

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013023\  
 Data File : VN076448.D  
 Acq On : 30 Jan 2023 11:31  
 Operator : JC\MD  
 Sample : VN0130MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 31 00:34:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

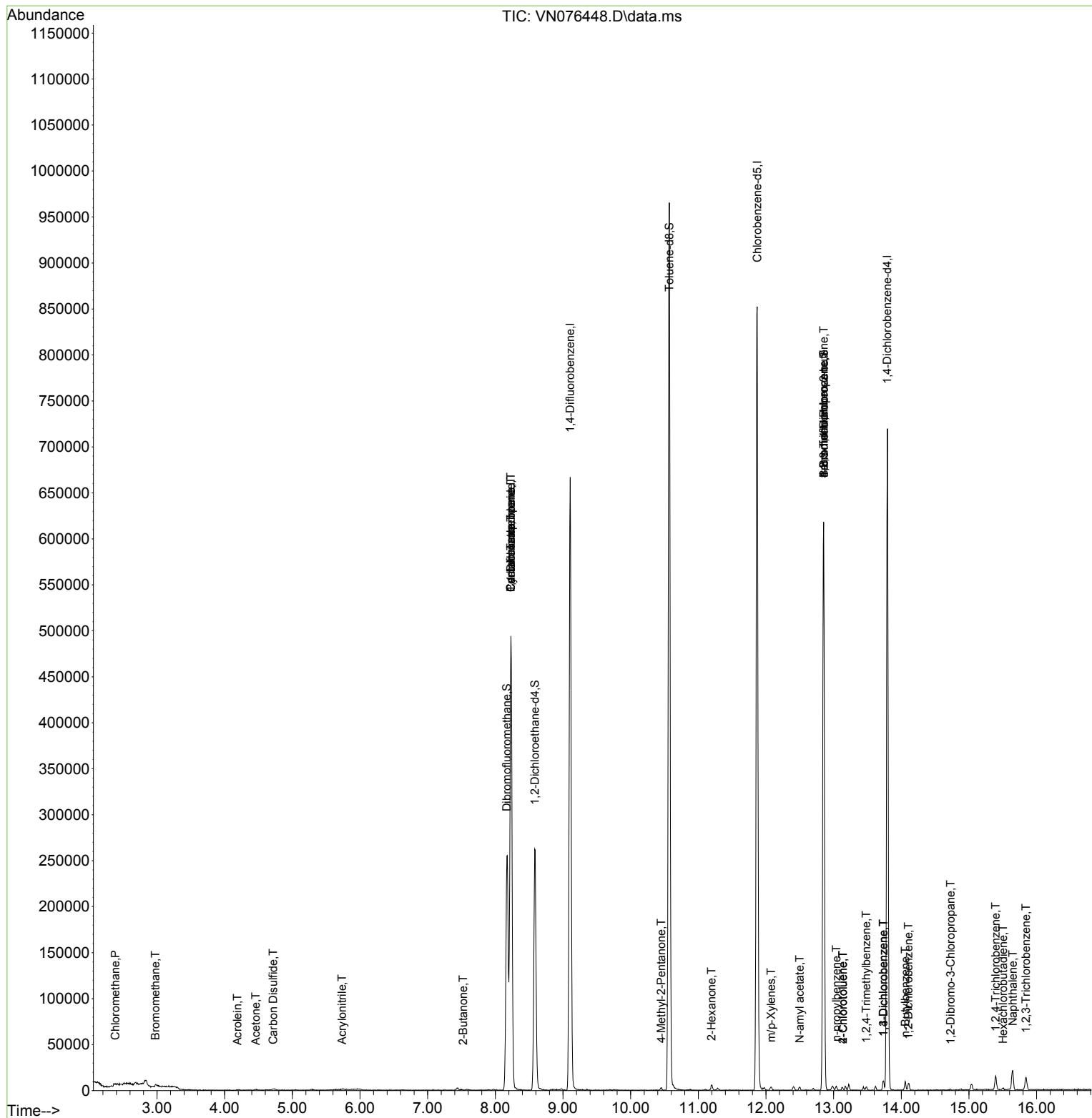
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 361261   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 590517   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 514474   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 194147   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 221235   | 54.694    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 109.380% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 184413   | 49.923    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 99.840%  |          |
| 50) Toluene-d8                | 10.571 | 98    | 687260   | 50.378    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 100.760% |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 211896   | 47.579    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 95.160%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.383  | 50    | 886      | 0.231     | ug/l       | 95       |
| 5) Bromomethane               | 2.977  | 94    | 1334     | 0.347     | ug/l       | 87       |
| 13) Acrolein                  | 4.189  | 56    | 335      | 0.518     | ug/l #     | 78       |
| 15) Acrylonitrile             | 5.736  | 53    | 676      | 0.439     | ug/l #     | 32       |
| 16) Acetone                   | 4.459  | 43    | 1292     | 0.923     | ug/l #     | 78       |
| 17) Carbon Disulfide          | 4.718  | 76    | 2646     | 0.307     | ug/l #     | 73       |
| 20) Methylene Chloride        | 5.271  | 84    | 895      | Below Cal | #          | 34       |
| 25) 2-Butanone                | 7.524  | 43    | 1107     | 0.559     | ug/l #     | 40       |
| 31) Cyclohexane               | 8.230  | 56    | 7904     | 1.272     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 28621    | 5.453     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 38361    | 6.554     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43    | 1946     | 0.484     | ug/l       | 97       |
| 59) 2-Hexanone                | 11.194 | 43    | 4443     | 1.525     | ug/l       | 88       |
| 68) m/p-Xylenes               | 12.076 | 106   | 1781     | 0.239     | ug/l       | 96       |
| 71) Bromoform                 | 12.853 | 173   | 1124     | 0.385     | ug/l #     | 1        |
| 74) N-amyl acetate            | 12.500 | 43    | 2187     | 0.506     | ug/l       | 91       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 112501   | 31.457    | ug/l #     | 1        |
| 77) Bromobenzene              | 12.982 | 156   | 1561     | Below Cal |            | 74       |
| 78) n-propylbenzene           | 13.041 | 91    | 4231     | 0.250     | ug/l       | 91       |
| 79) 2-Chlorotoluene           | 13.135 | 91    | 2113     | 0.203     | ug/l       | 81       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 112501   | 96.413    | ug/l #     | 11       |
| 82) 4-Chlorotoluene           | 13.135 | 91    | 2113     | 0.203     | ug/l       | 81       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105   | 2707     | 0.215     | ug/l       | 84       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146   | 3874     | 0.547     | ug/l       | 96       |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146   | 3874     | 0.675     | ug/l       | 97       |
| 89) n-Butylbenzene            | 14.059 | 91    | 5296     | 0.522     | ug/l       | 94       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146   | 3709     | 0.526     | ug/l       | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75    | 219      | 0.292     | ug/l       | 63       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180   | 5385     | 2.845     | ug/l       | 88       |
| 94) Hexachlorobutadiene       | 15.506 | 225   | 582      | 0.311     | ug/l       | 78       |
| 95) Naphthalene               | 15.647 | 128   | 21928    | 3.933     | ug/l       | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 5554     | 2.825     | ug/l       | 94       |
| -----                         |        |       |          |           |            |          |

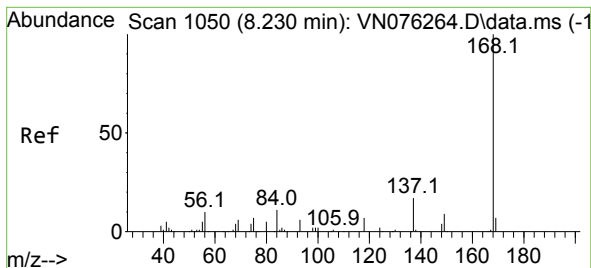
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013023\  
Data File : VN076448.D  
Acq On : 30 Jan 2023 11:31  
Operator : JC\MD  
Sample : VN0130MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jan 31 00:34:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

Instrument :

MSVOA\_N

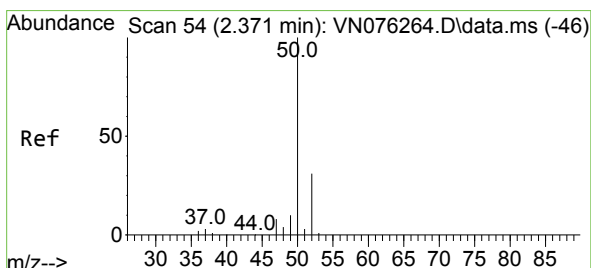
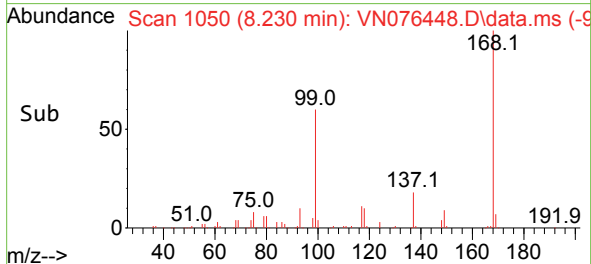
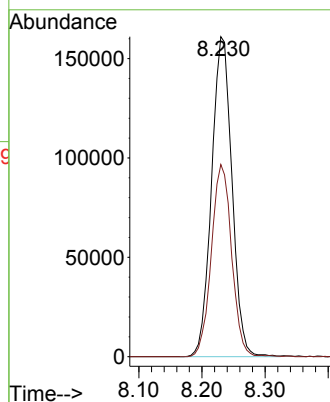
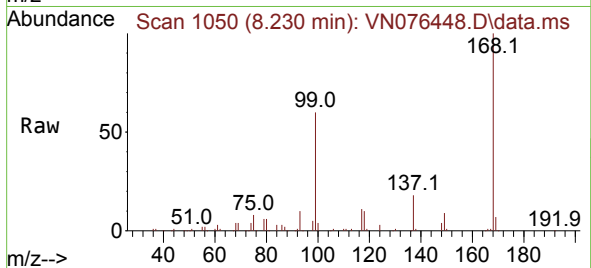
ClientSampleId :

Tgt Ion:168 Resp: 361261

Ion Ratio Lower Upper

168 100

99 60.1 41.6 62.4



#3

Chloromethane

Concen: 0.231 ug/l

RT: 2.383 min Scan# 56

Delta R.T. 0.012 min

Lab File: VN076448.D

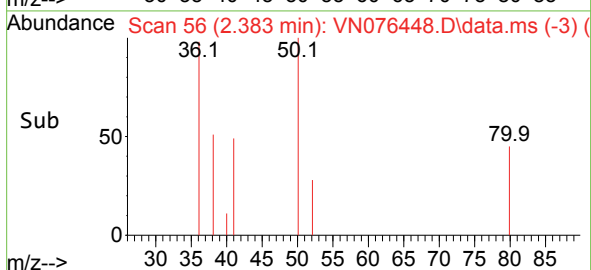
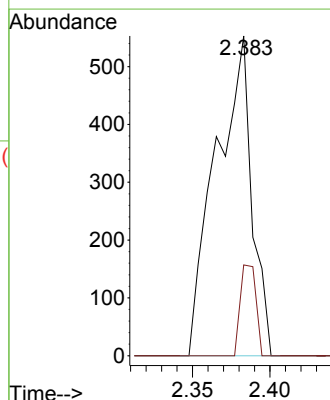
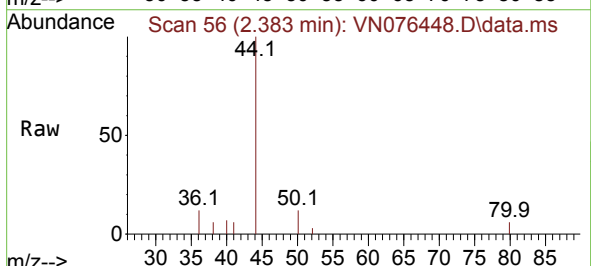
Acq: 30 Jan 2023 11:31

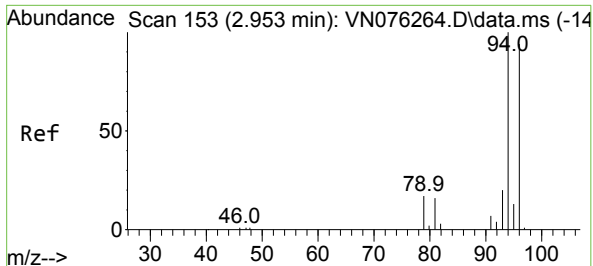
Tgt Ion: 50 Resp: 886

Ion Ratio Lower Upper

50 100

52 28.4 24.8 37.2

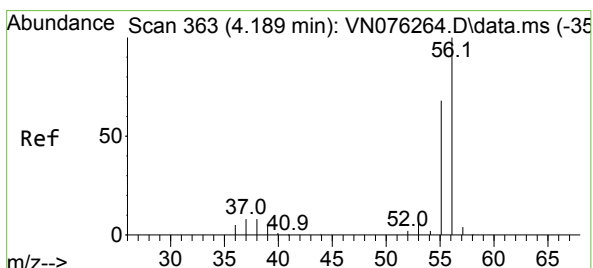
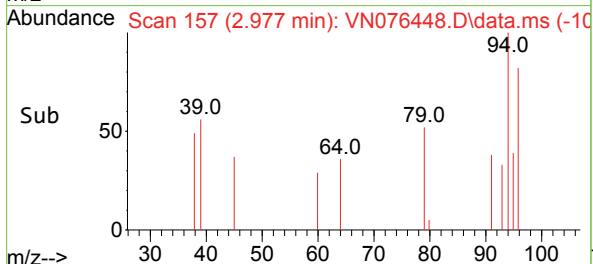
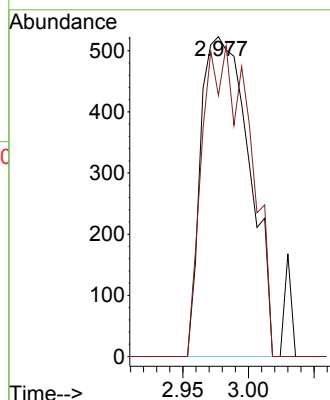
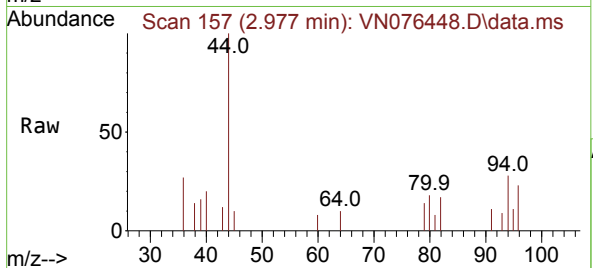




#5  
Bromomethane  
Concen: 0.347 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

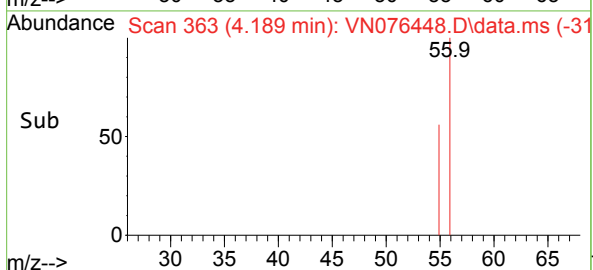
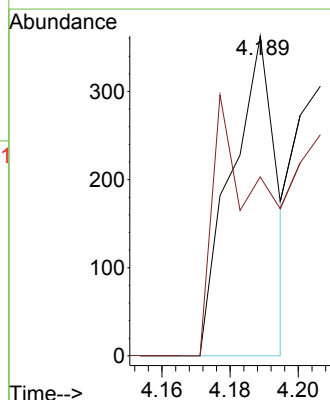
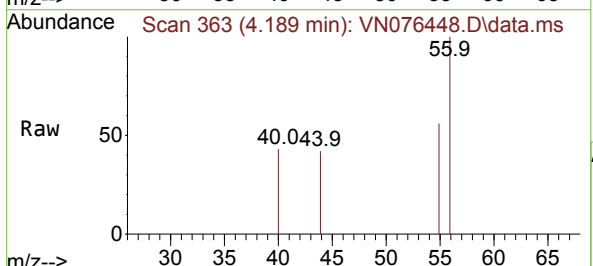
Instrument :  
MSVOA\_N  
ClientSampleId :

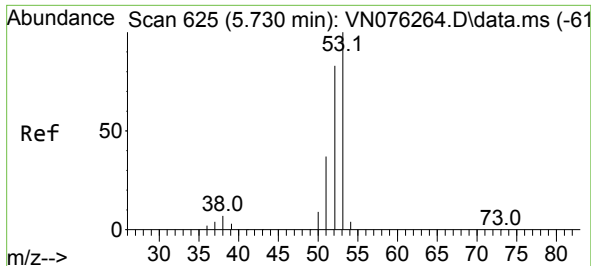
Tgt Ion: 94 Resp: 1334  
Ion Ratio Lower Upper  
94 100  
96 81.6 75.1 112.7



#13  
Acrolein  
Concen: 0.518 ug/l  
RT: 4.189 min Scan# 363  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

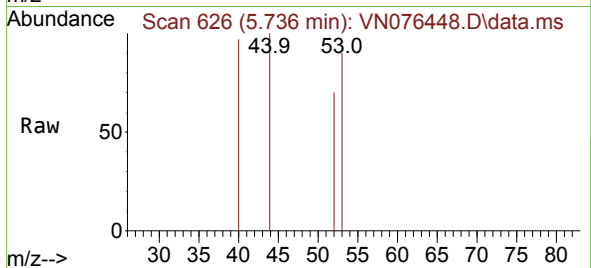
Tgt Ion: 56 Resp: 335  
Ion Ratio Lower Upper  
56 100  
55 87.5 55.8 83.6#



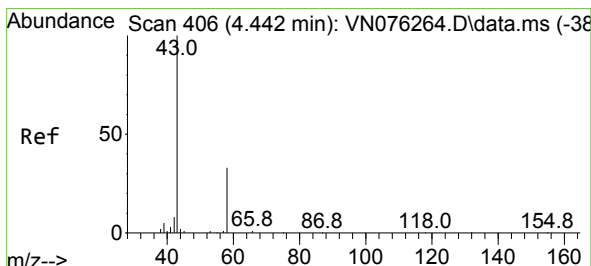
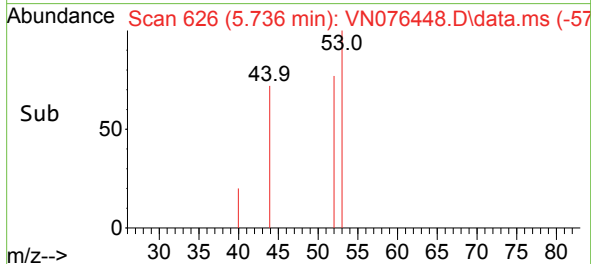
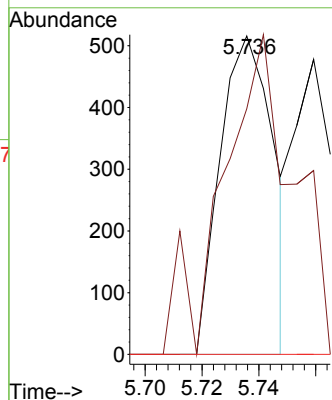


#15  
 Acrylonitrile  
 Concen: 0.439 ug/l  
 RT: 5.736 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VN076448.D  
 Acq: 30 Jan 2023 11:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :

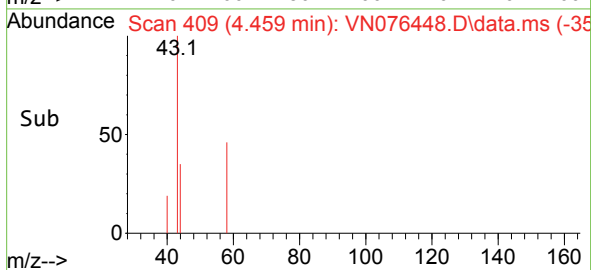
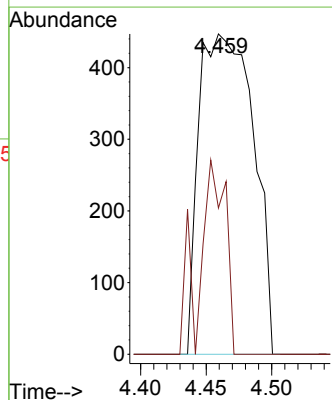
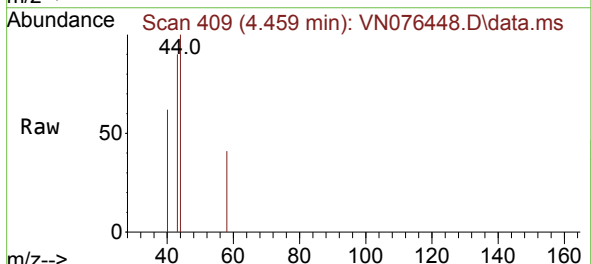


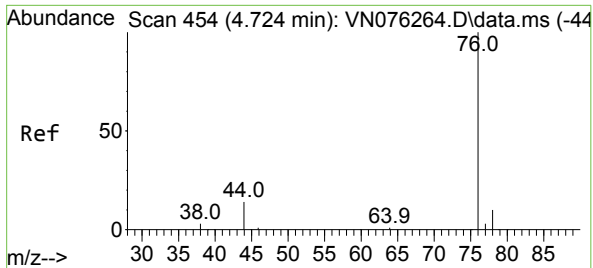
Tgt Ion: 53 Resp: 676  
 Ion Ratio Lower Upper  
 53 100  
 52 143.2 64.7 97.1#  
 51 0.0 29.2 43.8#



#16  
 Acetone  
 Concen: 0.923 ug/l  
 RT: 4.459 min Scan# 409  
 Delta R.T. 0.017 min  
 Lab File: VN076448.D  
 Acq: 30 Jan 2023 11:31

Tgt Ion: 43 Resp: 1292  
 Ion Ratio Lower Upper  
 43 100  
 58 45.6 26.7 40.1#

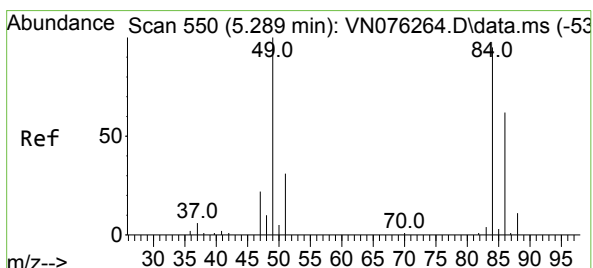
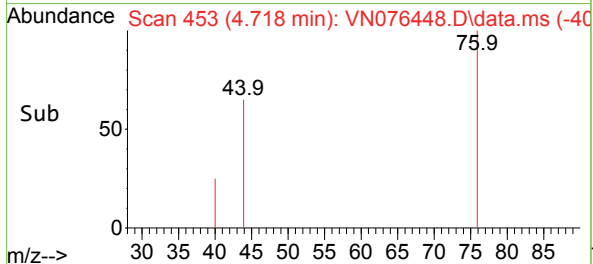
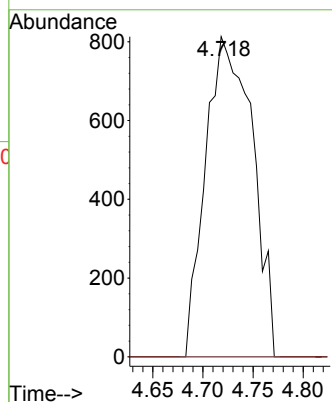
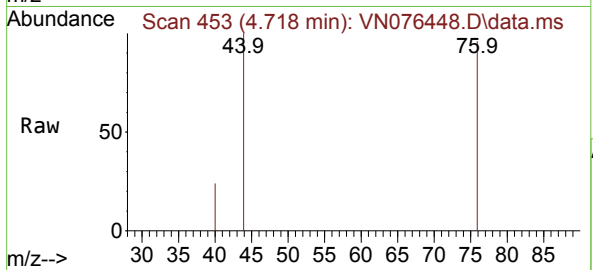




#17  
Carbon Disulfide  
Concen: 0.307 ug/l  
RT: 4.718 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

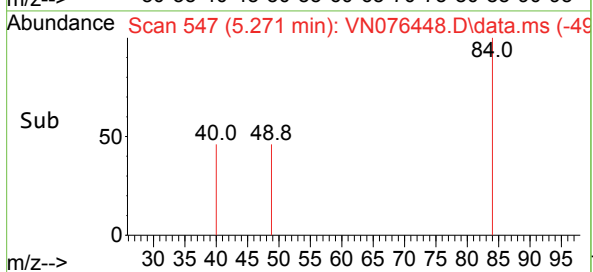
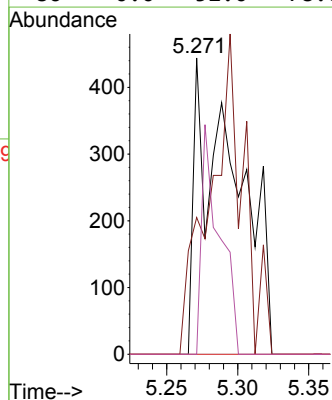
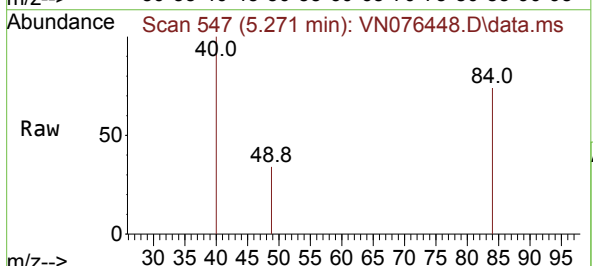
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MSVOA\_N  
ClientSampleId :

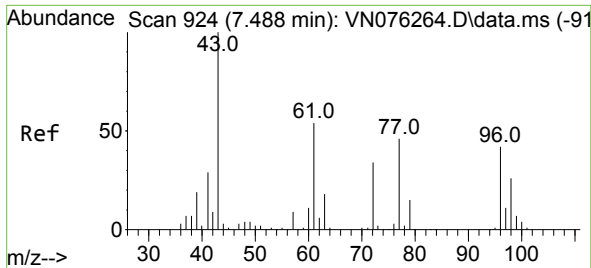
Tgt Ion: 76 Resp: 2646  
Ion Ratio Lower Upper  
76 100  
78 0.0 8.0 12.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.271 min Scan# 547  
Delta R.T. -0.018 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 84 Resp: 895  
Ion Ratio Lower Upper  
84 100  
49 46.2 84.5 126.7#  
51 0.0 26.0 39.0#  
86 0.0 52.0 78.0#





#25

2-Butanone

Concen: 0.559 ug/l

RT: 7.524 min Scan# 91

Delta R.T. 0.036 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

Instrument :

MSVOA\_N

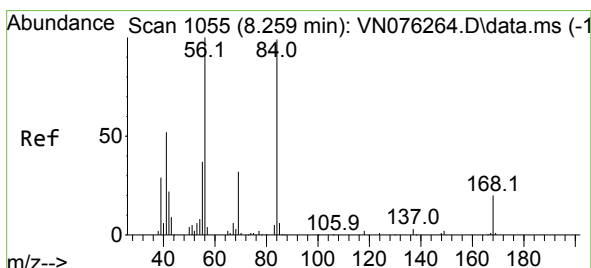
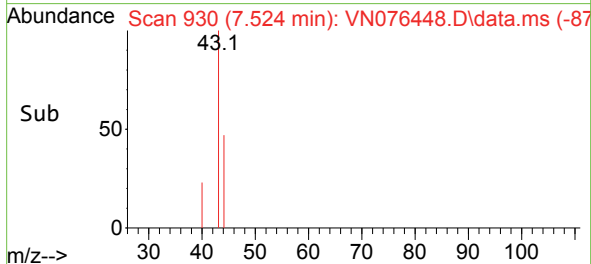
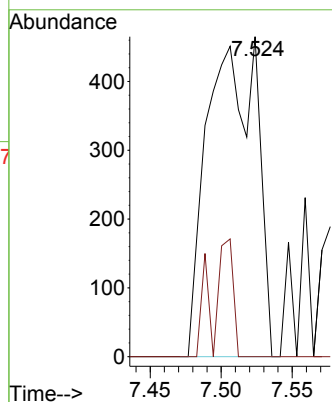
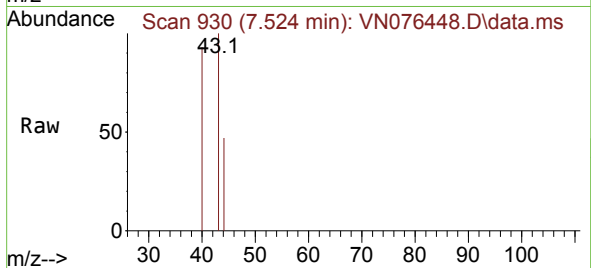
ClientSampleId :

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

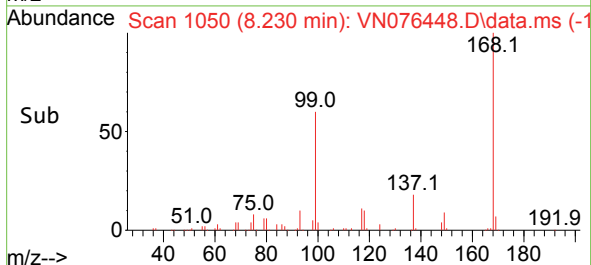
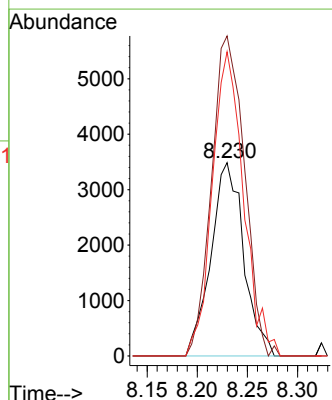
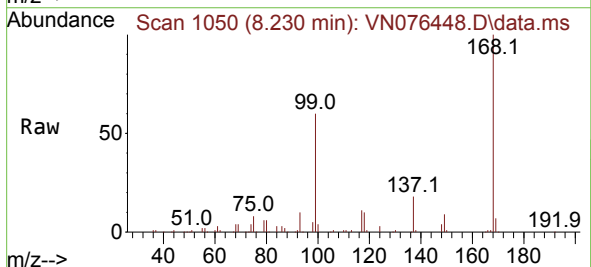
Tgt Ion: 56 Resp: 7904

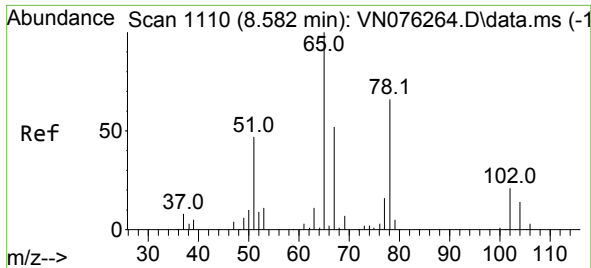
Ion Ratio Lower Upper

56 100

69 165.5 25.8 38.8#

84 157.4 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 54.694 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

Instrument :

MSVOA\_N

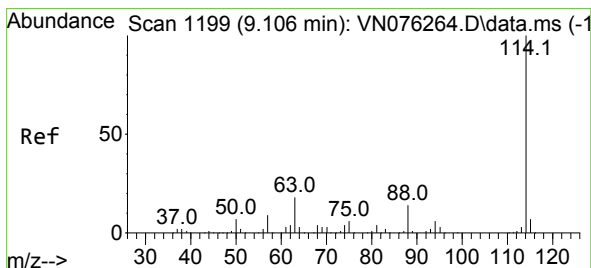
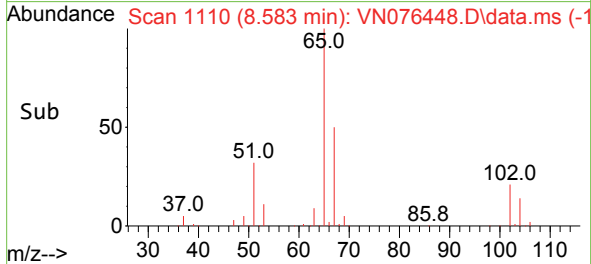
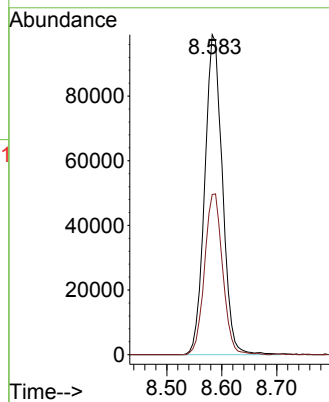
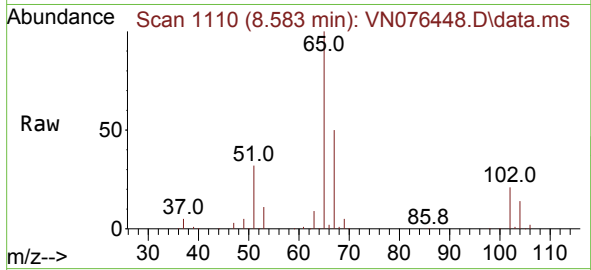
ClientSampleId :

Tgt Ion: 65 Resp: 221235

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

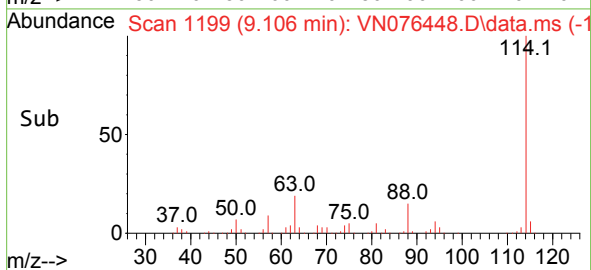
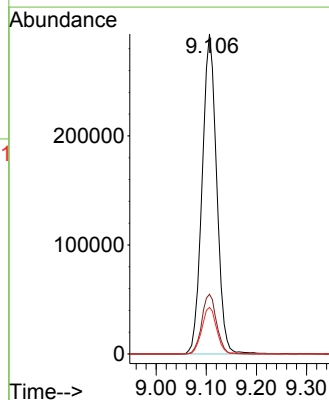
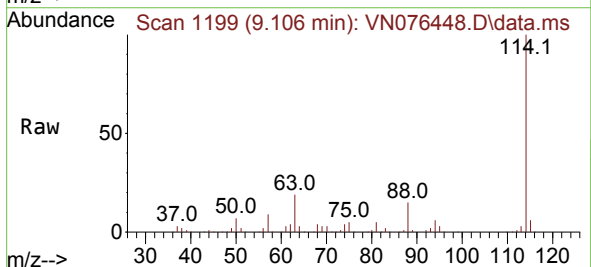
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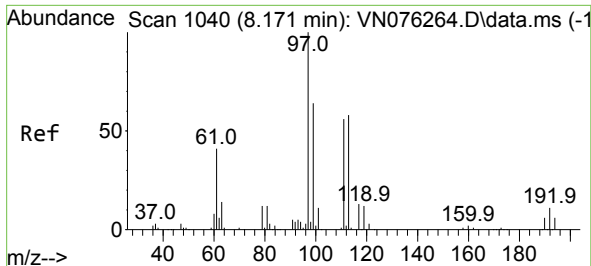
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

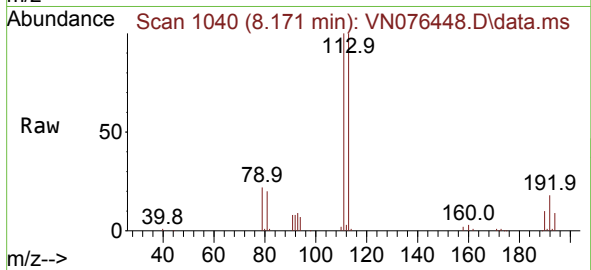
88 14.5 0.0 28.0



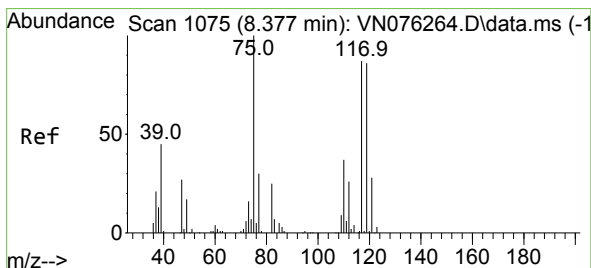
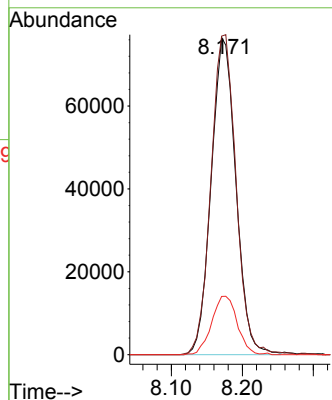
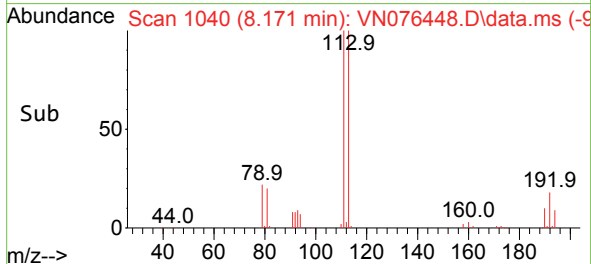


#35  
Dibromofluoromethane  
Concen: 49.923 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Instrument :  
MSVOA\_N  
ClientSampleId :

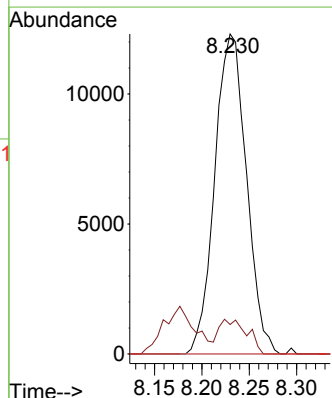
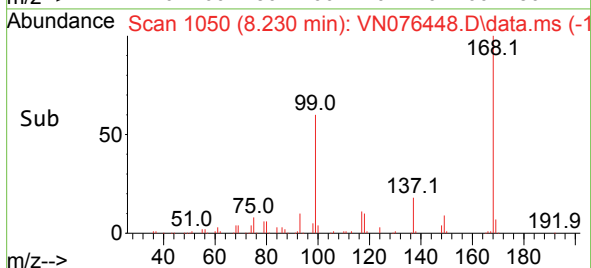
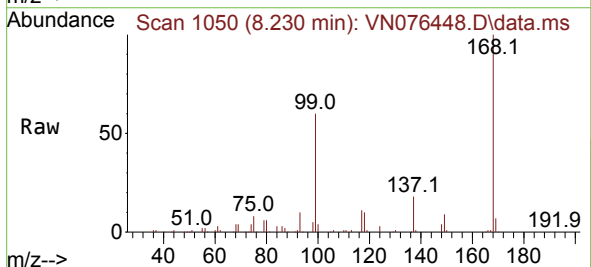


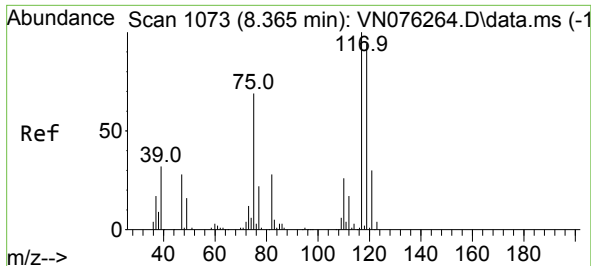
Tgt Ion:113 Resp: 184413  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.7 124.1  
192 19.1 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 5.453 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.147 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

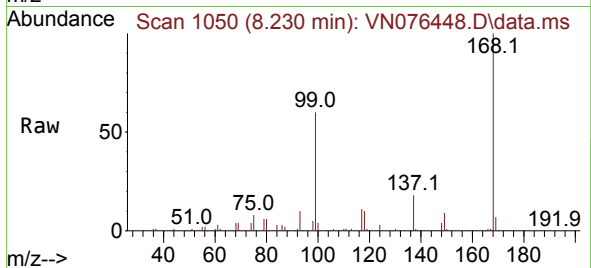
Tgt Ion: 75 Resp: 28621  
Ion Ratio Lower Upper  
75 100  
110 9.5 18.8 56.3#  
77 0.0 25.0 37.4#



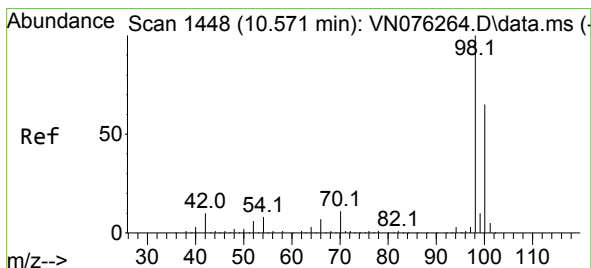
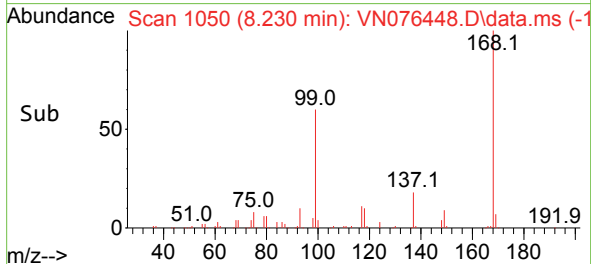
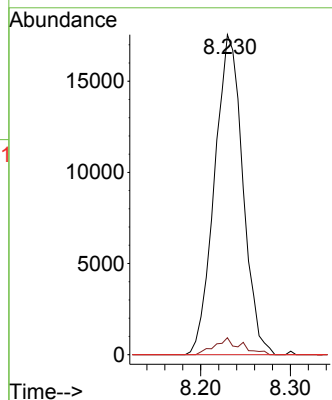


#38  
Carbon Tetrachloride  
Concen: 6.554 ug/l  
RT: 8.230 min Scan# 1073  
Delta R.T. -0.135 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Instrument :  
MSVOA\_N  
ClientSampleId :

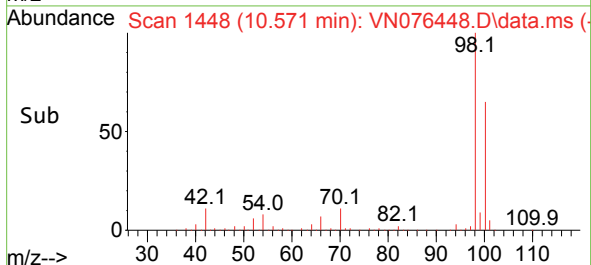
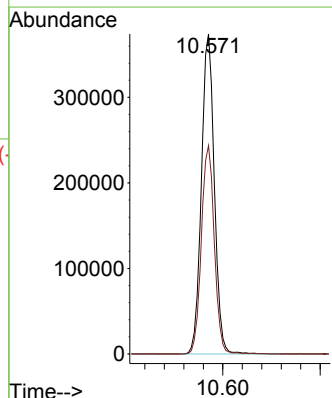
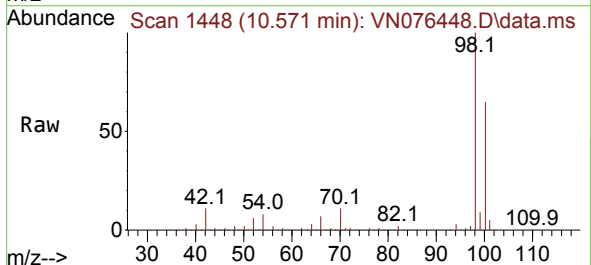


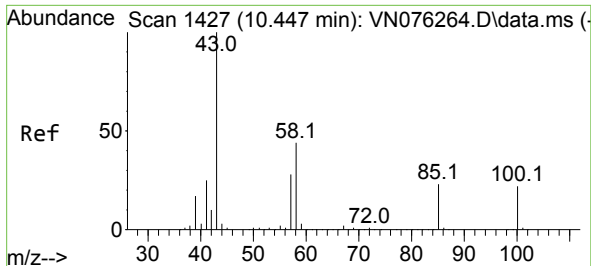
Tgt Ion:117 Resp: 38361  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.4 113.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 50.378 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 98 Resp: 687260  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.2 78.4

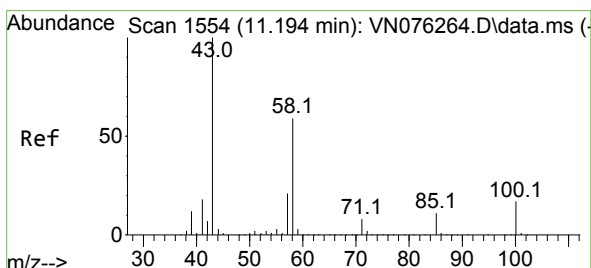
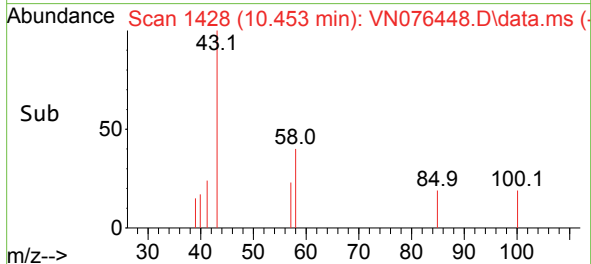
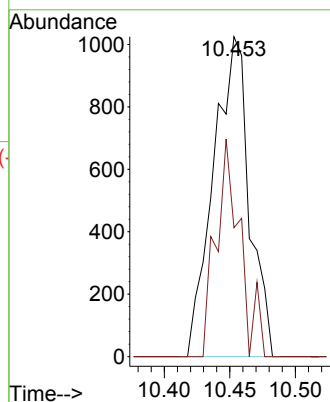
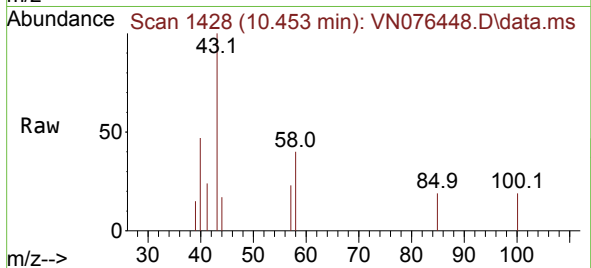




#51  
4-Methyl-2-Pentanone  
Concen: 0.484 ug/l  
RT: 10.453 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

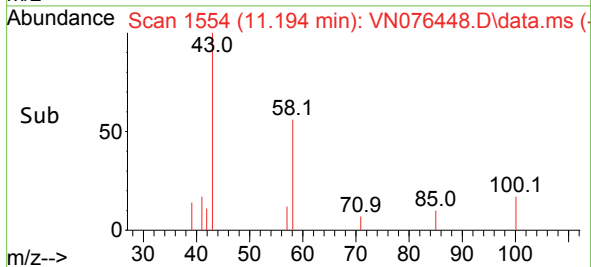
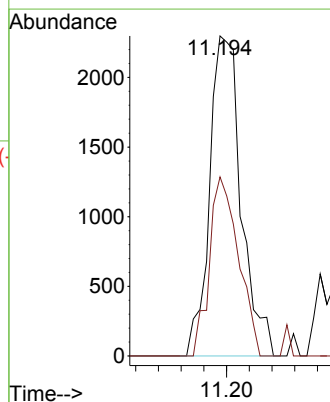
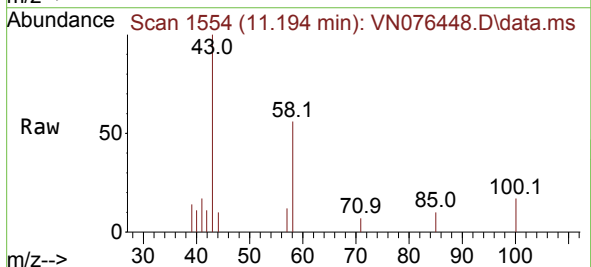
Instrument :  
MSVOA\_N  
ClientSampleId :

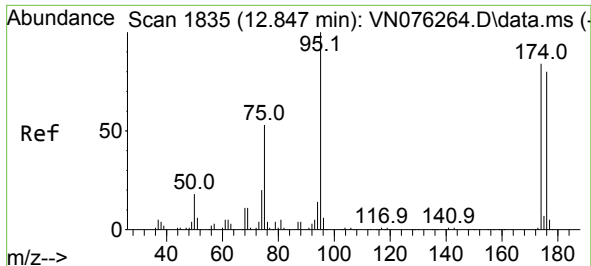
Tgt Ion: 43 Resp: 1946  
Ion Ratio Lower Upper  
43 100  
58 45.6 35.1 52.7



#59  
2-Hexanone  
Concen: 1.525 ug/l  
RT: 11.194 min Scan# 1554  
Delta R.T. 0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 43 Resp: 4443  
Ion Ratio Lower Upper  
43 100  
58 51.3 30.1 90.3

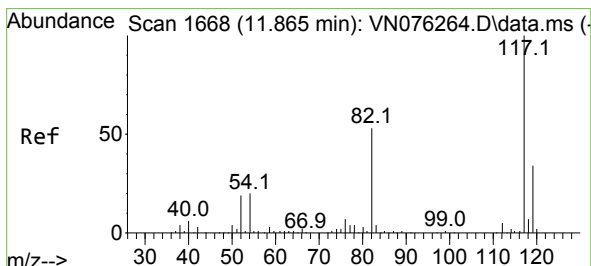
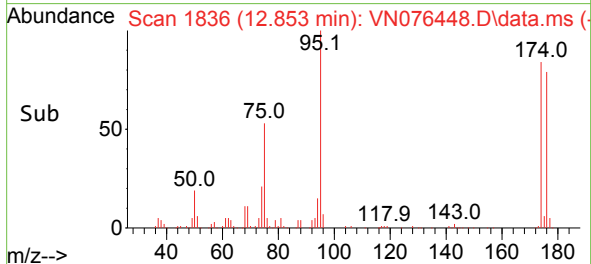
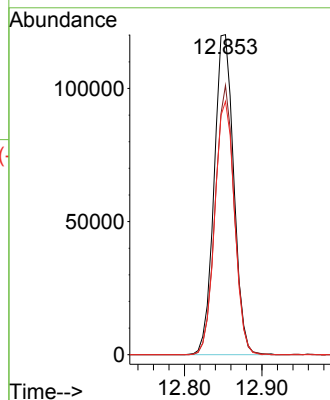
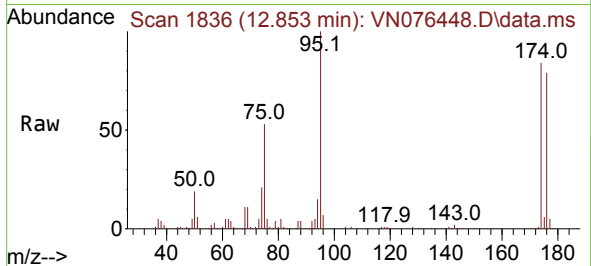




#62  
4-Bromofluorobenzene  
Concen: 47.579 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

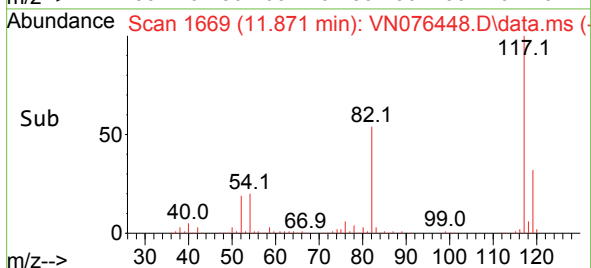
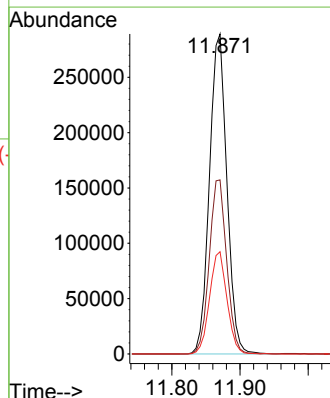
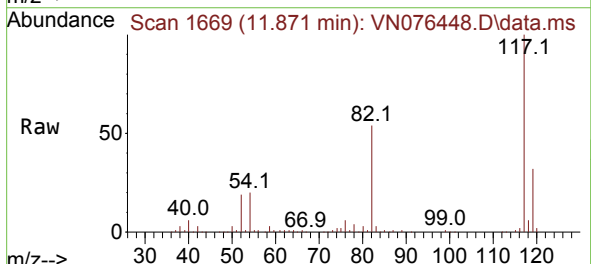
Instrument :  
MSVOA\_N  
ClientSampleId :

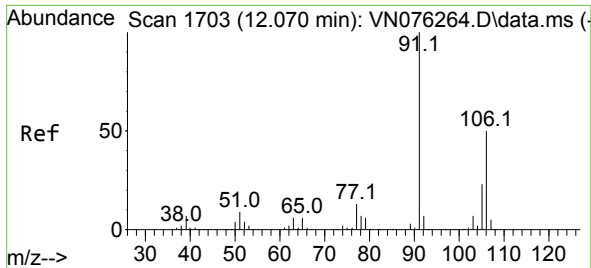
Tgt Ion: 95 Resp: 211896  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 174.6  
176 79.4 0.0 167.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 117 Resp: 514474  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.2 63.2  
119 32.0 26.9 40.3

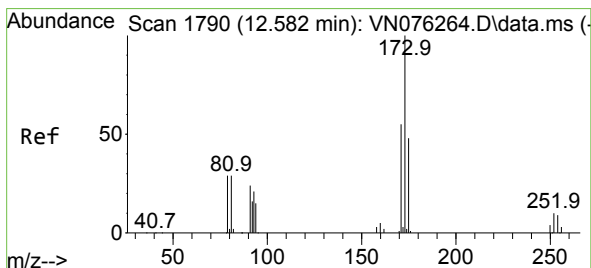
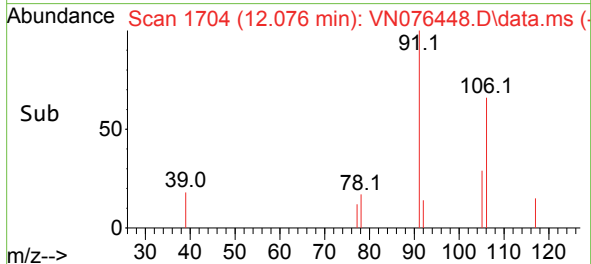
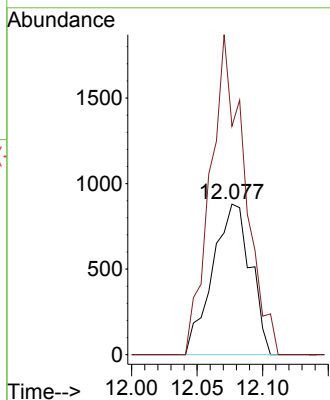
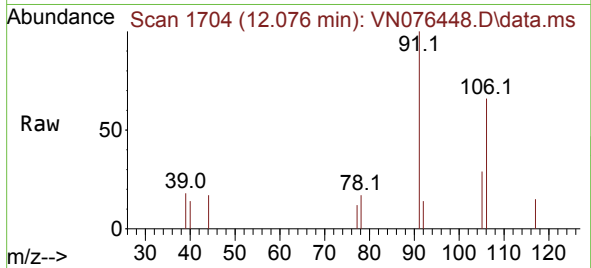




#68  
m/p-Xylenes  
Concen: 0.239 ug/l  
RT: 12.076 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

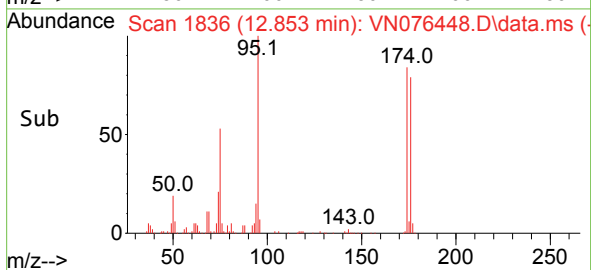
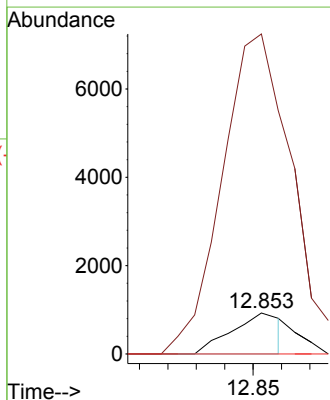
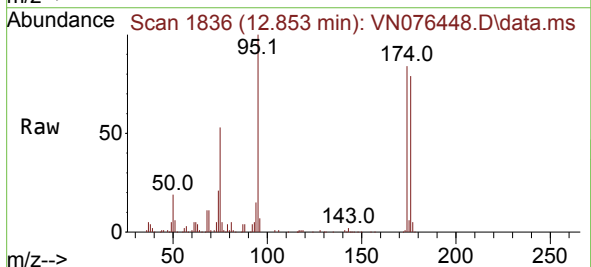
Instrument :  
MSVOA\_N  
ClientSampleId :

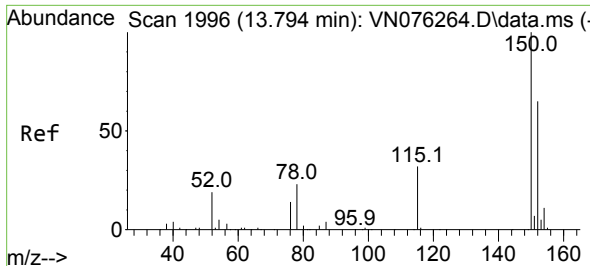
Tgt Ion:106 Resp: 1781  
Ion Ratio Lower Upper  
106 100  
91 191.0 157.5 236.3



#71  
Bromoform  
Concen: 0.385 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.271 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion:173 Resp: 1124  
Ion Ratio Lower Upper  
173 100  
175 892.2 24.1 72.4#  
254 0.0 0.0 0.0

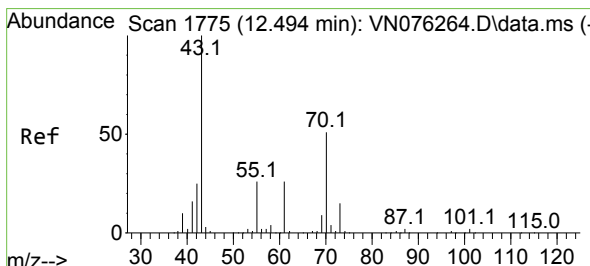
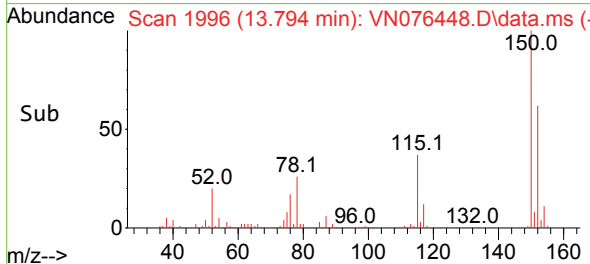
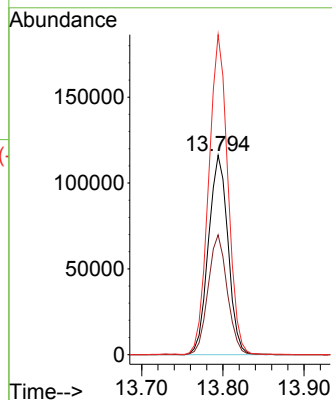
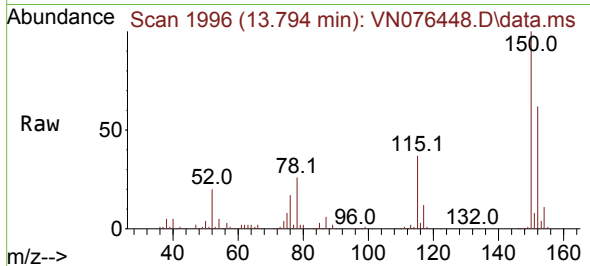




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN076448.D  
 Acq: 30 Jan 2023 11:31

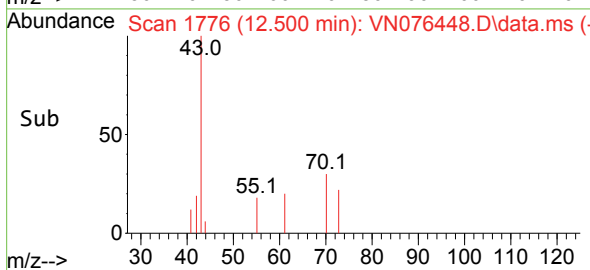
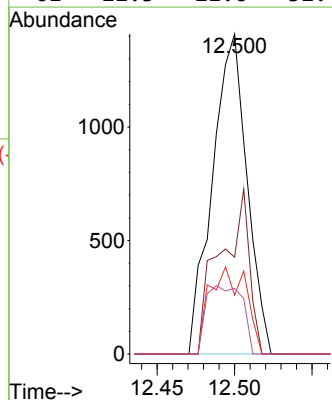
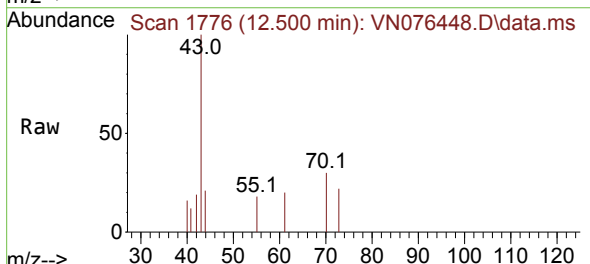
Instrument :  
 MSVOA\_N  
 ClientSampleId :

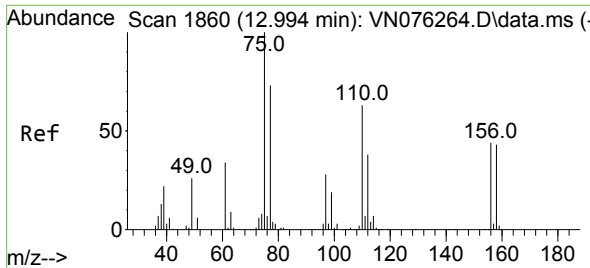
Tgt Ion:152 Resp: 194147  
 Ion Ratio Lower Upper  
 152 100  
 115 59.2 29.6 88.9  
 150 157.6 0.0 351.4



#74  
 N-ethyl acetate  
 Concen: 0.506 ug/l  
 RT: 12.500 min Scan# 1776  
 Delta R.T. 0.006 min  
 Lab File: VN076448.D  
 Acq: 30 Jan 2023 11:31

Tgt Ion: 43 Resp: 2187  
 Ion Ratio Lower Upper  
 43 100  
 70 43.4 41.2 61.8  
 55 28.2 21.0 31.6  
 61 22.3 21.6 32.4

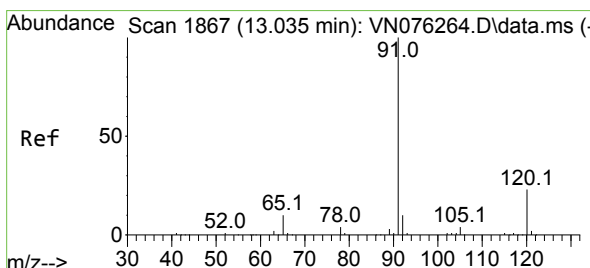
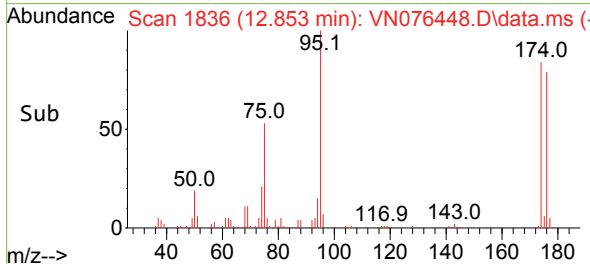
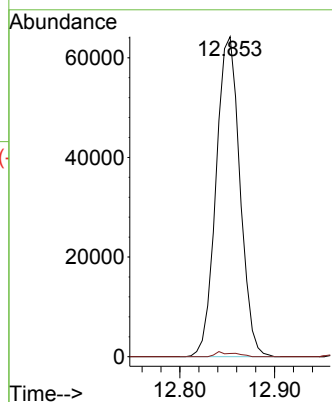
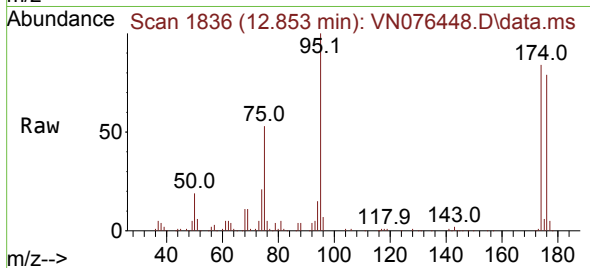




#76  
1,2,3-Trichloropropane  
Concen: 31.457 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

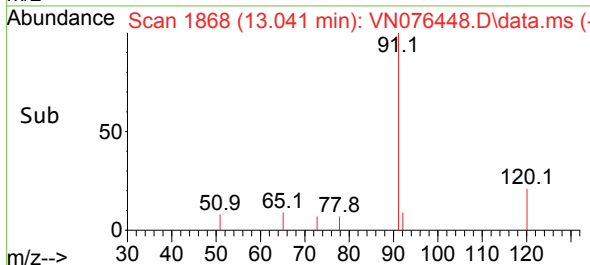
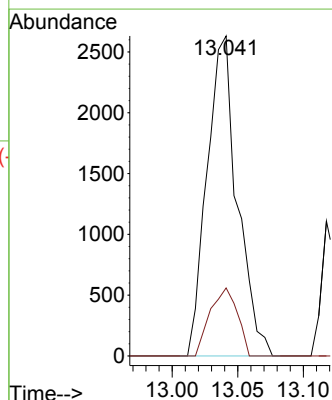
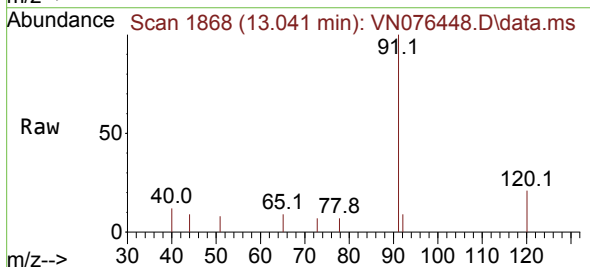
Instrument :  
MSVOA\_N  
ClientSampleId :

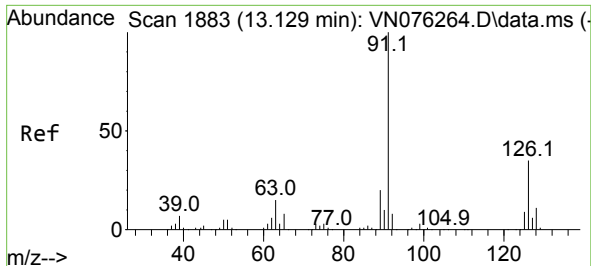
Tgt Ion: 75 Resp: 112501  
Ion Ratio Lower Upper  
75 100  
77 1.2 75.2 225.6#



#78  
n-propylbenzene  
Concen: 0.250 ug/l  
RT: 13.041 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

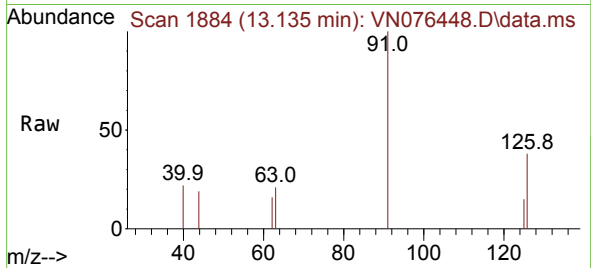
Tgt Ion: 91 Resp: 4231  
Ion Ratio Lower Upper  
91 100  
120 19.1 11.9 35.5



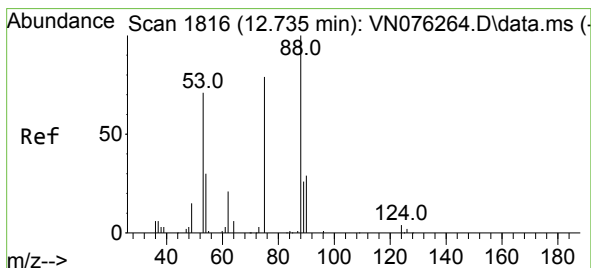
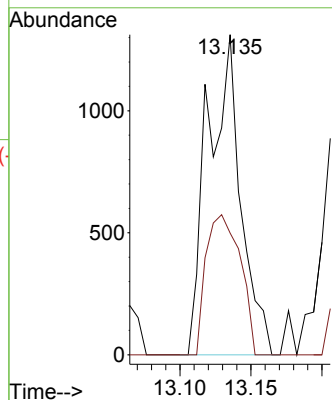
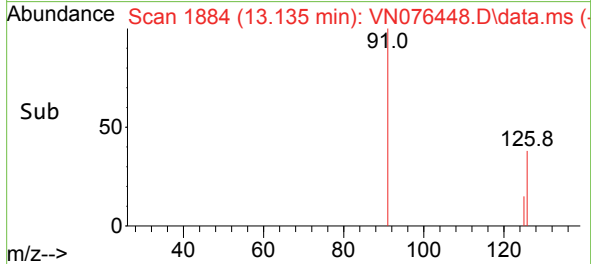


#79  
2-Chlorotoluene  
Concen: 0.203 ug/l  
RT: 13.135 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

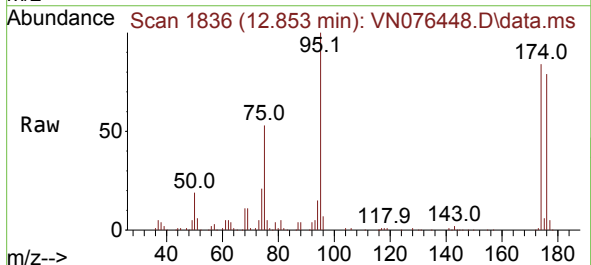
Instrument :  
MSVOA\_N  
ClientSampleId :



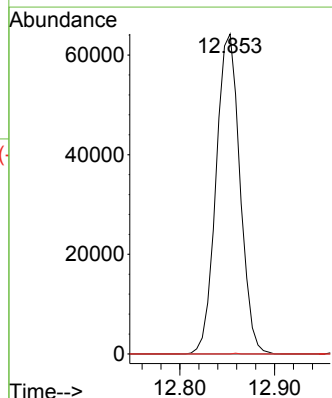
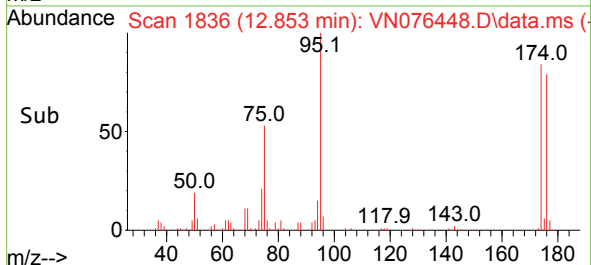
Tgt Ion: 91 Resp: 2113  
Ion Ratio Lower Upper  
91 100  
126 45.5 17.4 52.2

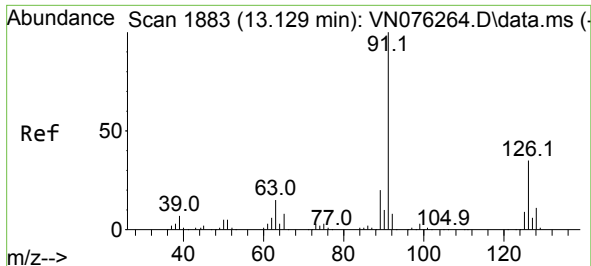


#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.413 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.118 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31



Tgt Ion: 75 Resp: 112501  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.8 113.8#  
89 0.1 37.0 55.6#

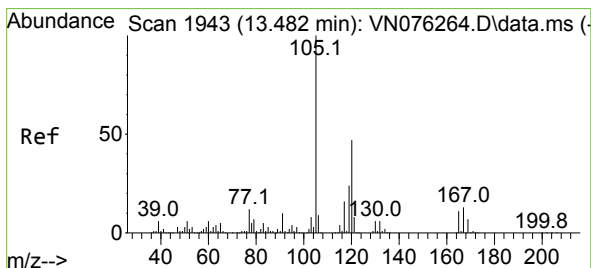
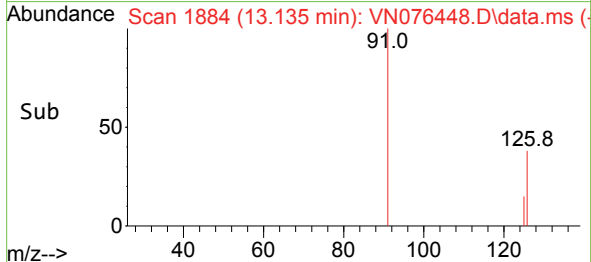
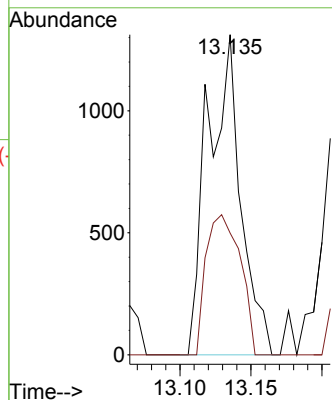
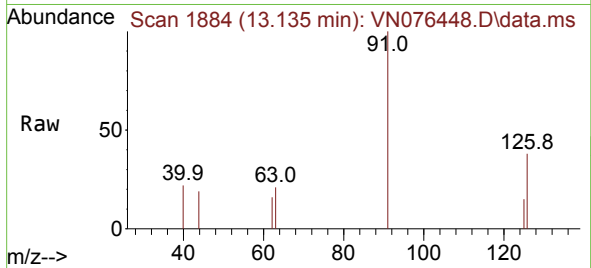




#82  
4-Chlorotoluene  
Concen: 0.203 ug/l  
RT: 13.135 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

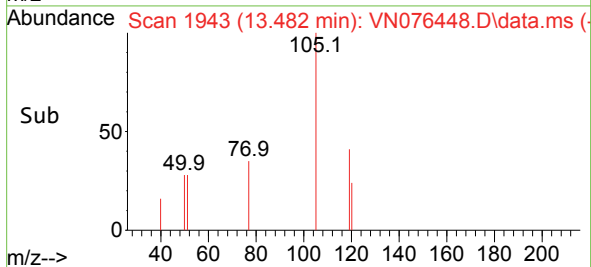
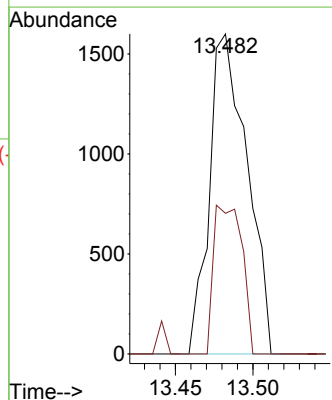
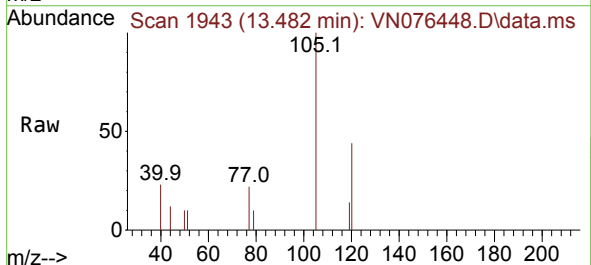
Instrument :  
MSVOA\_N  
ClientSampleId :

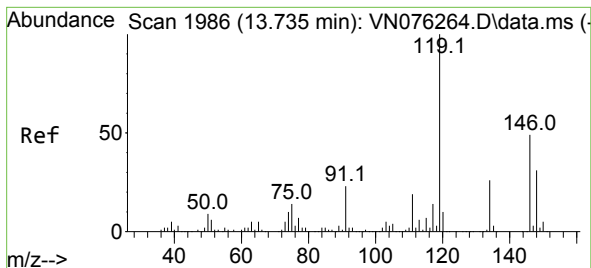
Tgt Ion: 91 Resp: 2113  
Ion Ratio Lower Upper  
91 100  
126 45.5 17.4 52.2



#84  
1,2,4-Trimethylbenzene  
Concen: 0.215 ug/l  
RT: 13.482 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 105 Resp: 2707  
Ion Ratio Lower Upper  
105 100  
120 35.0 22.9 68.5





#87

1,3-Dichlorobenzene

Concen: 0.547 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

Instrument :

MSVOA\_N

ClientSampleId :

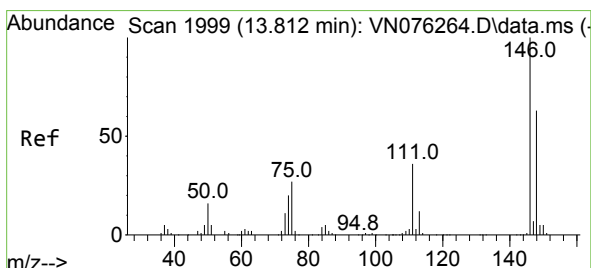
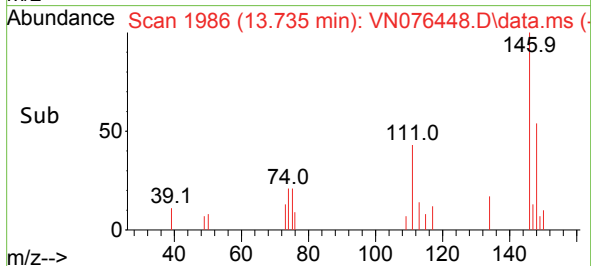
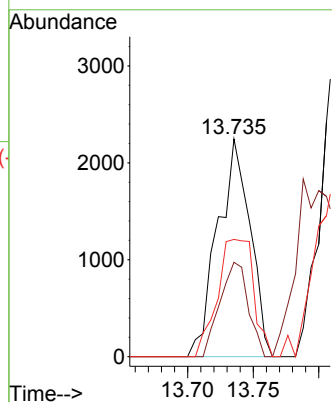
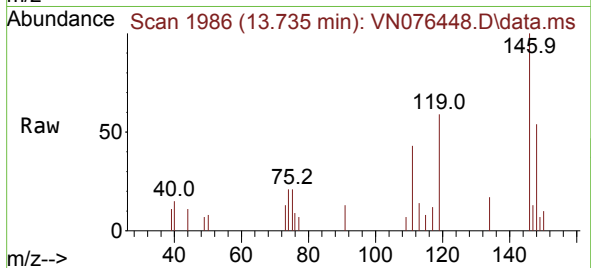
Tgt Ion:146 Resp: 3874

Ion Ratio Lower Upper

146 100

111 37.7 19.9 59.7

148 60.1 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 0.675 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.077 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

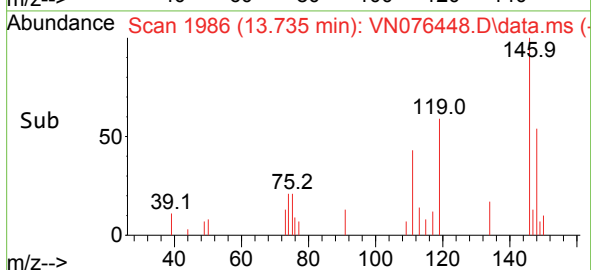
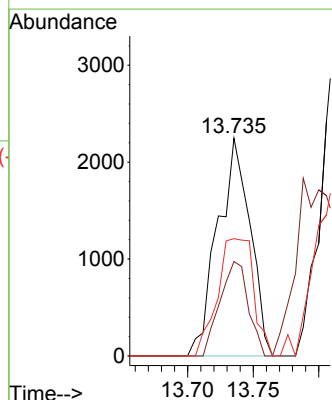
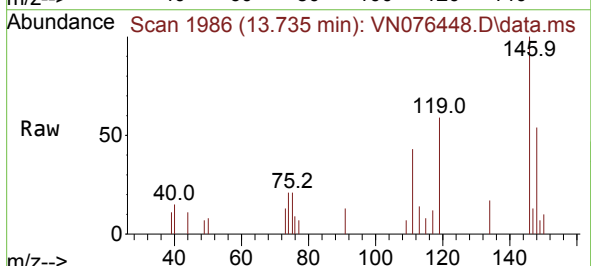
Tgt Ion:146 Resp: 3874

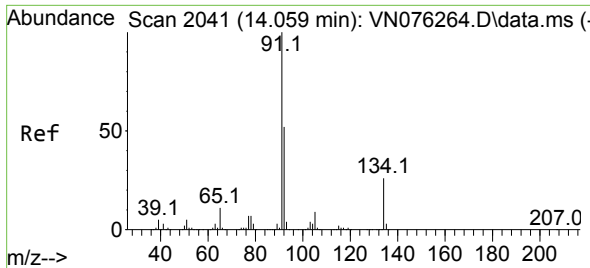
Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.5

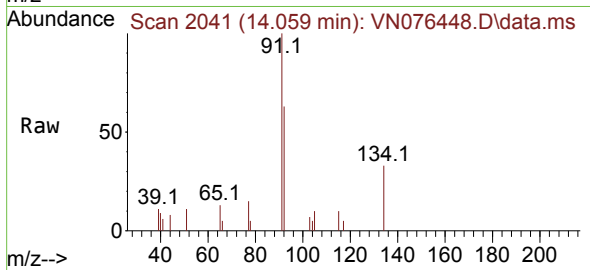
148 60.1 31.9 95.9



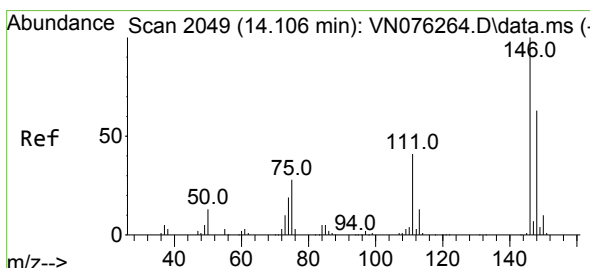
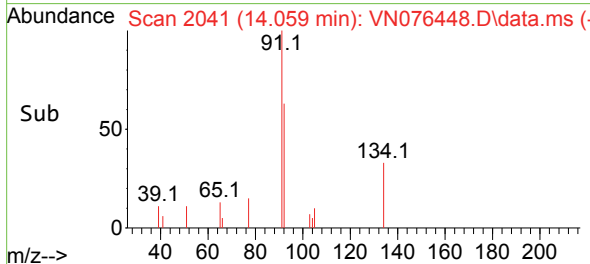
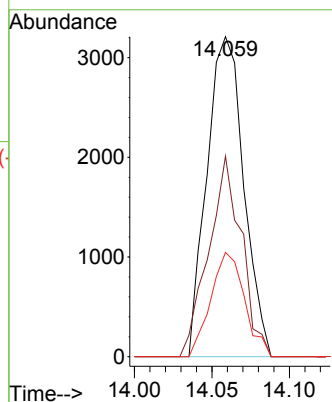


#89  
n-Butylbenzene  
Concen: 0.522 ug/l  
RT: 14.059 min Scan# 2041  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Instrument :  
MSVOA\_N  
ClientSampleId :

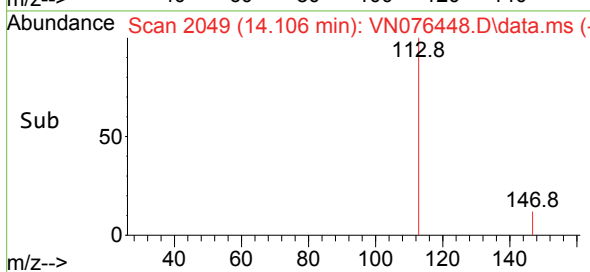
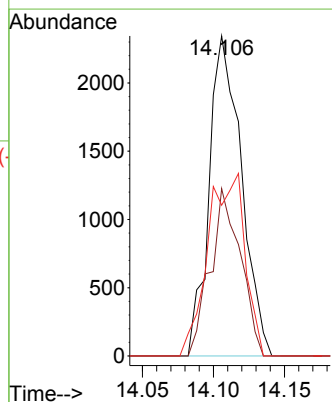
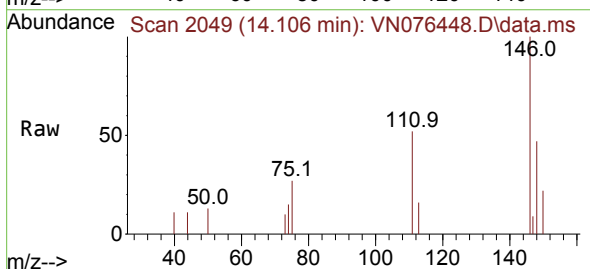


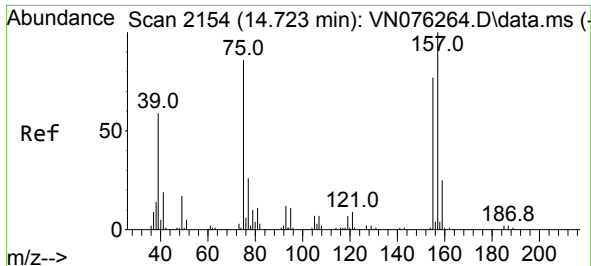
Tgt Ion: 91 Resp: 5296  
Ion Ratio Lower Upper  
91 100  
92 56.0 26.3 78.9  
134 29.9 13.2 39.5



#91  
1,2-Dichlorobenzene  
Concen: 0.526 ug/l  
RT: 14.106 min Scan# 2049  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Tgt Ion: 146 Resp: 3709  
Ion Ratio Lower Upper  
146 100  
111 49.0 20.3 60.8  
148 65.2 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.292 ug/l

RT: 14.729 min Scan# 2154

Delta R.T. 0.006 min

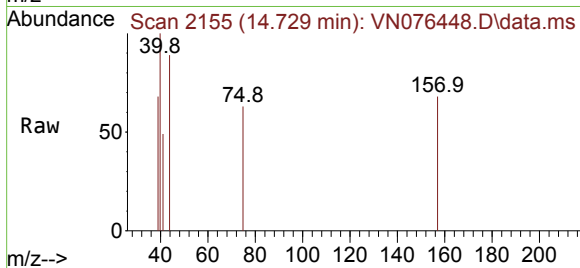
Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

Instrument :

MSVOA\_N

ClientSampleId :



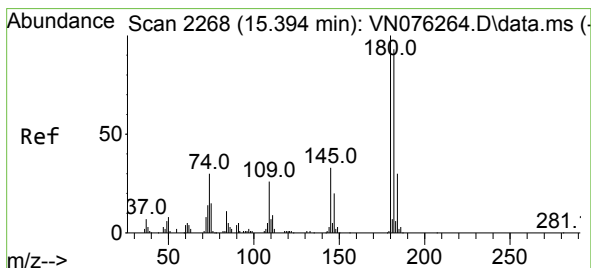
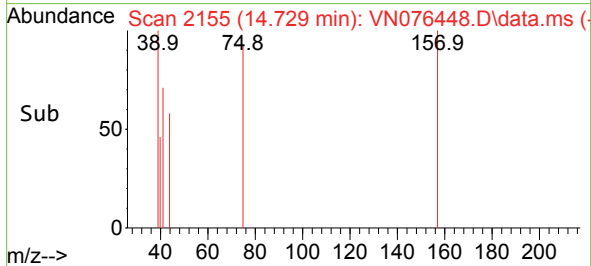
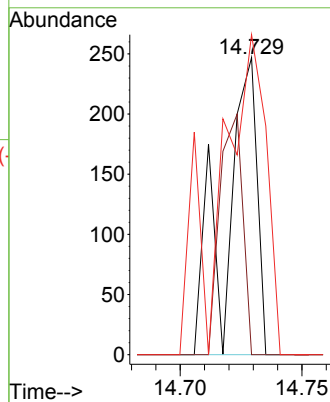
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

155 59.4 45.0 135.0

157 161.6 58.3 174.9



#93

1,2,4-Trichlorobenzene

Concen: 2.845 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN076448.D

Acq: 30 Jan 2023 11:31

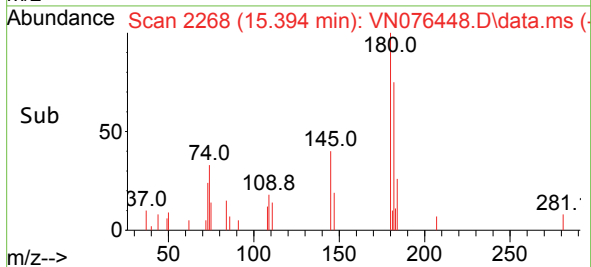
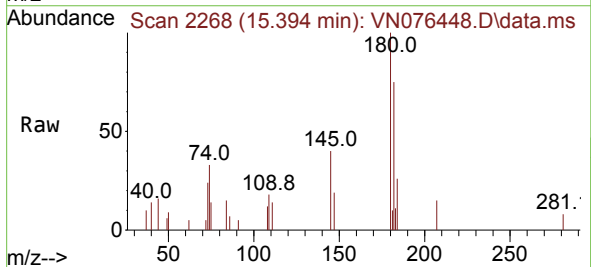
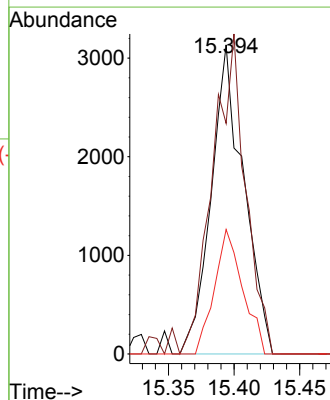
Tgt Ion: 180 Resp: 5385

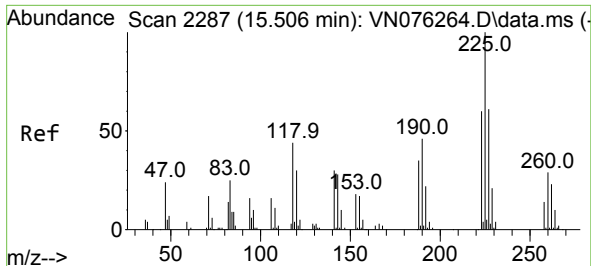
Ion Ratio Lower Upper

180 100

182 106.7 47.0 141.2

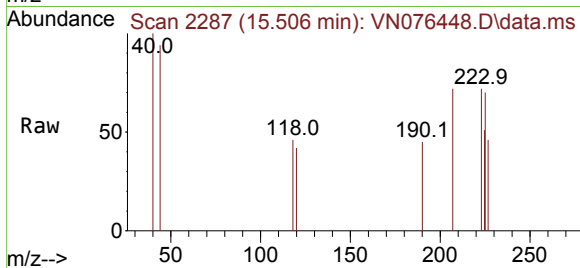
145 35.2 15.2 45.5



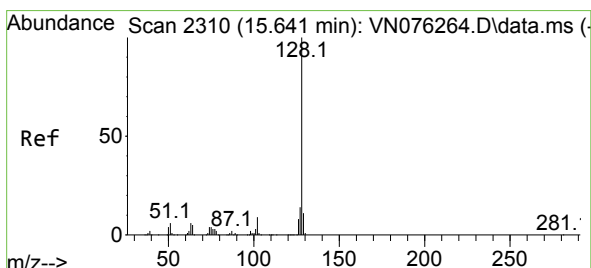
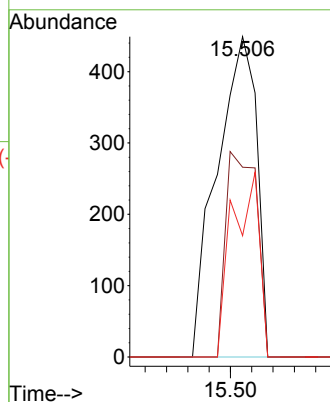
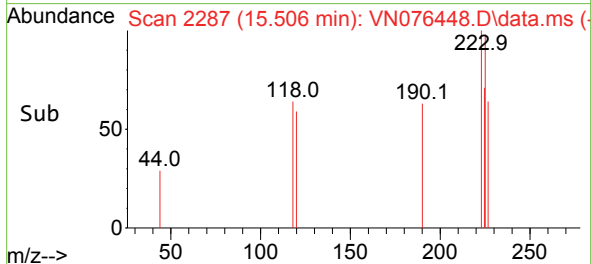


#94  
Hexachlorobutadiene  
Concen: 0.311 ug/l  
RT: 15.506 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

Instrument :  
MSVOA\_N  
ClientSampleId :

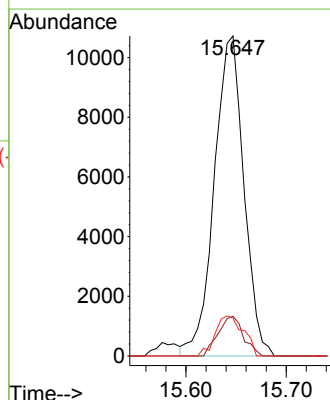
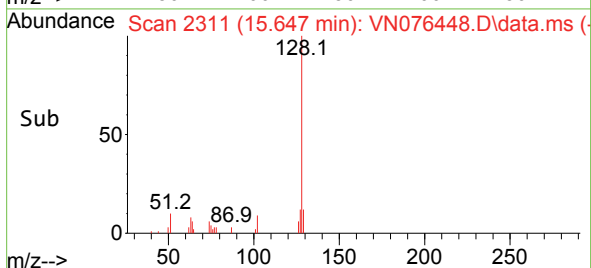
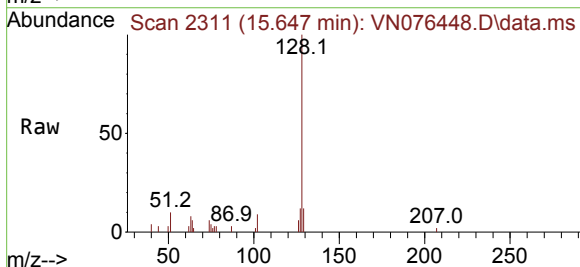


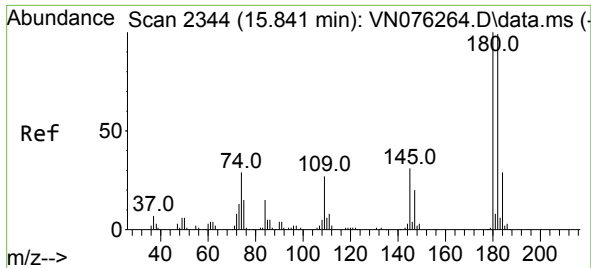
Tgt Ion:225 Resp: 582  
Ion Ratio Lower Upper  
225 100  
223 49.7 30.8 92.3  
227 39.3 30.9 92.8



#95  
Naphthalene  
Concen: 3.933 ug/l  
RT: 15.647 min Scan# 2311  
Delta R.T. 0.006 min  
Lab File: VN076448.D  
Acq: 30 Jan 2023 11:31

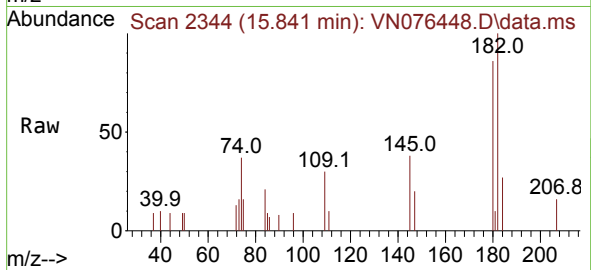
Tgt Ion:128 Resp: 21928  
Ion Ratio Lower Upper  
128 100  
127 10.6 10.3 15.5  
129 11.9 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.825 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076448.D  
 Acq: 30 Jan 2023 11:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 5554  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 101.3 | 47.5  | 142.5 |
| 145      | 34.1  | 15.9  | 47.6  |

