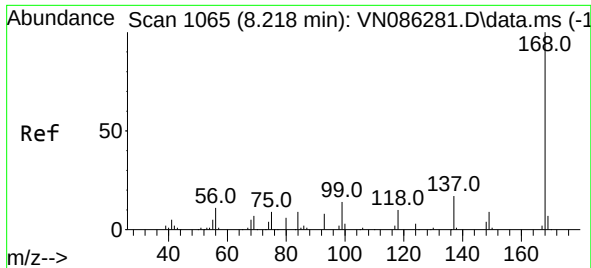
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
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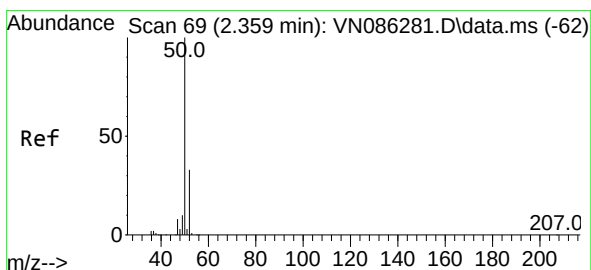
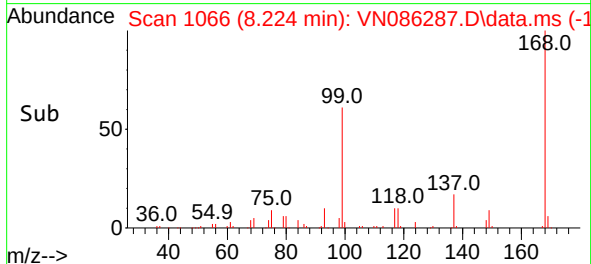
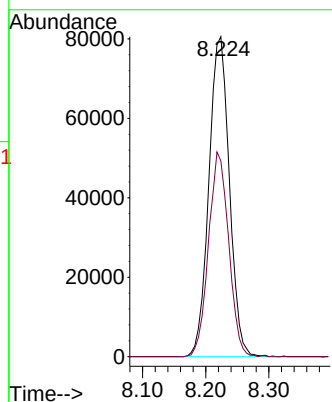
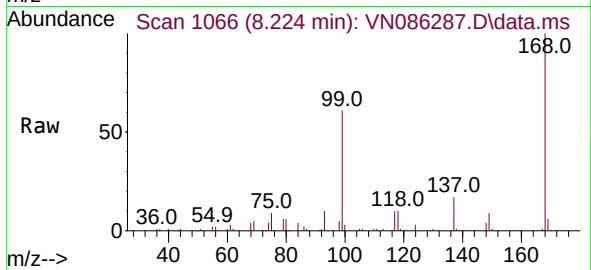




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

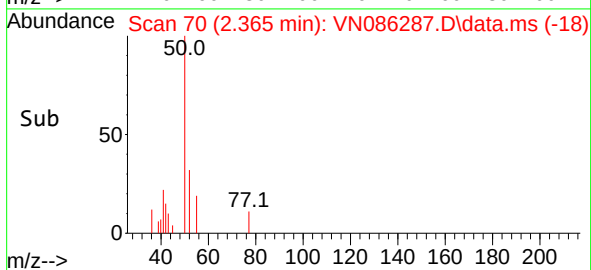
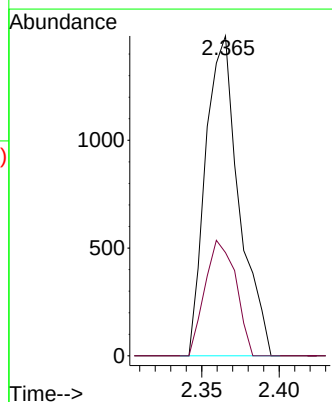
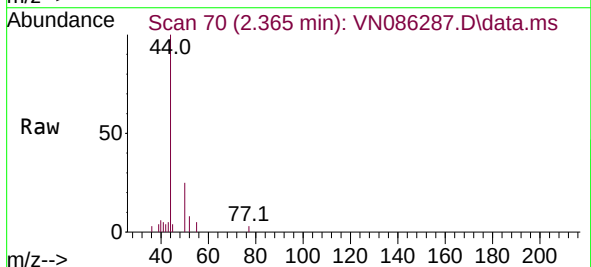
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

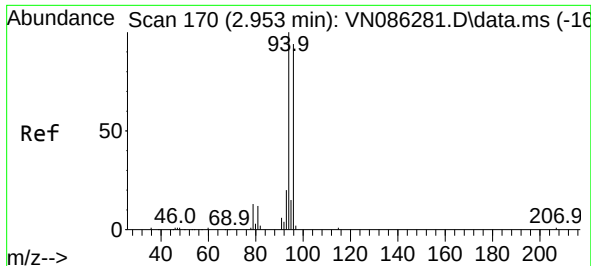
Tgt Ion:168 Resp: 181579  
Ion Ratio Lower Upper  
168 100  
99 61.2 52.5 78.7



#3  
Chloromethane  
Concen: 0.709 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 50 Resp: 2218  
Ion Ratio Lower Upper  
50 100  
52 32.3 26.5 39.7

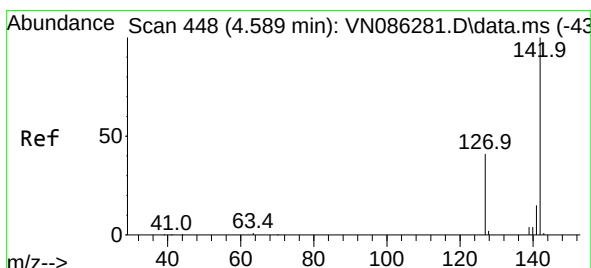
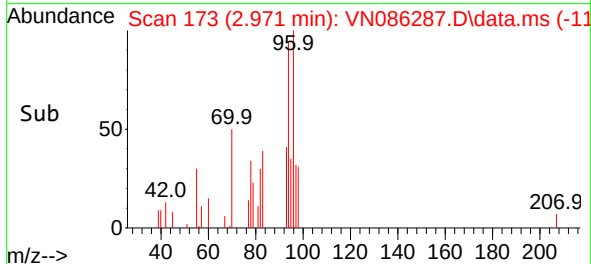
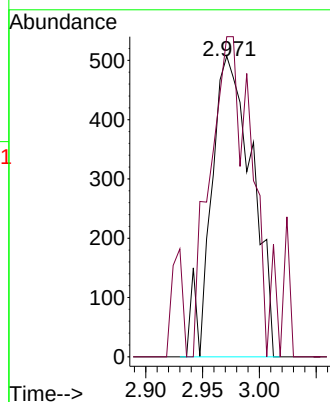
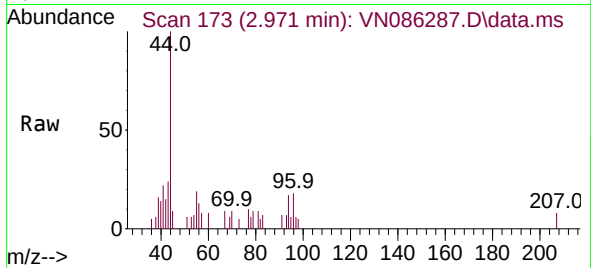




#5  
Bromomethane  
Concen: 0.944 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

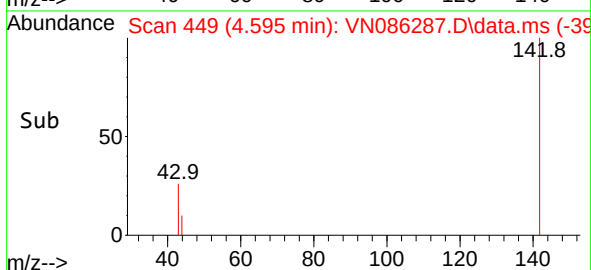
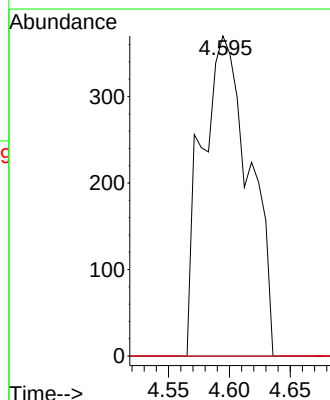
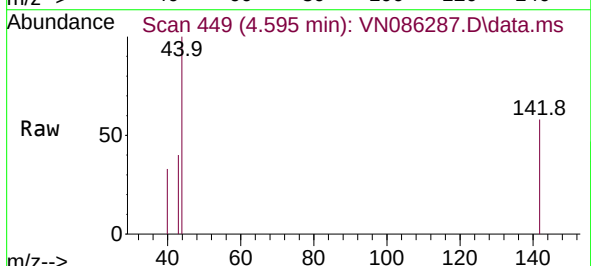
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

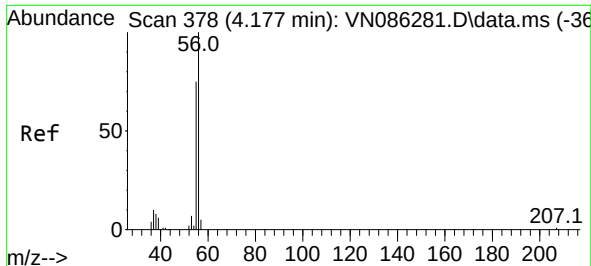
Tgt Ion: 94 Resp: 1267  
Ion Ratio Lower Upper  
94 100  
96 106.5 75.2 112.8



#10  
Methyl Iodide  
Concen: 0.460 ug/l  
RT: 4.595 min Scan# 449  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 142 Resp: 1012  
Ion Ratio Lower Upper  
142 100  
127 0.0 32.7 49.1#  
141 0.0 11.7 17.5#

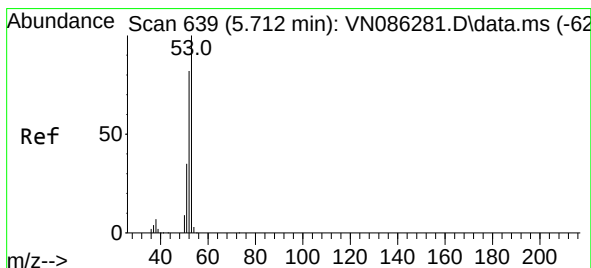
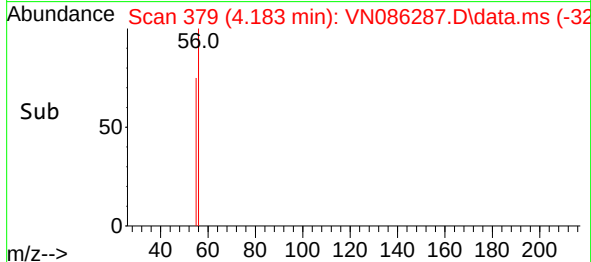
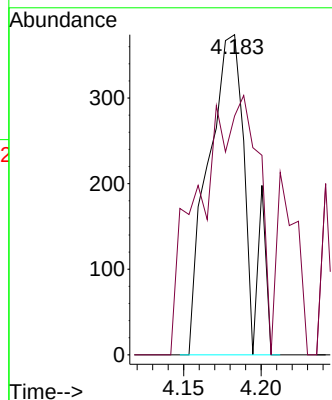
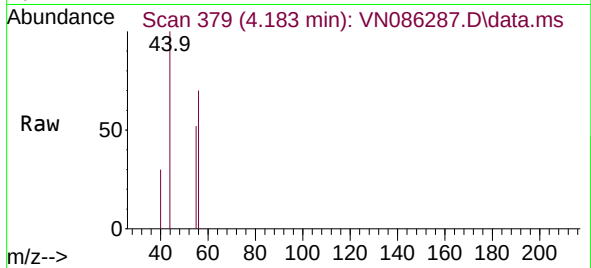




#13  
Acrolein  
Concen: Below Cal  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

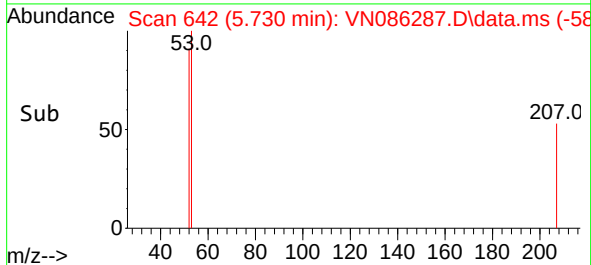
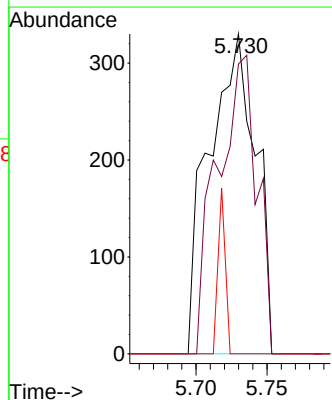
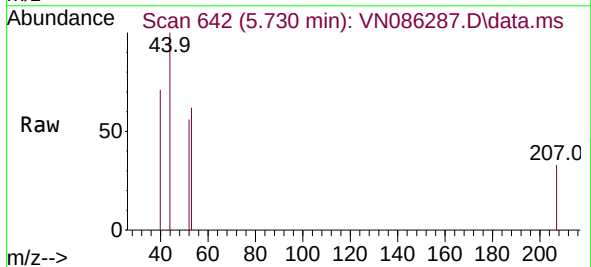
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

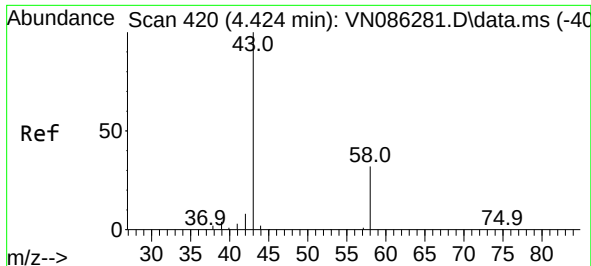
Tgt Ion: 56 Resp: 653  
Ion Ratio Lower Upper  
56 100  
55 123.0 58.5 87.7#



#15  
Acrylonitrile  
Concen: 0.633 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. 0.018 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 53 Resp: 752  
Ion Ratio Lower Upper  
53 100  
52 79.8 65.5 98.3  
51 8.0 28.6 42.8#

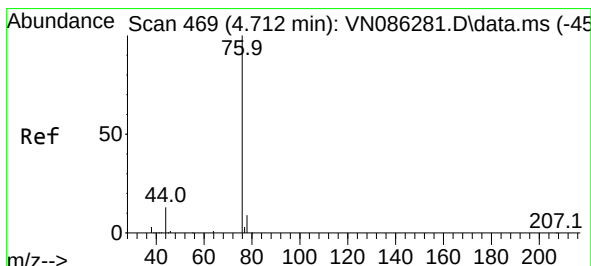
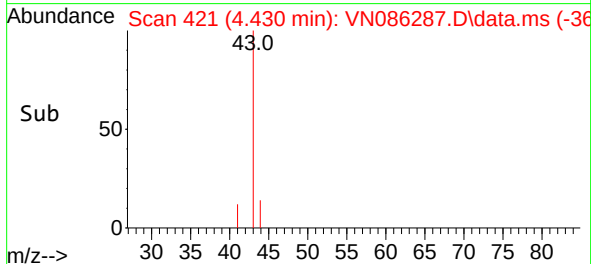
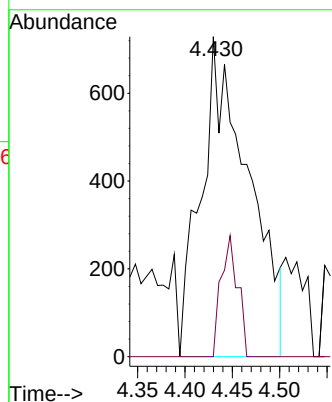
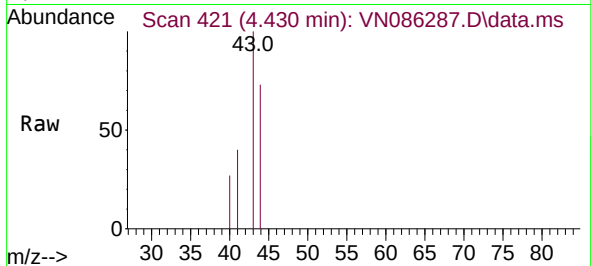




#16  
Acetone  
Concen: Below Cal  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

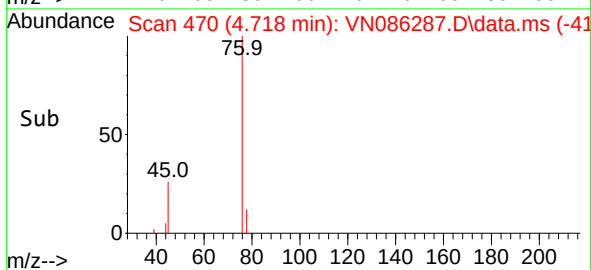
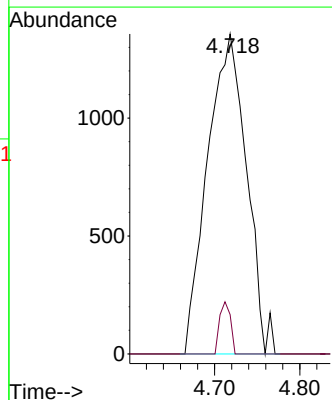
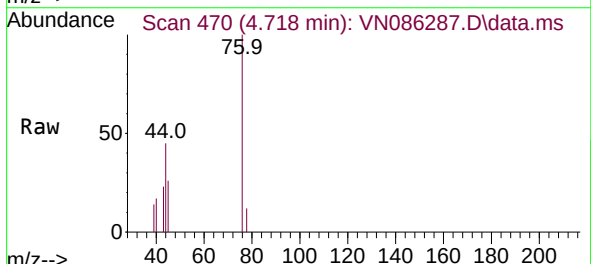
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

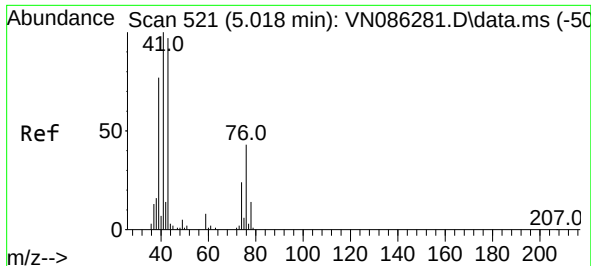
Tgt Ion: 43 Resp: 2519  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.3 37.9#



#17  
Carbon Disulfide  
Concen: 0.673 ug/l  
RT: 4.718 min Scan# 470  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 76 Resp: 4306  
Ion Ratio Lower Upper  
76 100  
78 12.3 7.6 11.4#

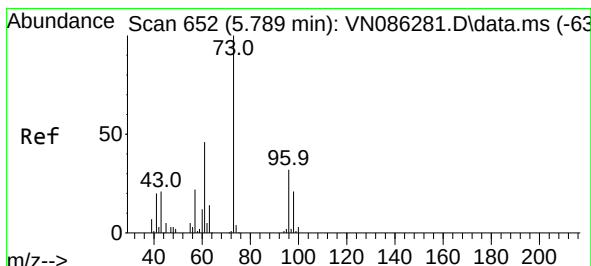
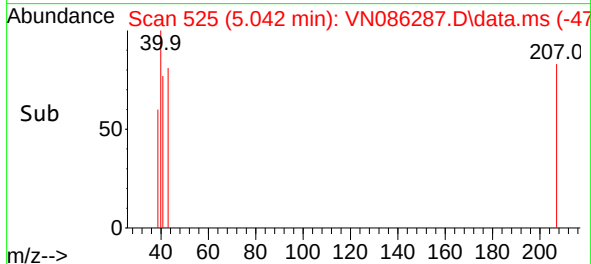
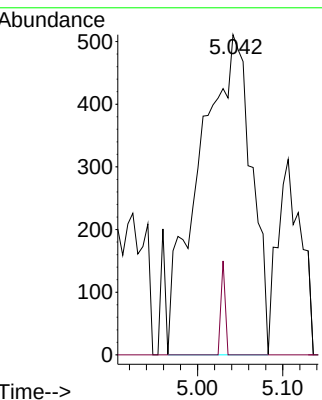
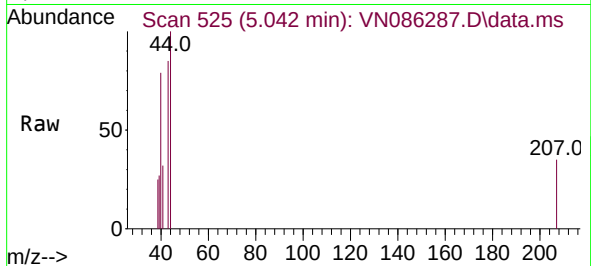




#18  
Methyl Acetate  
Concen: 0.684 ug/l  
RT: 5.042 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

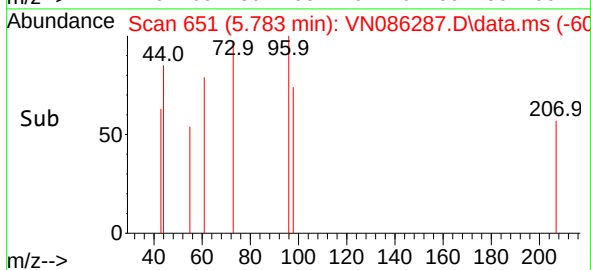
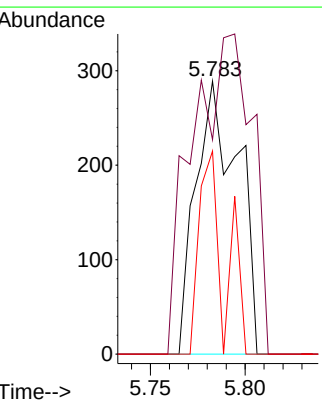
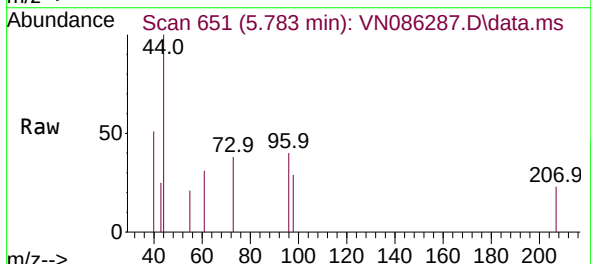
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

Tgt Ion: 43 Resp: 2161  
Ion Ratio Lower Upper  
43 100  
74 2.5 19.8 29.6#

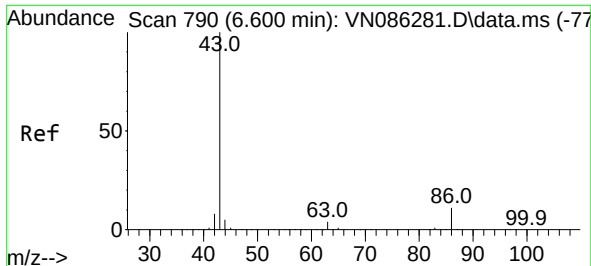


#21  
trans-1,2-Dichloroethene  
Concen: 0.201 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. -0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 96 Resp: 448  
Ion Ratio Lower Upper  
96 100  
61 78.5 114.6 171.8#  
98 74.4 51.2 76.8



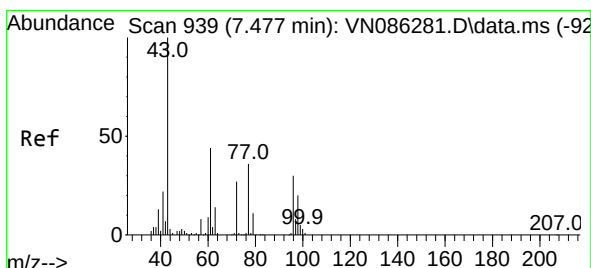
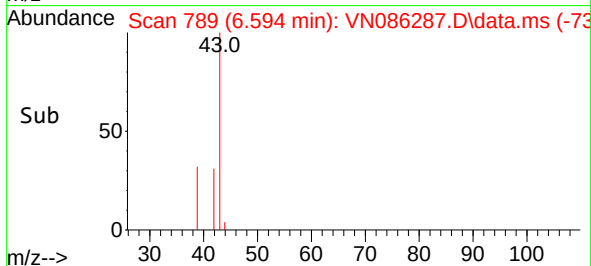
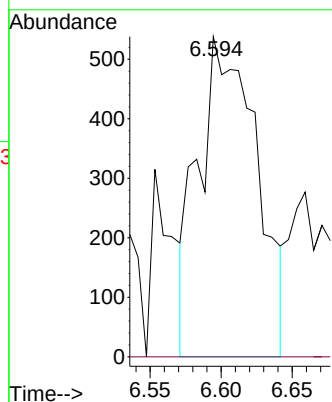
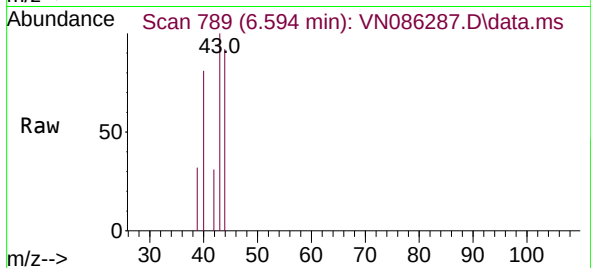




#23  
 Vinyl Acetate  
 Concen: 0.264 ug/l  
 RT: 6.594 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VN086287.D  
 Acq: 16 Apr 2025 09:48

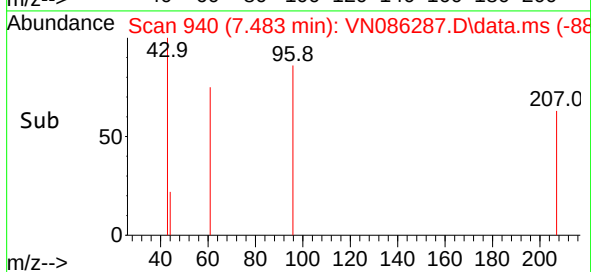
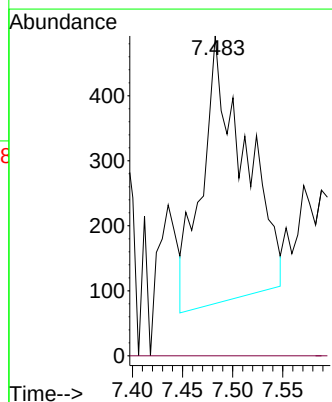
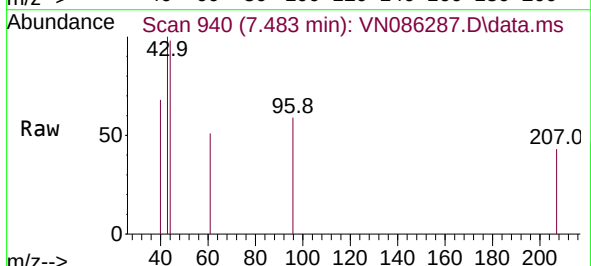
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0416MBL01

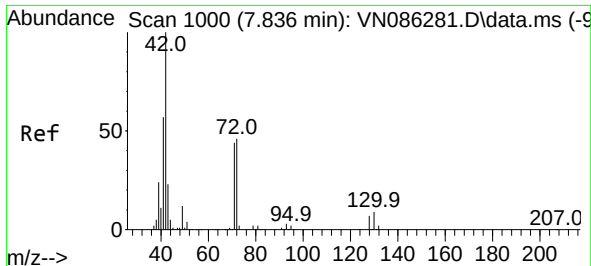
Tgt Ion: 43 Resp: 1527  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.6 13.0#



#25  
 2-Butanone  
 Concen: 0.740 ug/l  
 RT: 7.483 min Scan# 940  
 Delta R.T. 0.006 min  
 Lab File: VN086287.D  
 Acq: 16 Apr 2025 09:48

Tgt Ion: 43 Resp: 1212  
 Ion Ratio Lower Upper  
 43 100  
 72 0.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 1.351 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0416MBL01

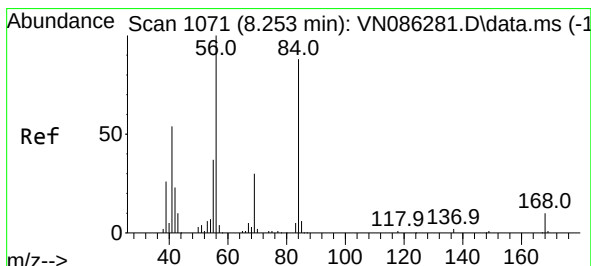
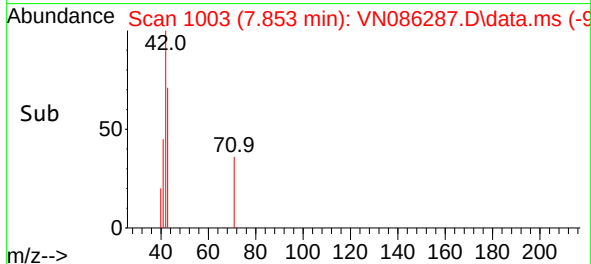
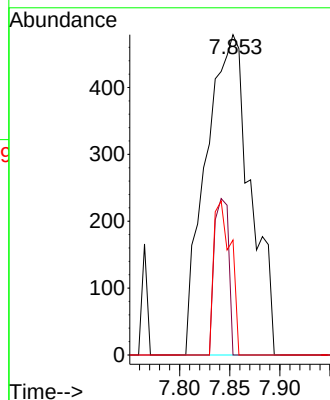
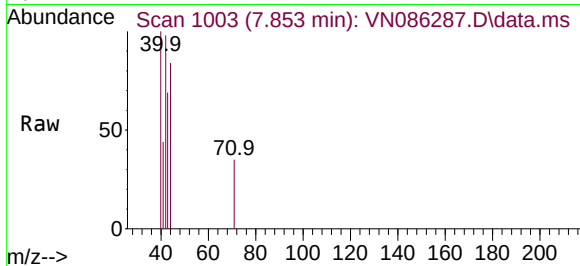
Tgt Ion: 42 Resp: 1481

Ion Ratio Lower Upper

42 100

72 15.7 36.2 54.4#

71 18.4 34.0 51.0#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

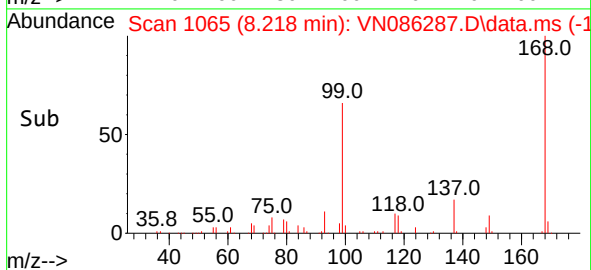
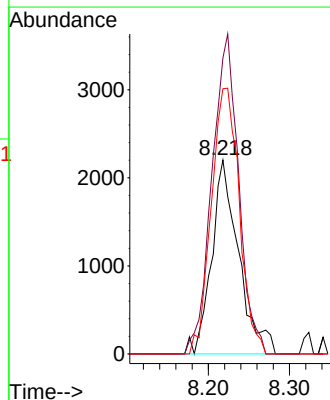
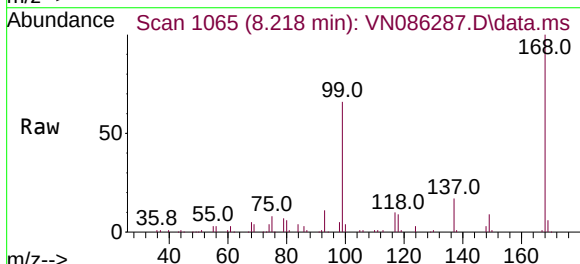
Tgt Ion: 56 Resp: 5092

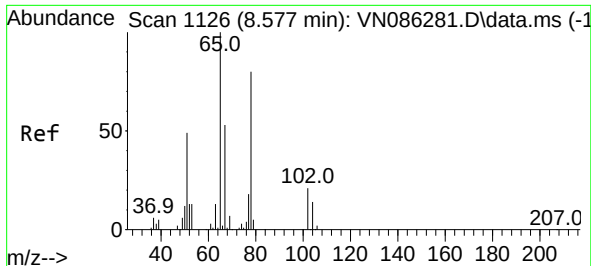
Ion Ratio Lower Upper

56 100

69 152.6 24.2 36.2#

84 136.7 70.3 105.5#

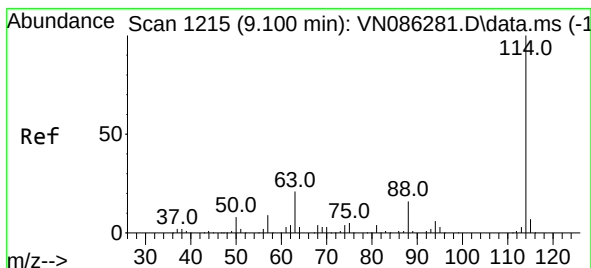
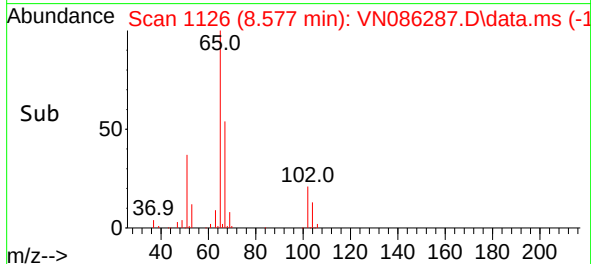
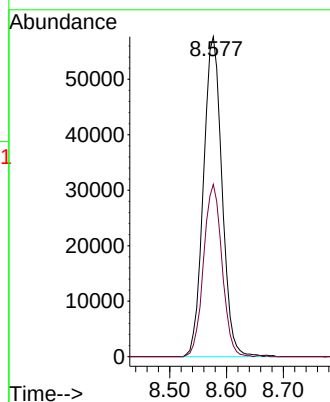
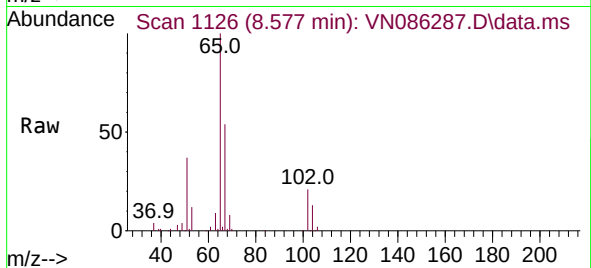




#33  
1,2-Dichloroethane-d4  
Concen: 49.665 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

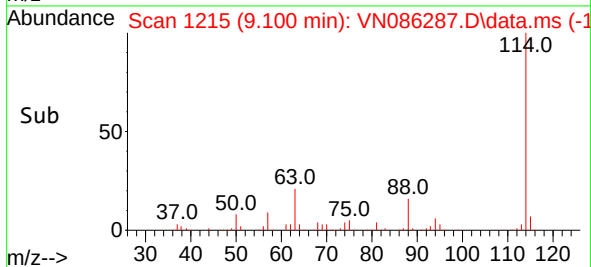
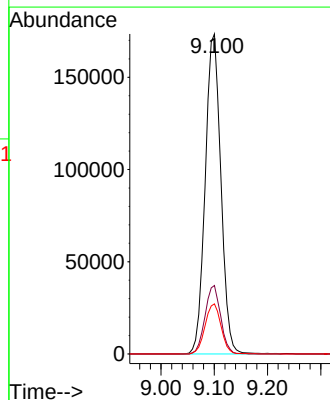
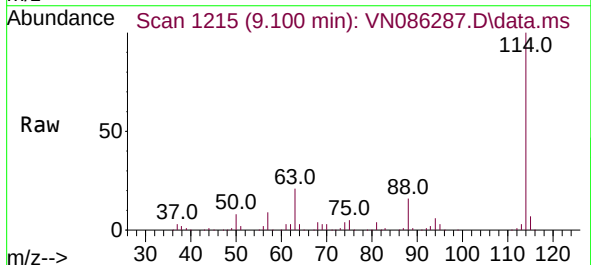
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

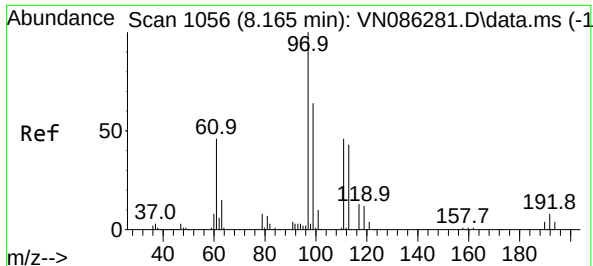
Tgt Ion: 65 Resp: 130772  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 114 Resp: 354035  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 42.6  
88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.173 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0416MBL01

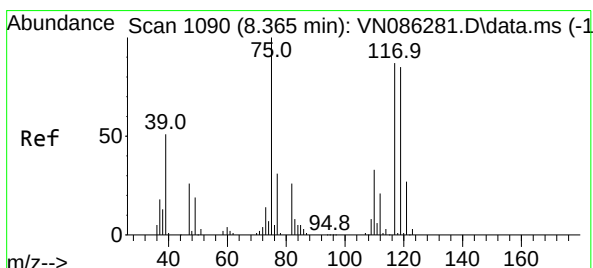
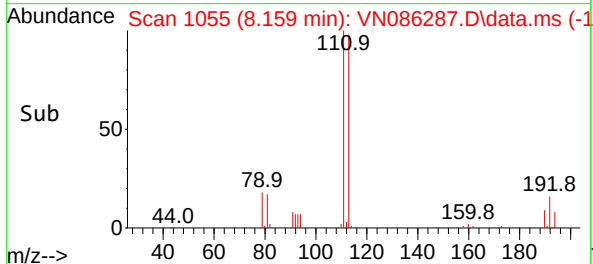
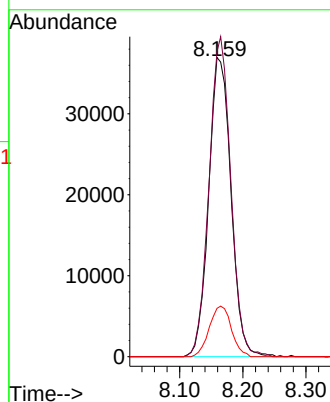
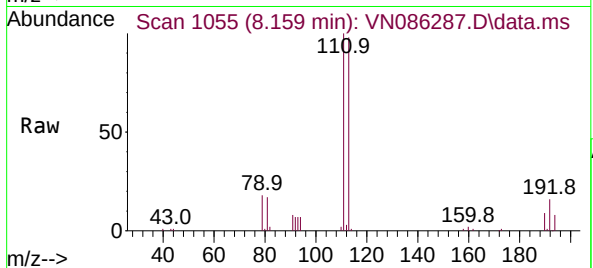
Tgt Ion:113 Resp: 90656

Ion Ratio Lower Upper

113 100

111 104.7 83.4 125.0

192 16.8 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

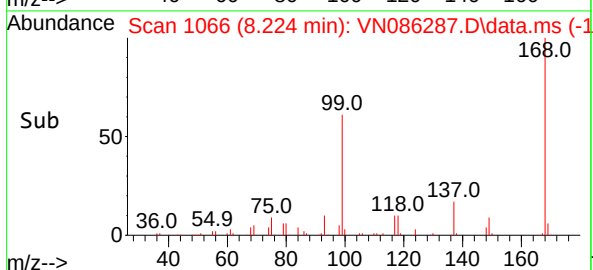
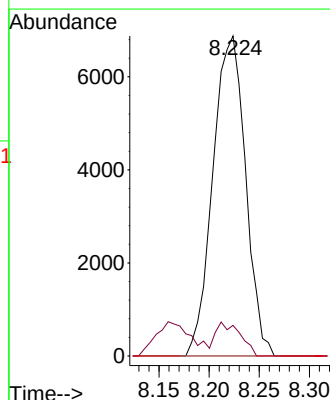
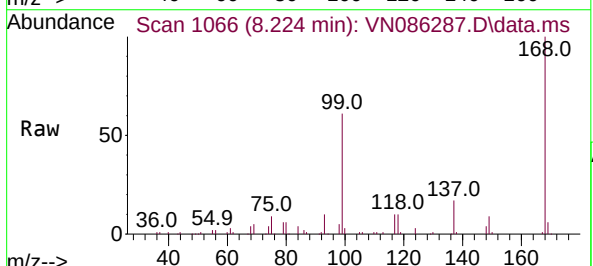
Tgt Ion: 75 Resp: 15579

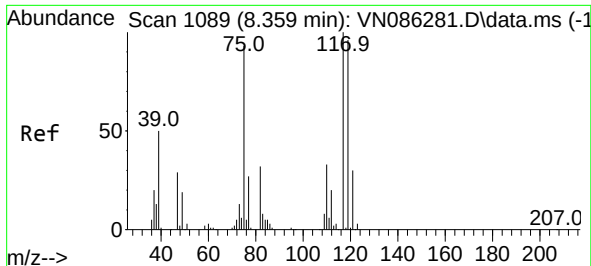
Ion Ratio Lower Upper

75 100

110 8.0 16.8 50.4#

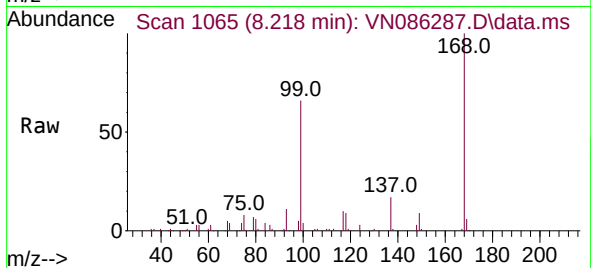
77 0.0 24.9 37.3#



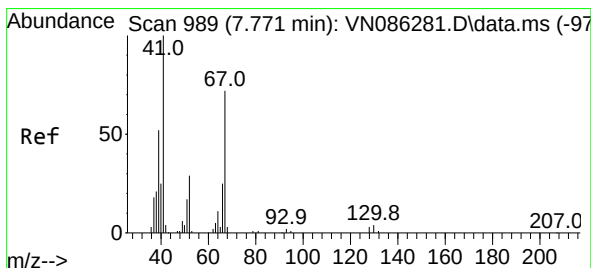
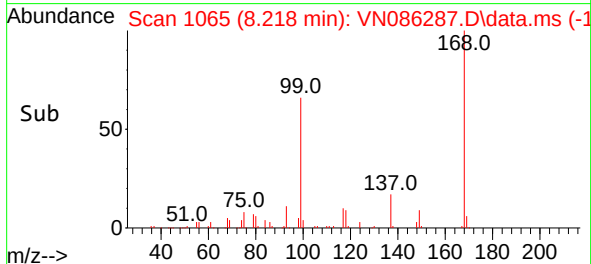
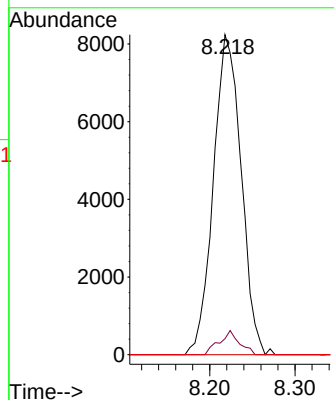


#38  
Carbon Tetrachloride  
Concen: 5.963 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.141 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

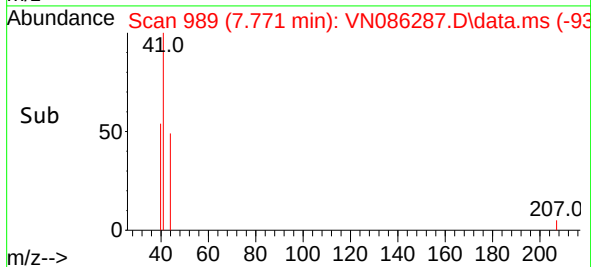
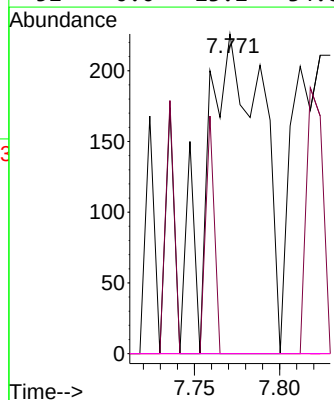
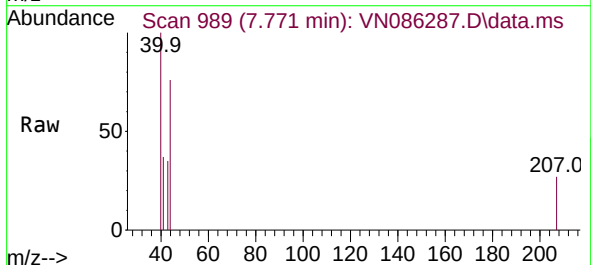


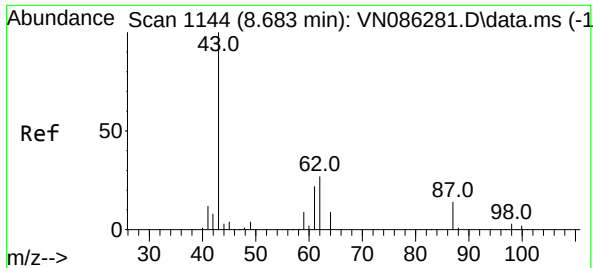
Tgt Ion:117 Resp: 18636  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.8 115.2#  
121 0.0 23.8 35.8#



#41  
Methacrylonitrile  
Concen: 0.256 ug/l  
RT: 7.771 min Scan# 989  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 41 Resp: 513  
Ion Ratio Lower Upper  
41 100  
39 11.5 43.0 64.4#  
67 0.0 58.8 88.2#  
52 0.0 23.2 34.8#

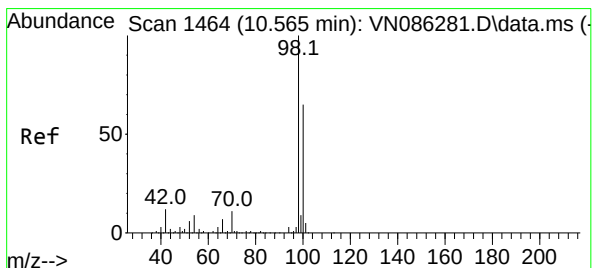
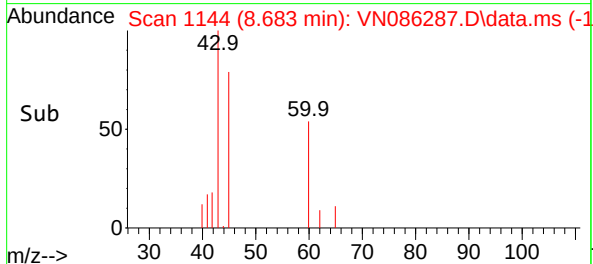
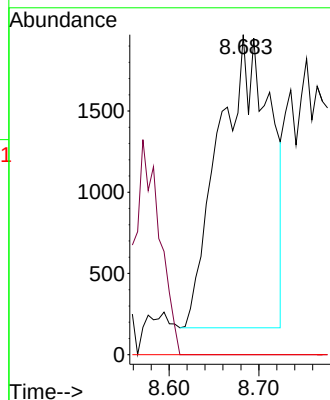
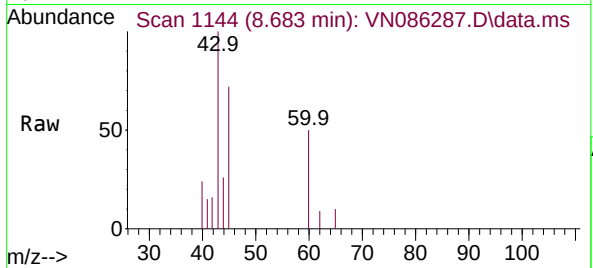




#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.683 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

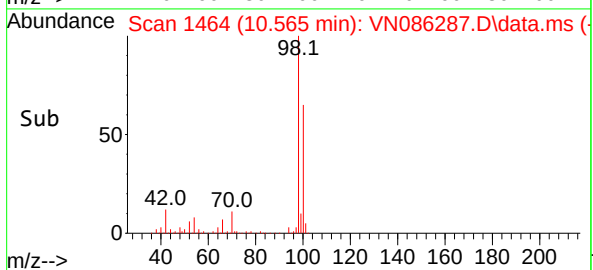
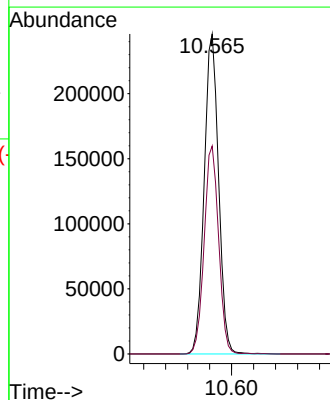
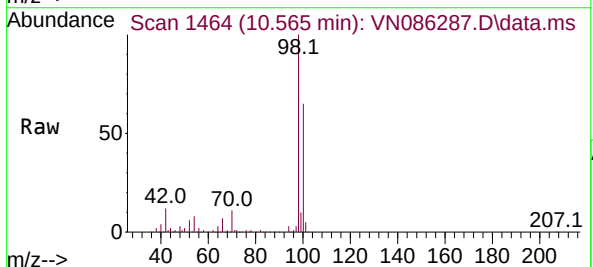
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

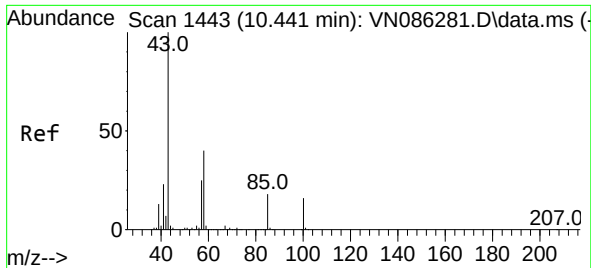
Tgt Ion: 43 Resp: 7222  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.5 30.7#  
87 0.0 10.5 15.7#



#50  
Toluene-d8  
Concen: 50.747 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 98 Resp: 445645  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7

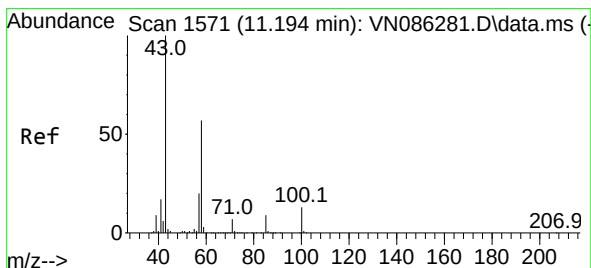
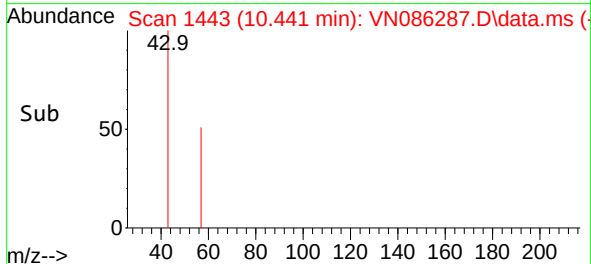
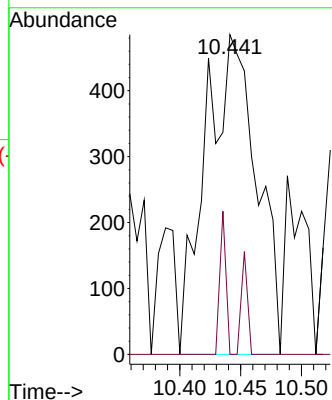
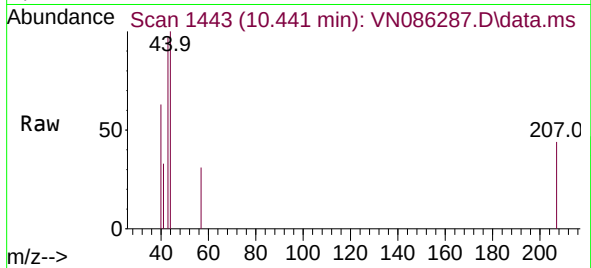




#51  
4-Methyl-2-Pentanone  
Concen: 0.402 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

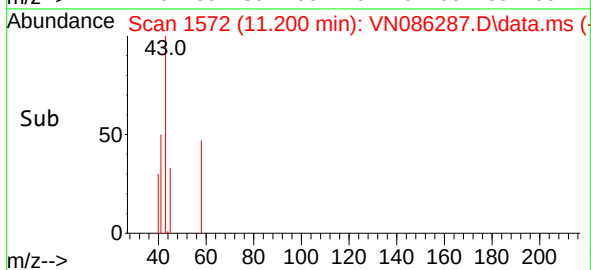
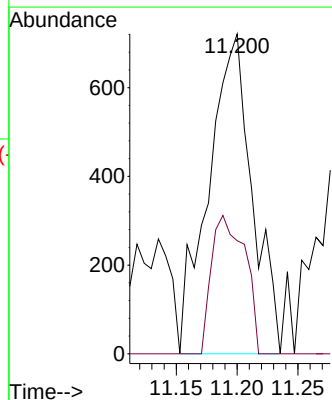
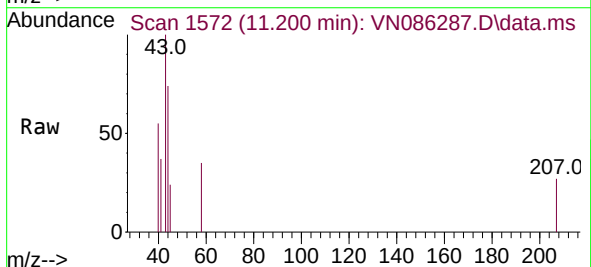
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

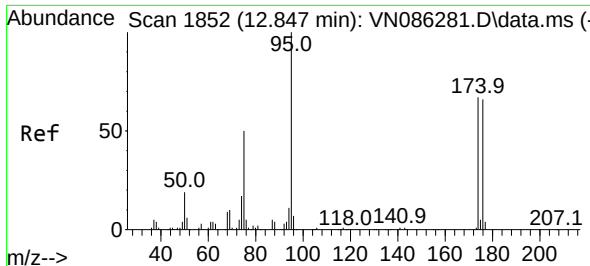
Tgt Ion: 43 Resp: 1421  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.2 48.4#



#59  
2-Hexanone  
Concen: 0.687 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 43 Resp: 1804  
Ion Ratio Lower Upper  
43 100  
58 33.0 28.3 85.0

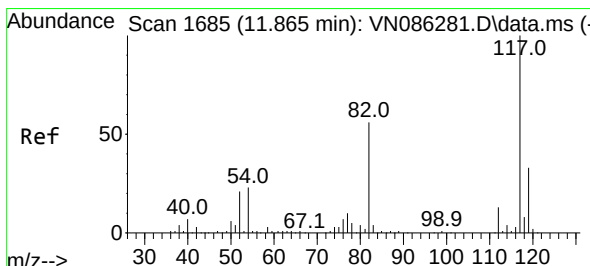
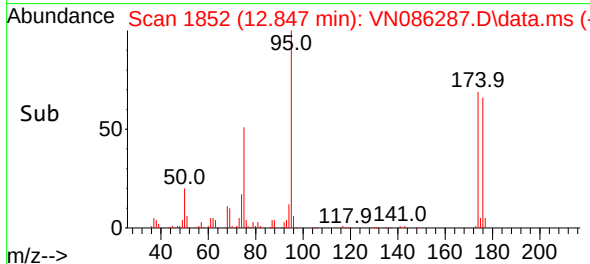
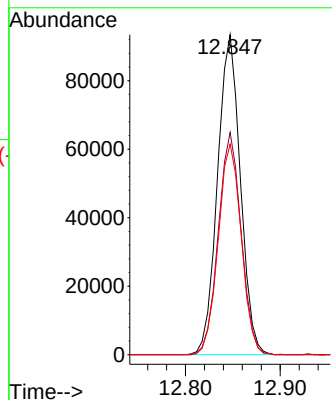
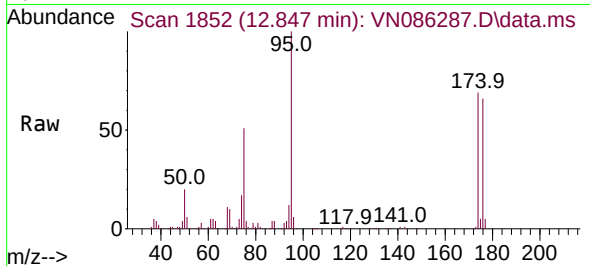




#62  
4-Bromofluorobenzene  
Concen: 48.930 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

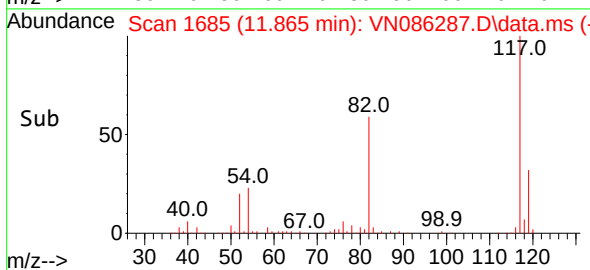
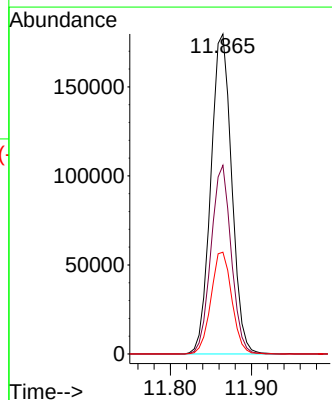
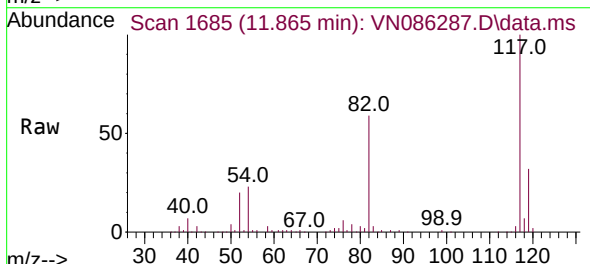
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

Tgt Ion: 95 Resp: 156723  
Ion Ratio Lower Upper  
95 100  
174 69.2 0.0 133.4  
176 66.1 0.0 129.2

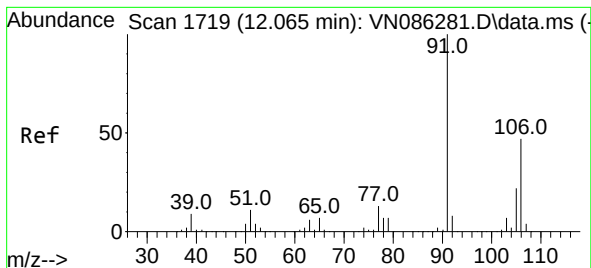


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 117 Resp: 320736  
Ion Ratio Lower Upper  
117 100  
82 59.0 44.7 67.1  
119 31.8 26.4 39.6



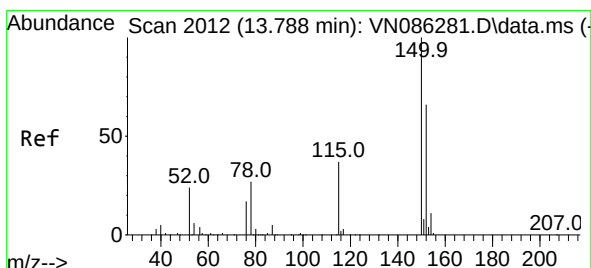
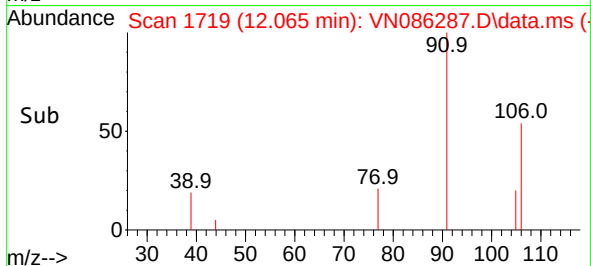
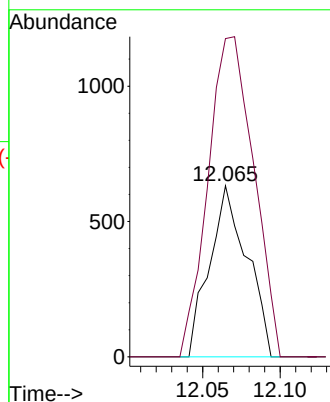
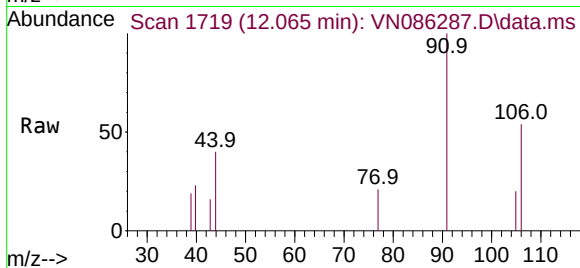




#68  
m/p-Xylenes  
Concen: 0.220 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

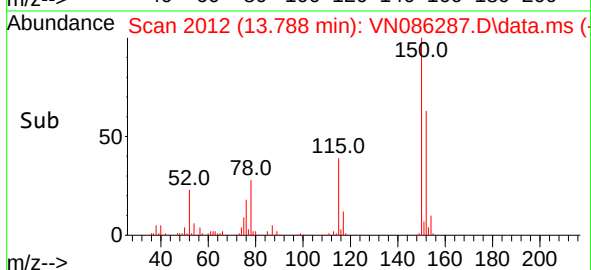
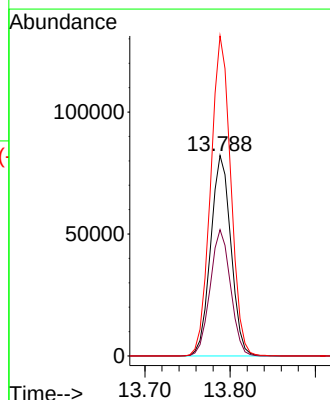
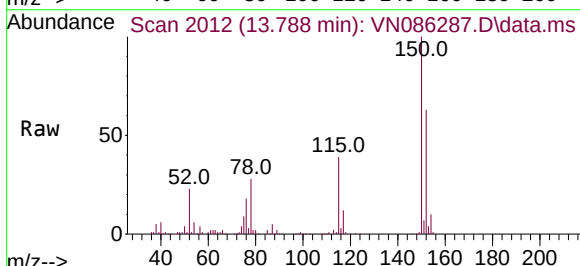
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

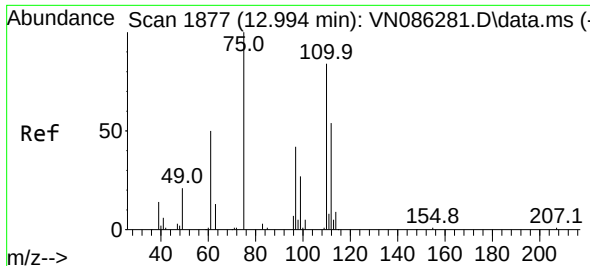
Tgt Ion:106 Resp: 1063  
Ion Ratio Lower Upper  
106 100  
91 227.9 166.5 249.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion:152 Resp: 135895  
Ion Ratio Lower Upper  
152 100  
115 63.2 31.9 95.9  
150 158.3 0.0 352.0

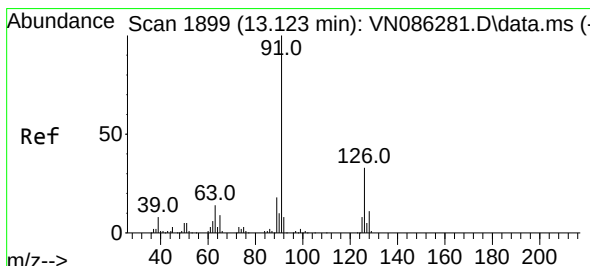
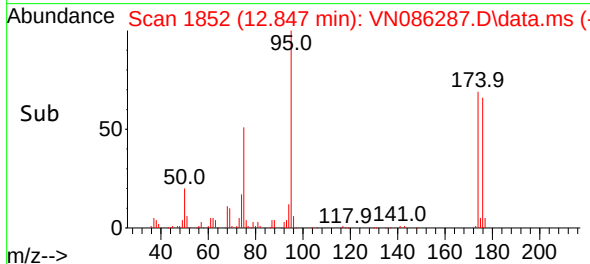
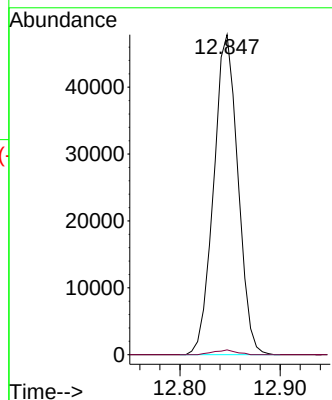
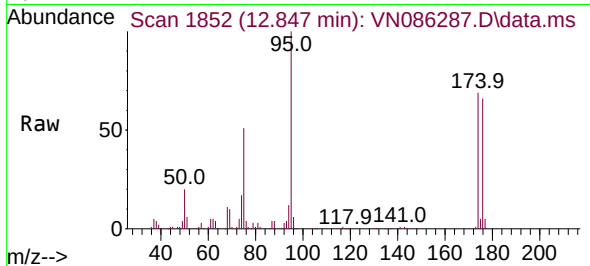




#76  
1,2,3-Trichloropropane  
Concen: 25.057 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. -0.147 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

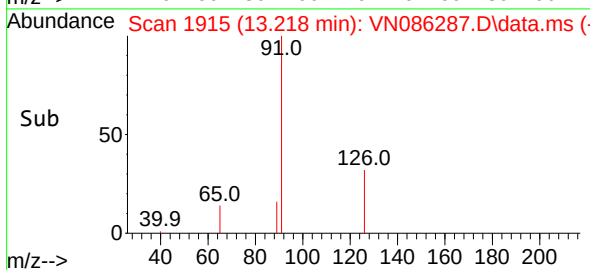
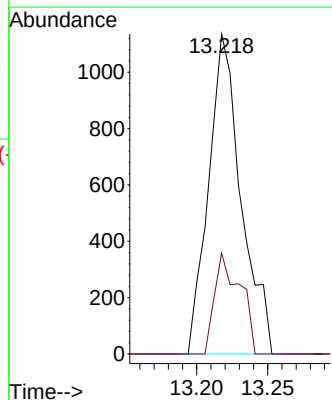
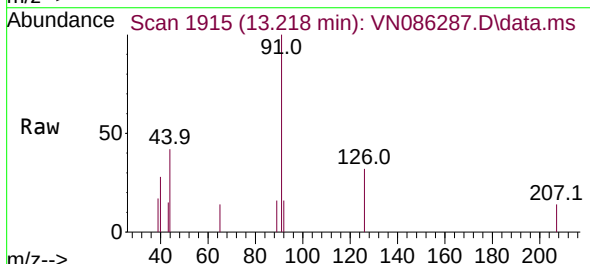
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

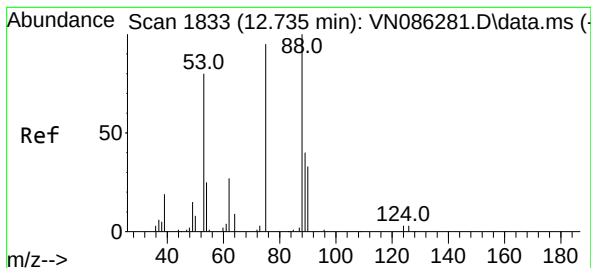
Tgt Ion: 75 Resp: 80356  
Ion Ratio Lower Upper  
75 100  
77 1.4 98.8 296.4#



#79  
2-Chlorotoluene  
Concen: 0.220 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.094 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 91 Resp: 1806  
Ion Ratio Lower Upper  
91 100  
126 24.8 16.1 48.2

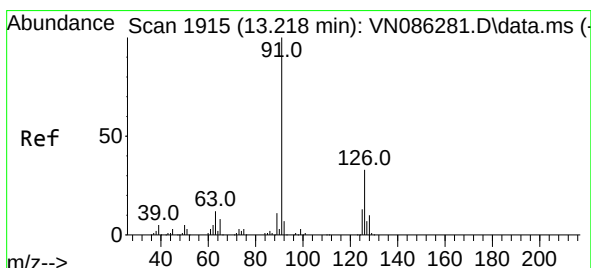
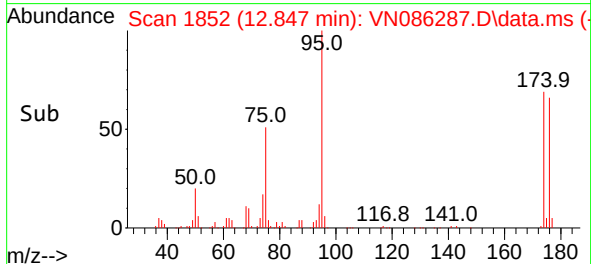
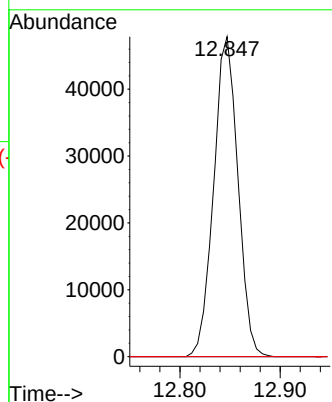
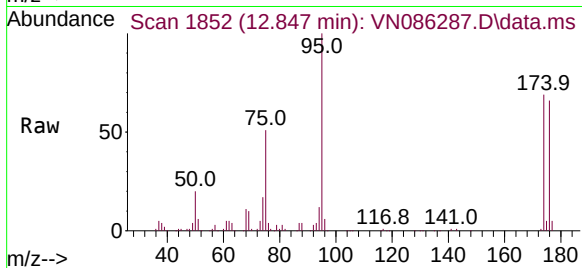




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.178 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

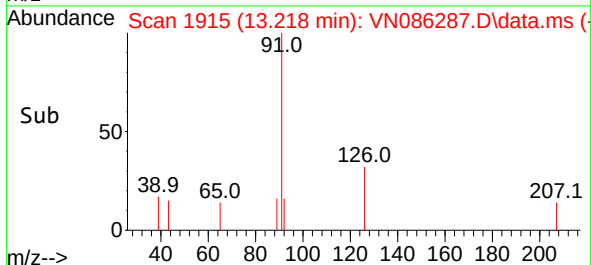
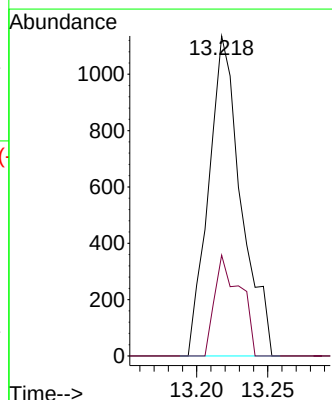
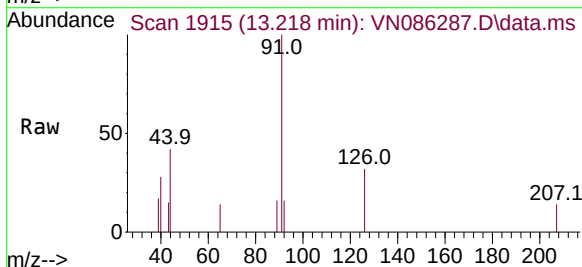
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

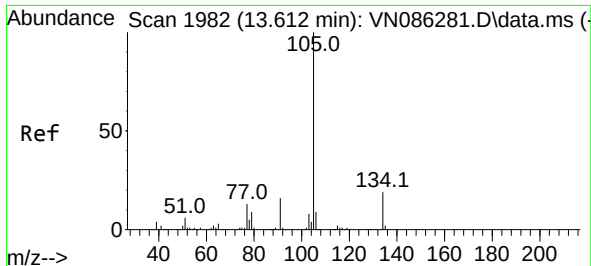
Tgt Ion: 75 Resp: 80356  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.2 118.8#  
89 0.0 35.7 53.5#



#82  
4-Chlorotoluene  
Concen: 0.222 ug/l  
RT: 13.218 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Tgt Ion: 91 Resp: 1806  
Ion Ratio Lower Upper  
91 100  
126 24.8 16.2 48.6

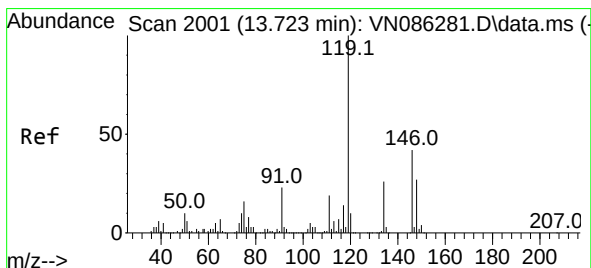
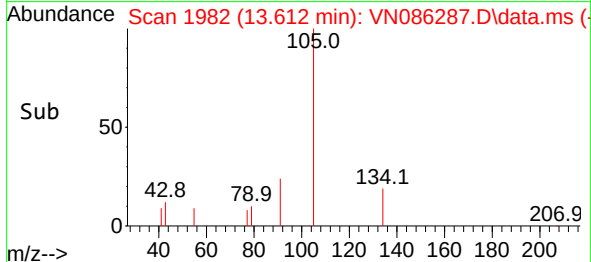
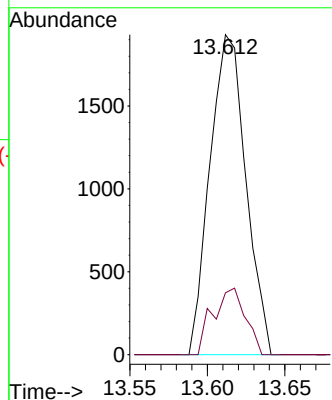
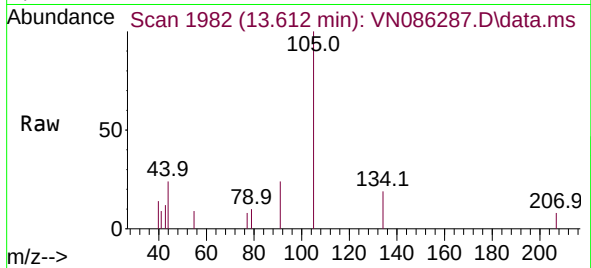




#85  
 sec-Butylbenzene  
 Concen: 0.285 ug/l  
 RT: 13.612 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VN086287.D  
 Acq: 16 Apr 2025 09:48

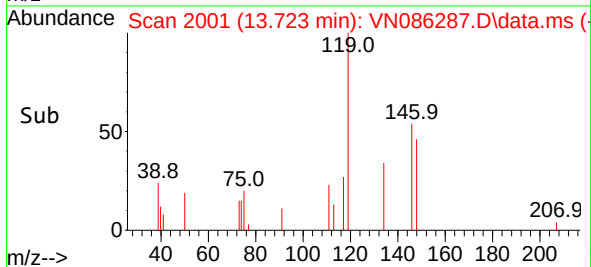
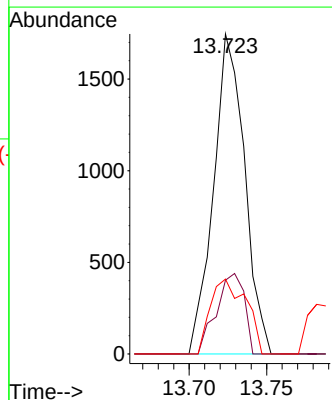
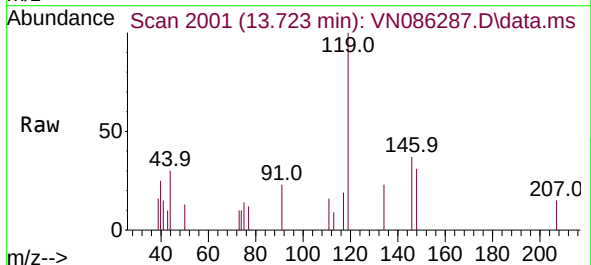
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0416MBL01

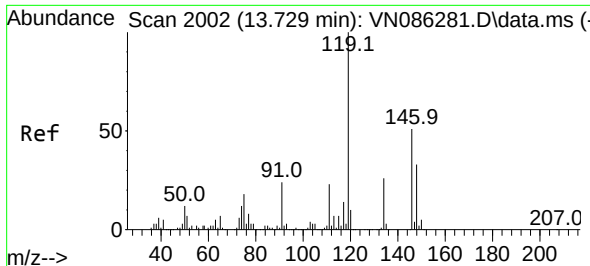
Tgt Ion:105 Resp: 3114  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 0.270 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN086287.D  
 Acq: 16 Apr 2025 09:48

Tgt Ion:119 Resp: 2434  
 Ion Ratio Lower Upper  
 119 100  
 134 22.6 13.1 39.1  
 91 26.8 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 0.249 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0416MBL01

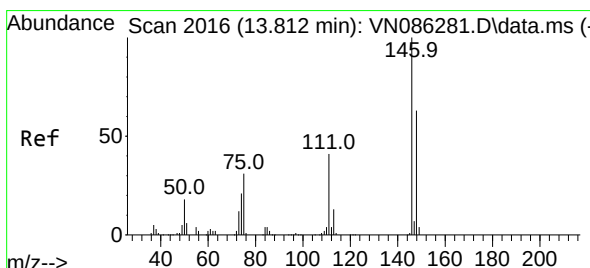
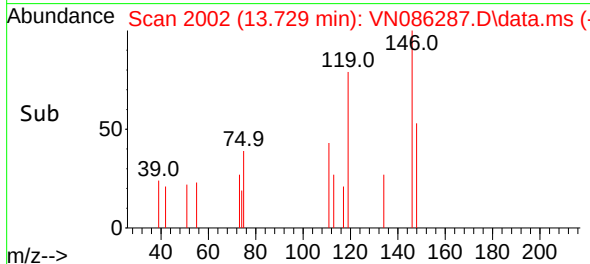
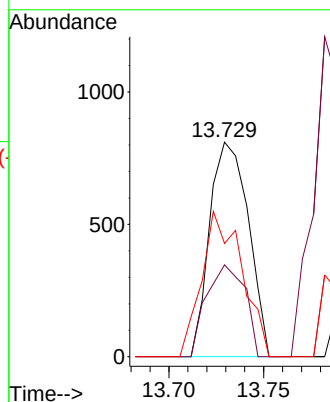
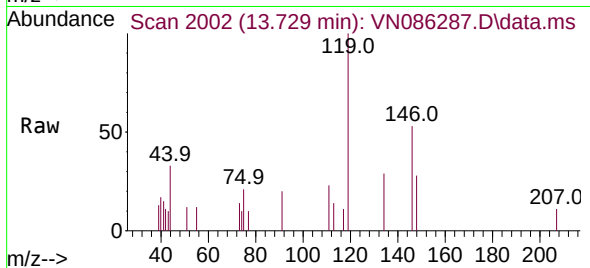
Tgt Ion:146 Resp: 1153

Ion Ratio Lower Upper

146 100

111 42.4 21.9 65.7

148 70.4 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 0.247 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN086287.D

Acq: 16 Apr 2025 09:48

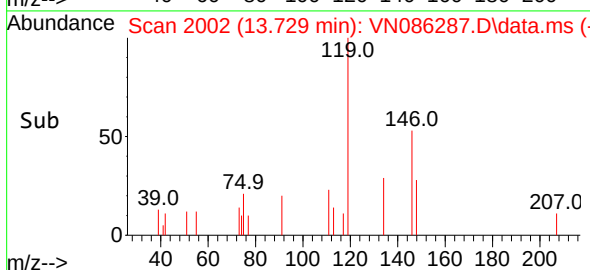
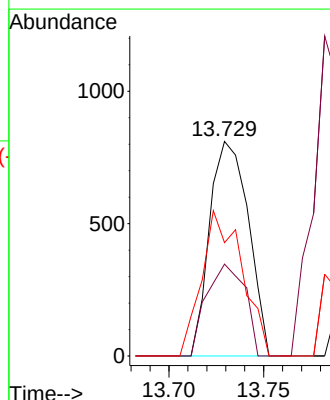
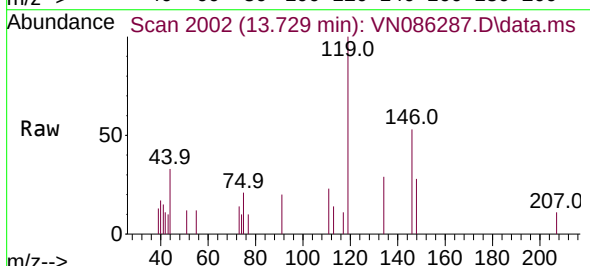
Tgt Ion:146 Resp: 1153

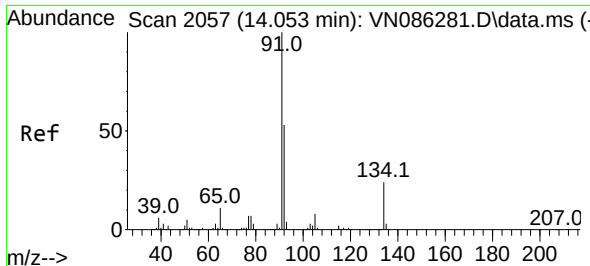
Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.9

148 70.4 31.9 95.9

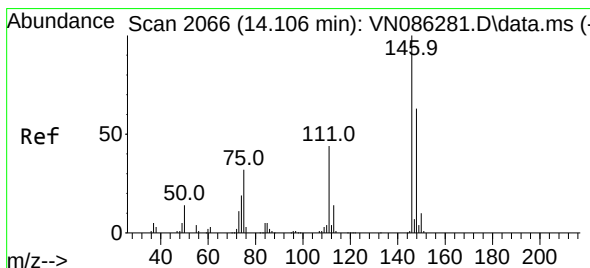
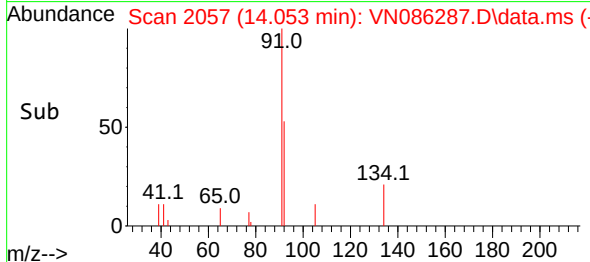
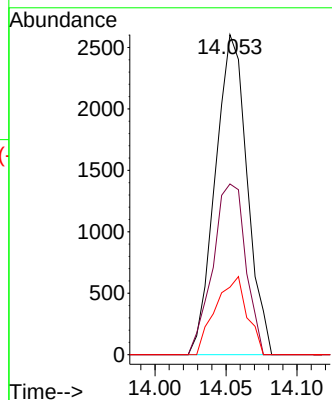
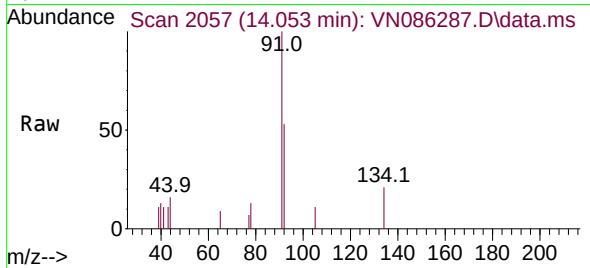




#89  
n-Butylbenzene  
Concen: 0.509 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

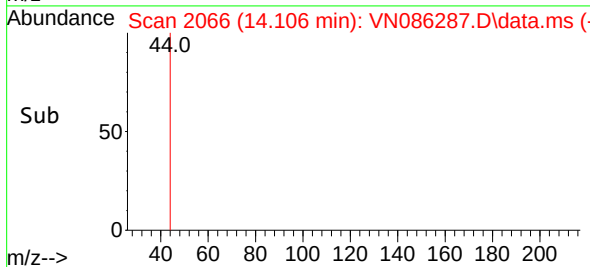
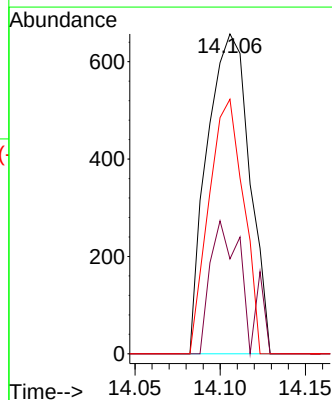
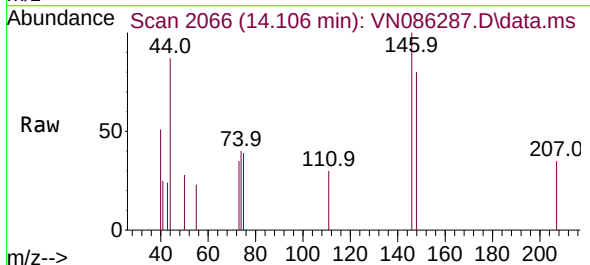
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

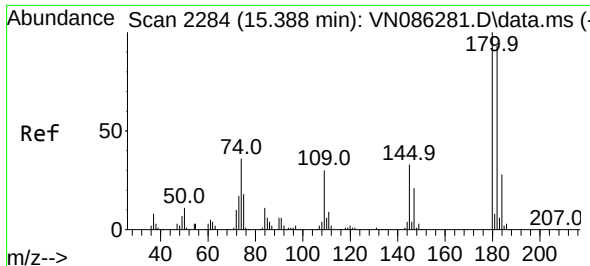
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 4068  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 55.0  | 26.8  | 80.4  |
| 134      | 24.1  | 12.2  | 36.6  |



#91  
1,2-Dichlorobenzene  
Concen: 0.253 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

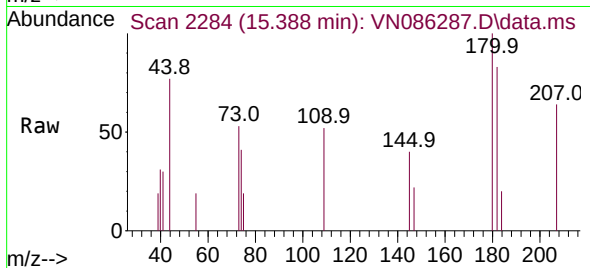
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 1138  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 33.0  | 22.4  | 67.0  |
| 148      | 65.0  | 31.8  | 95.4  |



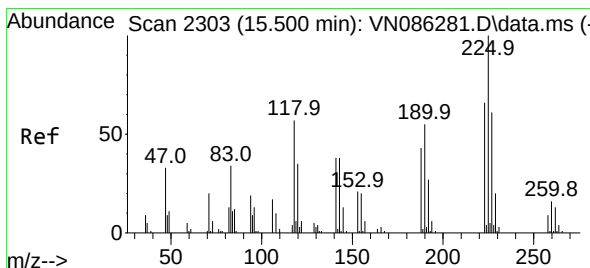
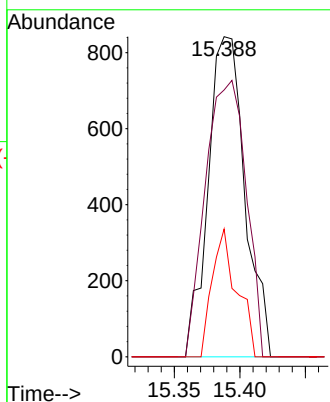
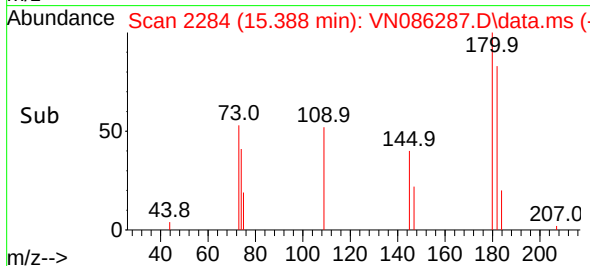


#93  
1,2,4-Trichlorobenzene  
Concen: 0.765 ug/l  
RT: 15.388 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

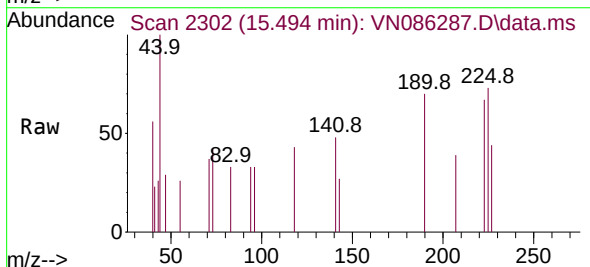
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01



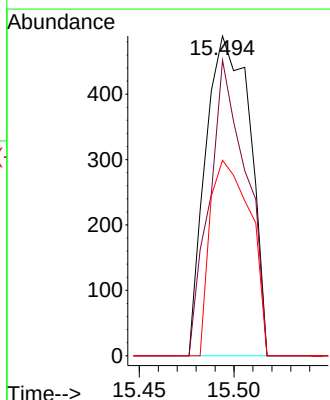
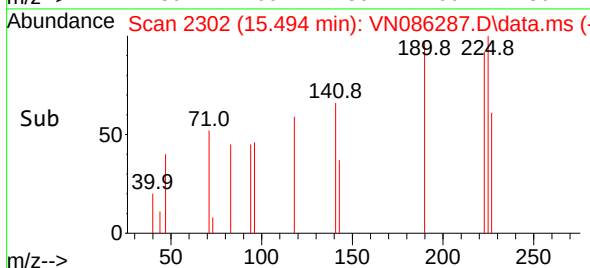
Tgt Ion:180 Resp: 1645  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.0 141.0  
145 26.7 16.4 49.1

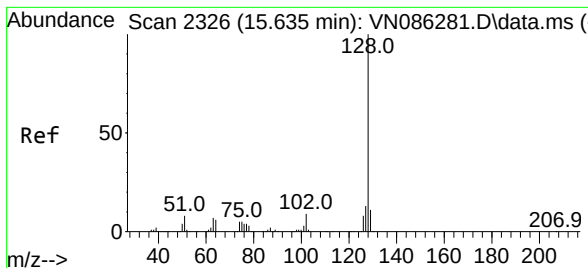


#94  
Hexachlorobutadiene  
Concen: 0.981 ug/l  
RT: 15.494 min Scan# 2302  
Delta R.T. -0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48



Tgt Ion:225 Resp: 796  
Ion Ratio Lower Upper  
225 100  
223 77.3 32.8 98.3  
227 55.8 31.4 94.0

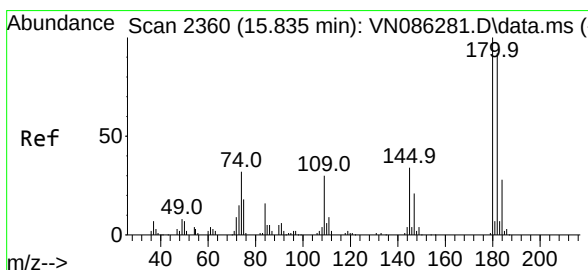
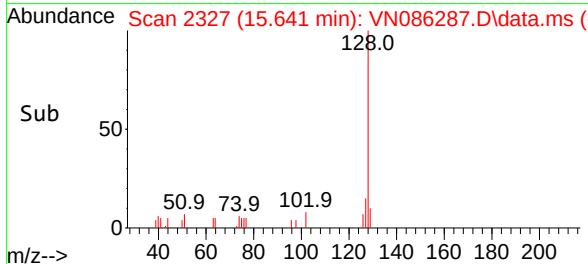
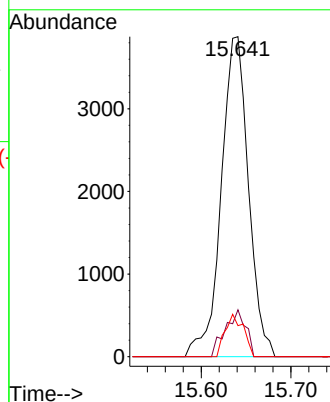
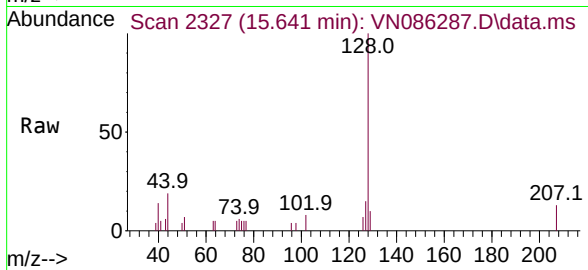




#95  
Naphthalene  
Concen: 1.072 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.006 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0416MBL01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 8171 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 11.0  | 10.2  | 15.4 |
| 129       | 8.9   | 8.6   | 13.0 |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.972 ug/l  
RT: 15.835 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: VN086287.D  
Acq: 16 Apr 2025 09:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1978  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 81.0  | 47.3  | 142.0 |
| 145       | 28.4  | 17.2  | 51.5  |

