

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075658.D  
 Acq On : 08 Dec 2022 19:44  
 Operator : JC\MD  
 Sample : N5865-01DL 400X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LEA-7IDL

Quant Time: Dec 09 02:31:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

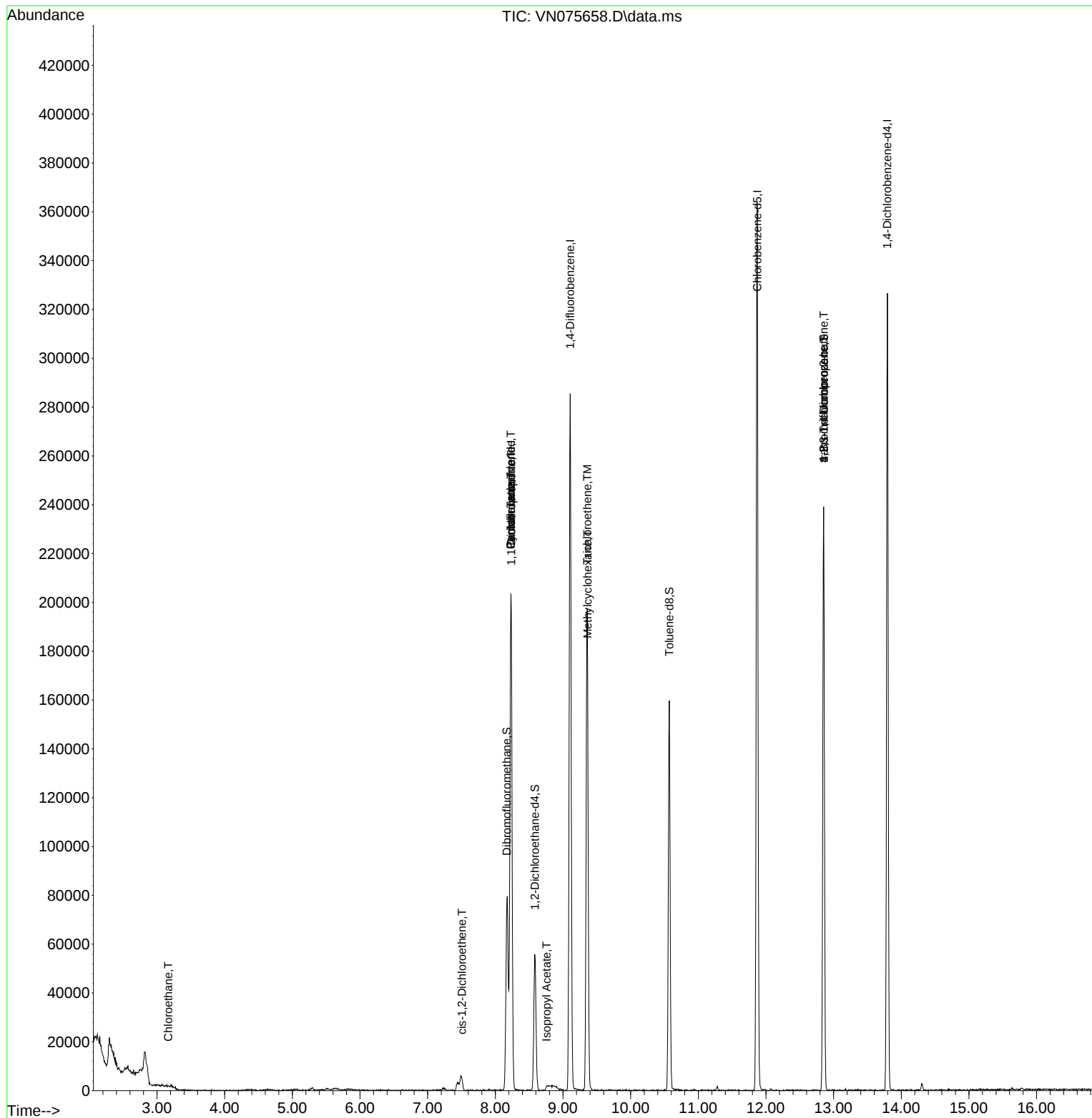
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 162322   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 265342   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 226375   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 95417    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 45071    | 51.727    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 103.460% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 58315    | 55.946    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 111.900% |          |
| 50) Toluene-d8                | 10.571 | 98    | 115205   | 49.072    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 98.140%  |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 81684    | 47.139    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 94.280%  |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 6) Chloroethane               | 3.165  | 64    | 479      | 0.325     | ug/l #     | 45       |
| 18) Methyl Acetate            | 5.059  | 43    | 1452     | Below Cal | #          | 47       |
| 20) Methylene Chloride        | 5.283  | 84    | 841      | Below Cal | #          | 45       |
| 27) cis-1,2-Dichloroethene    | 7.506  | 96    | 3883     | 2.005     | ug/l       | 86       |
| 31) Cyclohexane               | 8.230  | 56    | 2812     | 1.016     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.236  | 75    | 10982    | 4.831     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 15748    | 6.307     | ug/l #     | 15       |
| 39) Methylcyclohexane         | 9.365  | 83    | 691      | 0.243     | ug/l #     | 18       |
| 43) Isopropyl Acetate         | 8.759  | 43    | 708      | 0.216     | ug/l #     | 53       |
| 44) Trichloroethene           | 9.359  | 130   | 75043    | 39.407    | ug/l       | 94       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 40604    | 22.507    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 40604    | 66.592    | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

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

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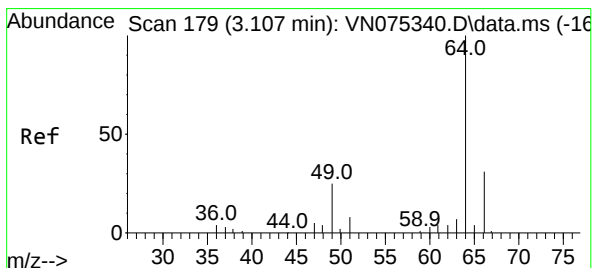
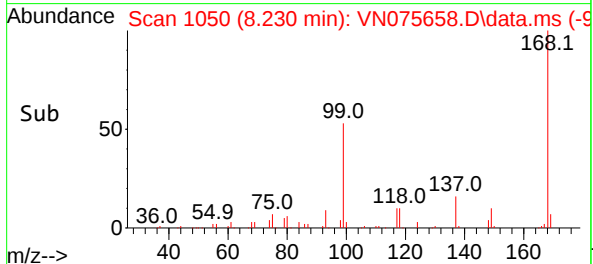
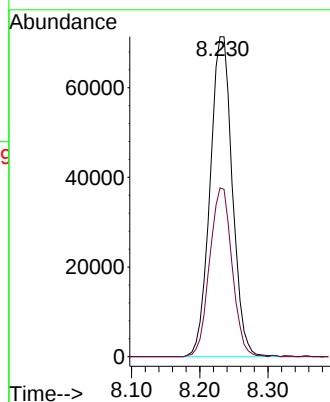
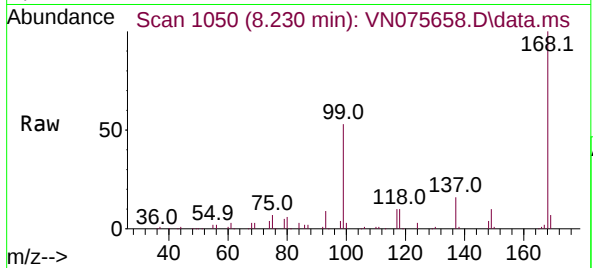




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

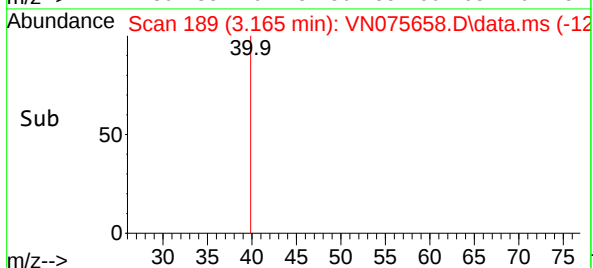
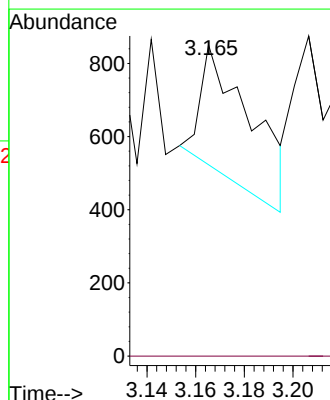
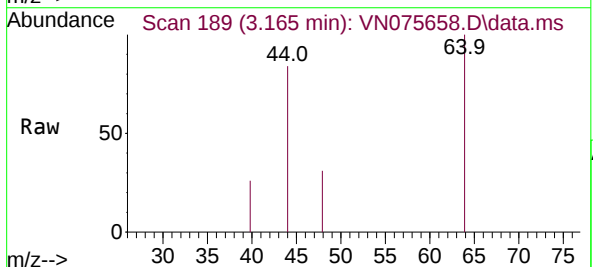
Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

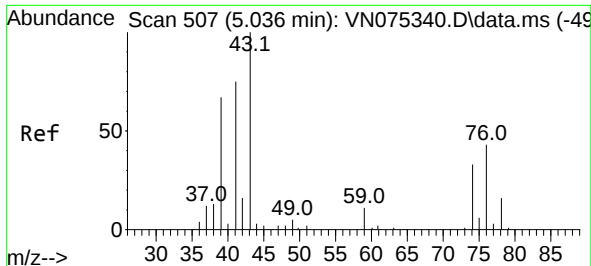
Tgt Ion:168 Resp: 162322  
Ion Ratio Lower Upper  
168 100  
99 52.8 51.6 77.4



#6  
Chloroethane  
Concen: 0.325 ug/l  
RT: 3.165 min Scan# 189  
Delta R.T. 0.058 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion: 64 Resp: 479  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.8#

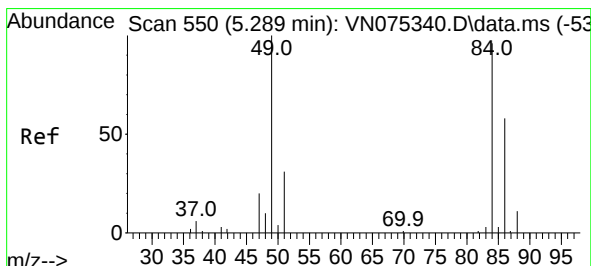
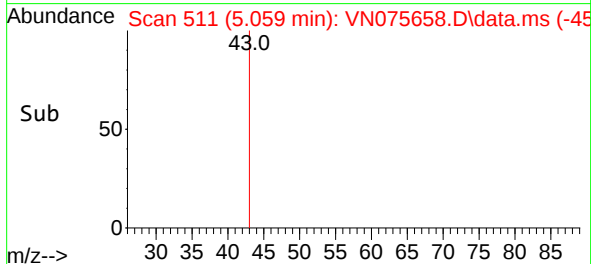
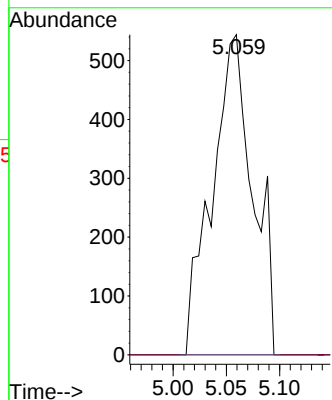
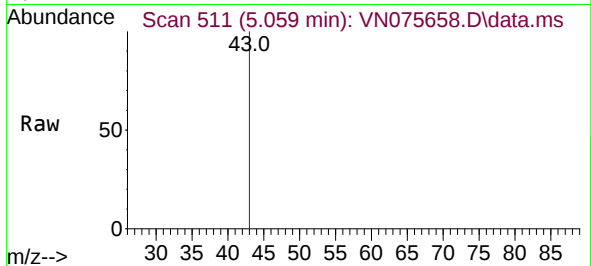




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.059 min Scan# 511  
Delta R.T. 0.023 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

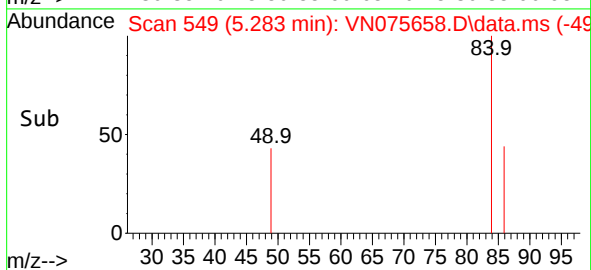
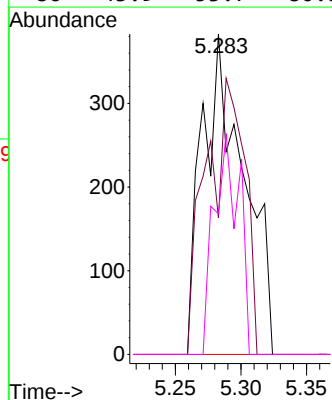
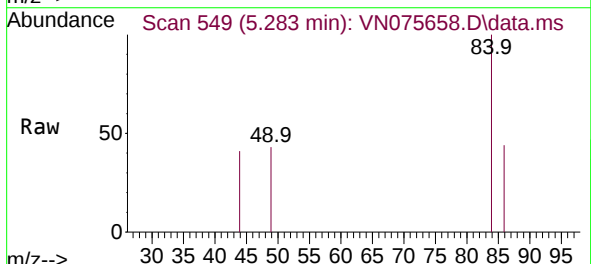
Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

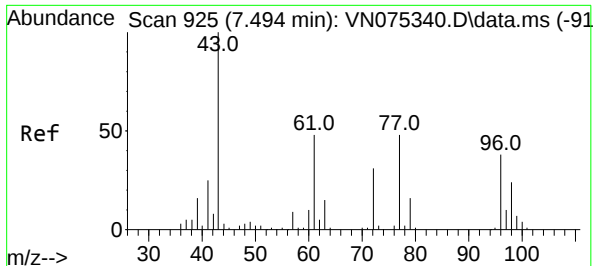
Tgt Ion: 43 Resp: 1452  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion: 84 Resp: 841  
Ion Ratio Lower Upper  
84 100  
49 42.6 94.9 142.3#  
51 0.0 26.8 40.2#  
86 43.9 53.7 80.5#





#27

cis-1,2-Dichloroethene

Concen: 2.005 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

Instrument :

MSVOA\_N

ClientSampleId :

LEA-7IDL

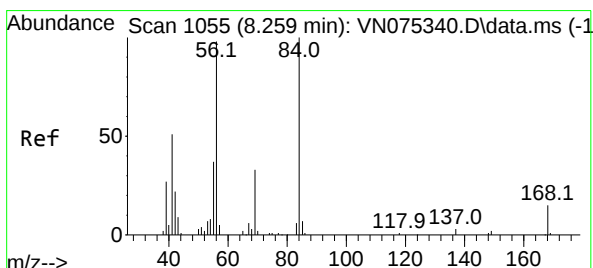
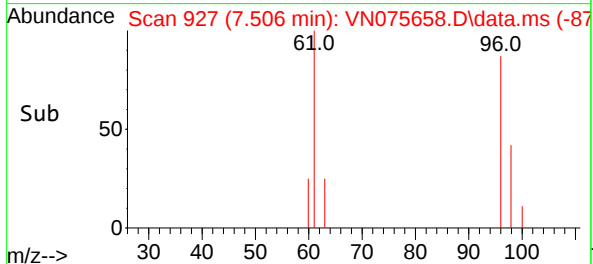
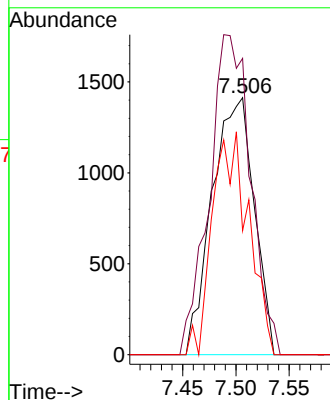
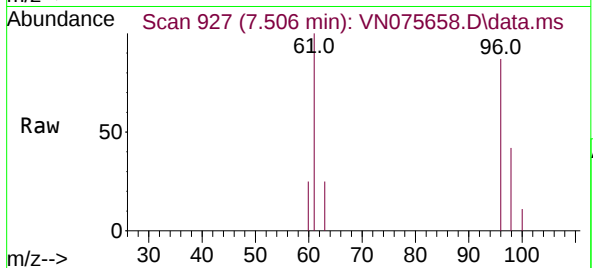
Tgt Ion: 96 Resp: 3883

Ion Ratio Lower Upper

96 100

61 122.2 0.0 278.8

98 74.5 0.0 128.4



#31

Cyclohexane

Concen: 1.016 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

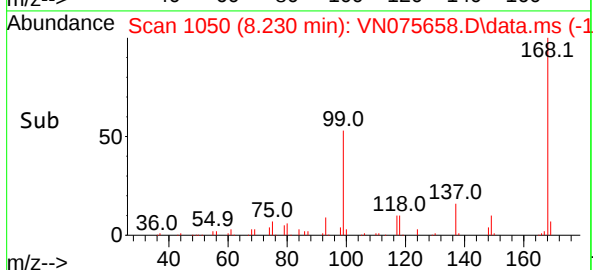
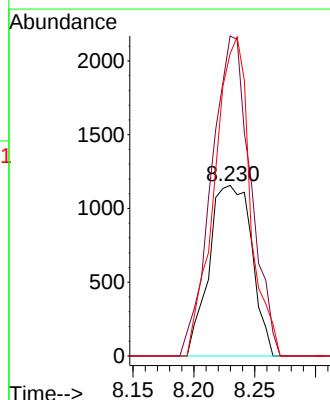
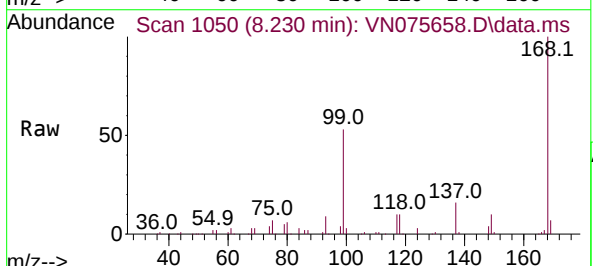
Tgt Ion: 56 Resp: 2812

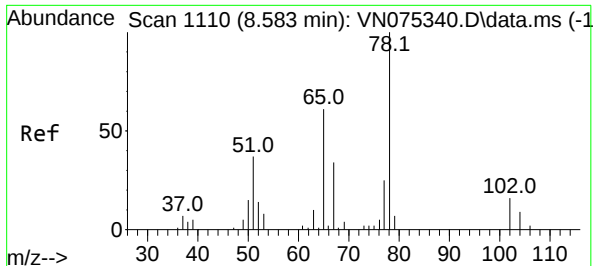
Ion Ratio Lower Upper

56 100

69 187.6 25.2 37.8#

84 177.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 51.727 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

Instrument :

MSVOA\_N

ClientSampleId :

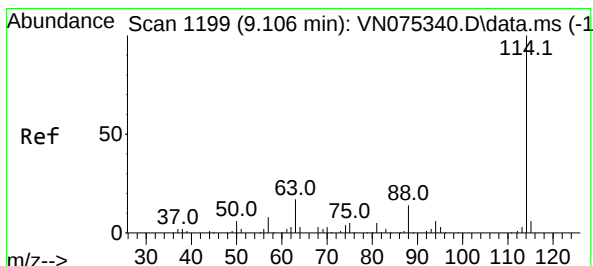
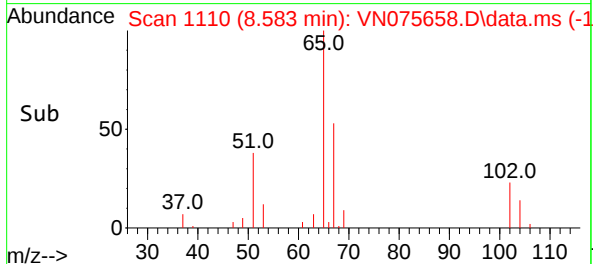
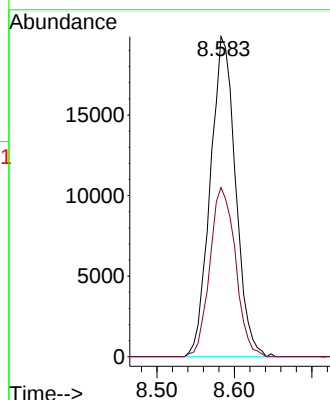
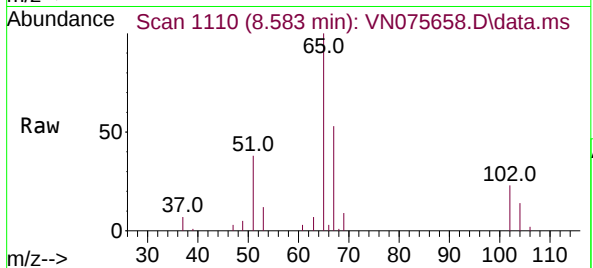
LEA-7IDL

Tgt Ion: 65 Resp: 45071

Ion Ratio Lower Upper

65 100

67 53.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

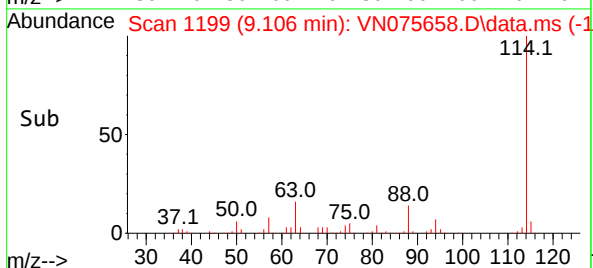
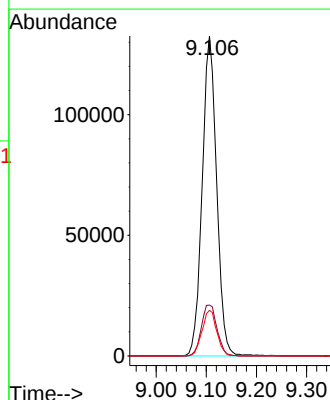
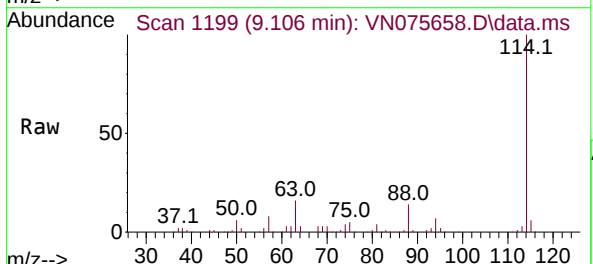
Tgt Ion: 114 Resp: 265342

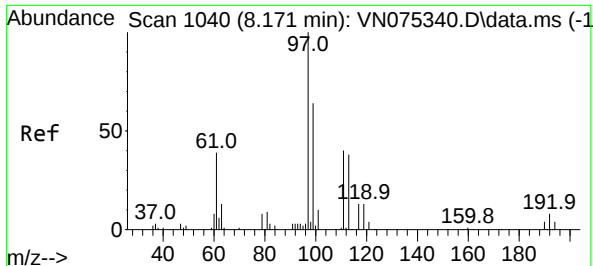
Ion Ratio Lower Upper

114 100

63 15.9 0.0 39.6

88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.946 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

Instrument :

MSVOA\_N

ClientSampleId :

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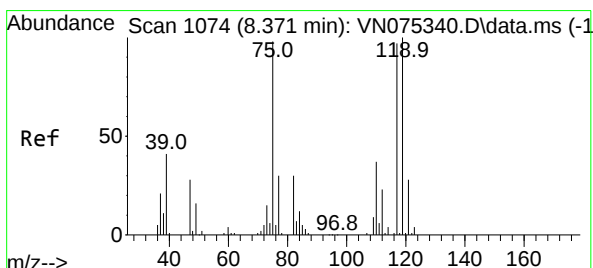
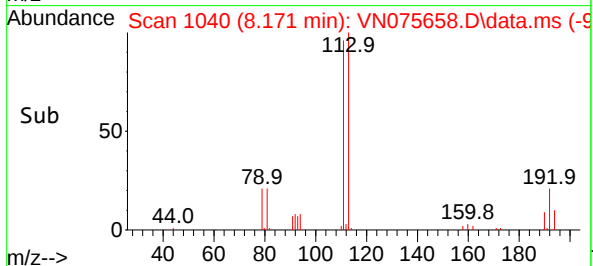
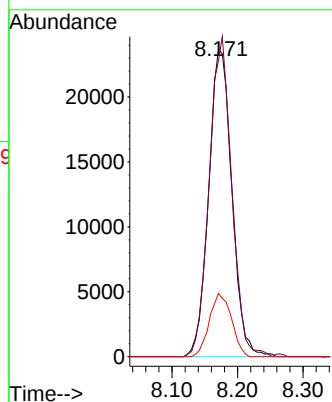
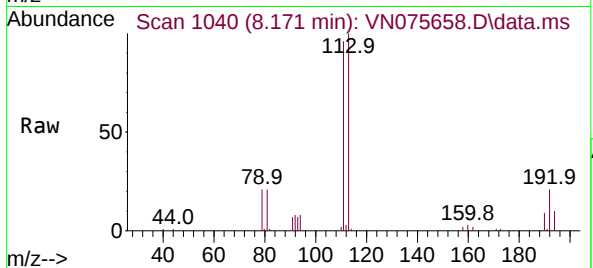
Tgt Ion:113 Resp: 58315

Ion Ratio Lower Upper

113 100

111 100.6 80.5 120.7

192 19.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.135 min

Lab File: VN075658.D

Acq: 08 Dec 2022 19:44

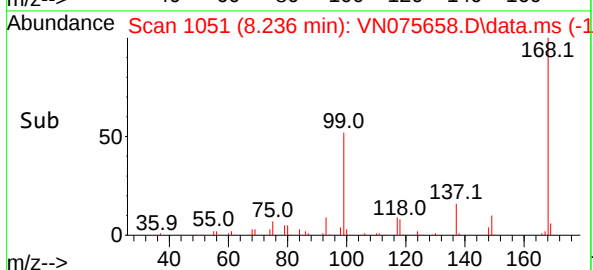
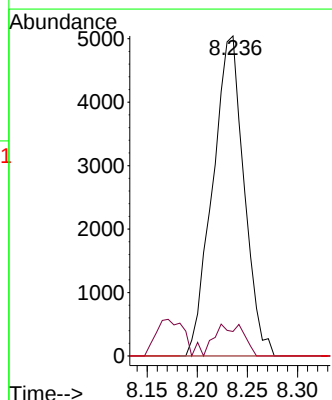
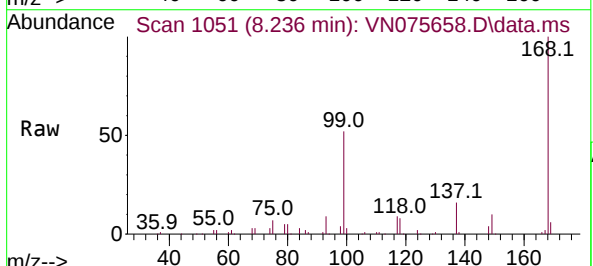
Tgt Ion: 75 Resp: 10982

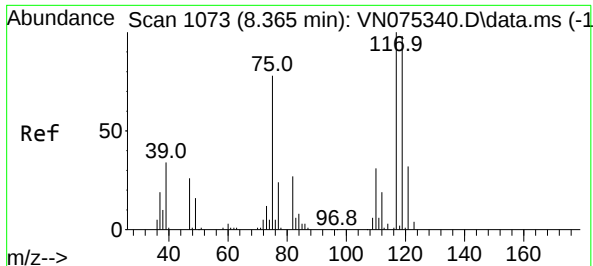
Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

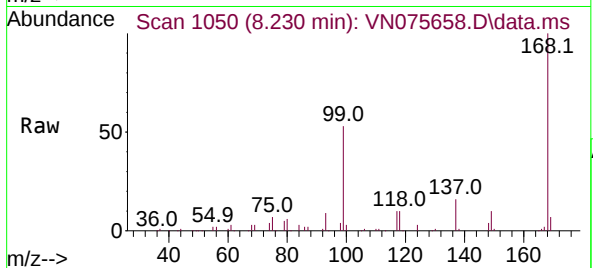
77 0.0 24.6 37.0#



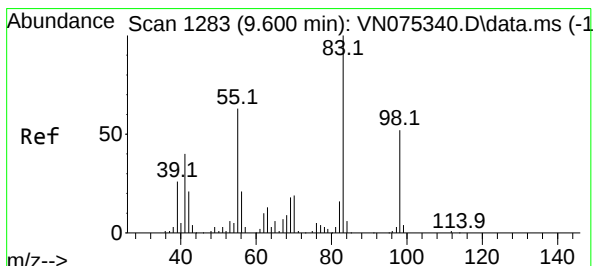
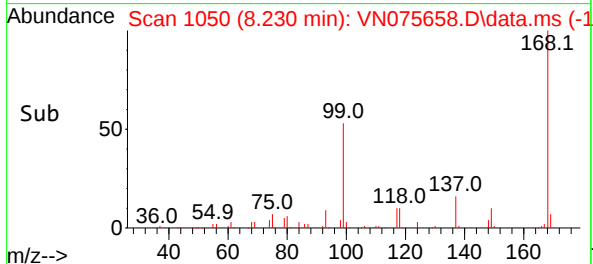
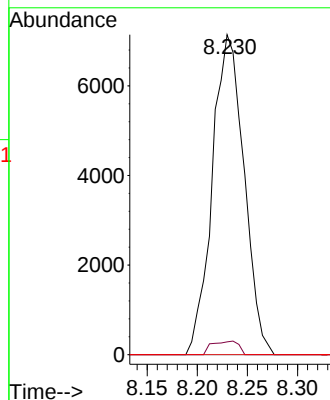


#38  
Carbon Tetrachloride  
Concen: 6.307 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.135 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Instrument :  
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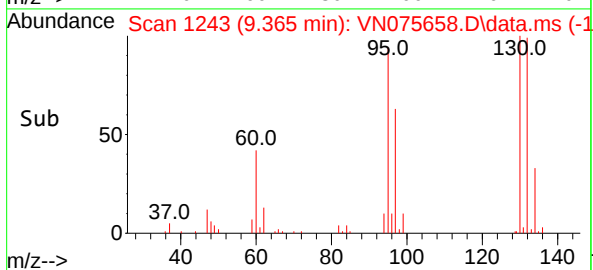
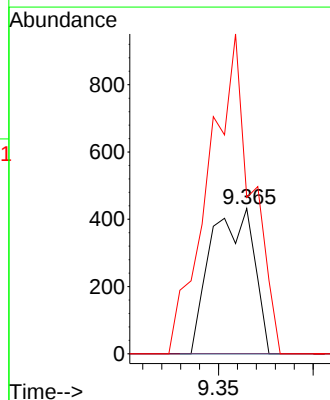
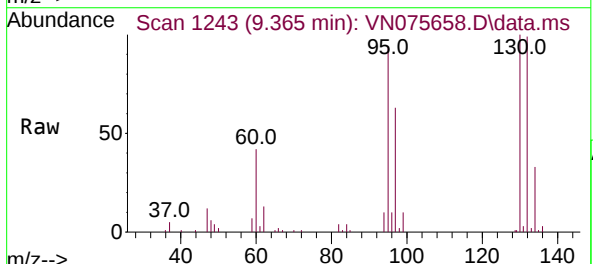


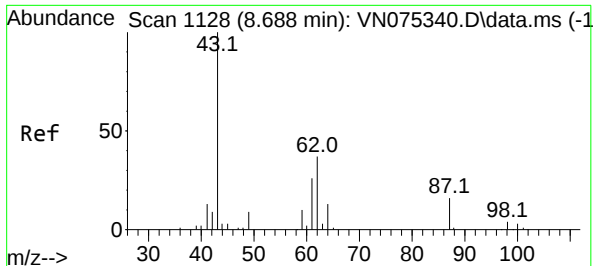
Tgt Ion:117 Resp: 15748  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.7 115.1#  
121 0.0 23.9 35.9#



#39  
Methylcyclohexane  
Concen: 0.243 ug/l  
RT: 9.365 min Scan# 1243  
Delta R.T. -0.235 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion: 83 Resp: 691  
Ion Ratio Lower Upper  
83 100  
55 0.0 53.6 80.4#  
98 107.6 41.1 61.7#

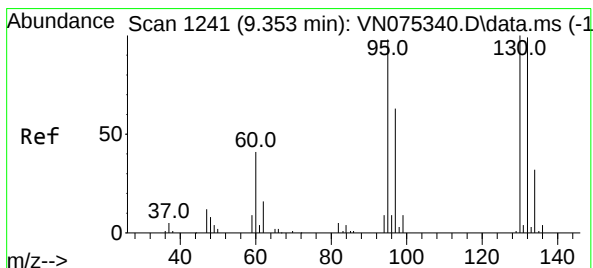
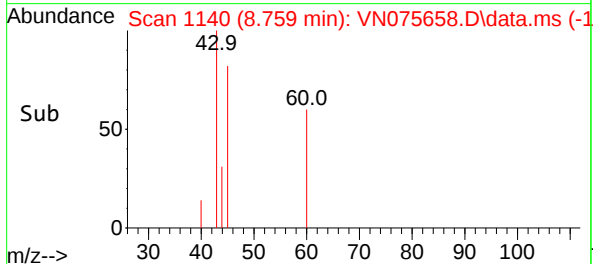
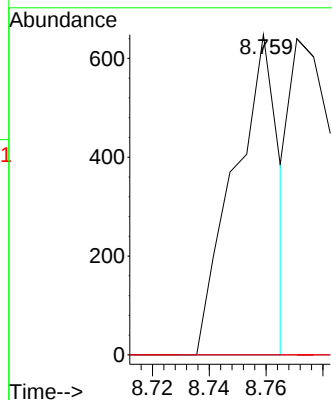
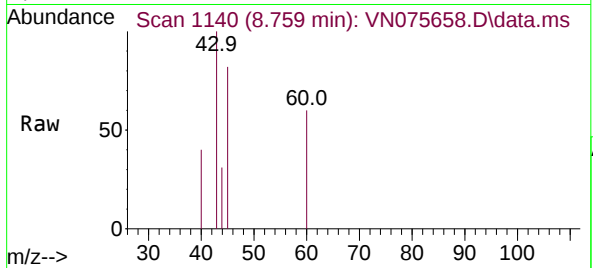




#43  
Isopropyl Acetate  
Concen: 0.216 ug/l  
RT: 8.759 min Scan# 1140  
Delta R.T. 0.071 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

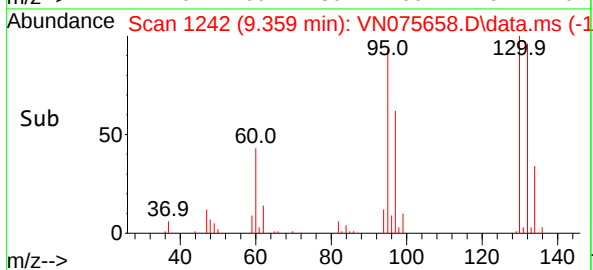
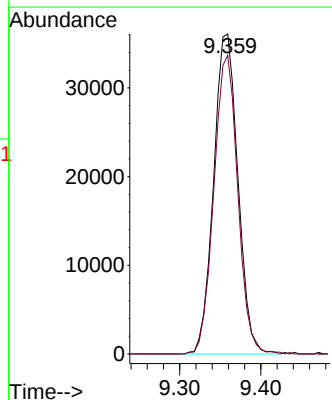
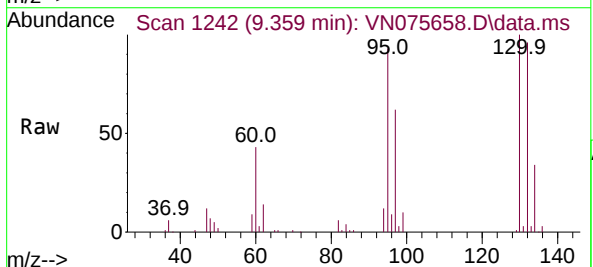
Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

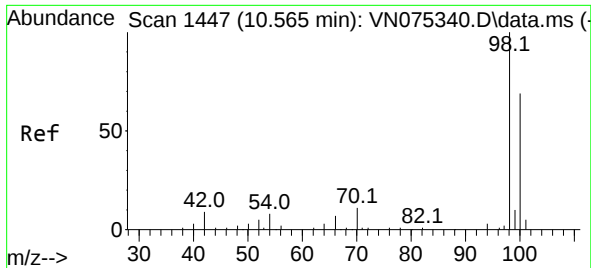
Tgt Ion: 43 Resp: 708  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.4 33.6#  
87 0.0 12.5 18.7#



#44  
Trichloroethene  
Concen: 39.407 ug/l  
RT: 9.359 min Scan# 1242  
Delta R.T. 0.006 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion:130 Resp: 75043  
Ion Ratio Lower Upper  
130 100  
95 93.3 0.0 198.4

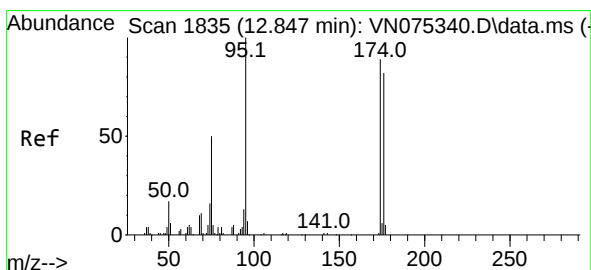
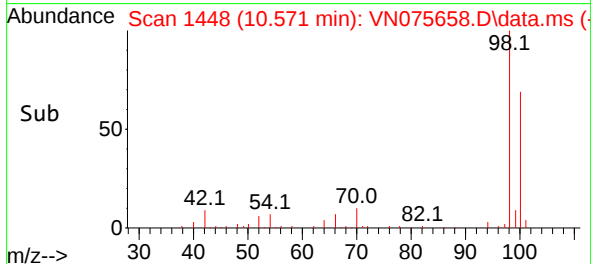
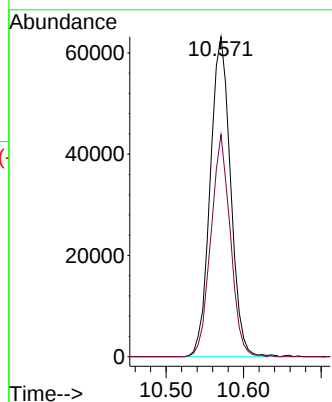
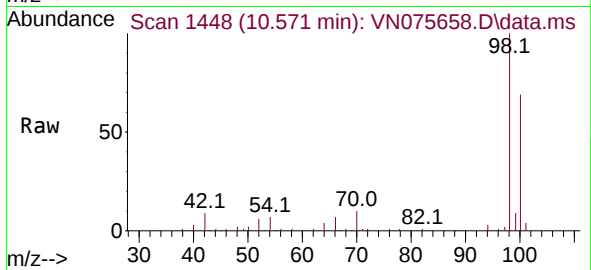




#50  
Toluene-d8  
Concen: 49.072 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

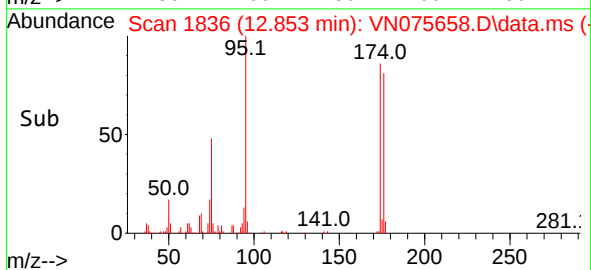
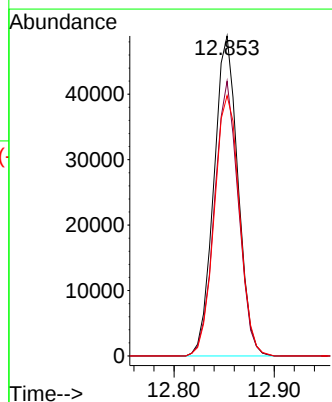
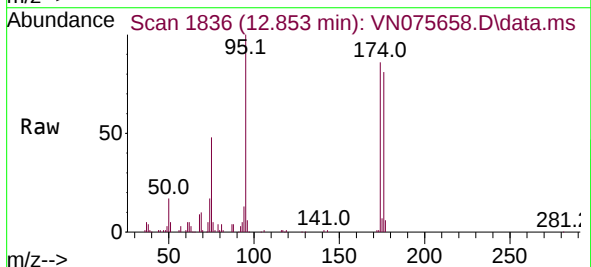
Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

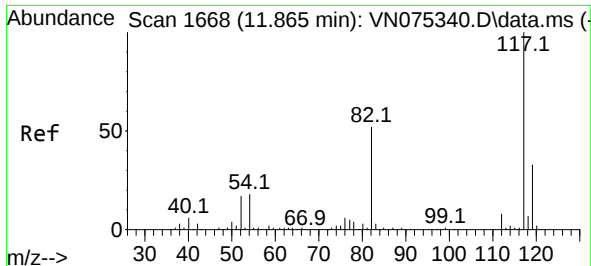
Tgt Ion: 98 Resp: 115205  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 47.139 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion: 95 Resp: 81684  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 147.4  
176 85.0 0.0 142.2

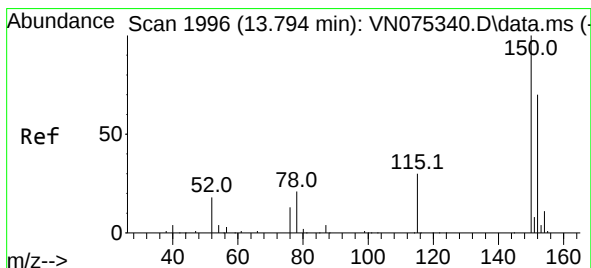
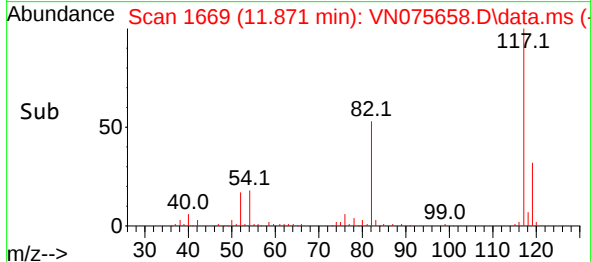
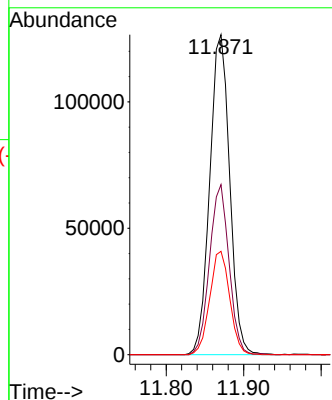
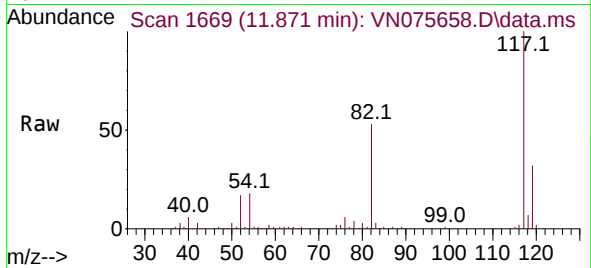




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

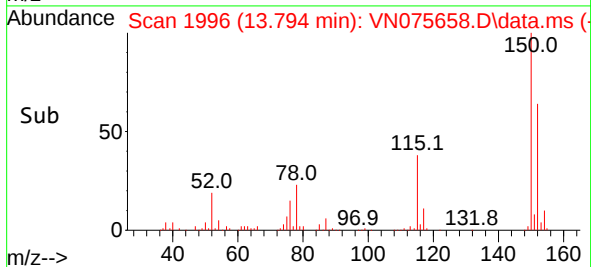
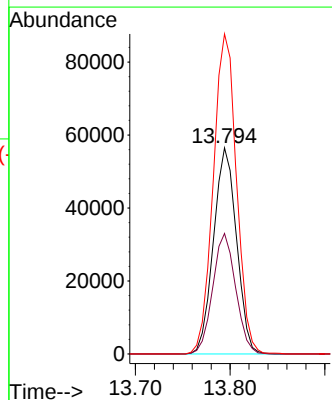
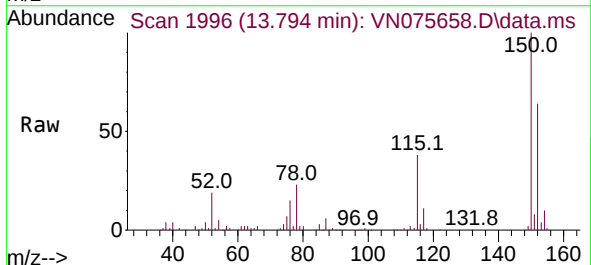
Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

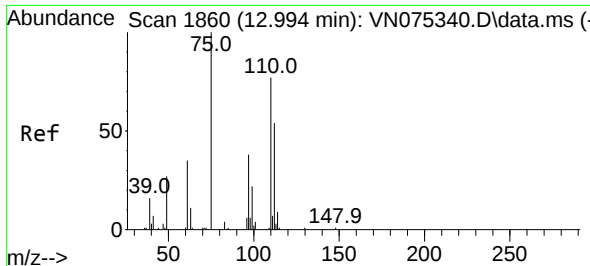
Tgt Ion:117 Resp: 226375  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.1 64.7  
119 32.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion:152 Resp: 95417  
Ion Ratio Lower Upper  
152 100  
115 58.3 30.2 90.6  
150 156.4 0.0 348.4

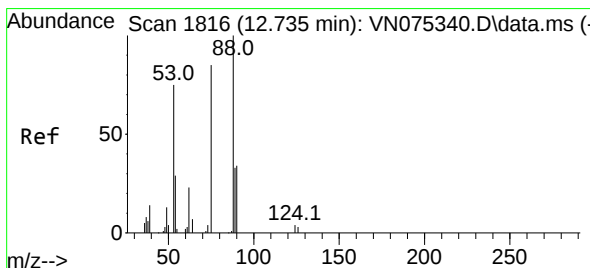
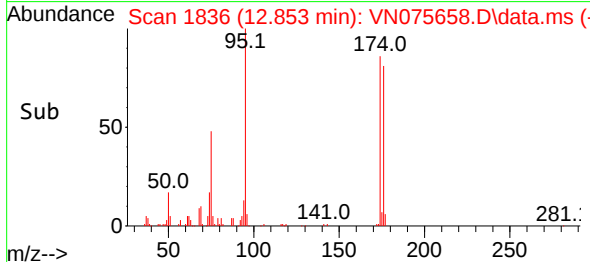
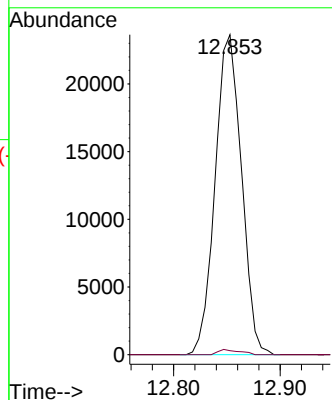
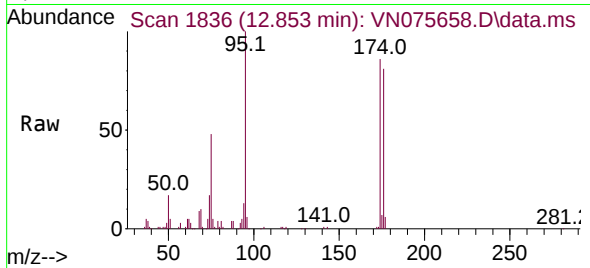




#76  
1,2,3-Trichloropropane  
Concen: 22.507 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
LEA-7IDL

Tgt Ion: 75 Resp: 40604  
Ion Ratio Lower Upper  
75 100  
77 1.3 75.6 226.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.592 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.118 min  
Lab File: VN075658.D  
Acq: 08 Dec 2022 19:44

Tgt Ion: 75 Resp: 40604  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.5 117.7#  
89 0.0 37.7 56.5#

