

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100522\  
 Data File : VN074767.D  
 Acq On : 06 Oct 2022 03:16  
 Operator : JC\MD  
 Sample : PB148097ZHE#04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB148097ZHE#04

Quant Time: Oct 06 07:49:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 05:37:50 2022  
 Response via : Initial Calibration

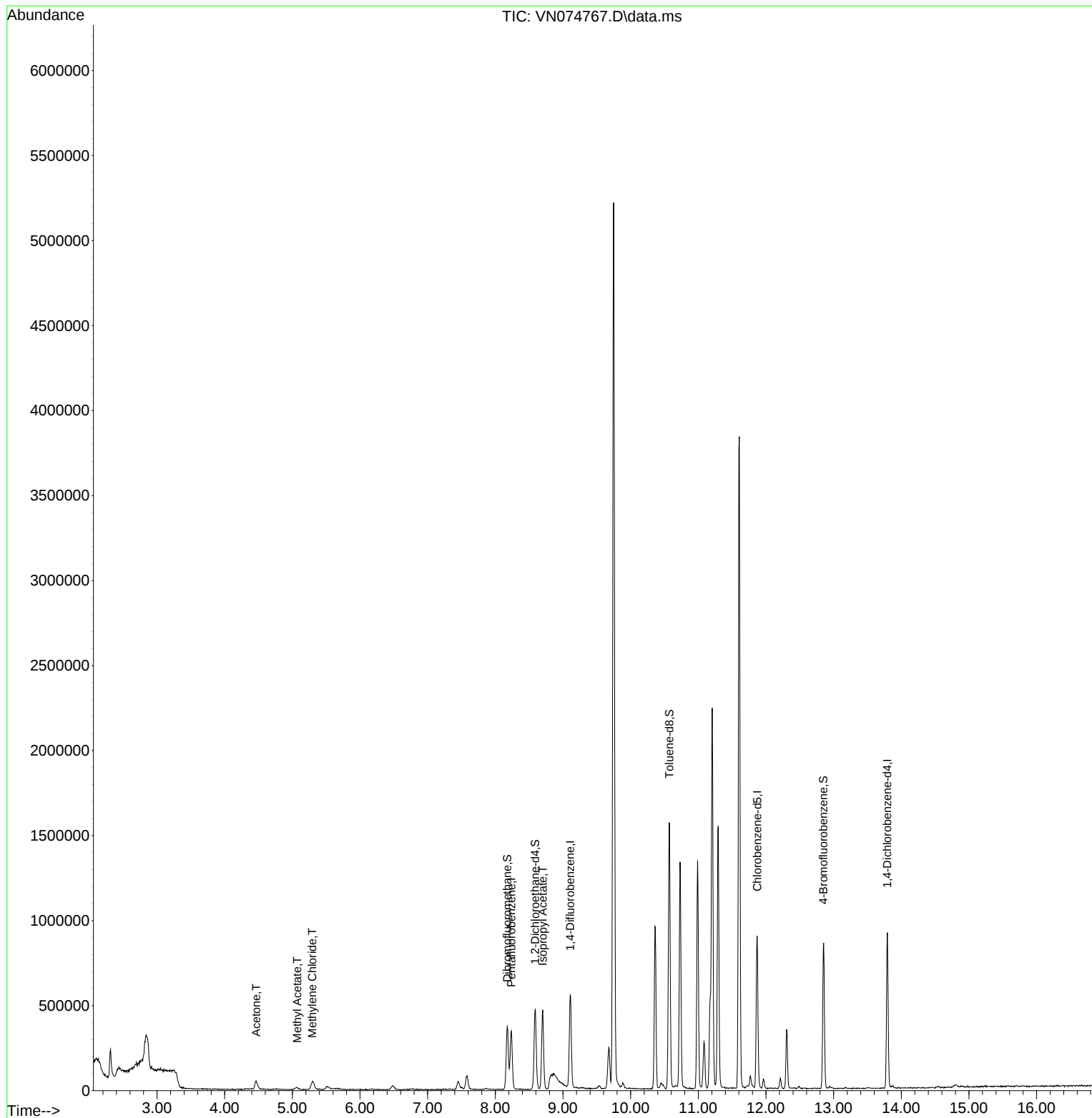
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.235  | 168            | 241199   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114            | 480731   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117            | 494112   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152            | 221426   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65             | 344675   | 60.311     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | = 120.620% |        |          |
| 35) Dibromofluoromethane    | 8.177  | 113            | 260992   | 53.734     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 107.460% |        |          |
| 50) Toluene-d8              | 10.571 | 98             | 1042649  | 50.028     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | = 100.060% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95             | 274307   | 43.297     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 86.600%  |        |          |
| Target Compounds            |        |                |          |            |        |          |
| 16) Acetone                 | 4.465  | 43             | 91496    | 28.251     | ug/l   | 97       |
| 18) Methyl Acetate          | 5.071  | 43             | 24816    | 2.070      | ug/l # | 52       |
| 20) Methylene Chloride      | 5.294  | 84             | 36295    | 5.048      | ug/l   | 96       |
| 43) Isopropyl Acetate       | 8.700  | 43             | 541762   | 27.801     | ug/l # | 92       |
| -----                       |        |                |          |            |        |          |

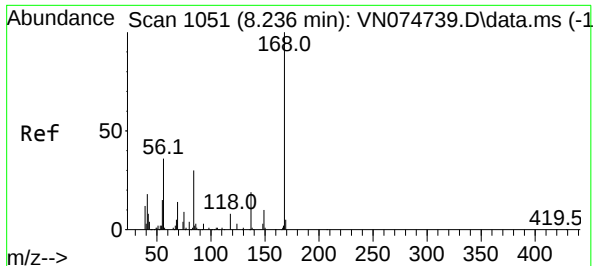
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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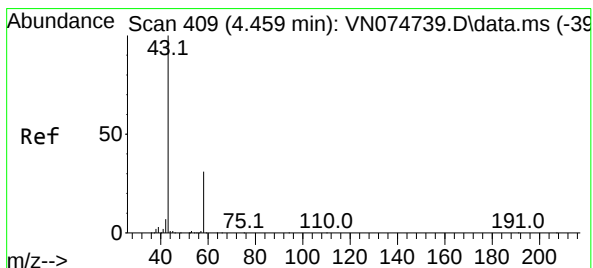
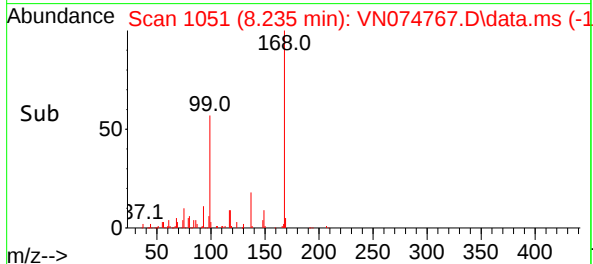
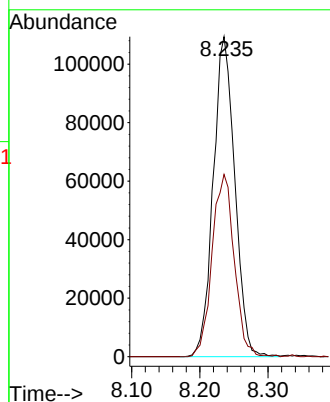
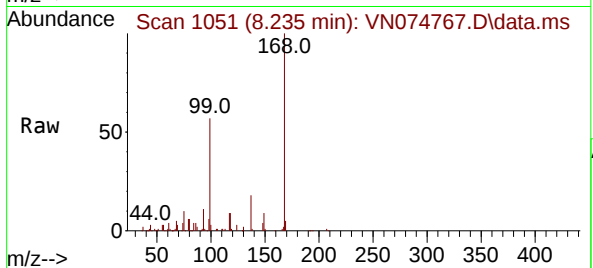




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 10  
Delta R.T. -0.001 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

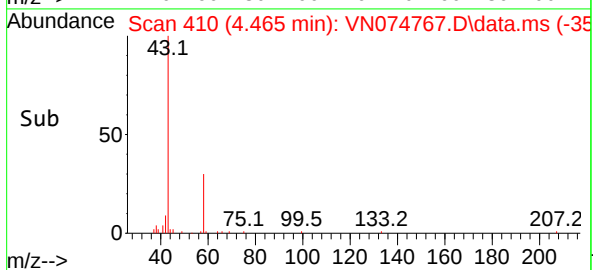
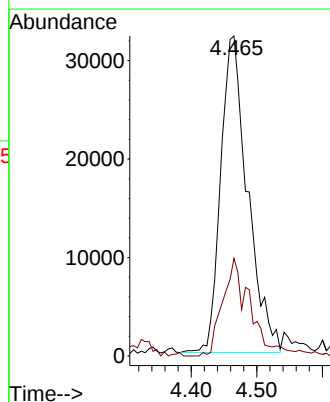
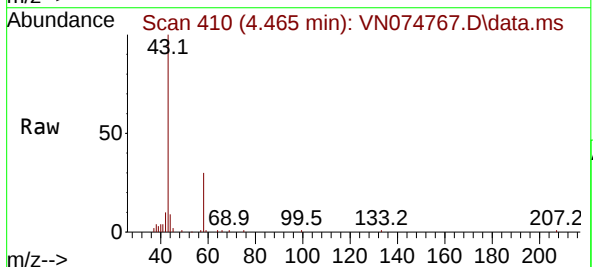
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148097ZHE#04

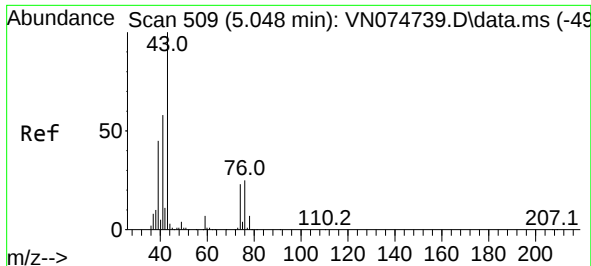
Tgt Ion:168 Resp: 241199  
Ion Ratio Lower Upper  
168 100  
99 56.9 42.8 64.2



#16  
Acetone  
Concen: 28.251 ug/l  
RT: 4.465 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 91496  
Ion Ratio Lower Upper  
43 100  
58 29.7 24.9 37.3

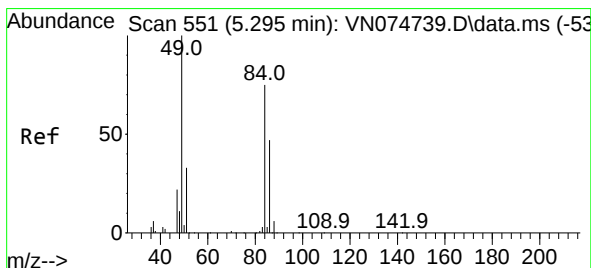
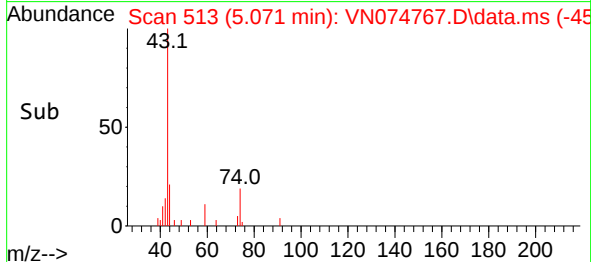
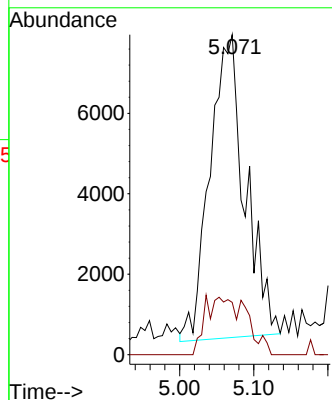
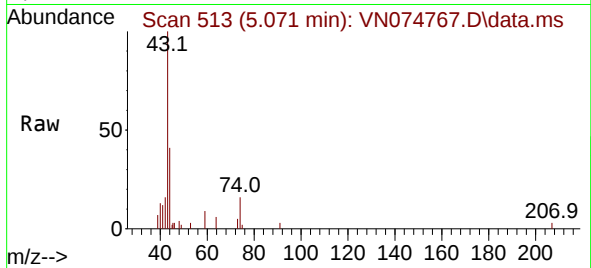




#18  
Methyl Acetate  
Concen: 2.070 ug/l  
RT: 5.071 min Scan# 513  
Delta R.T. 0.023 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

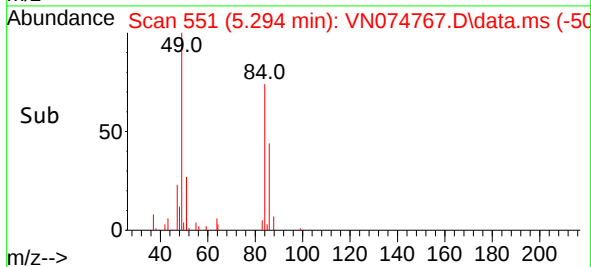
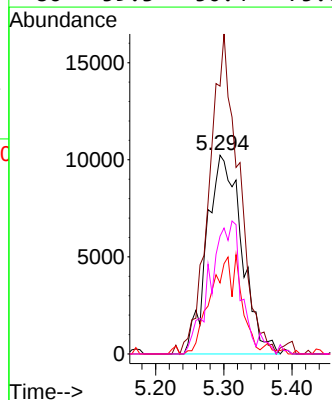
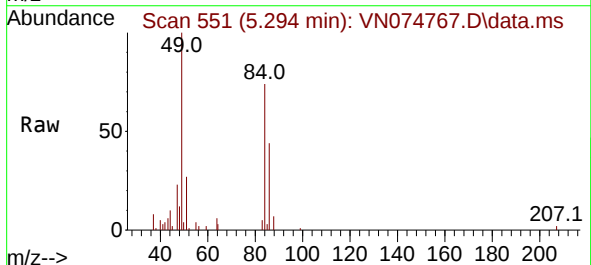
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148097ZHE#04

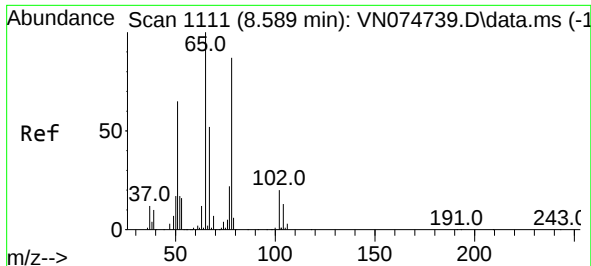
Tgt Ion: 43 Resp: 24816  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.5 27.7#



#20  
Methylene Chloride  
Concen: 5.048 ug/l  
RT: 5.294 min Scan# 551  
Delta R.T. -0.001 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Tgt Ion: 84 Resp: 36295  
Ion Ratio Lower Upper  
84 100  
49 134.8 107.4 161.0  
51 35.7 35.1 52.7  
86 59.3 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 60.311 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074767.D

Acq: 06 Oct 2022 03:16

Instrument :

MSVOA\_N

ClientSampleId :

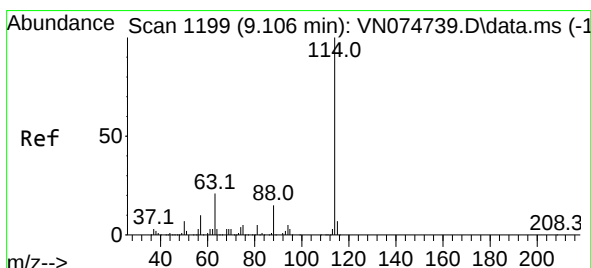
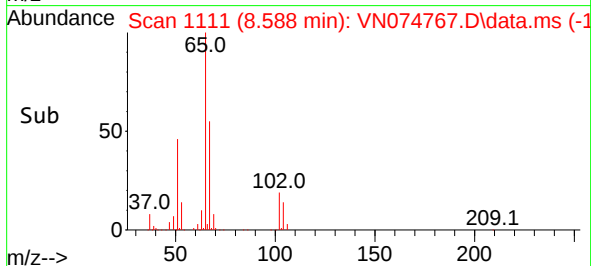
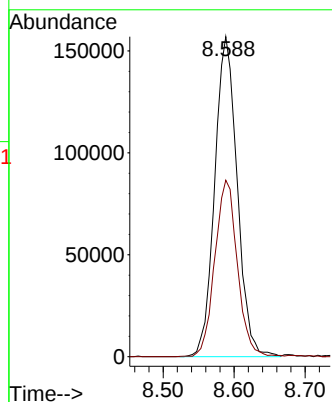
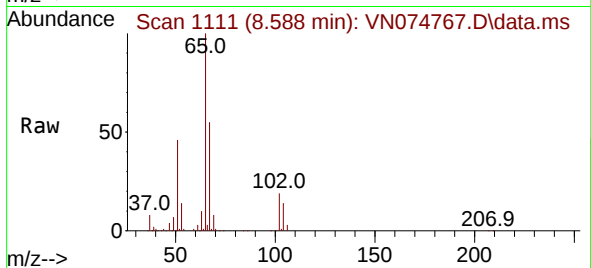
PB148097ZHE#04

Tgt Ion: 65 Resp: 344675

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074767.D

Acq: 06 Oct 2022 03:16

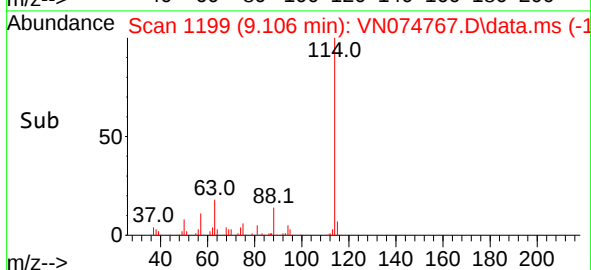
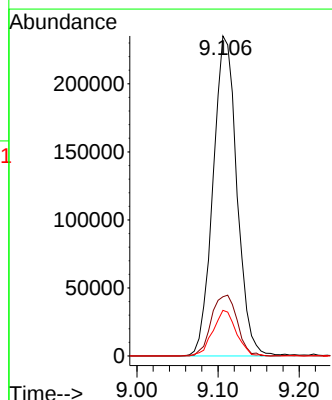
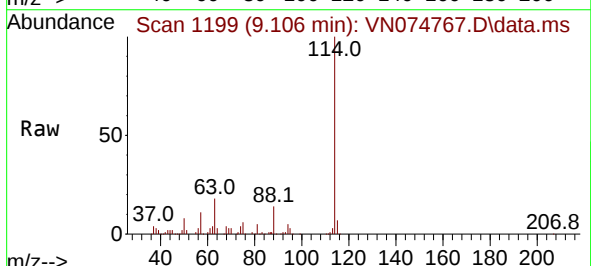
Tgt Ion: 114 Resp: 480731

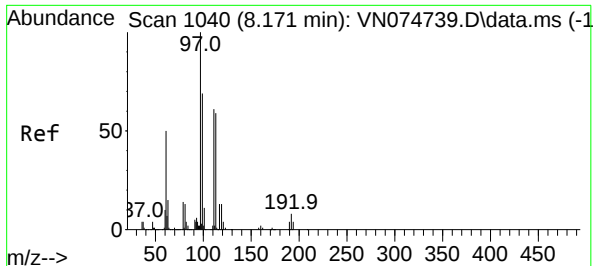
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.2

88 14.3 0.0 30.2

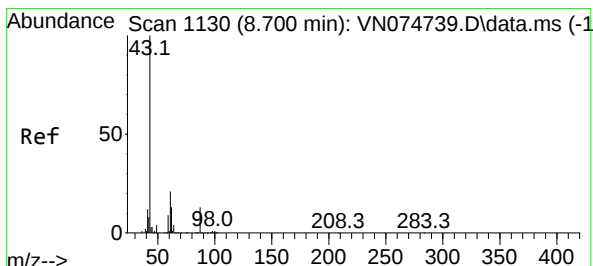
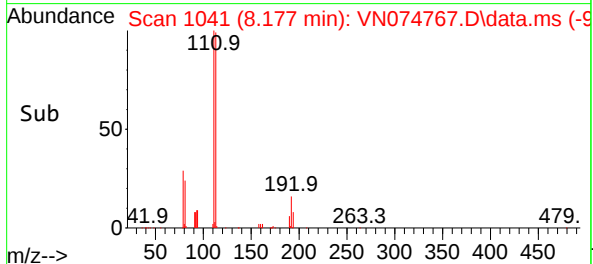
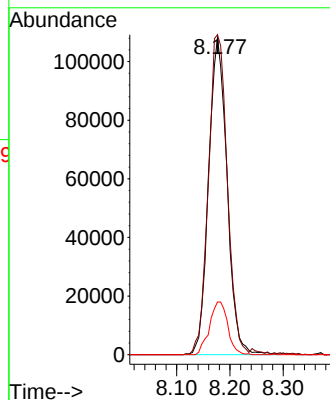
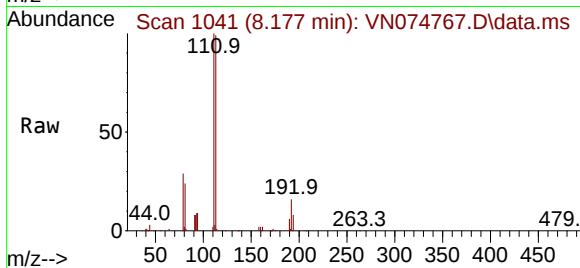




#35  
Dibromofluoromethane  
Concen: 53.734 ug/l  
RT: 8.177 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

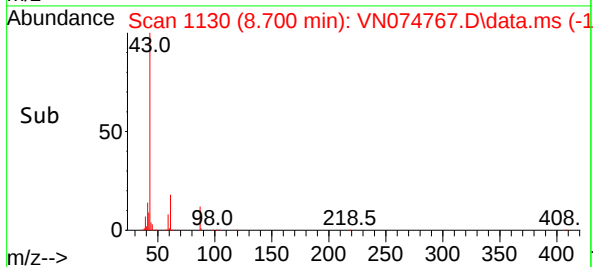
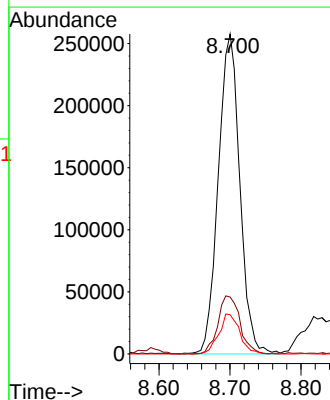
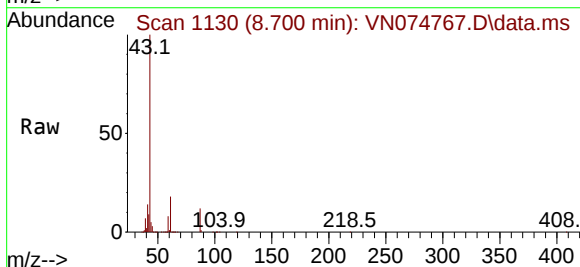
Instrument :  
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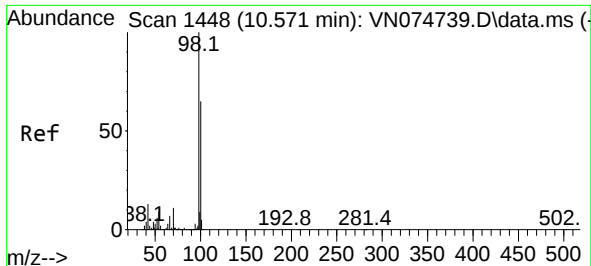
Tgt Ion:113 Resp: 260992  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.0 124.6  
192 16.4 12.6 18.8



#43  
Isopropyl Acetate  
Concen: 27.801 ug/l  
RT: 8.700 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 541762  
Ion Ratio Lower Upper  
43 100  
61 18.7 19.4 29.0#  
87 12.1 10.1 15.1

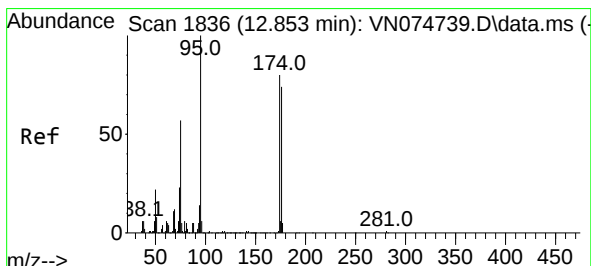
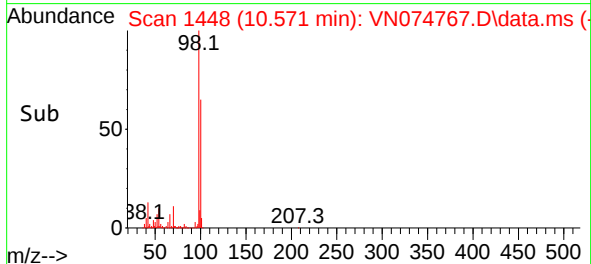
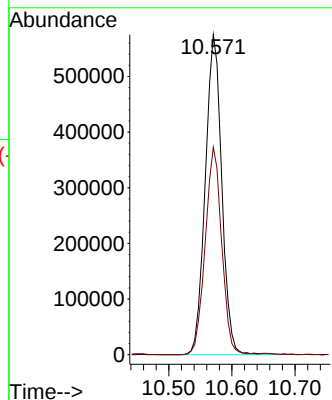
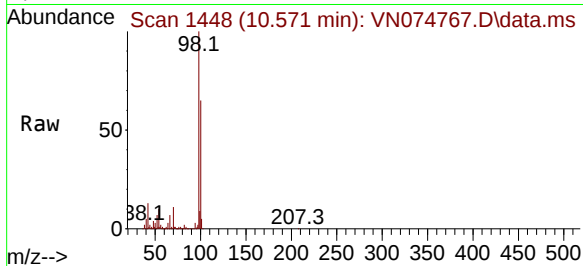




#50  
Toluene-d8  
Concen: 50.028 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

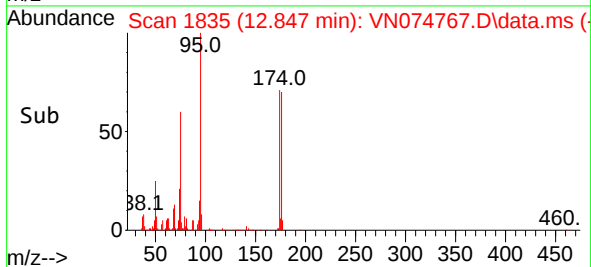
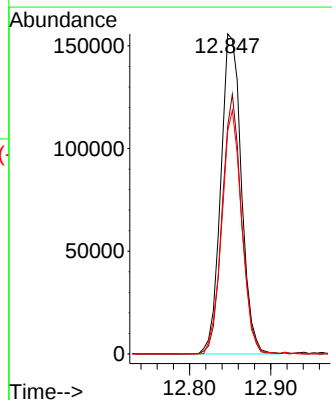
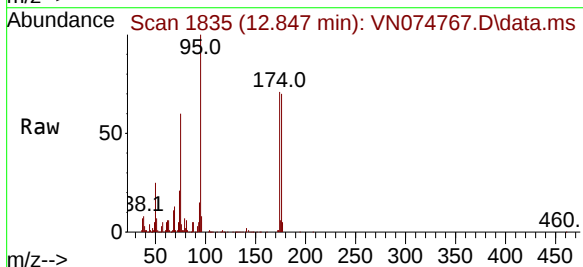
Instrument :  
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PB148097ZHE#04

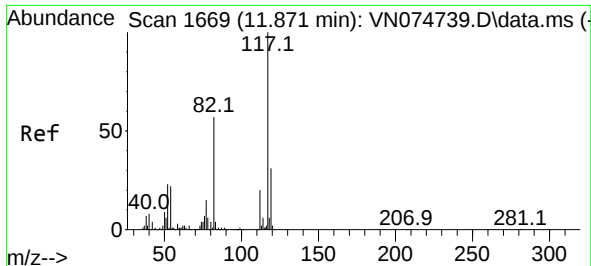
Tgt Ion: 98 Resp: 1042649  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.7 76.1



#62  
4-Bromofluorobenzene  
Concen: 43.297 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.006 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Tgt Ion: 95 Resp: 274307  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 149.4  
176 73.6 0.0 142.0

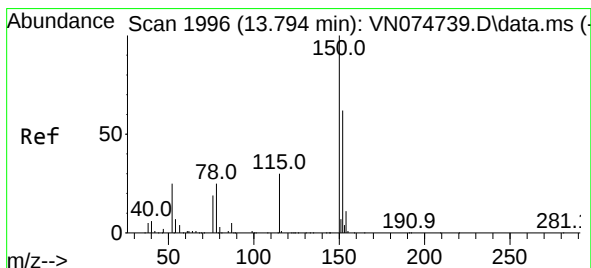
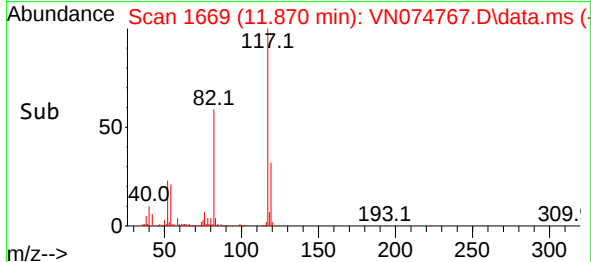
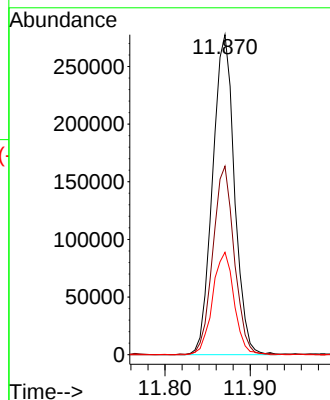
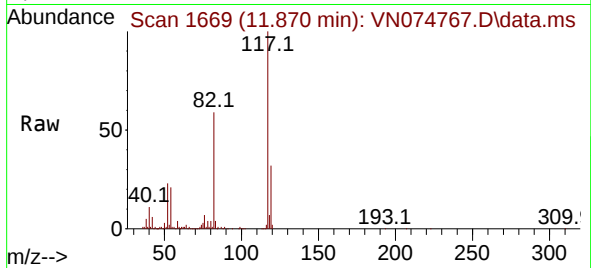




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB148097ZHE#04

Tgt Ion:117 Resp: 494112  
Ion Ratio Lower Upper  
117 100  
82 58.8 45.4 68.2  
119 32.0 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN074767.D  
Acq: 06 Oct 2022 03:16

Tgt Ion:152 Resp: 221426  
Ion Ratio Lower Upper  
152 100  
115 62.8 30.0 90.0  
150 163.1 0.0 356.4

